



AZOL GAS

Service in Motion

2016

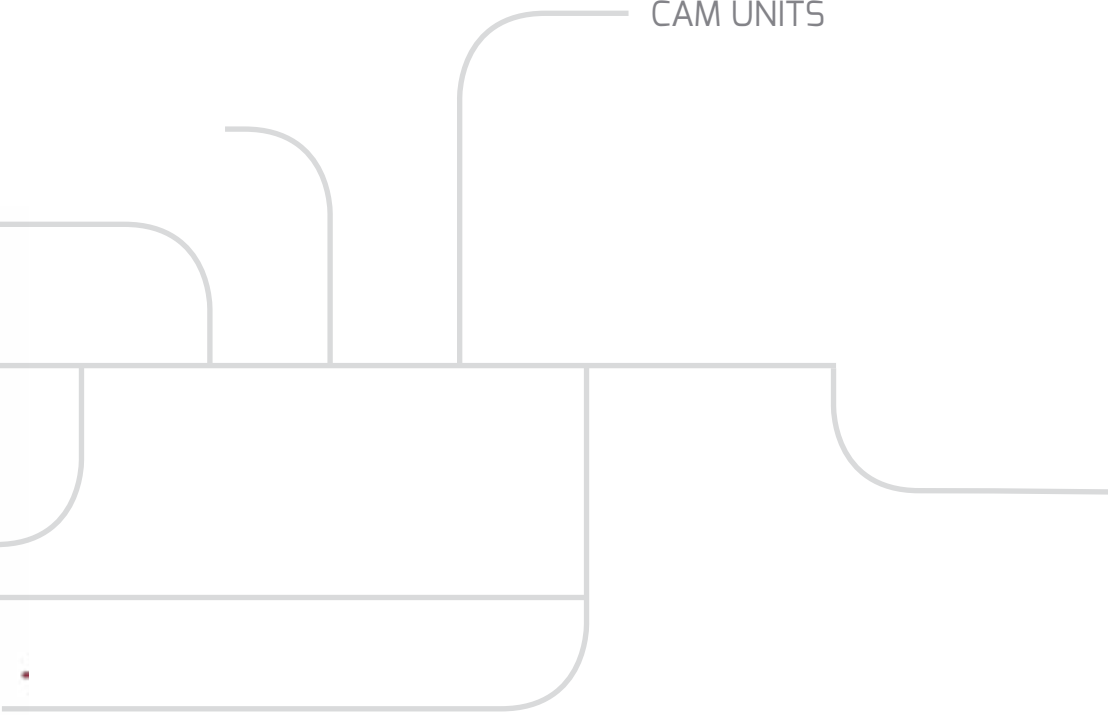
CAM UNITS



Service in Motion 2016



CAM UNITS



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AZOLGAS WORLDWIDE



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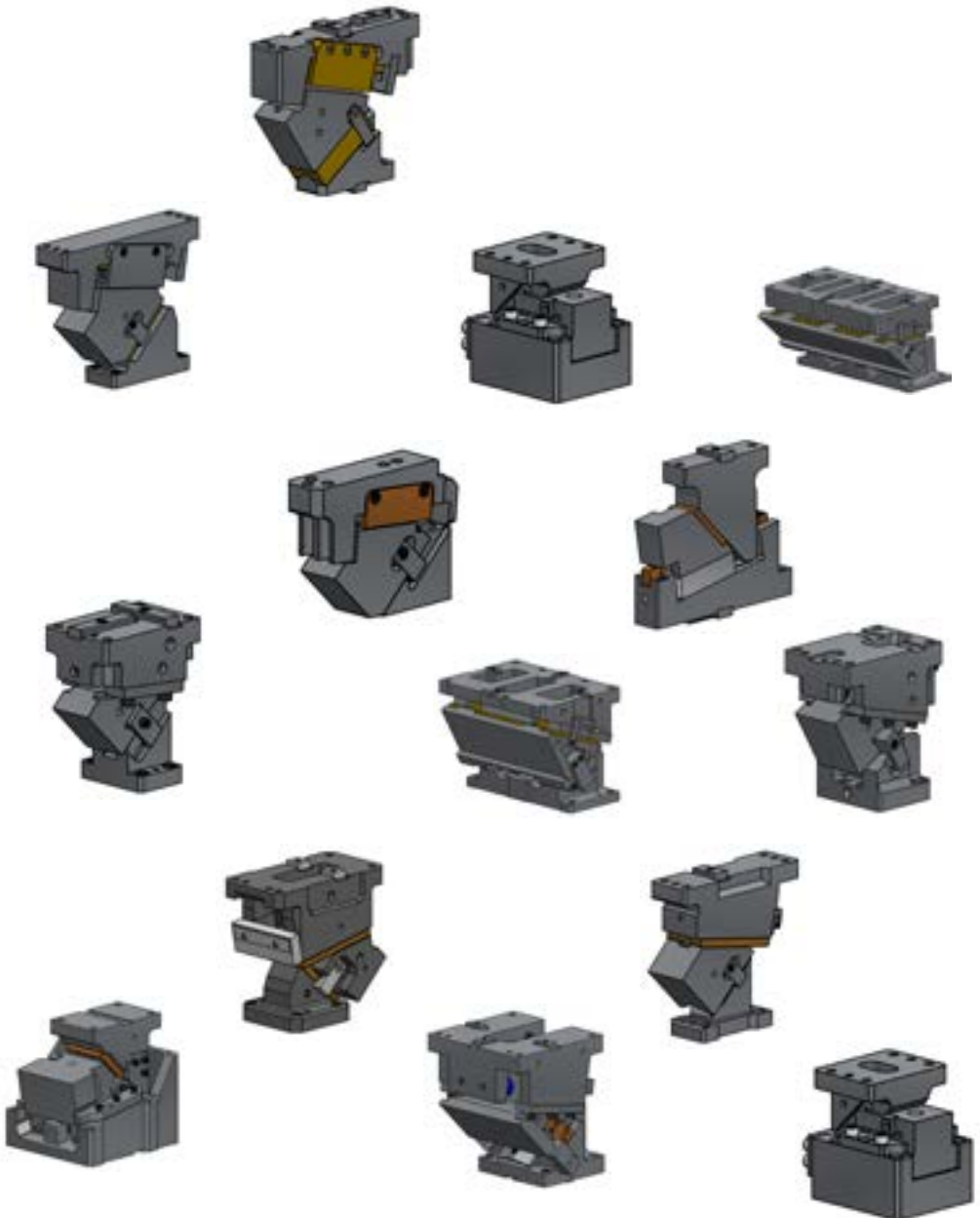
CAM UNITS



CAM UNITS

Summary

SUMMARY



Summary

CAM UNITS





CAM UNITS

Summary

MODEL	WIDTH	0050	0052	0060	0065	0070	0080	0085	0090	0100	0110	0150	0165	0200	0250	0300	0350	0400	0500	0600	0700	0800	0900	1000	I - XXXVI
01	ATFA		0052		0065																				1 - 74
02	ASDR		0052																						75 - 100
03	ACDS		0052																						101 - 130
04	ANCG				0065																				131 - 146
05	ASCB	0050			0065		0080					0150													147 - 282
06	ASFK						0080					0150													215 - 282
07	AUKE				0065	0065				0100				0200	0200										283 - 380
08	ABKL				0065	0065				0100				0200	0200										381 - 478
09	AWBC													0200	0200	0300		0400	0500	0600					479 - 620
10	ASGN	0050			0065		0080					0150		0200	0200	0300									621 - 798
11	ASLT																	0500	0600	0700	0800	0900	1000		799 - 884
12	ANRP					0070	0080						0165	0200		0300		0400							885 - 1026
13	ASVX			0060				0085		0110		0165	0200	0250	0300	0350	0400								1027-1336
14	LSDH		0052						0090																1337-1360
15	LKCM		0052		0065					0100		0150		0200	0250	0300		0400	0500	0600					1361-1416
16	LKCV				0065					0100	0150														1417-1448
17	LKCZ				0065					0100	0150														1449-1480
18	LSPJ	0050					0080					0150		0200		0300									1481-1564
19	LSLD																	0500	0600	0700	0800	0900	1000		1565-1602

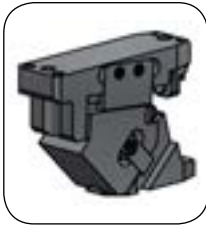
CAM UNITS

Summary

**AZOL
GAS** 

01 - ATFA

P. 1 - 74



ATFA 0052



ATFA 0065

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	14.7 (1.5)	29.4 (3.0)
65	68.7 (7.0)	137.3 (14.0)

DESCRIPTION

- Aerial cam.
- (ATFA 52) Angles from 0° to 80° with increments of 5°.
- (ATFA 65) Angles from 0° to 75° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Compact design.

02 - ASDR

P. 75 - 100



ASDR 0052

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	14.7 (1.5)	29.4 (3.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 50° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Compact design.
- Longer stroke than ATFA 52.

03 - ACDS

P. 101 - 130



ACDS 0052

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	29.4 (3.0)	58.8 (6.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- "V" shaped sliding for auto-centered.
- High return force for extraction.
- Extensible mount length.

04 - ANCG

P. 131 - 146



ANCG 0065

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	14.7 (1.5)	29.4 (3.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 25° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Extensible mount length.

CAM UNITS

Summary

**AZOL
GAS** 

05 - ASCB

P. 147 - 282



ASCB 0050



ASCB 0065



ASCB 0080



ASCB 0150

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
50	19.6 (2.0)	39.2 (4.0)
65	19.6 (2.0)	39.2 (4.0)
80	39.2 (4.0)	78.4 (8.0)
150	88.2 (9.0)	132 (13.5)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Same width for cam and mount.
- Extensible mount length.
- Slider easy disassembly from the rear.

06 - ASFK

P. 215 - 282



ASFK 0080



ASFK 0150

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
80	54.9 (5.6)	109.8 (11.2)
150	123.5 (12.6)	185.2 (18.9)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Same width for cam and mount.
- Higher return force than ASCB.
- Slider front prolongable.
- Slider easy disassembly from the rear.

07 - AUKE

P. 283 - 380



AUKE 0065



AUKE 0100



AUKE 0200

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 - 29.4 (2.0 - 3.0)	39.2 - 58.8 (4.0 - 6.0)
100	44.1 - 49.0 (4.5 - 5.0)	88.2 - 98.0 (9.0 - 10.0)
200	98.1 - 117.7 (10.0 - 12.0)	196.2 - 235.4 (20.0 - 24.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- Rigid flat guides system.
- Slider easy disassembly from the rear.

08 - ABKL

P. 381 - 478



ABKL 0065



ABKL 0100



ABKL 0200

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 (2.0)	39.2 (4.0)
100	44.1 (4.5)	88.2 (9.0)
200	93.1 (9.5)	186.2 (19.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Slider easy disassembly from the rear.

CAM UNITS

Summary

**AZOL
GAS** 

09- AWBC

P. 479 - 620



AWBC 0200 / 0300



AWBC 0400



AWBC 0500



AWBC 0600

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
200	117.6 (12.0)	235.2 (24.0)
300	196.0 (20.0)	392.0 (40.0)
400	245.0 (25.0)	490.0 (50.0)
500	313.6 (32.0)	627.2 (64.0)
600	392.0 (40.0)	784.0 (80.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Slider easy disassembly from the rear.

10 - ASGN

P. 621 - 798



ASGN 0050 / 0065



ASGN 0080



ASGN 0150



ASGN 0200 / 0300

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
50	29.4 (3.0)	58.6 (6.0)
65	29.4 (3.0)	58.6 (6.0)
80	49 (5.0)	98.0 (10.0)
150	147.0 (15.0)	294.0 (30.0)
200	147 (15.0)	294.0 (30.0)
300	294.0 (30.0)	588.0 (60.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 65° with increments of 5°. (0° to 75° for ASGN 50) (0° to 60° for ASGN 65)
- Rigid flat guides system.
- "V" shaped sliding for auto-centered.
- Slider easy disassembly from the rear. (Except ASGN 0050 y 0065)

11 - ASLT

P. 799 - 884



ASLT 0500 / 0600



ASLT 0700 / 0800



ASLT 0900 / 1000

N₂

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
500	137.3 (14.0)
600	137.3 (14.0)
700	470.4 (48.0)
800	470.4 (48.0)
900	627.2 (64.0)
1000	627.2 (64.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Slider easy disassembly from the rear.
- Gas spring equipped unit.

12 - ANRP

P. 885 - 1026



ANRP 0070 / 0080



ANRP 0165 / 0200



ANRP 0300 / 0400

N₂

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
70	98.1 (10.0)
80	166.7 (17.0)
165	294.2 (30.0)
200	353.0 (36.0)
300	451.1 (46.0)
400	451.1 (46.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- Rigid flat guides system.
- "V" shaped sliding for auto-centered.
- Optional gas spring
- According to NAAMS.

CAM UNITS

Summary

**AZOL
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13 - ASVX

P. 1027 - 1336



ASVX 0060



ASVX 0085



ASVX 0110



ASVX 0165



ASVX 0200



ASVX 0250



ASVX 0300

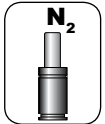


ASVX 0350



ASVX 0400

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
60	75.0 (7.6)
85	100.0 (10.2)
110	150.0 (15.3)
165	171.0 (17.4)
200	218.0 (22.2)
300	364.0 (37.1)
350	405.0 (41.1)
400	450.0 (45.9)



DESCRIPTION

- Aerial cam.
- Angles from 0° to 75° with increments of 5°.
- Rigid flat guides system.
- "V" shaped sliding for auto-centered.
- Gas spring equipped unit.
- According to VDI-BAK.

14 - LSDH

P. 1337 - 1360



LSDH 0052



LSDH 0090

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	19.6 (2.0)	39.2 (4.0)
90	38.2 (3.9)	76.4 (7.8)

DESCRIPTION

- Die mounted cam.
- Angles from 0° to 20° with increments of 5°. (0° to 15° for LSDH 90)
- Extensible mount length (only for LSDH 90).

15 - LKCM

P. 1361 - 1416



MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	14.7 (1.5)	29.4 (3.0)
65	19.6 (2.0)	39.2 (4.0)
100	29.4 (3.0)	58.8 (6.0)
150	58.8 (6.0)	88.2 (9.0)
200	78.4 (8.0)	117.6 (12.0)
250	98.0 (10.0)	147.0 (15.0)
300	117.6 (12.0)	176.4 (18.0)
400	137.2 (14.0)	205.8 (21.0)
500	137.2 (14.0)	205.8 (21.0)
600	137.2 (14.0)	205.8 (21.0)



LKCM 0052
LKCM 0065
LKCM 0100
LKCM 0150



LKCM 0200
LKCM 0250
LKCM 0300
LKCM 0400
LKCM 0500
LKCM 0600

DESCRIPTION

- Die mounted cam.
- 0° Horizontal cam.

CAM UNITS

Summary

**AZOL
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16 - LKCV

P. 1417 - 1448



LKCV 0065
LKCV 0100
LKCV 0150

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 (2.0)	39.2 (4.0)
100	39.2 (4.0)	78.4 (8.0)
150	64.7 (6.6)	98.0 (10.0)

DESCRIPTION

- Die mounted cam.
- Angles from 5° to 20° with increments of 5°.
- 45mm Stroke.

17 - LKCZ

P. 1449 - 1480



LKCZ 0065
LKCZ 0100
LKCZ 0150

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 (2.0)	39.2 (4.0)
100	39.2 (4.0)	78.4 (8.0)
150	64.7 (6.6)	98.0 (10.0)

DESCRIPTION

- Die mounted cam.
- Angles from 5° to 20° with increments of 5°.
- 70mm Stroke.

18 - LSPJ

P. 1481 - 1564

LSPJ 0050
LSPJ 0080
LSPJ 0150LSPJ 0200
LSPJ 0300

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
50	14.7.0 (1.5)
80	35.3 (3.6)
150	117.6 (12.0)
200	147.0 (15.0)
300	294.0 (30.0)

DESCRIPTION

- Die mounted cam.
- Angles from 0° to 30° with increments of 5°.
- Rigid guides system.

19 - LSLD

P. 1565 - 1602

LSLD 0500
LSLD 0600LSLD 0700
LSLD 0800LSLD 0900
LSLD 1000

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
500	313.6
600	(32.0)
700	470.4
800	(48.0)
900	627.2
1000	(64.0)



DESCRIPTION

- Die mounted cam.
- Angles from 0° to 20° with increments of 5°.
- Rigid guides system.
- Gas spring equipped unit.

CAM UNITS



Summary

APPLIED FORCE CALCULATION FOR HORIZONTAL CAMS

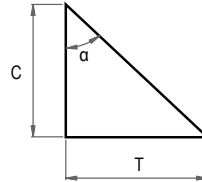
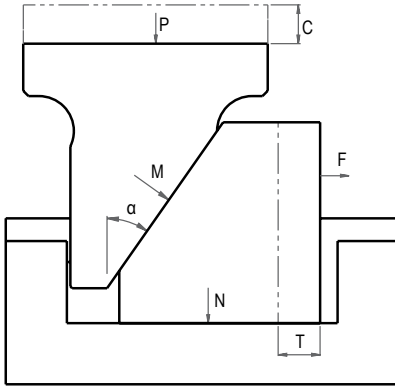
$$P = F \times \tan \alpha$$

$$M = F \times \frac{1}{\cos \alpha} \quad C = \frac{T}{\tan \alpha}$$

$$N = F \times \tan \alpha$$

- α : Driver inclination angle.
- F** : Force Required for Working.
- P** : Press compression force.
- M** : Load applied to Cam Driver surface.
- N** : Load applied to Cam Slider surface.
- T** : Working stroke.
- C** : Press stroke.

$$F = \text{Working force} + \text{Spring Return Force} + \text{Pad Force}$$



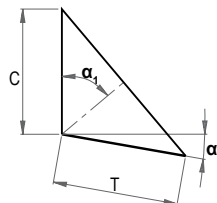
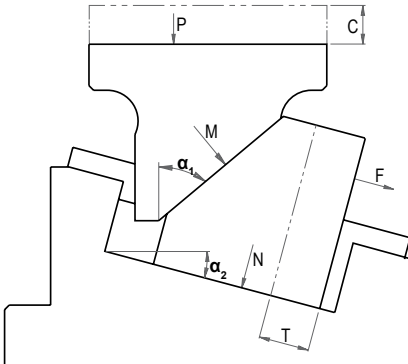
APPLIED FORCE CALCULATION FOR DIE MOUNTED CAMS

$$P = F \times \frac{\sin \alpha_1}{\cos (\alpha_1 - \alpha_2)} \quad N = F \times \tan (\alpha_1 + \alpha_2)$$

$$M = F \times \frac{1}{\cos (\alpha_1 - \alpha_2)} \quad C = T \times \frac{\cos (\alpha_1 - \alpha_2)}{\sin \alpha_1}$$

- α_1 : Driver inclination angle.
- α_2 : Slider useful inclination angle.
- F** : Force Required for Working.
- P** : Press compression force.
- M** : Load applied to Cam Driver surface.
- N** : Load applied to Cam Slider surface.
- T** : Working stroke.
- C** : Press stroke.

$$F = \text{Working force} + \text{Spring Return Force} + \text{Pad Force}$$



APPLIED FORCE CALCULATION FOR AERIAL CAMS

$$P = F \times \frac{\cos \alpha_1}{\sin (\alpha_1 + \alpha_2)}$$

$$N = F \times \frac{1}{\tan (\alpha_1 + \alpha_2)}$$

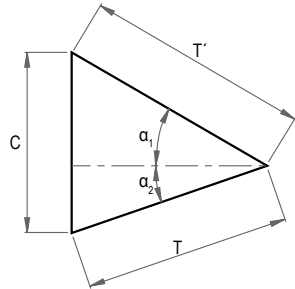
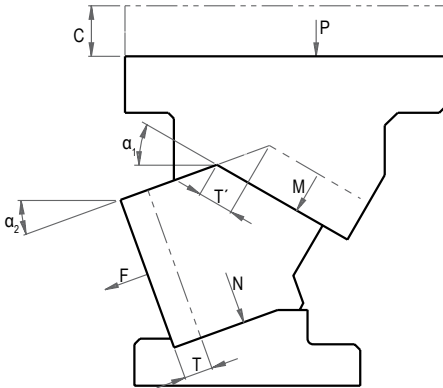
$$T' = T \times \frac{\cos \alpha_2}{\cos \alpha_1}$$

$$M = F \times \frac{1}{\sin (\alpha_1 + \alpha_2)}$$

$$C = T \times \frac{\sin (\alpha_1 + \alpha_2)}{\cos \alpha_1}$$

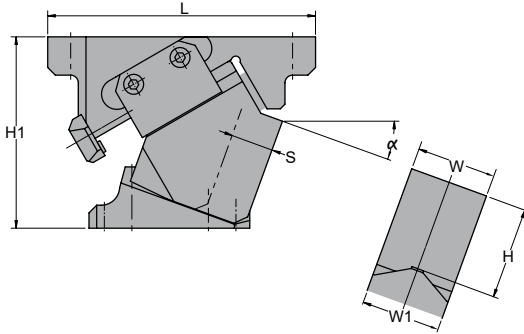
- α_1 : Driver inclination angle.
- α_2 : Slider useful inclination angle.
- F : Force Required for Working.
- P : Press compression force.
- M : Load applied to Cam Driver surface.
- N : Load applied to Cam Slider surface.
- T : Working stroke.
- T' : Spring stroke.
- C : Press stroke.

F = Working force + Spring Return Force + Pad Force



CAM UNITS

Summary



Approximate dimensions and values, check specific catalog sheet measures of each cam.

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)	
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)		
ATFA	52	60	00	19.3	14.7 (1.5)	29.4 (3.0)	52	125	175	980.0 (99.9)	
			05	21.3							
			10	23.3							
			15	25.4							
			20	27.6							
			25	30.0							
			30	32.6							
			35	35.4							
			40	38.6							
			45	42.3							
			50	46.7							
			55	52.3							
			60	60.0							
			65	47.3							
	70	58.5									
			70	75	46.3				150	205	981.0 (100.0)
				80	57.5						981.2 (100.1)
		65	90	00	22.5	68.7 (7.0)	137.3 (14.0)	65	230	275	5988.5 (610.7)
	05			22.6							
	10			27.2							
	15			27.8							
	20			32.3							
	25			33.4							
	30			38.0							
	35			40.2							
	40			45.0							
	45			48.7							
	50			54.5							
55	61.0										
60	70.0										
65	68.5										
70	67.2										
75	69.5										
									290		
									300		
									335	5936.3(605.3)	
										5862.7(597.8)	
										5257.8(536.1)	
ASDR	52	60	00	30.2	14.7 (1.5)	29.4 (3.0)	52	135	185	901.6 (91.9)	
			05	31.9							
			10	35.0							

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
ASDR	52	60	15	38.2	14.7 (1.5)	29.4 (3.0)	52	135	185	901.6 (91.9)
			20	41.5						
			25	45.0						
			30	48.8						
			35	53.1						
			40	57.9						
			45	54.9						
			50	60.7					192	
ACDS	52	75	00	30.2	29.4 (3.0)	58.8 (6.0)	52	160	196.5	3110.8 (317.2)
			05	33.4					199.4	
			10	36.6					206.5	
			15	39.9					210.5	
			20	43.3					212.1	
			25	47.0					213.7	
			30	51.0					215.4	
			35	55.4					216.0	
			40	60.4					212.3	
			45	66.2					213.6	
			50	73.1					205.0	
			55	64.5					215.0	
60	54.0	200.0								
ANCG	65	80	00	30.2	----	14.7 (1.5)	65	240	335.0	2115.0 (215.7)
			05	31.9					338.7	
			10	35.0					341.7	
			15	31.4					339.1	
			20	32.3					335.7	
			25	35.0					331.6	
ASCB	50	75	00	30.2	19.6 (2.0)	39.2 (4.0)	50	200	257	981.0 (100.0)
			05	30.5					250	
			10	30.3						
			15	30.5						
			20	30.4						
			25	30.0						
			30	32.6						
			35	35.4						
			40	38.6						
			45	42.3						
	50	46.7								
	55	52.1								
	60	59.1								
	65	58.3								
	70	57.6								
	75			278	981.2(100.1)					
		65	65	00	15.0	19.6 (2.0)	39.2 (4.0)	65	180	190
05	15.1			185						
10	15.2			180						
15	15.5			176.6						
20	16.5			173.0						
25	17.1									

CAM UNITS



Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)	
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)		
ASCB	65	65	30	18.5	19.6 (2.0)	39.2 (4.0)	65	180	177.8	1220.1 (124.5)	
			35	19.6					173.3		
			40	21.5					170.8		
			45	23.3					170		
			50	26.5					175		
			55	29.7					180		
			60	35.0					190		
			65	41.4					190		
	70	51.1	210	195							
									202		
		80	86	00	32.1	39.2 (4.0)	78.4 (8.0)	80	270	270	1623.6 (165.7)
				05	38.4					273.0	
				10	38.9					280.0	
				15	39.7					286.0	
				20	46.1					285.9	
				25	47.8					289.8	
				30	54.3					282.6	
				35	57.4					284.3	
				40	64.3					274.8	
				45	69.6					274.2	
				50	77.8					270	
				55	87.2					270	
		60	98.5	275	1461.2(149.1)						
		65	81.6	280	1623.2(165.6)						
		70	86.4	280	1623.2(165.6)						
		150	85	00	32.1	88.2 (9.0)	132.3 (13.5)	150	270	280	4607.5 (470.2)
				05	32.3					288.3	
				10	38.9					285.6	
				15	39.7					291.8	
				20	46.1					287	
				25	47.8					291.1	
				30	54.3					284	
				35	57.4					285.7	
				40	64.3					285.7	
				45	69.6					285.7	
	50			77.8	280						
	55			87.2	280						
	60	98.5	285								
	65	93.2	285								
	70	86.4	285								
ASFK	80	86	00	32.1	54.9 (5.6)	109.8 (11.2)	80	270	270	3250.0 (331.4)	
			05	38.4					273.0		
			10	38.9					280.0		
			15	39.7					286.0		
			20	46.1					285.9		
			25	47.8					289.8		
			30	54.3					282.6		
			35	57.4					284.3		
40	64.3	274.8									



CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)		
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)			
ASFK	80	86	45	69.6	54.9 (5.6)	109.8 (11.2)	80	270	274.2	3250.0 (331.4)		
			50	77.8					270			
			55	87.2								
			60	98.5								
			65	81.6								
				70	86.4			280				
		150	85	00	32.1	123.5 (12.6)	185.2 (18.9)	150	270	280	9569.4 (975.8)	
	05			32.3	288.3							
	10			38.9	285.6							
	15			39.7	291.8							
	20			46.1	287							
	25			47.8	291.1							
	30			54.3	284							
	35			57.4	285.7							
	40			64.3	280							
	45			69.6								
	50			77.8								
	55			87.2								
										60		98.5
				65	93.2							
			70	86.4								
AUKE	65	80	00	26.9	19.6 (2.0)	39.2 (4.0)	115	210	210	1069.2(109.0)		
			90	05					27.0		217.1	
			80	10					31.6		220.8	
			90	15					32.2		227.8	
			80	20					33.8		222.1	
			90	25					35.0		228.8	
		80	30	33.5	217.7							
		90	35	35.4	223.8							
		80	40	42.9	212.8							
			90	45	46.5	23.5 (2.4)	47.0 (4.8)	115	210		218.2	
				50	54.5							
			100	55	43.6	29.4 (3.0)	58.8 (6.0)	160	280		214	1039.2 (106.0)
				60	50.0						212.8	
		65		47.3	218.2							
		100	110	70	58.5					890.7 (90.8)		
				100	00	28.3	44.1 (4.5)	88.2 (9.0)	160	280	2819.7(287.5)	
				140	05	28.4					273	
			100	10	33.3	287.4						
			140	15	33.9	274						
			100	20	30.9	287.3						
			140	25	32.0	273						
			120	30	33.5	285.4						
			140	35	35.4	273						
		120	40	39.0	280.5							
		140	45	42.3	49.0 (5.0)	98.0 (10.0)	160	280	272	2807.0 (286.2)		
	50		46.7									
	55		52.3									

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)			
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)				
AUKE	100	140	60	60.0	49.0 (5.0)	98.0 (10.0)	160	280	272	2807.0(286.2)			
			65	47.3						2741.5 (279.6)			
			70	58.5									
	200	100	00	28.3	98.1 (10.0)	196.2 (20.0)	260	280	273	5639.4(575.1)			
			130	05						28.4			
		100	10	33.3					274	6140.4 (621.1)			
			130	15						33.9	287.4		
		100	20	30.9					287.3	5965.0 (608.3)			
			130	25						32.0			
		120	30	33.5					273	285.4	273	280.5	5614.1 (572.5)
			140	35									
		140	40	39.0					117.7 (12.0)	235.4 (24.0)	272	5483.0 (559.1)	
				45									42.3
				50									46.7
				55									52.3
				60									60.0
				65									47.3
70	58.5												
ABKL	65	80	00	26.9	19.6 (2.0)	39.2 (4.0)	115	210	209.5	1069.2(109.0)			
			05	27.0					217.1				
			10	31.6					220.8				
			15	32.2					227.8				
			20	33.8					222.1				
			25	35.0					228.8				
			30	33.5					217.7				
			35	35.4					223.8				
			40	42.9					212.8				
			90	45					46.5		218.2		
				50					54.5				
			100	55					43.6		214	1039.2 (106.0)	
									60			50.0	
	65	47.3											
	110	70	58.5	890.7 (90.8)									
	100	100	00	28.3	44.1 (4.5)	88.2 (9.0)	160	280	273	2817.0(287.1)			
			120	05						28.4			
			100	10						33.3	287.4	3074.4 (313.3)	
			120	15						33.9			
120			20	30.9						274	2978.4 (304.0)		
		25		32.0					287.3				
		30		33.5							273		
		35		35.4					285.4		273		
		40		39.0									
		45		42.3					280.5				
140		50	46.7	272					2803.2 (286.1)				
			55						52.3				
			60						60.0				
			150						65	70.9			
			140						70	58.5	2740.0 (279.5)		

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)		
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)			
ABKL	200		100	00	28.3	93.1 (9.5)	186.2 (19.0)	260	280		5634.0(574.9)	
			120	05	28.4						273	5639.4 (575.1)
			100	10	33.3						287.4	
			120	15	33.9							274
			100	20	30.9						287.4	
			120	25	32.0						273	5614.1 (572.5)
				30	33.5						285.4	
			140	35	35.4							
				40	39.0						280.5	
			140	45	42.3						272	
				50	46.7							
				55	52.3							
				60	60.0							
				65	70.9							
				70	58.5							
			AWBC	200	180						00	38.6
05	42.6	340										
10	46.7	340.8										
15	50.9											
20	55.3	344.7										
25	60.0	347.9										
30	65.1	355.1										
35	70.8	351.2										
40	77.1	356.2										
45	84.5	354.8										
50	93.3	367.1										
55	104.6	385										
60	120.0	196.0 (20.0)		392.0 (40.0)	300	350		9806.4 (999.4)				
300	180								00	38.6	340	
									05	42.6	340.8	
									10	46.7		
									15	50.9	344.7	
									20	55.3	347.9	
									25	60.0	355.1	
									30	65.1	351.2	
									35	70.8	356.2	
									40	77.1	354.8	
									45	84.5	367.1	
									50	93.3	385	
		400	180	00	38.6	245.0 (25.0)	490.0 (50.0)	400	350		9806.4 (999.4)	
05	42.6			340								
10	46.7			340.8								
15	50.9											
20	55.3			344.7								
25	60.0			347.9								
30	65.1	351.2										

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)	
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)		
AWBC	400	180	35	70.8	245.0 (25.0)	490.0 (50.0)	400	350	355.1	9806.4 (999.4)	
			40	77.1					351.2		
			45	84.5					356.2		
			50	93.3					354.8		
			55	104.6					367.1		
			60	120.0					385		
	500	180	00	38.6	313.6 (32.0)	627.2 (64.0)	500	350	340	14709.6 (1499.0)	
			05	42.6					340.8		
			10	46.7					344.7		
			15	50.9					347.9		
			20	55.3					355.1		
			25	60.0					351.2		
			30	65.1					356.2		
			35	70.8					354.8		
			40	77.1					367.1		
			45	84.5					385		
			50	93.3							
			55	104.6							
			60	120.0							
			600	180					00		38.6
	05	42.6			340.8						
	10	46.7			344.7						
	15	50.9			347.9						
	20	55.3			355.1						
	25	60.0			351.2						
	30	65.1			356.2						
	35	70.8			354.8						
	40	77.1			367.1						
	45	84.5			385						
	50	93.3									
	55	104.6									
	60	120.0									
	ASGN	50			65	00	15.0	29.4 (3.0)	58.8 (6.0)	50	180
			05	15.6		220					
			10								
			15	17.0							
20			18.4								
25			18.0								
30			17.4								
35			18.9								
55		55	40	20.6				210	1104.6 (112.6)		
			45	22.5							
			50	23.3							
			55	26.1				225			
			60	31.5				235			
			65	36.6				245			
			70	39.5				250			
			75	52.2				260		999.4 (101.9)	

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
ASGN	65	56	00	15.0	29.4 (3.0)	58.8 (6.0)	65	175	190	834.9 (85.1)
			05	15.6					185	
			10						182.5	
			15	17.0					175	828.8 (84.3)
			20	18.4					172.4	
			30	19.5					171.8	
			40	23.1					809.6 (82.6)	
			50	24.9						170
			60	32.0						185
	80	90	00	30.2	49.0 (5.0)	98.0 (10.0)	80	270	305	1842.4(187.6)
			05	30.5					295	
			10	31.1					280	1872.0 (190.8)
			15	33.9					277.6	
			20	32.3					273.4	
			25	35.0					1914.0 (194.9)	
			30	34.7						270
			35	37.7						270
			40	39.9						
			45	43.7						
			50	46.7					290	
			55	53.8					300	
			60	61.1					147.0 (15.0)	294.0 (30.0)
	65	70.9								
	00	28.6								
	05	32.2								
	10	35.9								
	15	39.6								
	20	43.5	326.3							
	25	47.7	329							
	30	52.3	326							
	35	57.3	340							
	40	63.0	360							
	45	69.6	375							
	50	77.4	395							
	55	87.1	415							
	60	99.6	430							
	65	116.5	445							
	200	120	00	28.6	147.0 (15.0)	294.0 (30.0)	270	355	325	7022.4 (715.9)
			05	32.2						
			10	35.9						
15			39.6	326.4						
20			43.5							
25			47.7							
30			52.3	329.1						
35			57.3	326						
40			63.0	340						
45			69.6	360						
50			77.4	375						
55			87.1	395						
60			99.6	415						
65	116.5	430								

CAM UNITS



Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
ASGN	200	120	55	87.1	147.0 (15.0)	294.0 (30.0)	270	355	415	7022.4 (715.9)
			60	99.6					430	
			65	116.5					445	
	300	160	00	28.6	294.0 (30.0)	588.0 (60.0)	340	355	325	14044.8 (1431.8)
			05	32.2					326.4	
			10	35.9						
			15	39.6					329.1	
			20	43.5						
			25	47.7					326	
			30	52.3						
			35	57.3					340	
			40	63.0						
			45	69.6					360	
			50	77.4						
			55	87.1					375	
			60	99.6						
			65	116.5					415	
		445								

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
ASLT	500	10	00	38.6	313.6 (32.0)	500	385	370	18682.0 (1906.3)
			05	42.6				385	
			10	46.7					
			15	50.9				410	
			20	55.3					
			25	60.0				438.8	
			30	65.1					
			35	70.8					
			40	77.1					
			45	84.5					
			50	93.3					
			55	104.6					
	60	120.0							
	600	180	00	38.6	313.6 (32.0)	600	385	370	18682.0 (1906.3)
			05	42.6				385	
			10	46.7					
			15	50.9				410	
			20	55.3					
			25	60.0				438.8	
			30	65.1					
			35	70.8					
			40	77.1					
			45	84.5					
			50	93.3					
55			104.6						
60	120.0								
700	180	00	38.6	470.4 (48.0)	700	385	370	28023.0 (2859.5)	
		05	42.6						

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax(mm)	
ASLT	700	180	10	38.6	470.4 (48.0)	700	385	370	28023.0 (2859.5)
			15	46.7					
			20	50.9					
			25	55.3					
			30	60.0					
			35	65.1					
			40	70.8					
			45	77.1					
			50	84.5					
			55	93.3					
	60	104.6							
	800	180	00	120.0	470.4 (48.0)	800	385	370	28023.0 (2859.5)
			05	42.6					
			10	46.7					
			15	50.9					
			20	55.3					
			25	60.0					
			30	65.1					
			35	70.8					
			40	77.1					
			45	84.5					
	50	93.3							
	55	104.6							
	60	120.0							
	900	180	00	38.6	627.2 (64.0)	900	385	370	37364.0 (3812.7)
			05	42.6					
			10	46.7					
			15	50.9					
			20	55.3					
			25	60.0					
			30	65.1					
			35	70.8					
			40	77.1					
			45	84.5					
	50	93.3							
	55	104.6							
60	120.0								
1000	180	00	38.6	627.2 (64.0)	1000	385	370	37364.0 (3812.7)	
		05	42.6						
		10	46.7						
		15	50.9						
		20	55.3						
		25	60.0						
		30	65.1						
		35	70.8						
		40	77.1						
		45	84.5						
50	93.3								
55	104.6								
60	120.0								

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (Kgf)	
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)		
ANRP	70	75	00	19.3	98.1 (10.0)	70	225	252	676.2 (69.0)	
			05	21.3				242		
			10	23.3				240		
			15	25.4						
			20	27.6						
			25	30.0						
			30	32.6						
			35	35.4						
			40	38.6						
			45	42.3						
			50	46.7						
			55	43.6						263
			60	50.0				275		578.2 (59.0)
	80	75	00	32.1	166.7 (17.0)	80	275	305	1223.6 (124.8)	
			05	35.5				295		
			10	38.9				280		
			15	42.4				280.5		
			20	46.1				276.2		
			25	50.0				271.5		
			30	54.3				270		
			35	59.0						
			40	64.3						
			45	70.4						
			50	77.8						
			55	78.5						1108.6(113.0)
			60	80.0						993.6(101.3)
	165	120	00	32.1	294.2 (30.0)	165	300		340	2694.0 (274.7)
			05	35.5						
			10	38.9						
			15	42.4						
			20	46.1						
			25	50.0						
			30	54.3						
			35	59.0						
			40	64.3						
			45	70.4						
		50	77.8							
		125	55	87.2				350		
			60	100.0				365		
								355		
				372						
				385						
200			120	00				32.1	353.0 (36.0)	
	05			35.5						
	10	38.9								
	15	42.4								
	20	46.1								
	25	50.0								
	30	54.3								
	35	59.0								
40	64.3	350								

CAM UNITS



Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
ASVX	110	145	00	32.1	150.0 (15.3)	110	275	360	5479.9 (559.1)
			05	35.5					
			10	38.9					
			15	42.4					
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
			40	64.3					
		45	70.4						
		140	50	77.8				345	
			55	87.2					
			60	100.0					
			65	94.6					
	70		81.9						
	165	115	75	108.2	171.0 (17.4)	165	300	355	5501.2(561.3)
			365	5193.0 (529.9)					
			375						
			360	10766.2 (1098.5)					
			367						
			375	9293.6 (948.3)					
			385						
			395	8734.9(891.3)					
			10191.3(1039.9)						
			367						
			375						
			385						
	395								
	200	115	00	32.1	218.0 (22.2)	200	300	360	10766.2 (1098.5)
			05	35.5					
			10	38.9					
			15	42.4					
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
40			64.3						
45			70.4						
50			77.8						
55			52.3						
60			60.0						
65			71.0						
70			58.5						
75			77.3						



CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
ASVX	250	155	00	32.1	284.0 (28.9)	250	300	360	21532.4 (2195.6)
			05	35.5					
			10	38.9					
			15	42.4					
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
			40	64.3					
			45	70.4					
			50	77.8					
			55	82.3					
			60	90.0					
			65	98.7					
			70	108.5					
	75	120.0							
	300	155	00	38.6	364.0 (37.1)	300	375	395	31587.3 (3222.9)
			05	42.6				390	
			10	46.7				394.2	
			15	50.9				395.9	
			20	55.3				397.1	
			25	60.0				404.8	
			30	65.1				408.3	
			35	70.8				404.6	
			40	77.1				400.5	
			45	84.5				400	
			50	93.3				410	
			55	104.6				420	
			60	120.0				438	
			65	141.6				455	
			70	168.8				475	
	75	202.5	495						
	350	155	00	38.6	405.0 (41.3)	350	375	395	27263.8 (2780.1)
			05	42.6				409.7	
			10	46.7				414.6	
			15	50.9				408.6	
			20	55.3				423	
			25	60.0				421.6	
			30	65.1				418.5	
			35	70.8				415.9	
			40	77.1				410.8	
			45	84.5				410	
			50	93.3				420	
			55	104.6				430	
			60	120.0				445	
65			141.6	450					
70			168.8	460					
75	202.5	465							

CAM UNITS

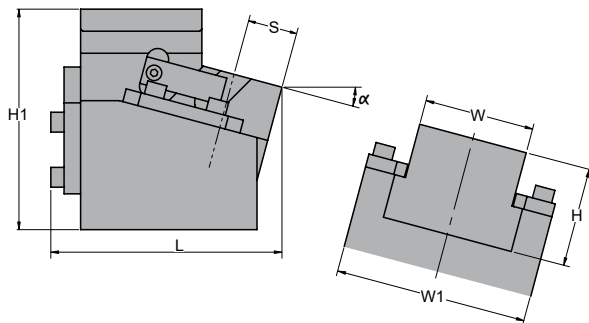


Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (Kgf)	
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)		
ASVX	400	155	00	38.6	450.0 (45.9)	400	375	395	31587.3 (3222.9)	
			05	42.6				390		
			10	46.7				394.2		
			15	50.9				395.9		
			20	55.3				397.1		
			25	60.0				404.8		
			30	65.1				408.3		
			35	70.8				404.6		
			40	77.1				400.5		
			45	84.5				400		
			50	93.3				410		
			55	104.6				423		
			60	120.0				440		
			65	94.6				458		29606.1(3021.0)
			70	73.1				475		27599.7 (2816.1)
			75	96.6				495		

CAM UNITS

Summary



Approximate dimensions and values, check specific catalog sheet measures of each cam.

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
LSDH	52	75	00	55	19.6 (2.0)	39.2 (4.0)	52	215	235	606.7 (62.1)
								255	310	
								255	310	
								255	310	
								255	310	
	90	82	00	55	38.2 (3.9)	76.4 (7.8)	90	220	236	1213.4 (124.2)
								251.5	261.8	
								225	260.9	
LKCM	52	65	00	25	14.7 (1.5)	29.4 (3.0)	98	140	140	595.3(60.7)
				40				155	605.8(61.4)	
				60				200	614.7(62.8)	
	65	70		40	19.6 (2.0)	39.2 (4.0)	130	160	167	752.6(76.8)
				60				212	763.6(77.4)	
				40				218	1130.9(115.2)	
	100	100		60	29.4 (3.0)	58.8 (6.0)	175	200	238	1146.1(116.8)
				80				277	1302.7(132.5)	
				40				225	1841.3(188.2)	
	150	100		60	58.8 (6.0)	88.2 (9.0)	260	220	245	1867.3(189.8)
				40				236	2761.9(282.2)	
				60				256	2801.0(284.7)	
	200	110		40	78.4 (8.0)	117.6 (12.0)	310	240	236	2761.9(282.2)
				60				256	2801.0(284.7)	
				40				246	3610.1(368.6)	
	250	130		60	98.0 (10.0)	147.0 (15.0)	360	270	266	3659.4(372.3)
				40				246	3610.1(368.6)	
				60				266	3659.4(372.3)	
	300	130		40	117.6 (12.0)	176.4 (18.0)	410	270	246	3610.1(368.6)
				60				266	3659.4(372.3)	
60			525	250				356	9332.2 (952.3)	
400	150	60	137.2 (14.0)	205.8 (21.0)	625	250	361			
500	150	60	137.2 (14.0)	205.8 (21.0)	725	250	361			
LKCV	65	70	05	45	19.6 (2.0)	39.2 (4.0)	130	160	175.6	741.0 (75.5)
			10						180	
			15						183.2	
			20						185.2	
			05						199.3	
	100	90	10	45	39.2 (4.0)	78.4 (8.0)	175	200	205.2	1111.6 (113.3)
			15						209.7	
			20						212.9	

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
LKCV	150	100	05	45	64.7 (6.6)	98.0 (10.0)	260	220	229.1	1810.1 (184.1)
			10						235.6	
			15						240.6	
			20						244.1	
LKCZ	65	70	05	70	19.6 (2.0)	39.2 (4.0)	130	170	220.4	974.4 (99.2)
			10						224.3	
			15						226.7	
			20						227.5	
	100	90	05	70	39.2 (4.0)	78.4 (8.0)	175	200	234.1	1137.4 (116.6)
			10						239.6	
			15						243.5	
			20						245.8	
	150	100	05	70	64.7 (6.6)	98.0 (10.0)	260	220	254	1841.3 (188.2)
			10					260.2		
			15					264.8		
			20					267.6		

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
LSPJ	50	68	00	60	14.7 (1.5)	50	240	255	591.5 (60.2)
			05					290	
			10					290	
			15					298	
			20					308.3	
			25					308.1	
			30					312.4	
			80					88	
	05	312.6							
	10	321.6							
	15	329.8							
	20	332.4							
	30	332.4							
	150	120	00	60	117.6 (12.0)	290	300	365	3746.8 (381.5)
			05				378.5		
			10				385.1		
			15				394.6		
			20				397.3		
			25				397.3		
			30				400.4		
	200	120	00	60	147.0 (15.0)	320	300	365	3746.8 (381.5)
			05				378.5		
			10				385.1		
			15				394.6		
20			397.3						
30			400.4						

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)	
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)		
LSPJ	300	120	00	60	294.0 (30.0)	410	335	420	7493.6 (763.0)	
			05					431.9		
			10					442.6		
			15					449.7		
			20					454.2		
			25					461.2		
			30					465.5		
LSLD	500	180	00	60	313.6 (32.0)	500	385	370	19600.0 (1998.6)	
			05					372.5		
			10					385		
			15					400.2		
			20					414		
	600	180	180	00	60	313.6 (32.0)	600	385	370	19600.0 (1998.6)
				05					372.5	
				10					385	
				15					400.2	
				20					414	
	700	180	180	00	60	470.4 (48.0)	700	385	370	19600.0 (1998.6)
				05					372.5	
				10					385	
				15					400.2	
				20					414	
	800	180	180	00	60	470.4 (48.0)	800	385	370	19600.0 (1998.6)
				05					372.5	
				10					385	
				15					400.2	
				20					414	
900	180	180	00	60	627.2 (64.0)	900	385	370	39200.0 (3997.3)	
			05					372.5		
			10					385		
			15					400.2		
			20					414		
1000	180	180	00	60	627.2 (64.0)	1000	385	370	39200.0 (3997.3)	
			05					372.5		
			10					385		
			15					400.2		
			20					414		

CAM UNITS

Summary

AZOL
GAS 

PUNCHING FORCE CALCULATION

The following formula is used to calculate the required force in the punching process:

$$F = S \times C_R$$

$$S = P \times Esp$$

Punch \varnothing - 16 mm

Sheet thickness - 2 mm

Tensile strength 40 Kg/mm²

$$S = (2\pi R) \times Esp$$

$$S = (2\pi 8) \times 2$$

$$F = (2\pi 8) \times 2 \times 40$$

$$F = 50.26 \times 2 \times 40$$

$$F = 4021.24 \text{ Kg}$$

F : Punching force (Kg)

S : Cutting section (mm²)

CR : Tensile strength coefficient (Kg/mm²)

P : Cutting perimeter (mm)

Esp : Sheet thickness (mm)

HOW TO USE THE GRAPHIC : PUNCHING FORCE CALCULATION

DESCRIPTION

-Mark a point in the appropriate hole diameter or cutting perimeter punch in the left column of the graphic.

-Mark a point on the value of the sheet thickness that we are going to punch in the right column of the graphic.

-Link the previous two points and required punching force is indicated the central column.

If the piece to be punched has a different material, the result must be multiplied by the factor of the table below.

For example, if the resulting value is 4, and the punched material is aluminum 1100, apply the appropriate multiplier factor.

Common steel

F = 4 ton

Aluminum 1100

F = 4 x 0.32 = 1.28 ton

Laminated copper

F = 4 x 0.50 = 2 ton

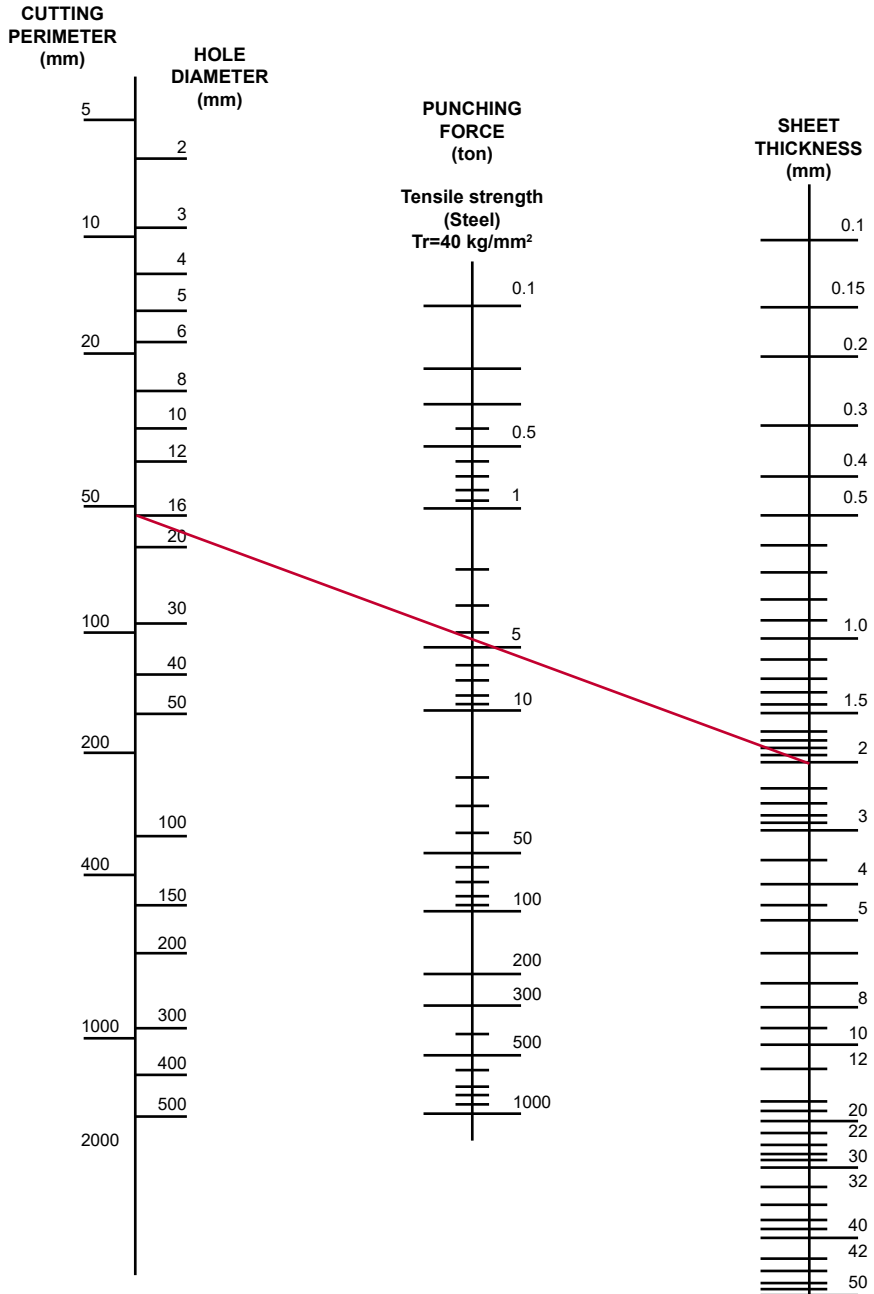
Stainless steel T-304

F = 4 x 1.50 = 6 ton

MATERIAL	MULTIPLY FACTOR
ALUMINUM 1100	0.32
ALUMINUM 6063 T6	0.50
LAMINATED COPPER	0.50
SEMI-HARD BRASS	0.60
STRUCTURAL STEEL A-52	1.25
STAINLESS STEEL T-304	1.50

PUNCHING FORCE CALCULATION (GRAPHIC)

Steel = 40 Kg/mm² Used tensile strength coefficient
For other materials consult multiplier in attached table.

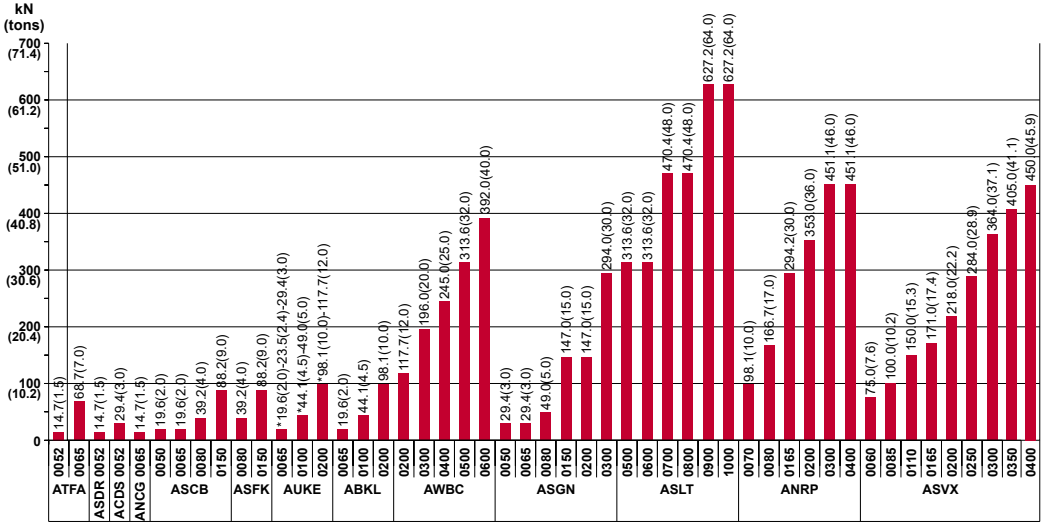


CAM UNITS

Summary

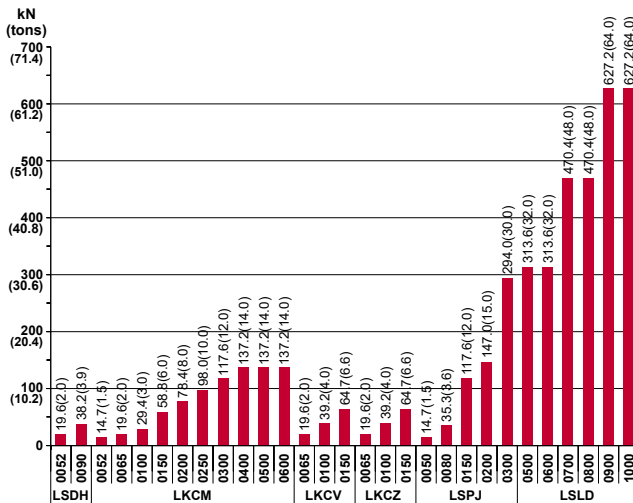


AERIAL CAMS WORK FORCES GRAPHIC



*- Angle depending variable value.

DIE MOUNTED CAMS WORK FORCES GRAPHIC



General information



ATFA 0052

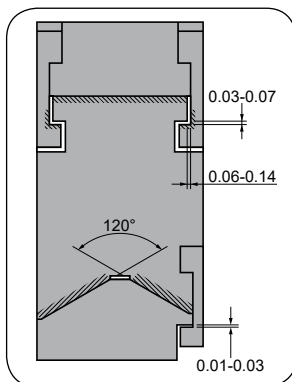


ATFA 0065

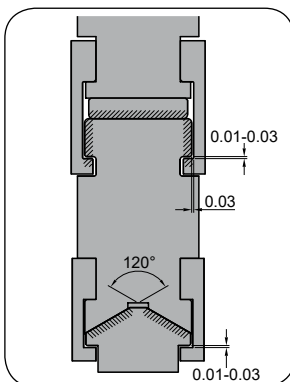
- Aerial cam.
- (ATFA 52) Angles from 0° to 80° and (ATFA 65) from 0° to 75° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Compact design.

Adjustment clearances

ATFA 0052



ATFA 0065



Assembling and disassembling

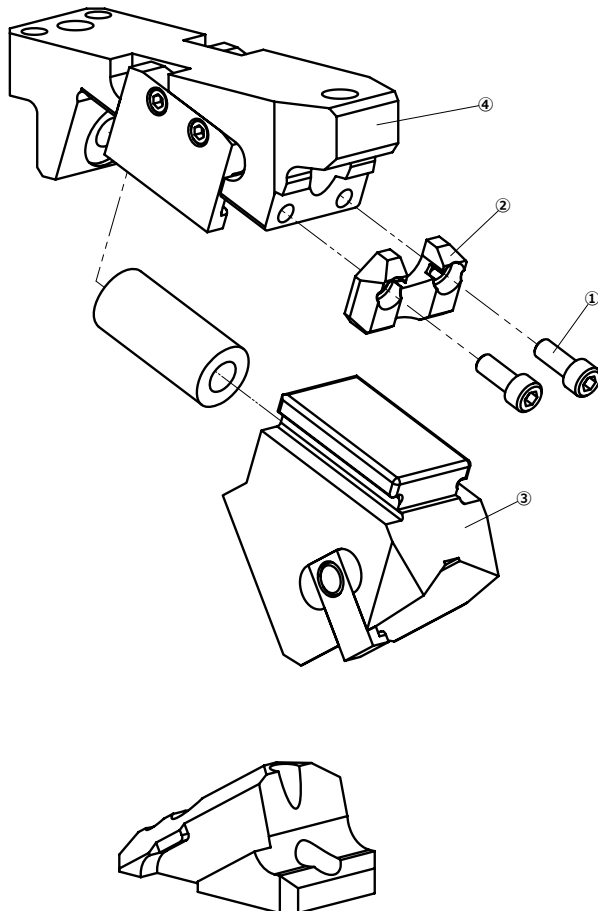
ATFA 0052

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

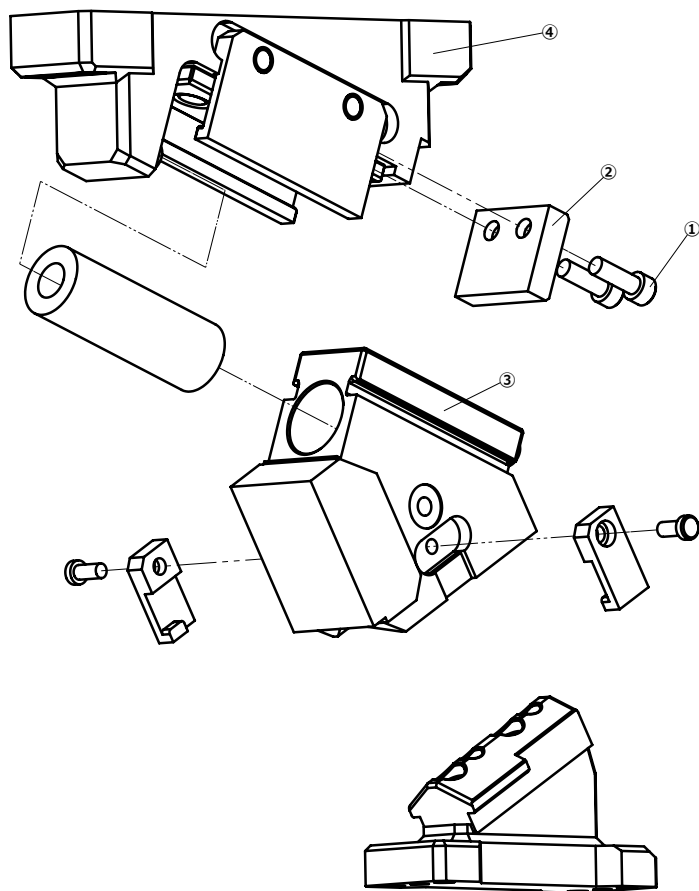
ATFA 0065

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



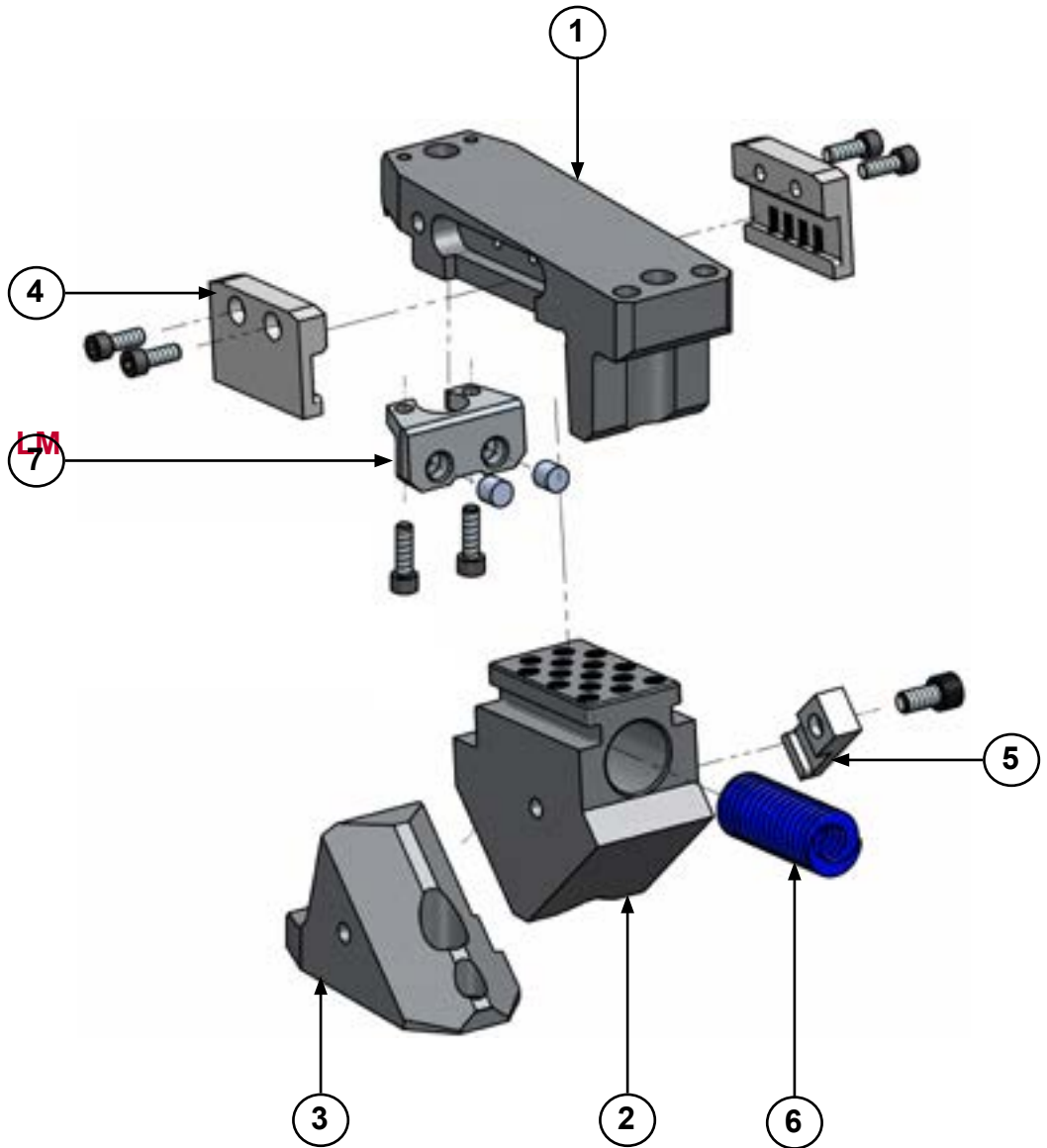
ATFA

Aerial cam for pierce



ATFA 0052

Aerial cam for pierce

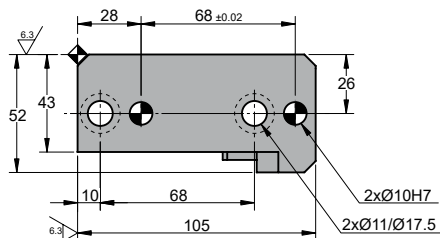
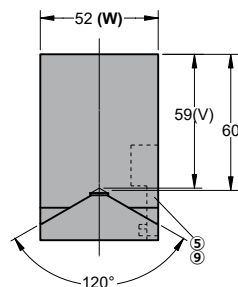
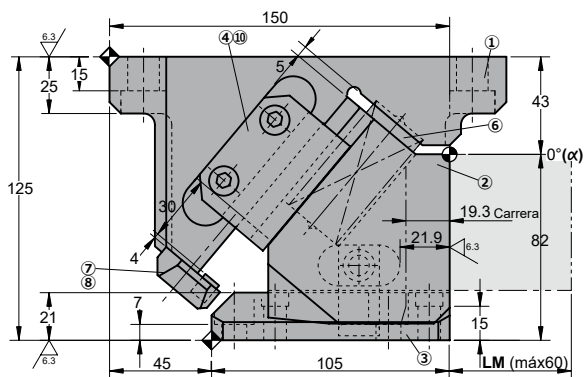
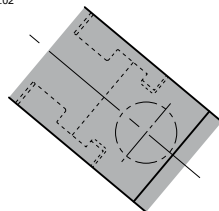
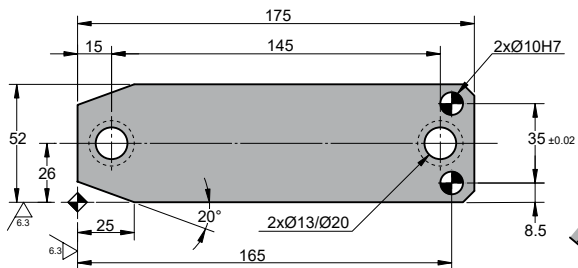


ATFA 0052

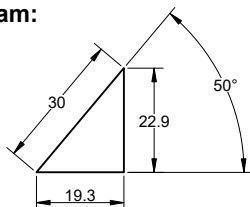
Aerial cam for pierce

AZOL
GAS

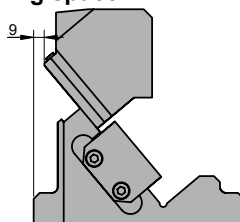
ATFA 0052 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
19.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.3	ATFA	0052	00



Order: Model (W) (α)

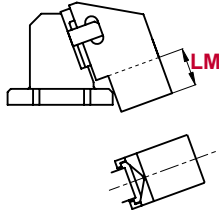
ATFA 0052 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 00-LM50



SPARE PARTS:

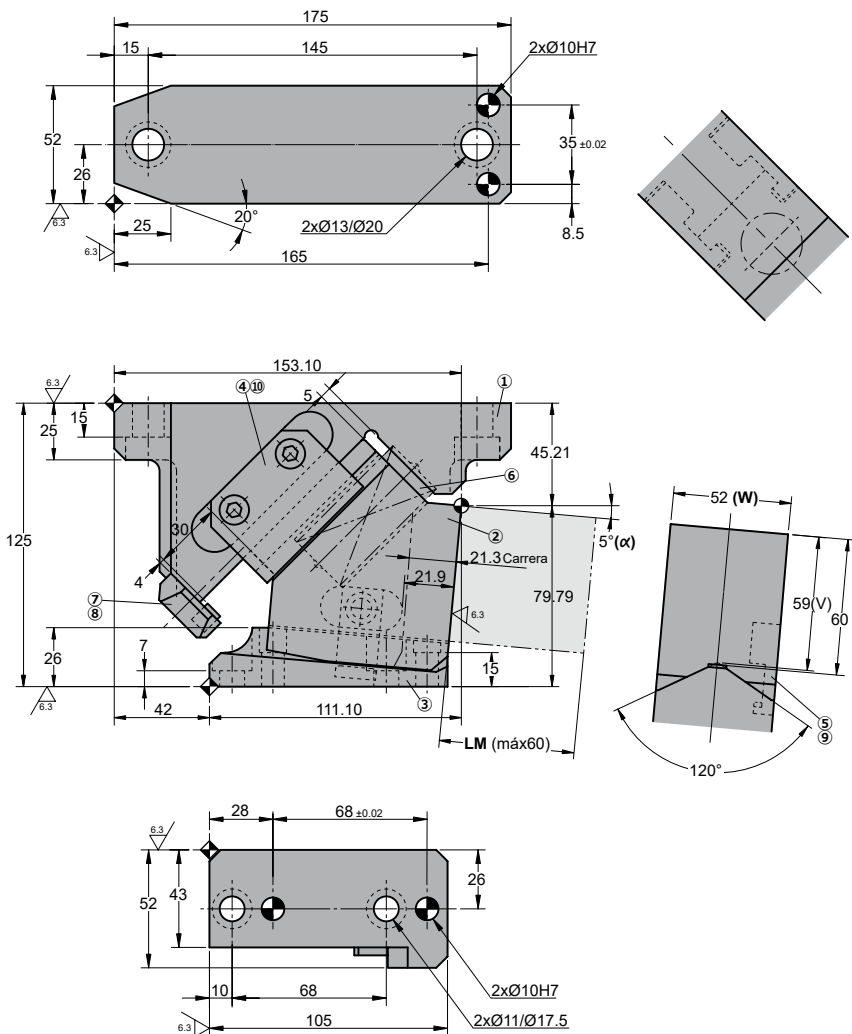
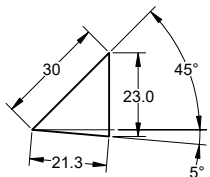
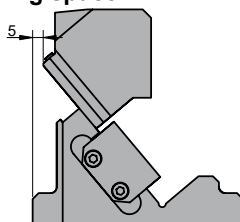
⑥ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

Aerial cam for pierce

**AZOL
GAS****ATFA 0052 05****Cam diagram:****Desassembling space:**

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
21.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.2	ATFA	0052	05



Order: Model (W) (α)

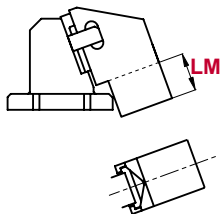
ATFA 0052 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 05-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

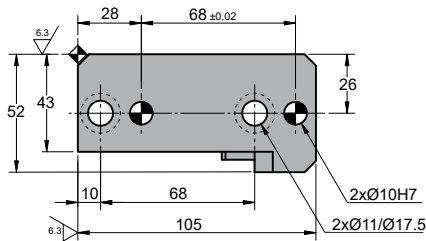
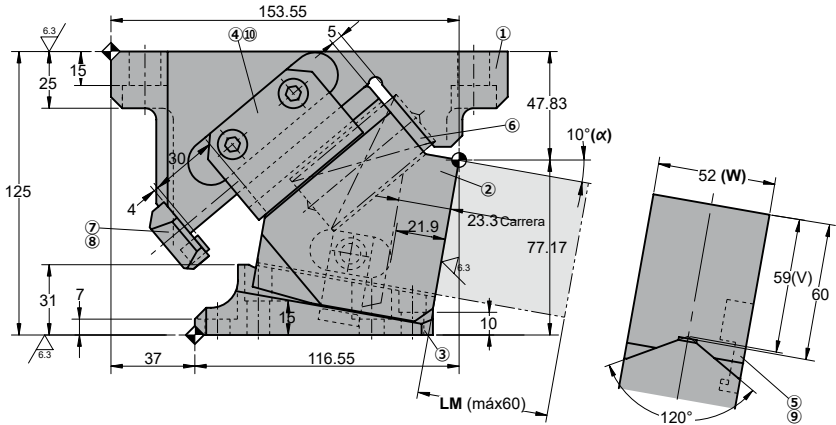
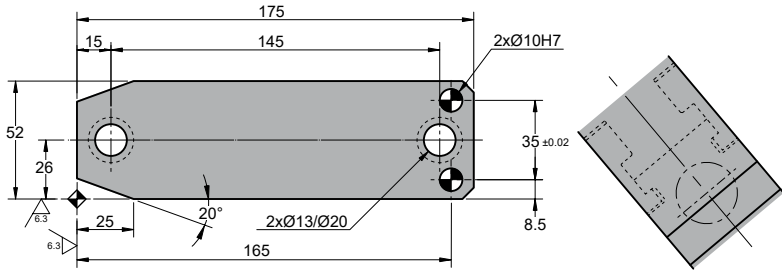
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

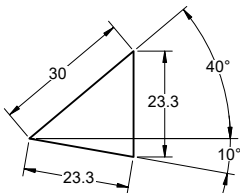
Aerial cam for pierce

AZOL
GAS

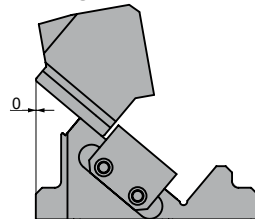
ATFA 0052 10



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
23.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.1	ATFA	0052	10



Order: Model (W) (α)

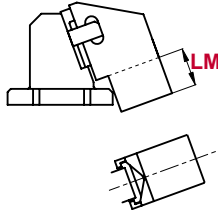
ATFA 0052 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 10-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

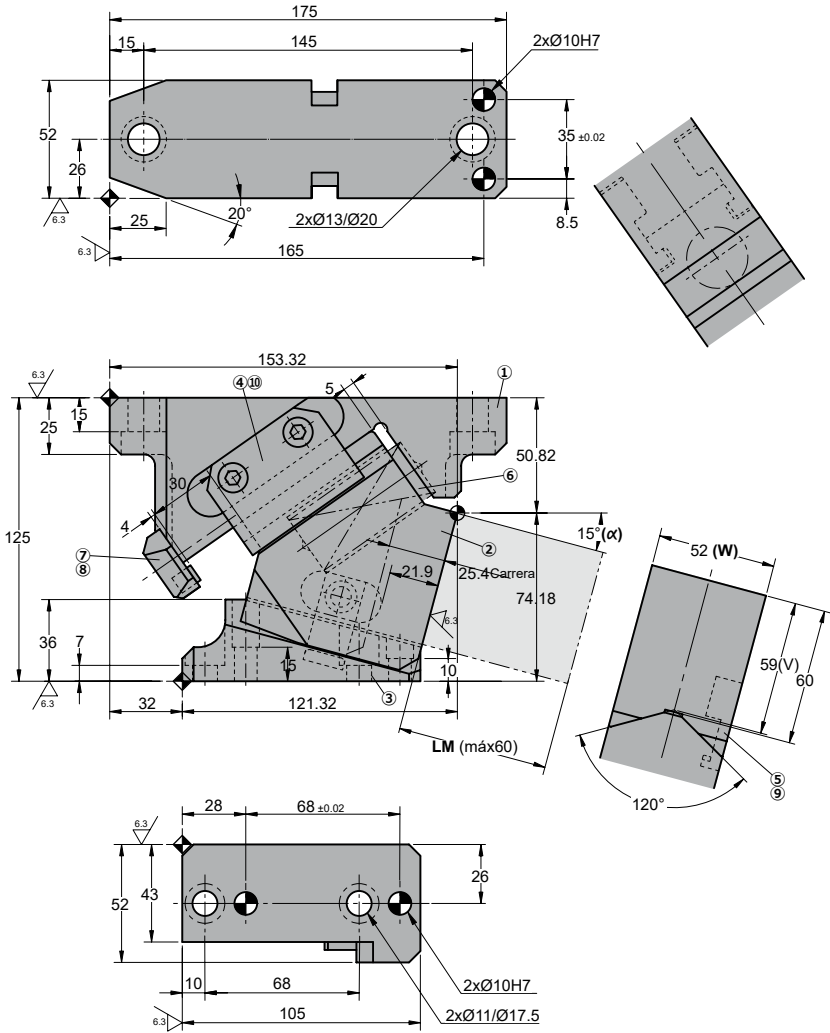
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

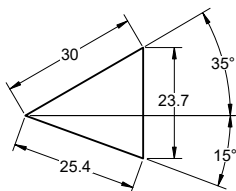
Aerial cam for pierce



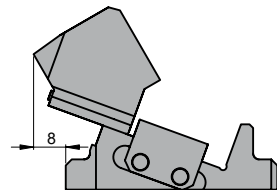
ATFA 0052 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
25.4	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	15



Order: Model (W) (α)

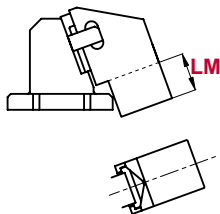
ATFA 0052 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 15-LM50



SPARE PARTS:

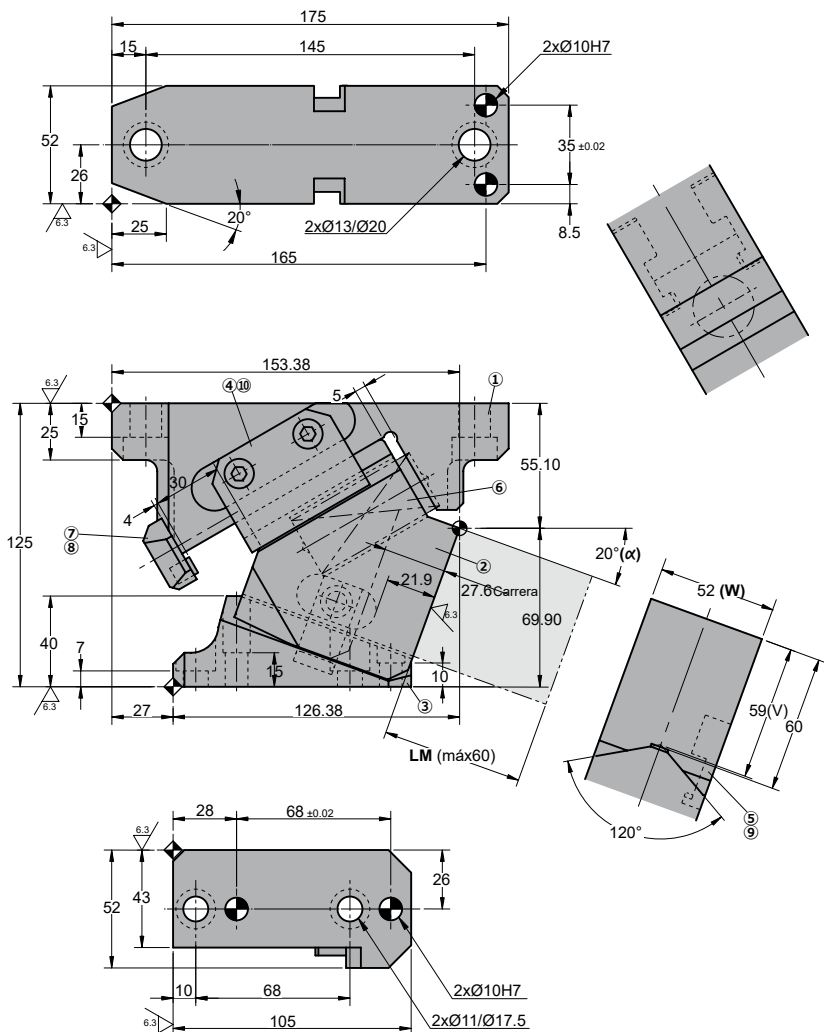
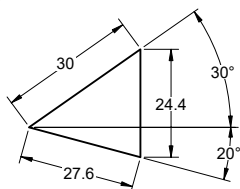
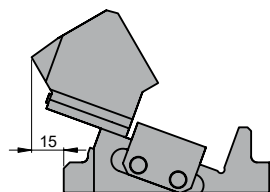
⑥ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

Aerial cam for pierce

**AZOL
GAS** **ATFA 0052 20****Cam diagram:****Desassembling space:**

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
27.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	20



Order: Model (W) (α)

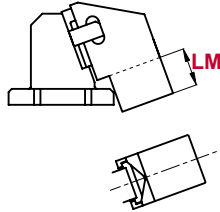
ATFA 0052 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 20-LM50



SPARE PARTS:

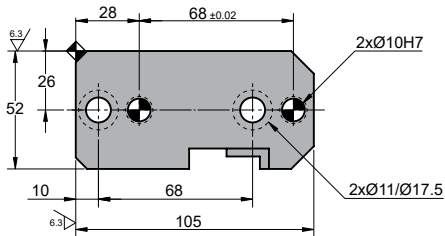
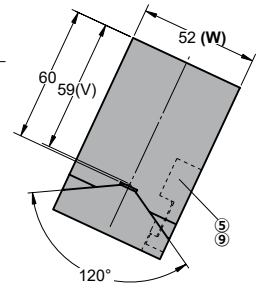
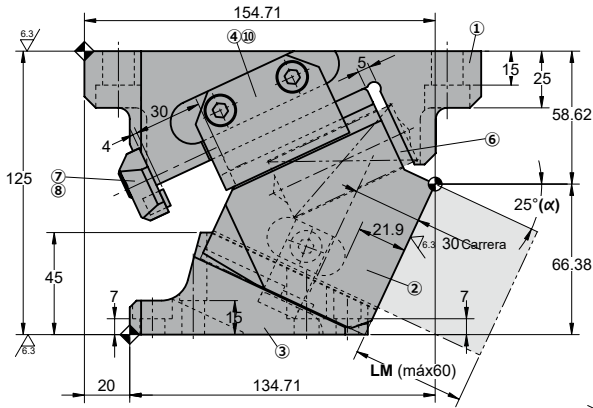
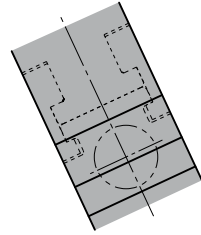
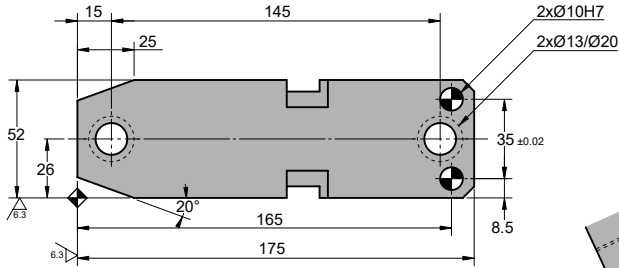
⑥ Coil Spring

COMPONENTS

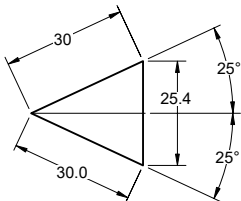
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

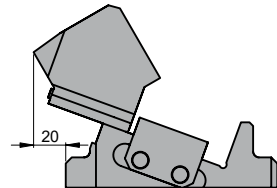
Aerial cam for pierce

**AZOL
GAS****ATFA 0052 25**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.0	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	25



Order: Model (W) (α)

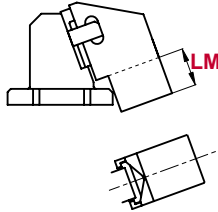
ATFA 0052 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 25-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

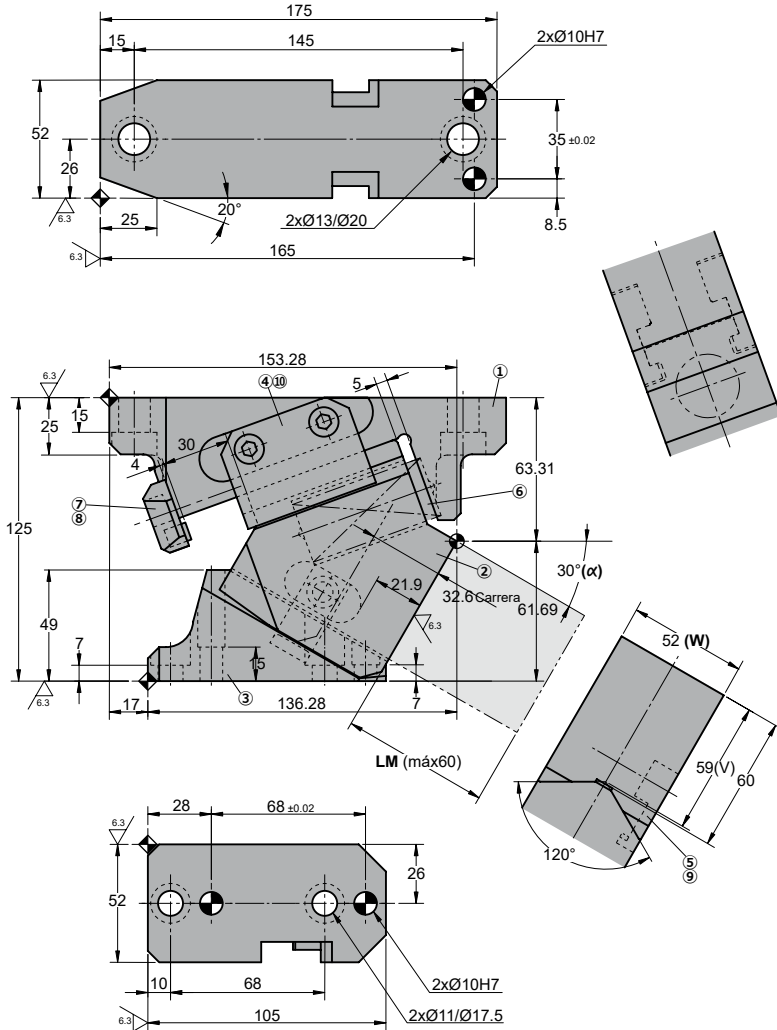
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

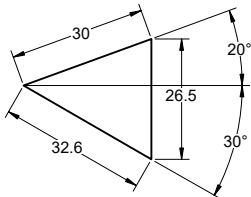
Aerial cam for pierce

AZOL
GAS

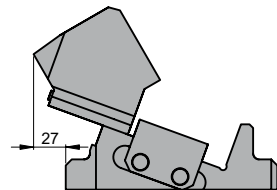
ATFA 0052 30



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	30



Order: Model (W) (α)

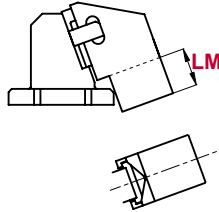
ATFA 0052 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 30-LM50



SPARE PARTS:

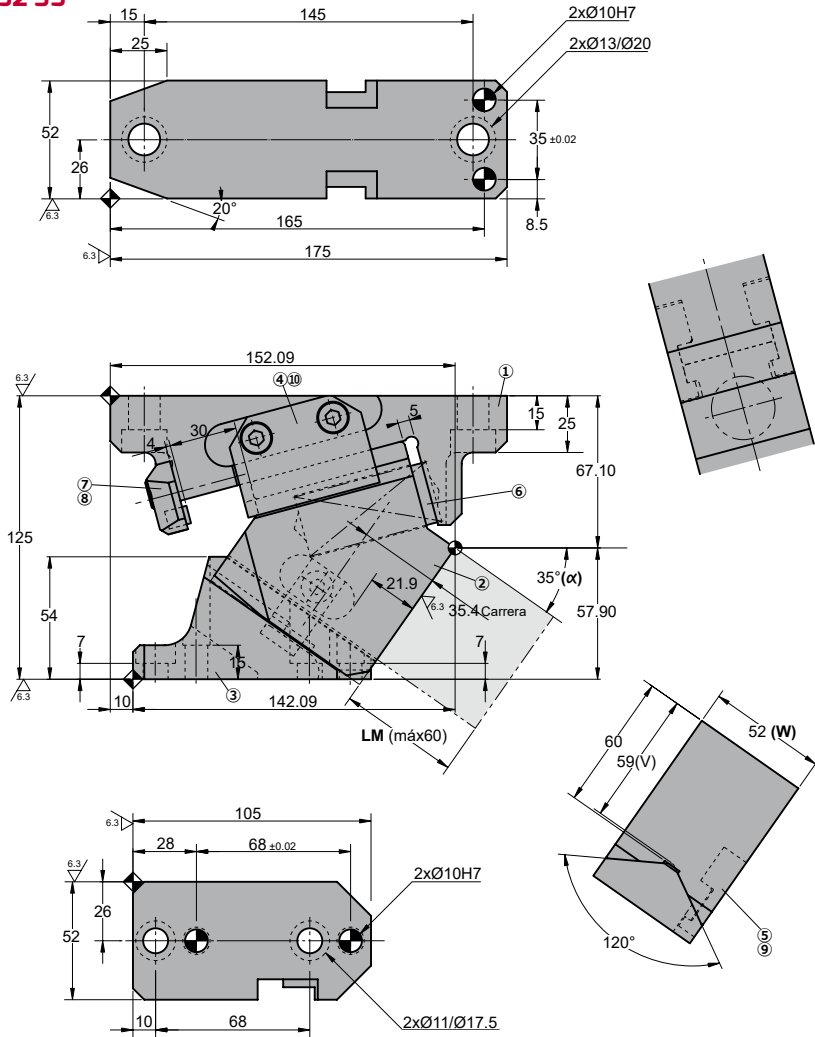
⑥ Coil Spring

COMPONENTS

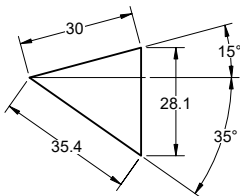
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

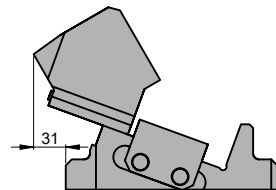
Aerial cam for pierce

**AZOL
GAS** **ATFA 0052 35**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.4	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	4.9	ATFA	0052	35



Order: Model (W) (α)

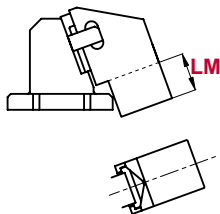
ATFA 0052 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 35-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

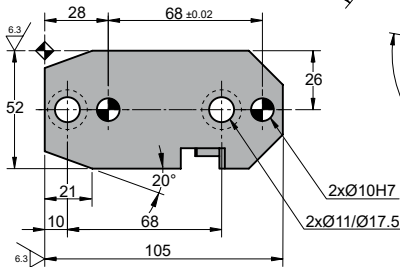
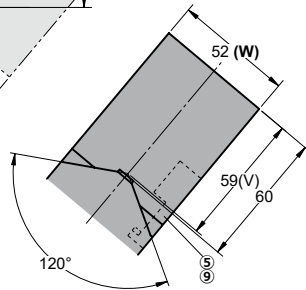
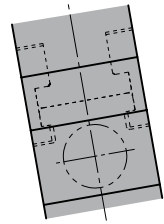
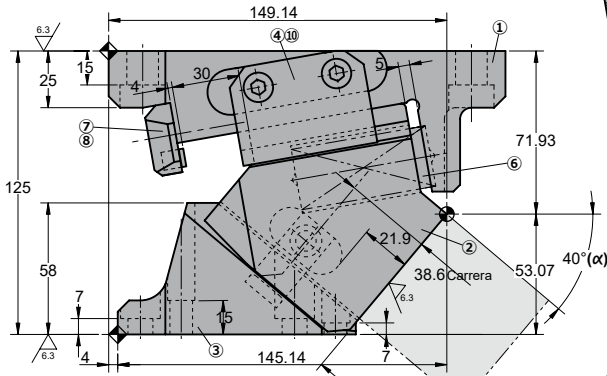
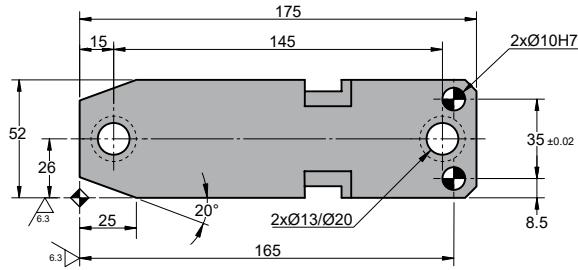
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

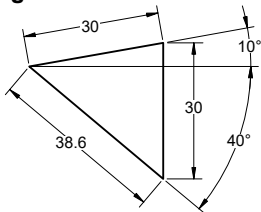
Aerial cam for pierce



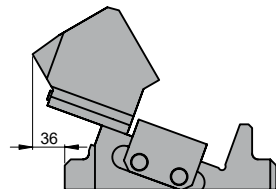
ATFA 0052 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	40



Order: Model (W) (α)

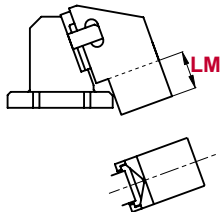
ATFA 0052 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 40-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

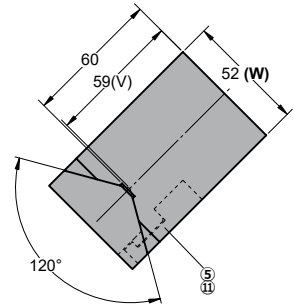
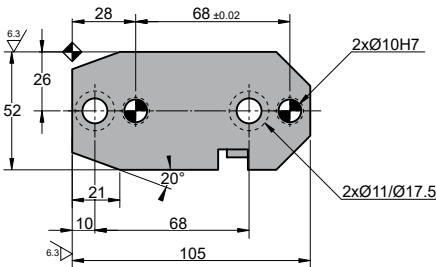
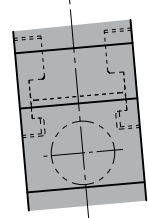
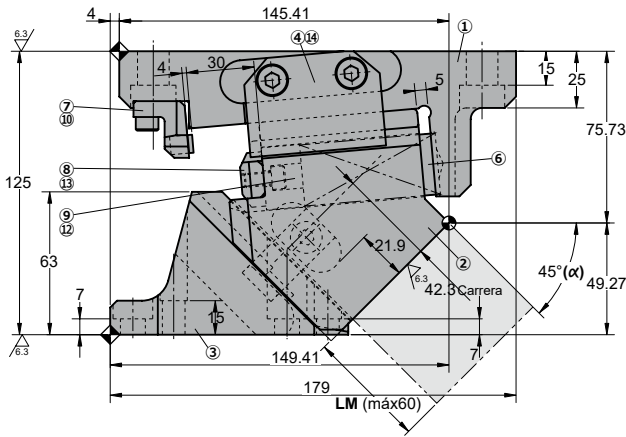
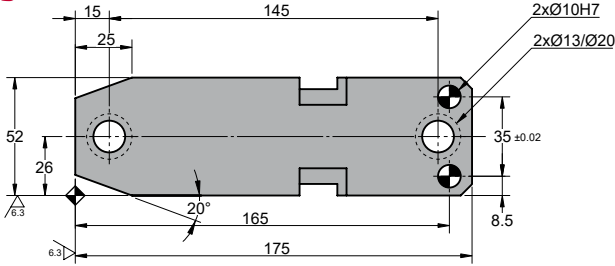
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

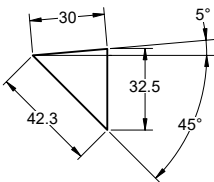
Aerial cam for pierce



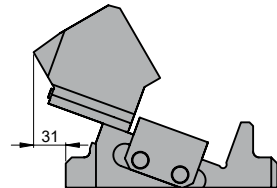
ATFA 0052 45



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	45



Order: Model (W) (α)

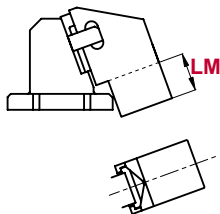
ATFA 0052 45

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 45-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

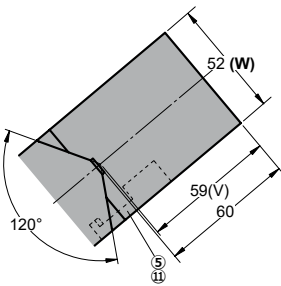
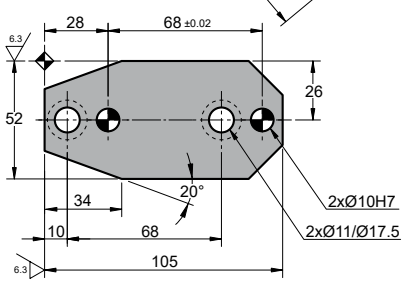
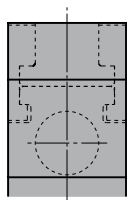
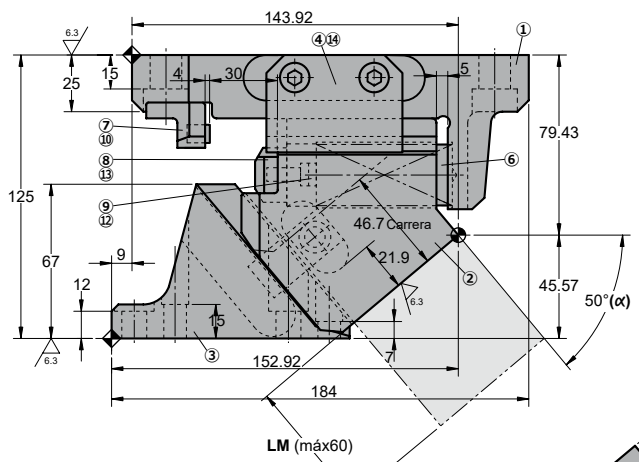
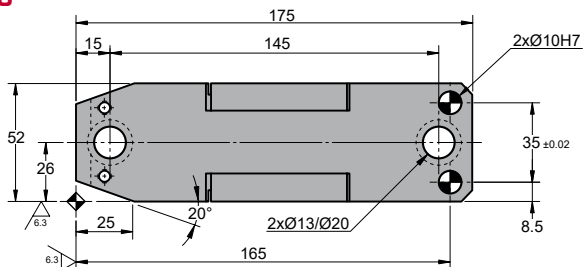
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

ATFA 0052

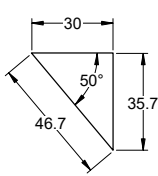
Aerial cam for pierce



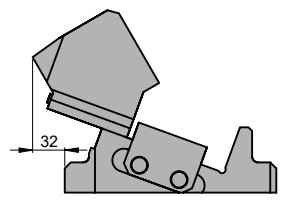
ATFA 0052 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	50



Order: Model (W) (α)

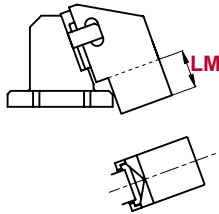
ATFA 0052 50

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 50-LM50



SPARE PARTS:

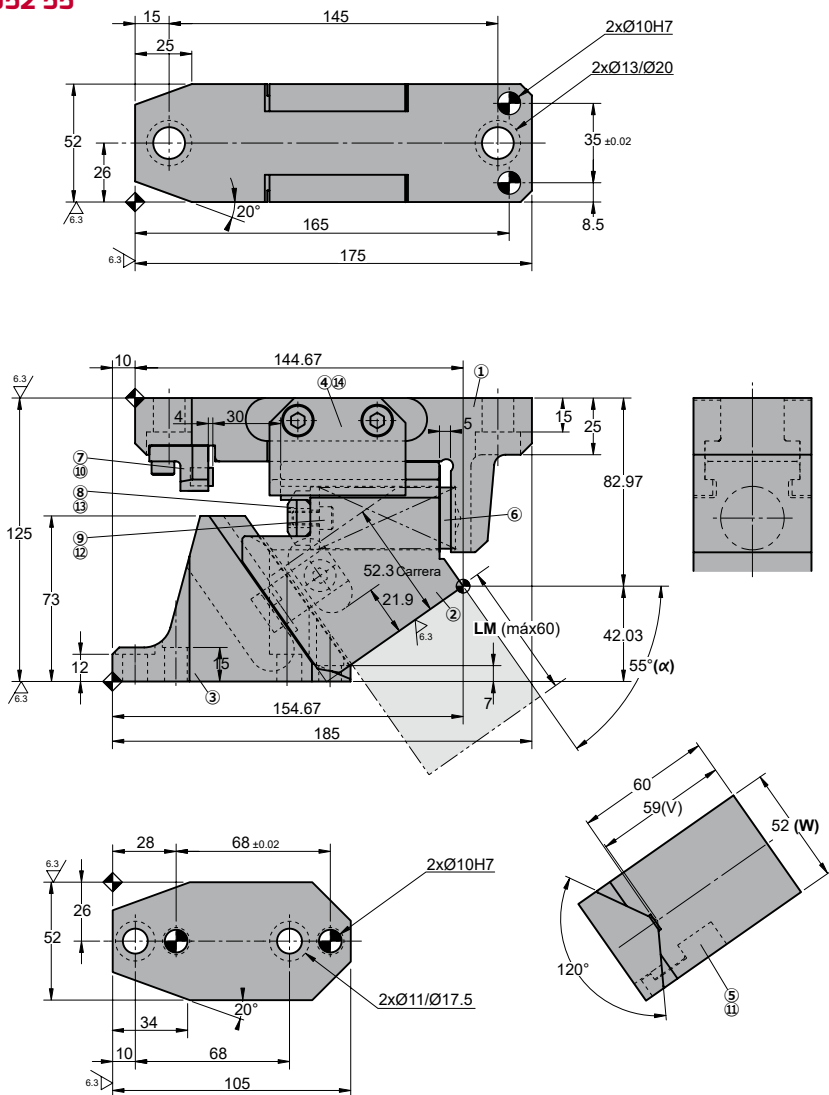
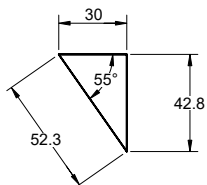
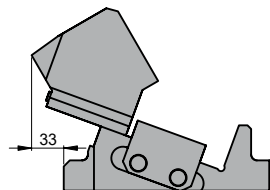
⑥ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

ATFA 0052

Aerial cam for pierce

**AZOL
GAS** **ATFA 0052 55****◦Cam diagram:****◦Desassembling space:**

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
52.3	14.7 (1.5)	29.4 (3.0)	245 (25.0)	980.0 (99.9)	5.0	ATFA	0052	55



Order: Model (W) (α)

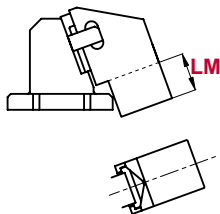
ATFA 0052 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 55-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

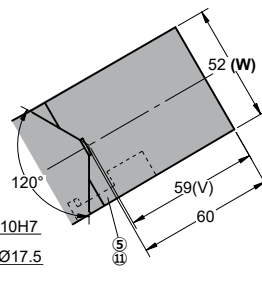
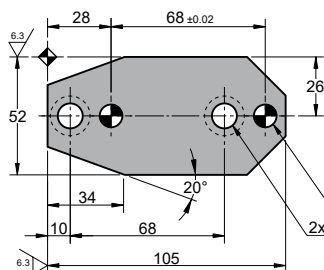
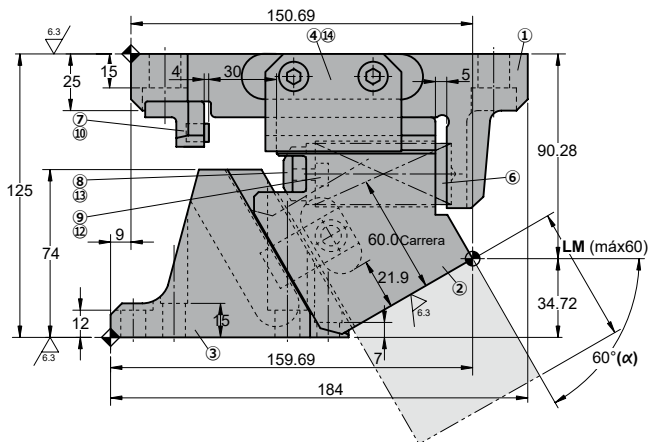
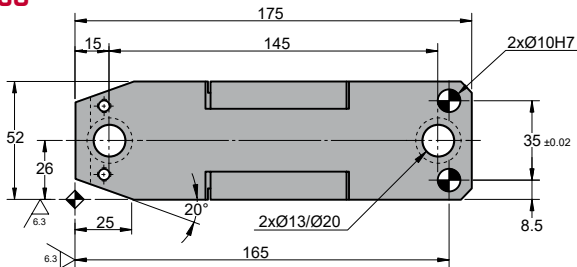
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

ATFA 0052

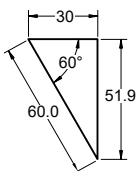
Aerial cam for pierce

AZOL
GAS

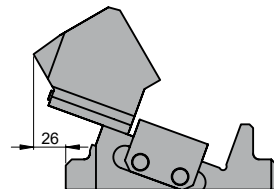
ATFA 0052 60



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.2	ATFA	0052	60



Order: Model (W) (α)

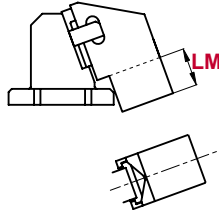
ATFA 0052 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 60-LM50



SPARE PARTS:

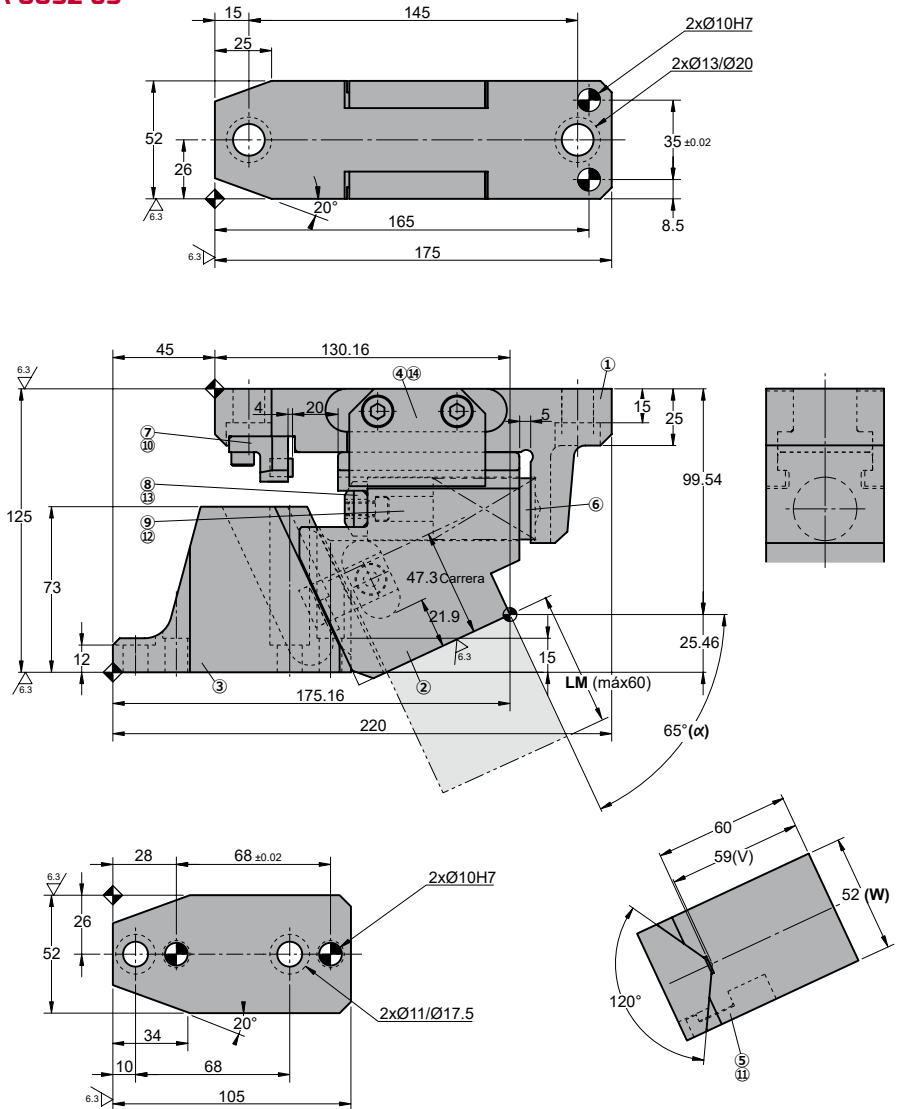
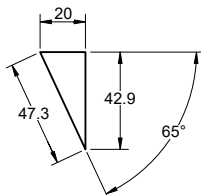
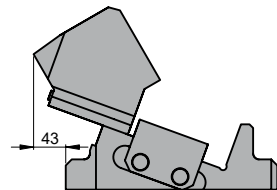
⑥ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

ATFA 0052

Aerial cam for pierce

**AZOL
GAS** **ATFA 0052 65****Cam diagram:****Desassembling space:**

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.3	14.7 (1.5)	29.4 (3.0)	327.0 (33.3)	981.0 (100.0)	5.9	ATFA	0052	65



Order: Model (W) (α)

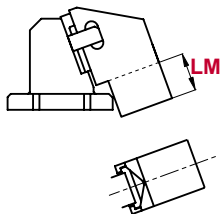
ATFA 0052 65

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 65-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

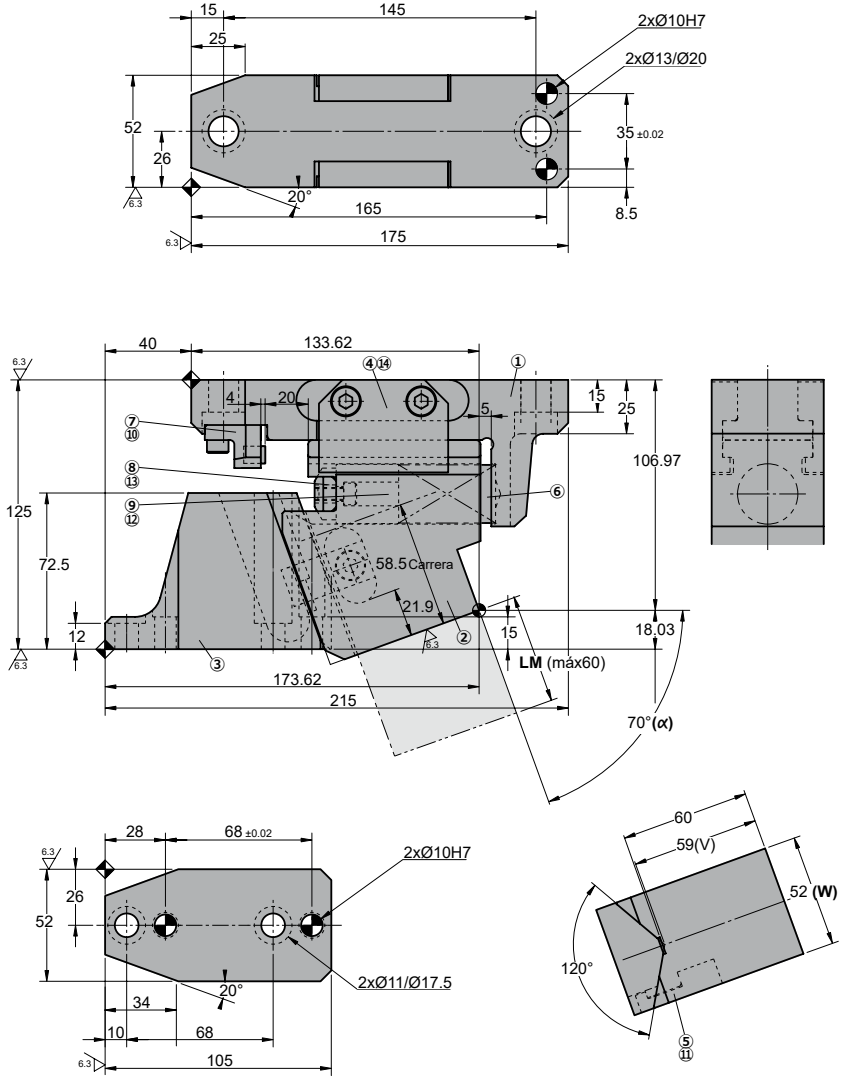
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-75
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

ATFA 0052

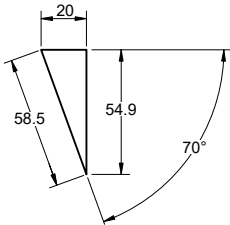
Aerial cam for pierce



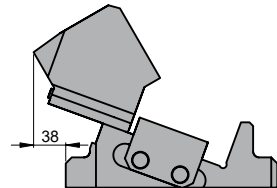
ATFA 0052 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
58.5	14.7 (1.5)	29.4 (3.0)	327.0 (33.3)	981.0 (100.0)	5.9	ATFA	0052	70



Order: Model (W) (α)

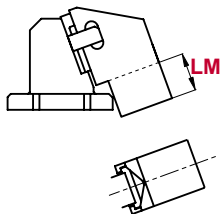
ATFA 0052 70

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 70-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

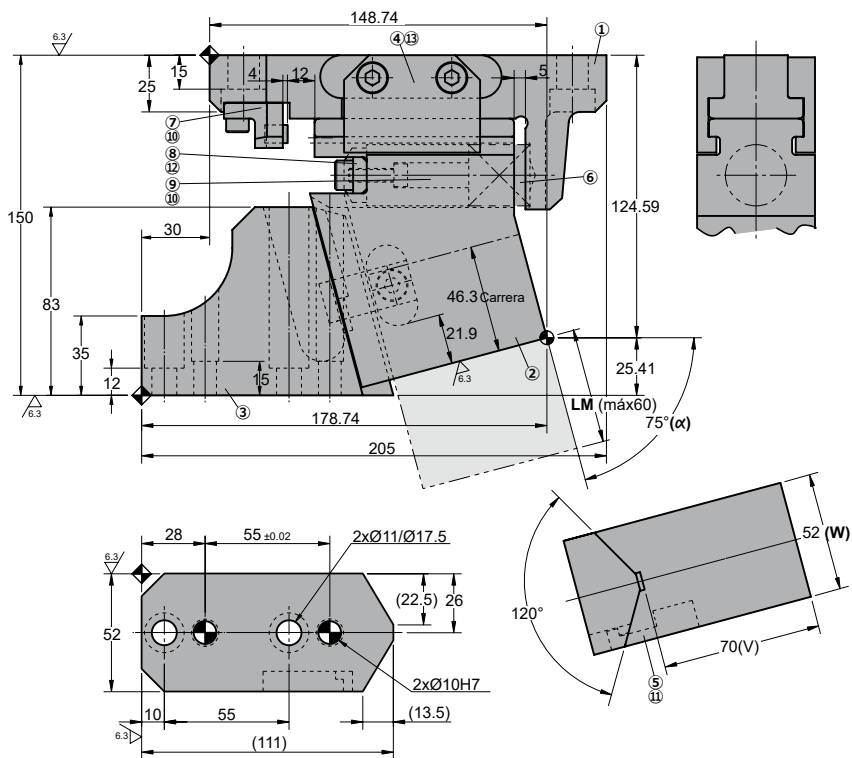
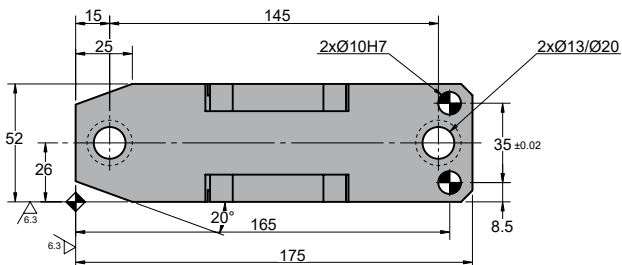
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-75
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

ATFA 0052

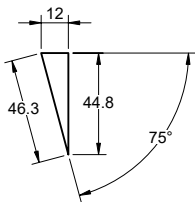
Aerial cam for pierce



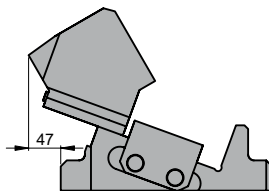
ATFA 0052 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.3	14.7 (1.5)	29.4 (3.0)	327.1 (33.4)	981.2 (100.1)	7.8	ATFA	0052	75



Order: Model (W) (α)

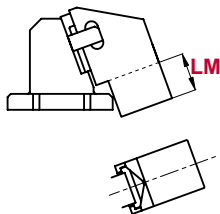
ATFA 0052 75

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 75-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

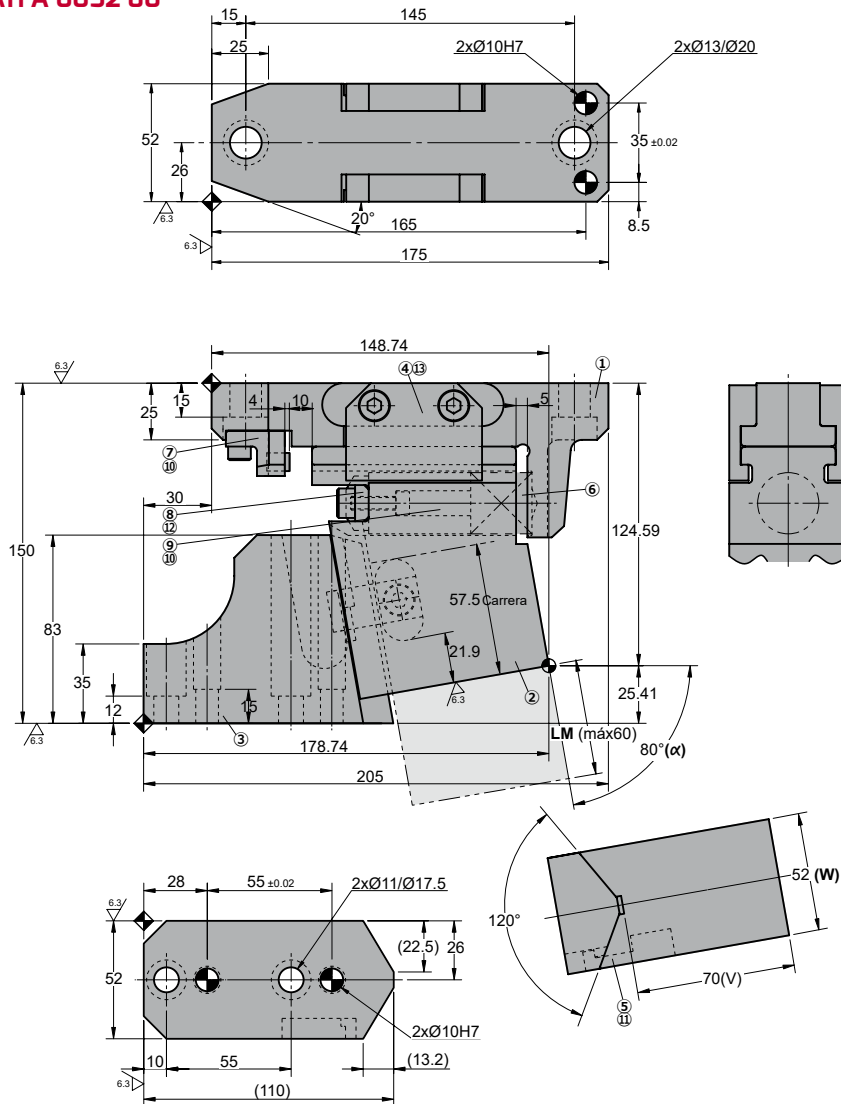
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-45
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	3	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	4	M6 x 16

ATFA 0052

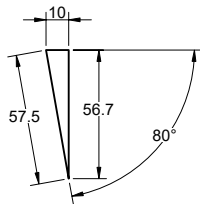
Aerial cam for pierce



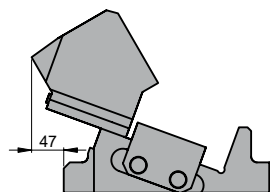
ATFA 0052 80



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
57.5	14.7 (1.5)	29.4 (3.0)	436.1 (44.5)	981.2 (100.1)	7.7	ATFA	0052	80



Order: Model (W) (α)

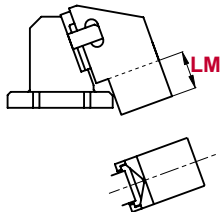
ATFA 0052 80

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50



Order Options: Model (W) (α)-Option



ATFA 0052 80-LM50



SPARE PARTS:

⑥ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-45
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	3	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	4	M6 x 16

ATFA 0052

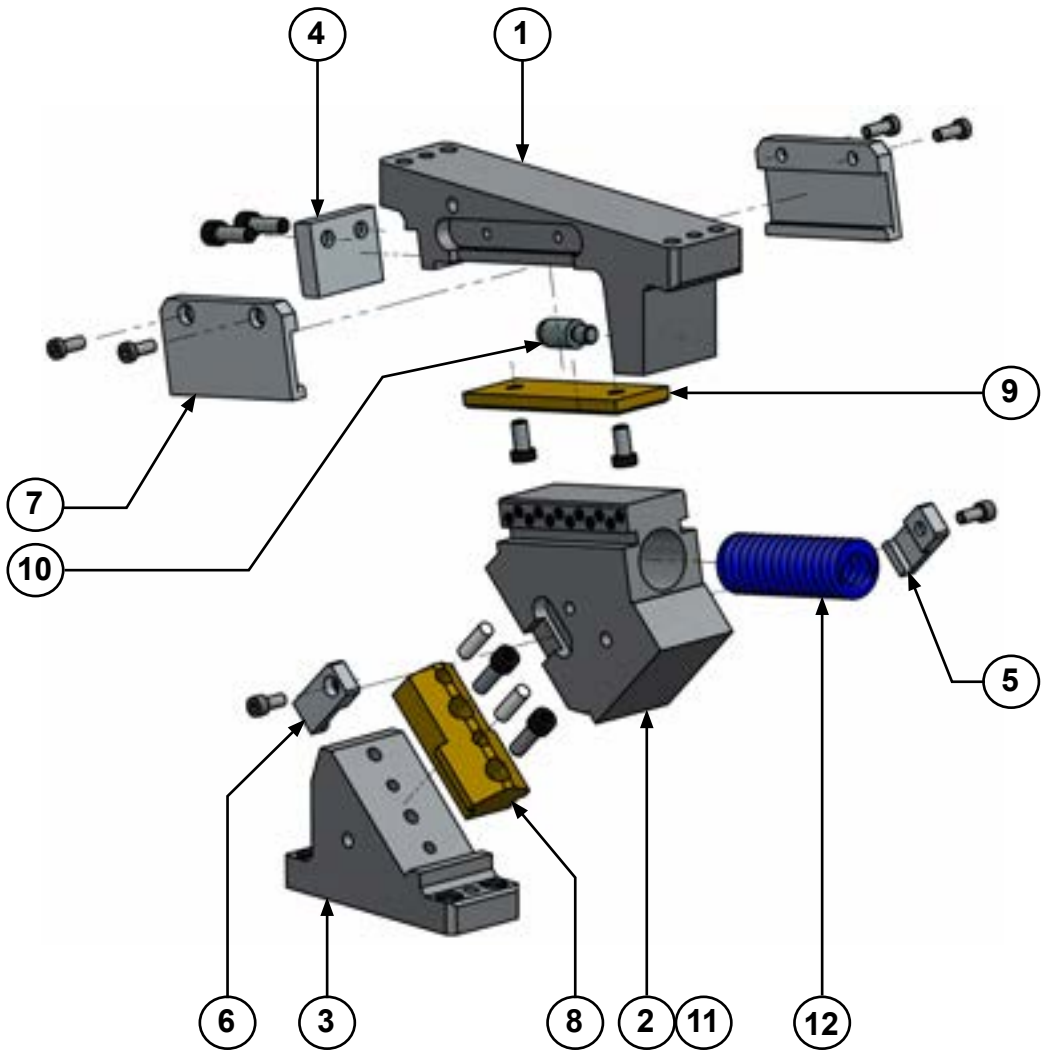


Aerial cam for pierce



ATFA 0065

Aerial cam for pierce

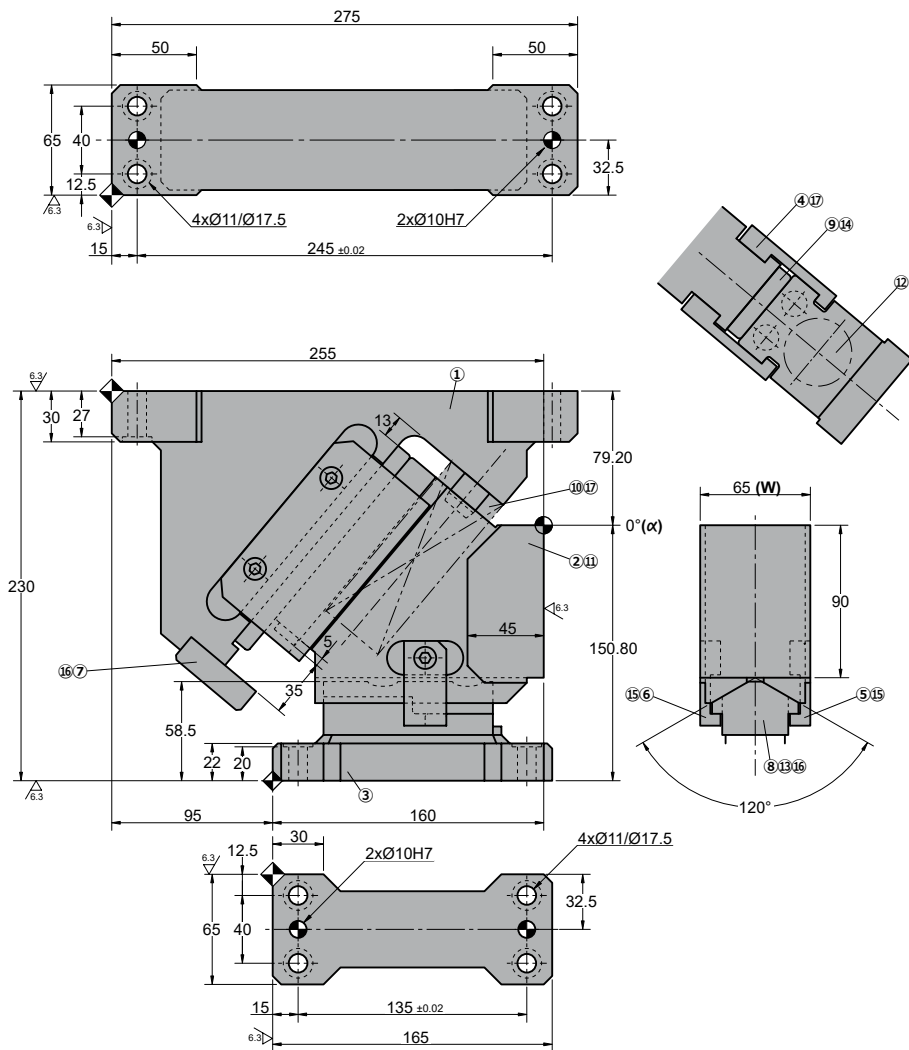


ATFA 0065

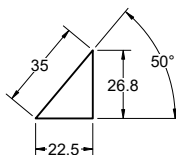
Aerial cam for pierce

**AZOL
GAS** 

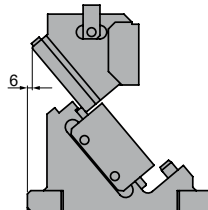
ATFA 0065 00



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
22.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	18.4	ATFA	0065	00


Order: Model (W) (α)
ATFA 0065 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

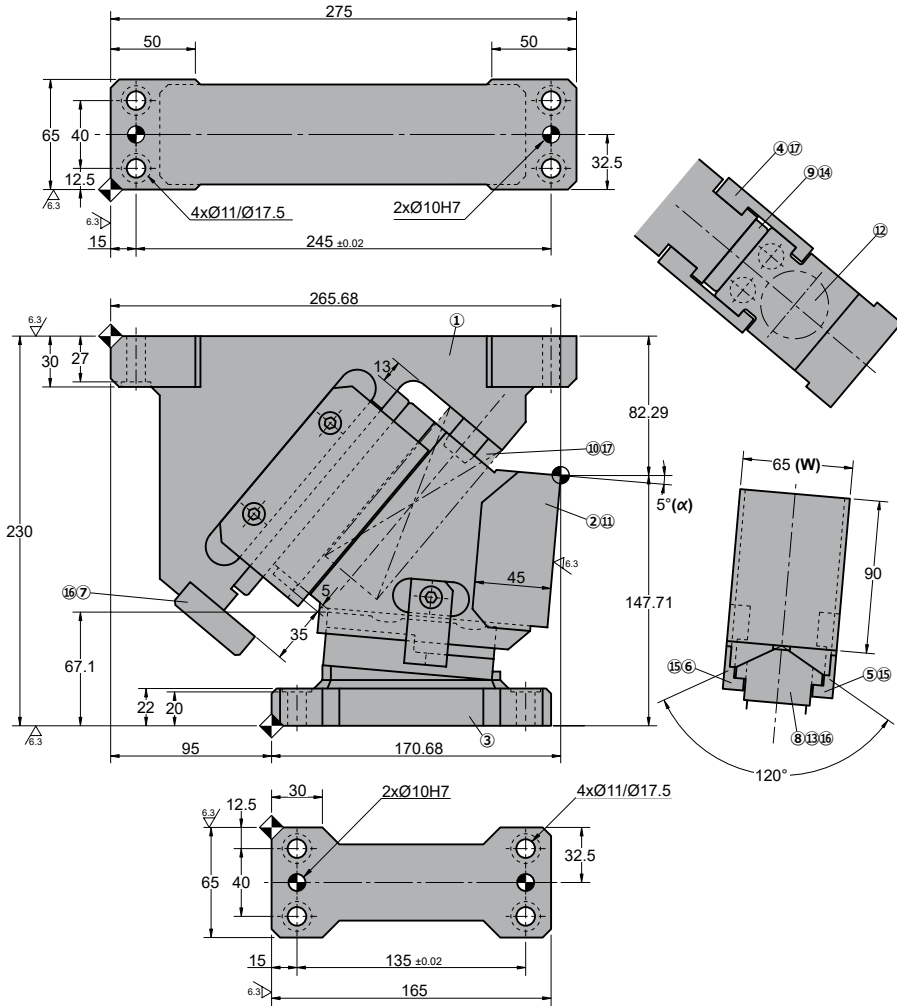
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

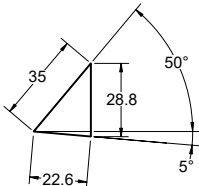
Aerial cam for pierce

**AZOL
GAS** 

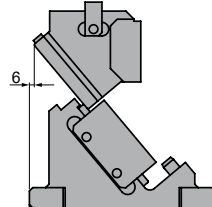
ATFA 0065 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
22.6	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	18.6	ATFA	0065	05



Order: Model (W) (α)

ATFA 0065 05

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

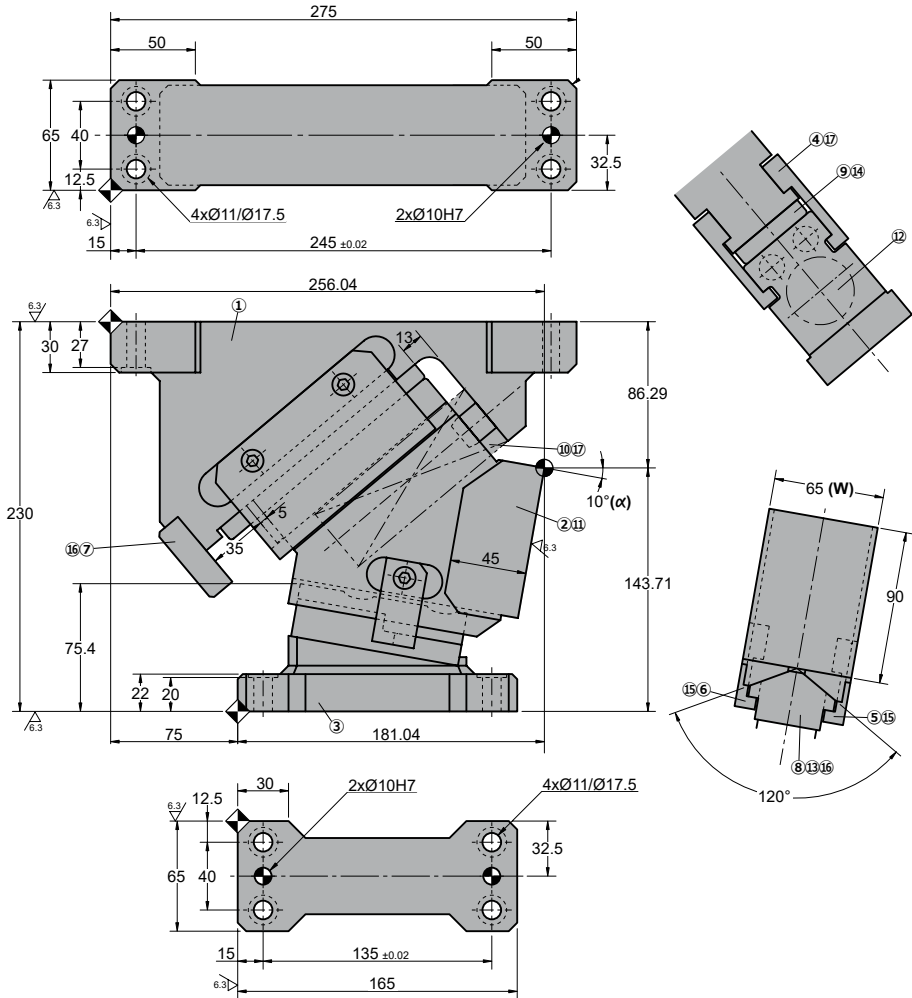
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

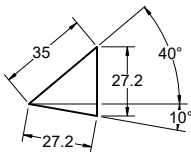
Aerial cam for pierce

**AZOL
GAS** 

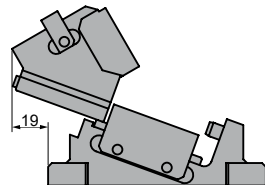
ATFA 0065 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
27.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.4	ATFA	0065	10


Order: Model (W) (α)
ATFA 0065 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

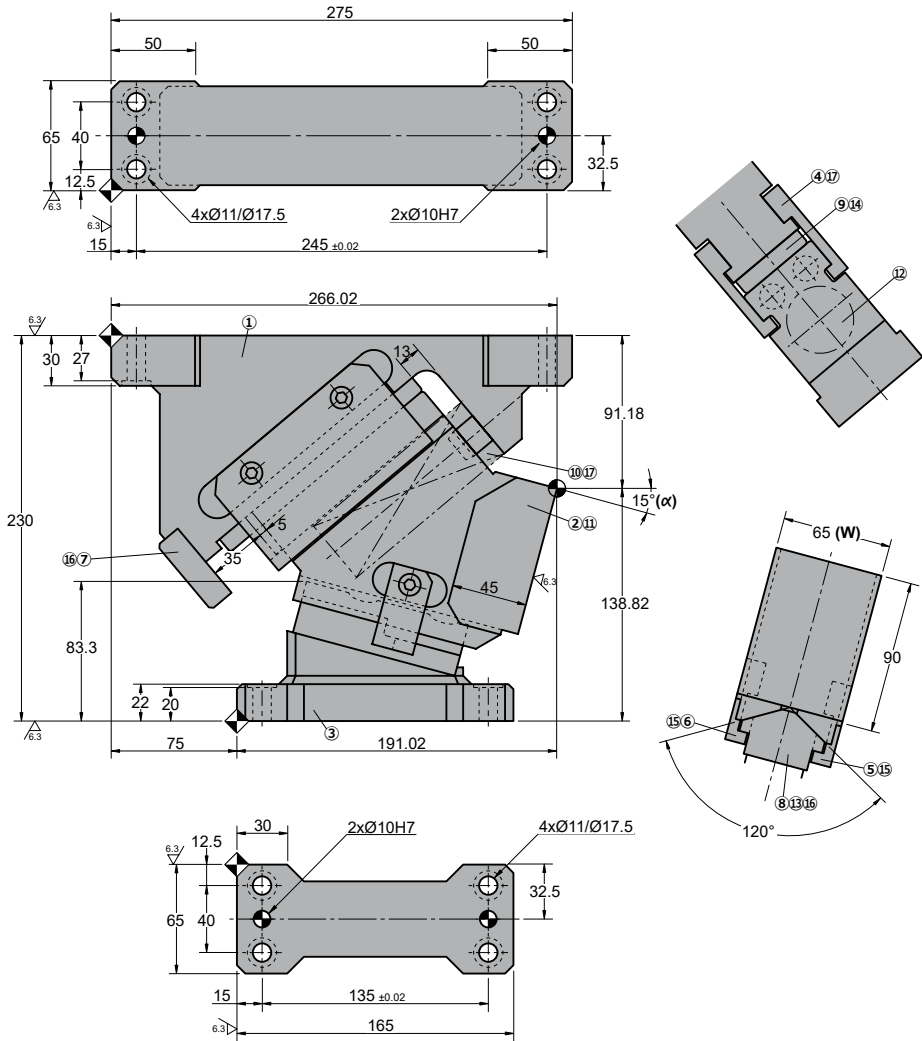
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

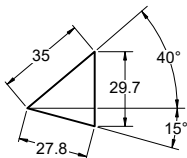
Aerial cam for pierce

**AZOL
GAS** 

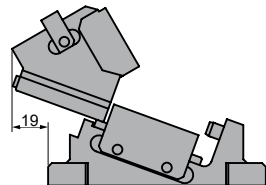
ATFA 0065 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
27.8	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.5	ATFA	0065	15


Order: Model (W) (α)
ATFA 0065 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

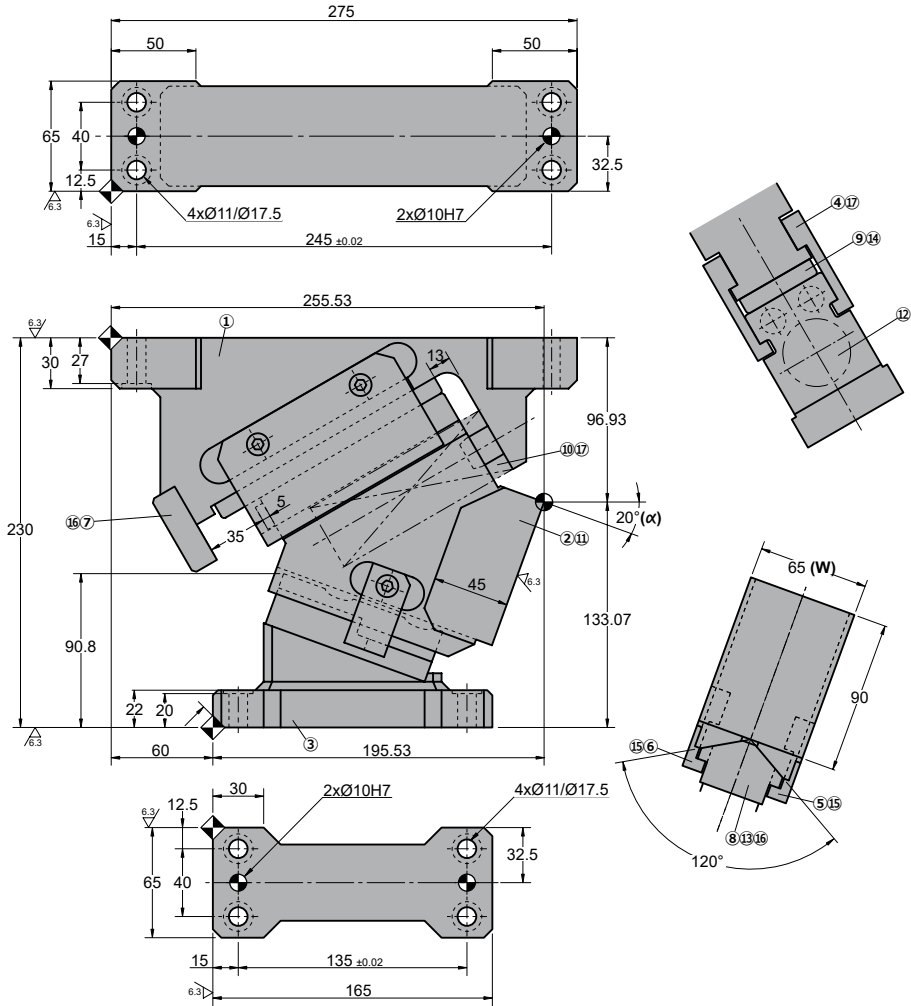
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

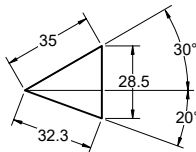
Aerial cam for pierce

**AZOL
GAS** 

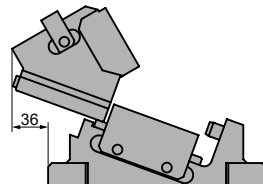
ATFA 0065 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.3	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.6	ATFA	0065	20


Order: Model (W) (α)
ATFA 0065 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

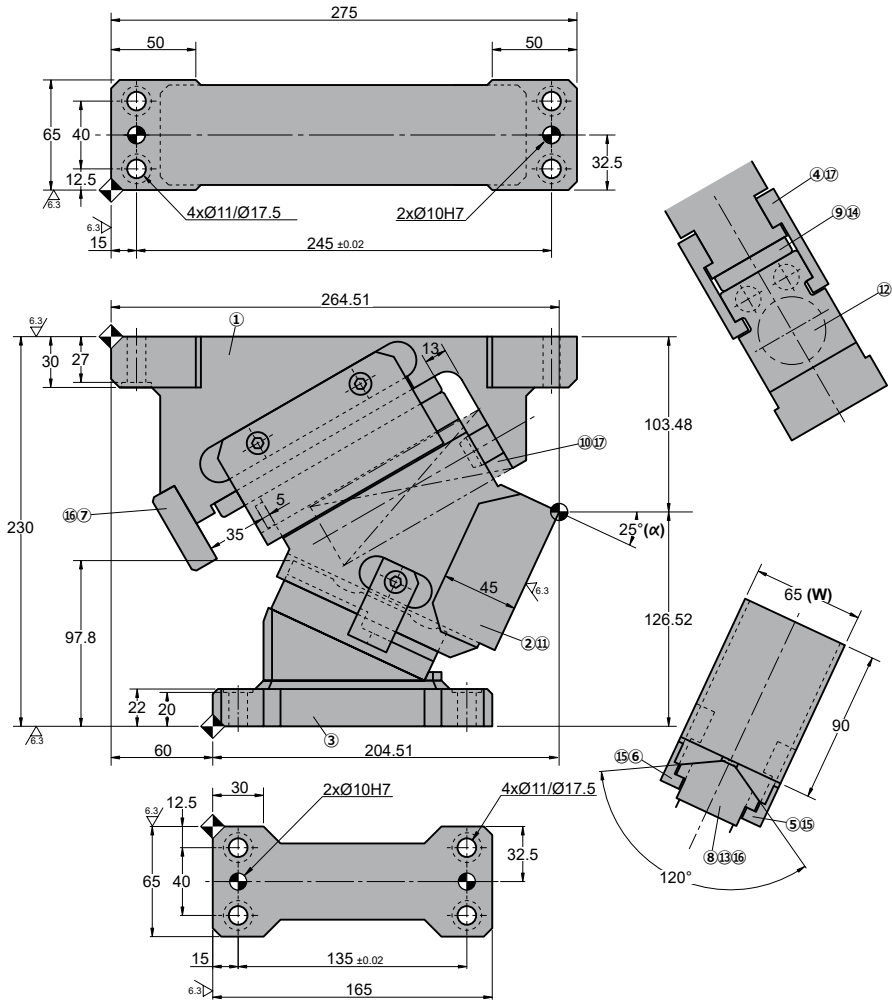
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

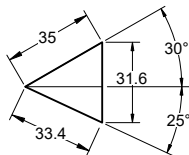
Aerial cam for pierce

**AZOL
GAS** 

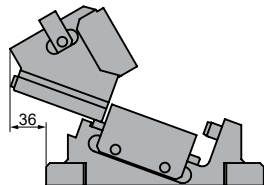
ATFA 0065 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.4	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.8	ATFA	0065	25

Order: Model (W) (α)**ATFA 0065 25**Standard order example according to catalog sheet.
Add options applying options table contents.**OPTIONS**

Order Options: Model (W) (α)-Option**SPARE PARTS:**

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

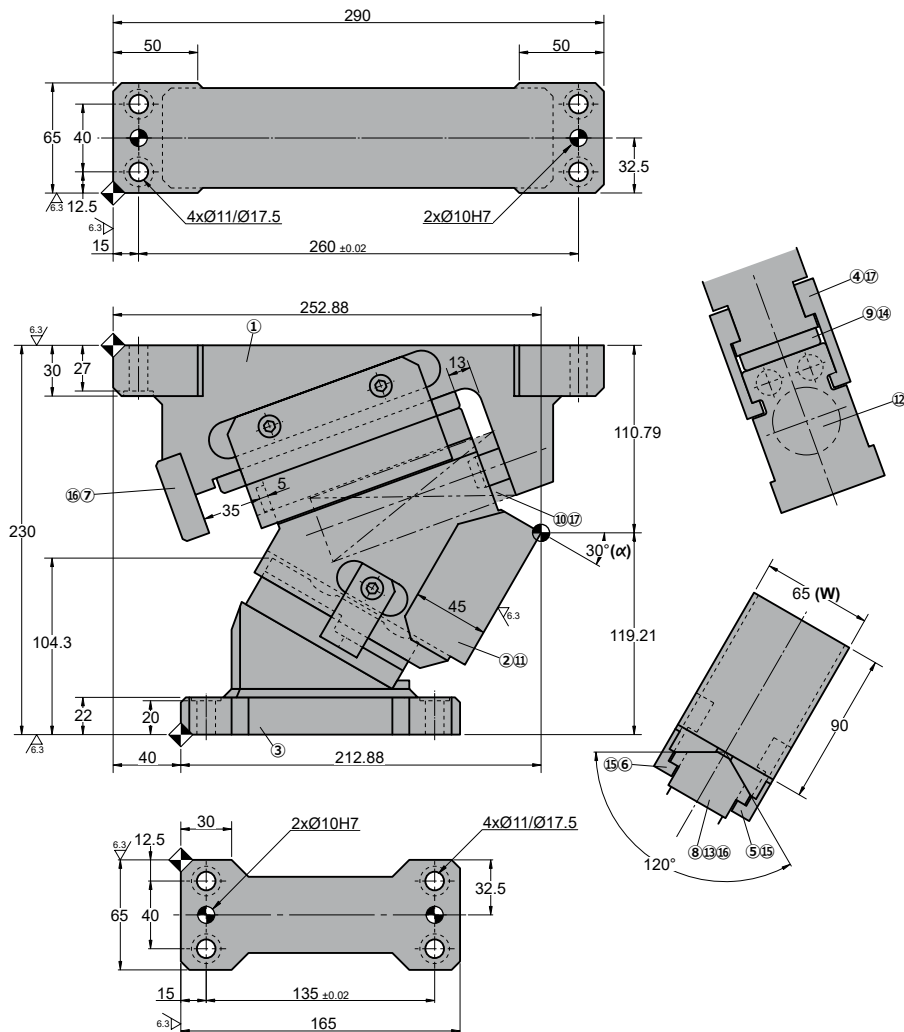
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

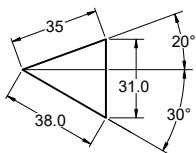
Aerial cam for pierce

**AZOL
GAS** 

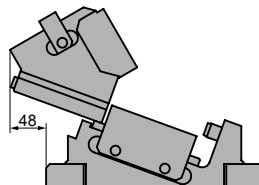
ATFA 0065 30



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.9	ATFA	0065	30


Order: Model (W) (α)
ATFA 0065 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

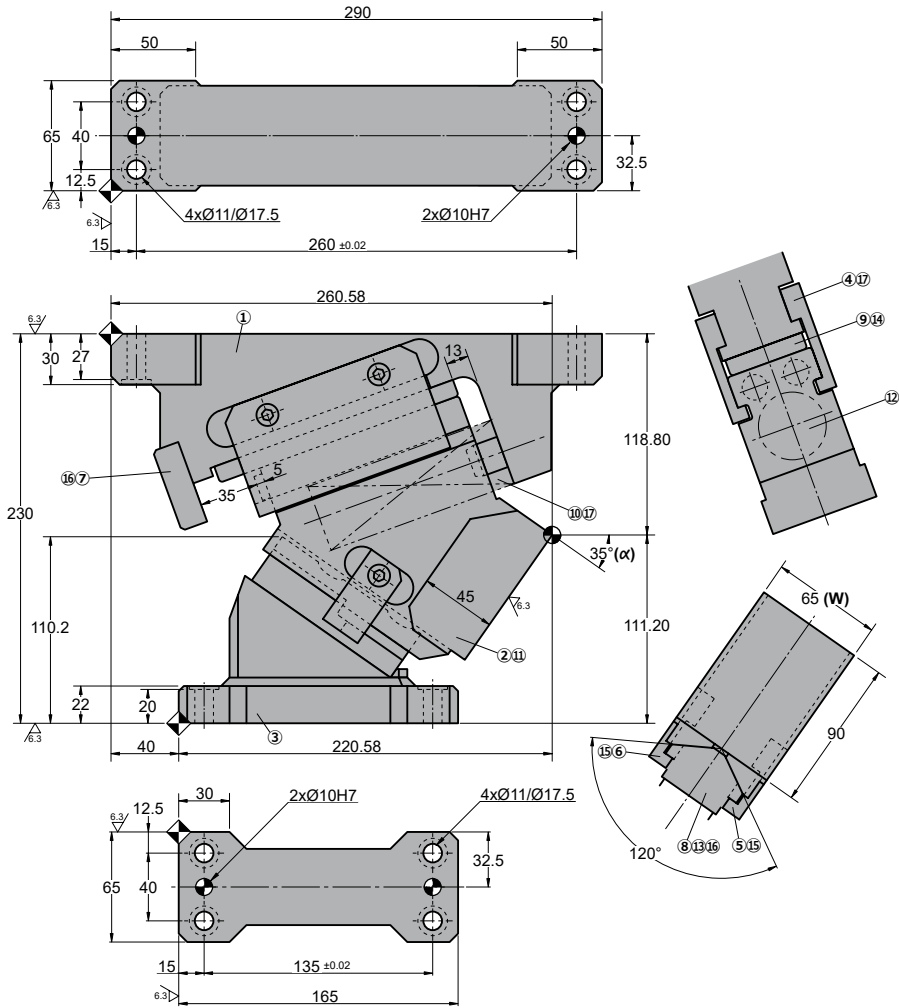
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

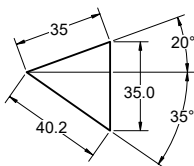
Aerial cam for pierce

**AZOL
GAS** 

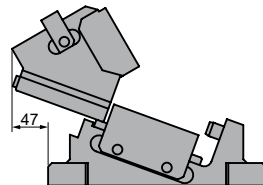
ATFA 0065 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
40.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.0	ATFA	0065	35



Order: Model (W) (α)

ATFA 0065 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

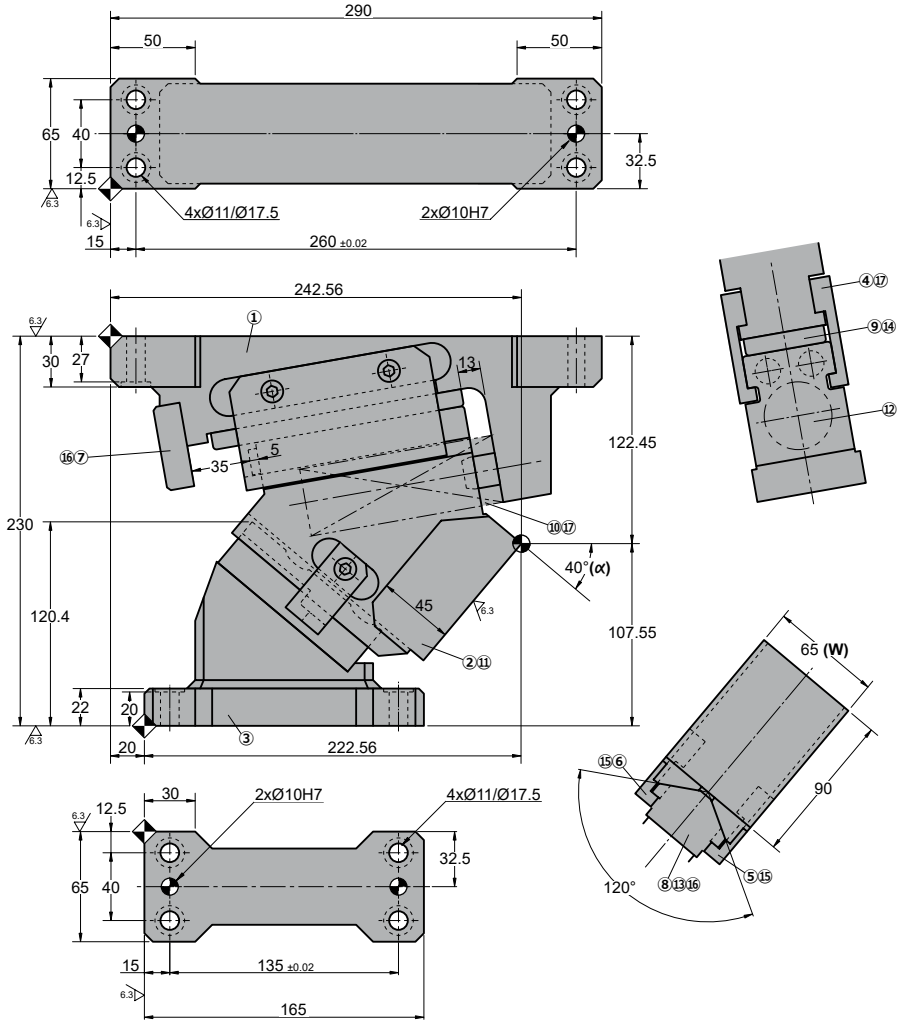
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

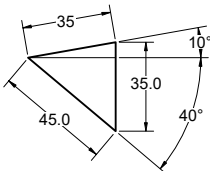
Aerial cam for pierce

**AZOL
GAS** 

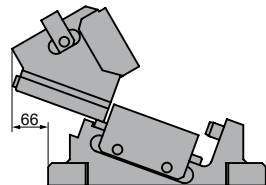
ATFA 0065 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.4	ATFA	0065	40


Order: Model (W) (α)
ATFA 0065 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

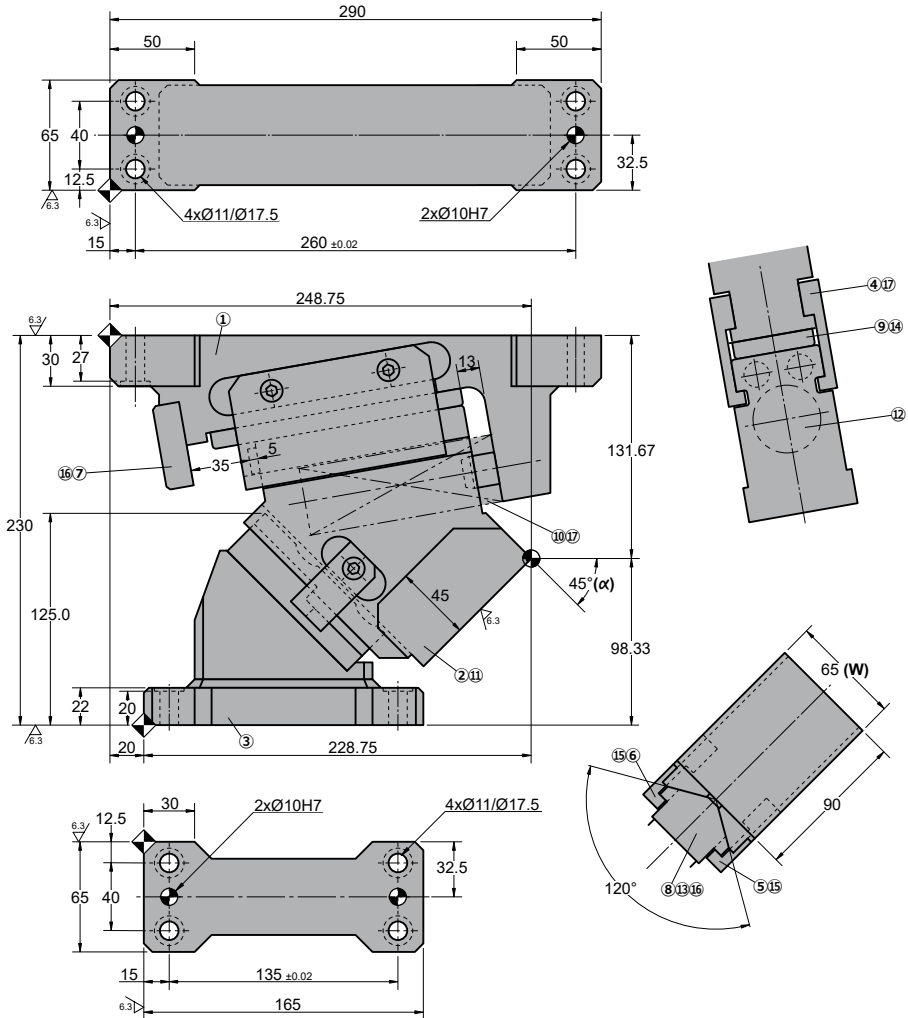
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

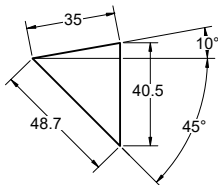
Aerial cam for pierce

**AZOL
GAS** 

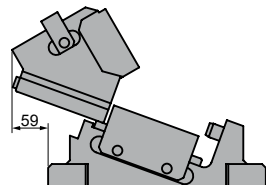
ATFA 0065 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
48.7	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.6	ATFA	0065	45


Order: Model (W) (α)
ATFA 0065 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

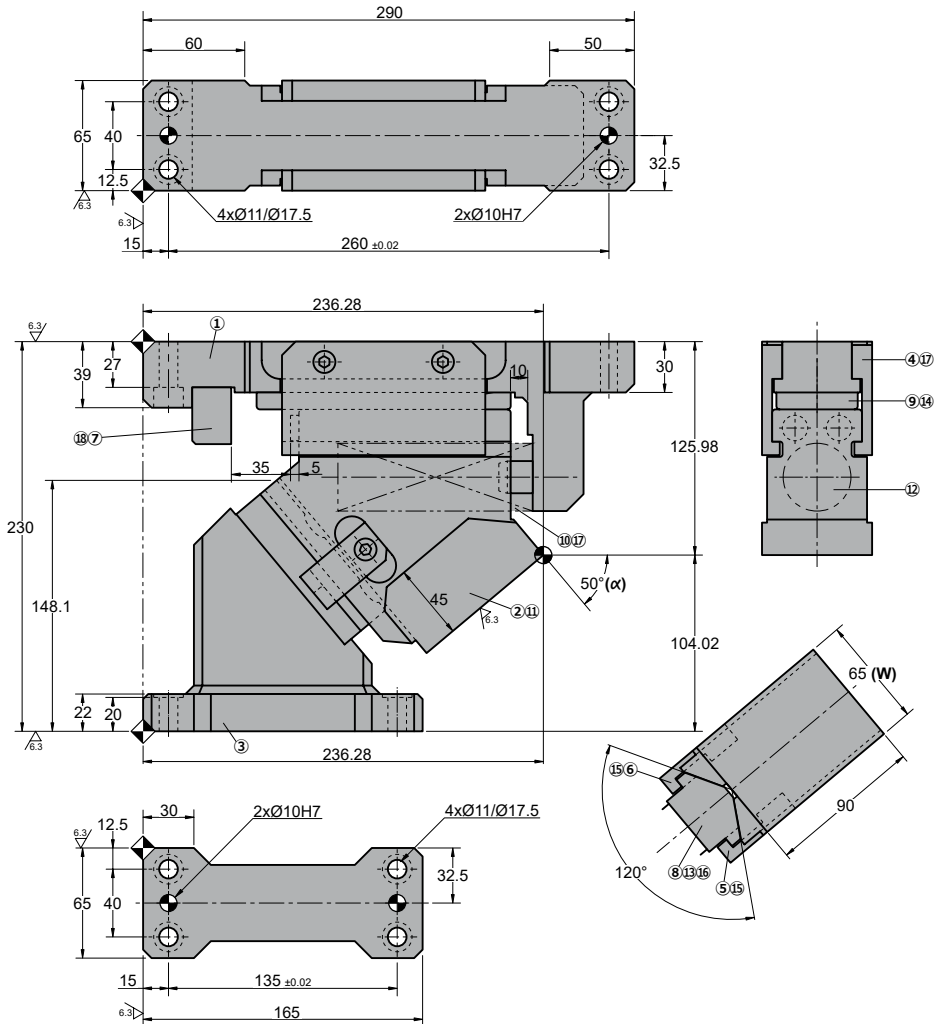
No.	Description	Qty.	Material
⑮	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

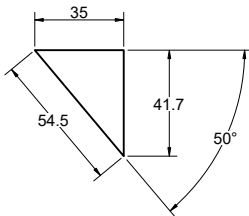
Aerial cam for pierce

AZOL
GAS

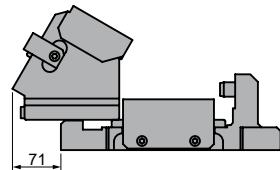
ATFA 0065 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
54.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	15.9	ATFA	0065	50


Order: Model (W) (α)
ATFA 0065 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

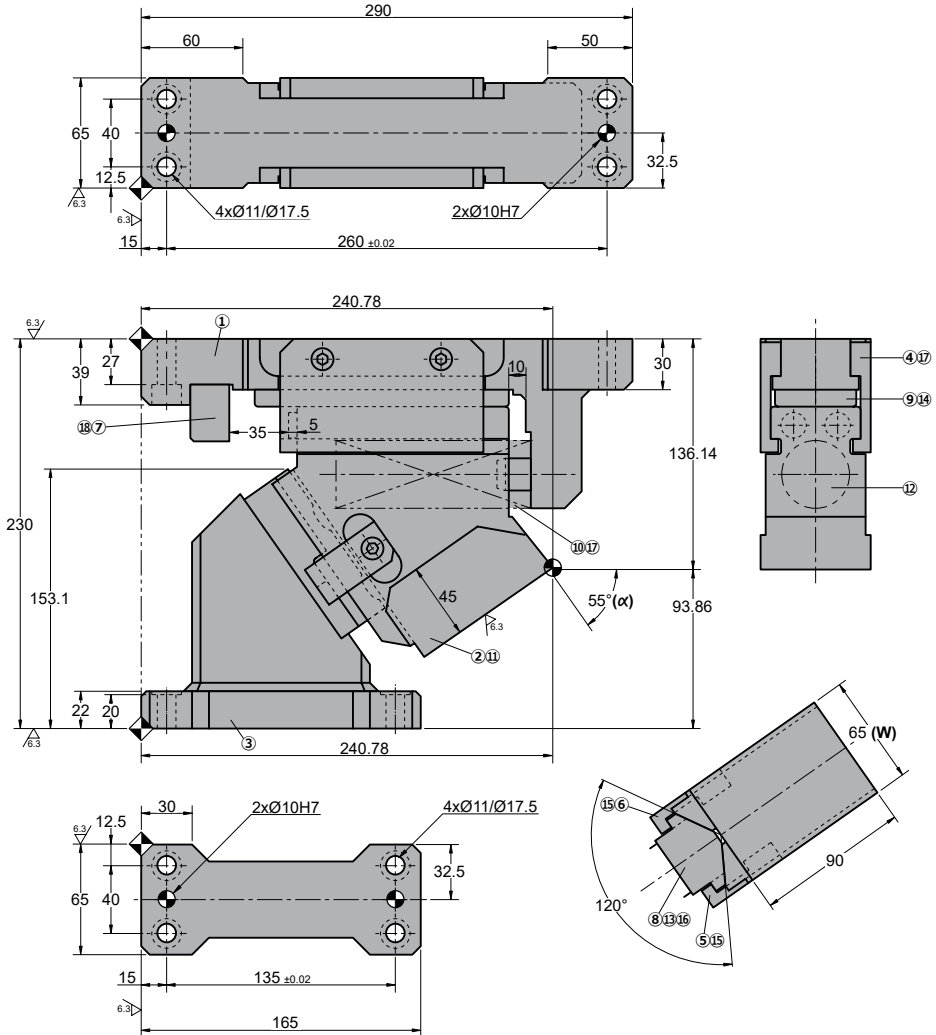
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

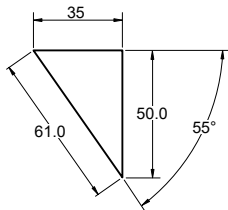
Aerial cam for pierce

**AZOL
GAS**

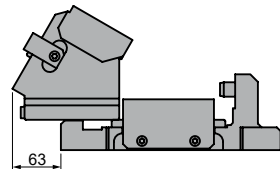
ATFA 0065 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
61.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.1	ATFA	0065	55



Order: Model (W) (α)

ATFA 0065 55

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

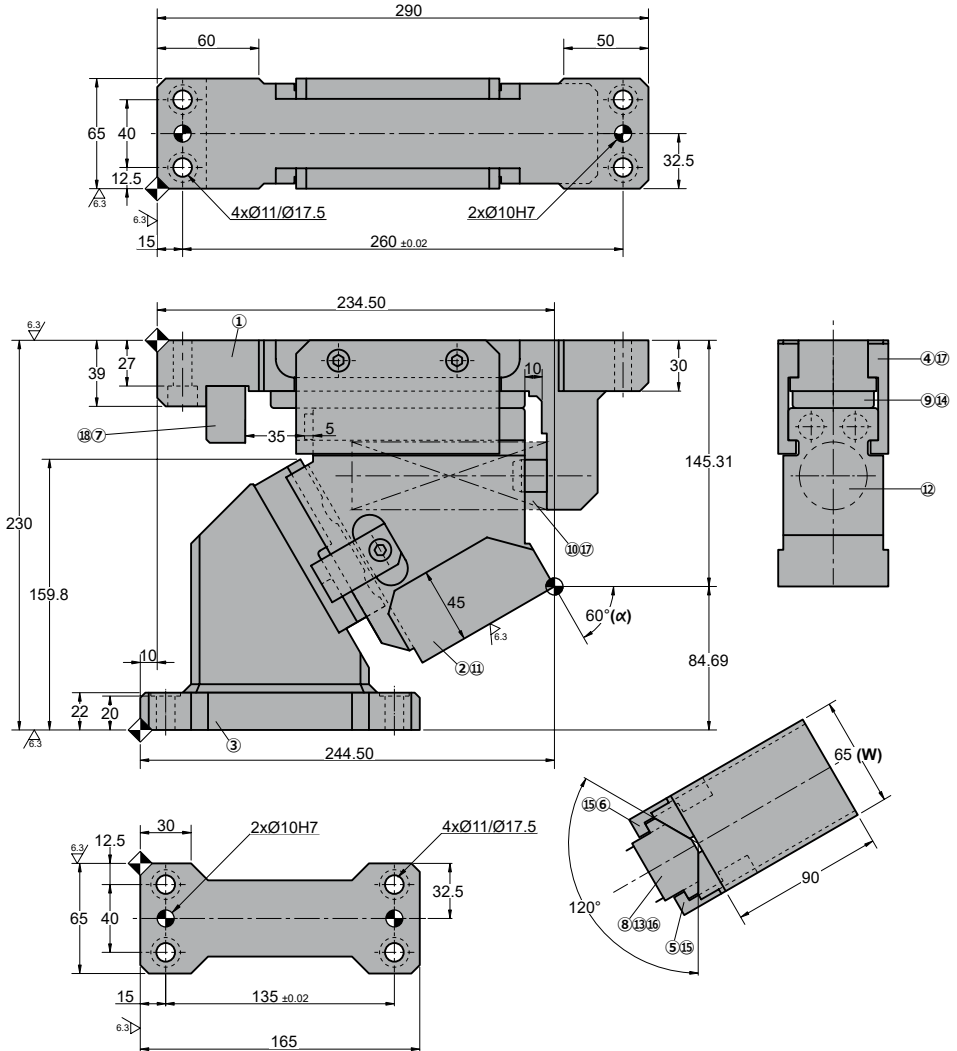
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

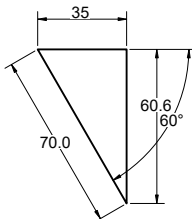
Aerial cam for pierce

AZOL
GAS

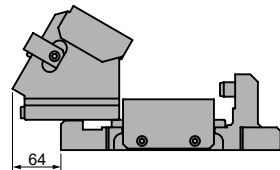
ATFA 0065 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.4	ATFA	0065	60



Order: Model (W) (α)

ATFA 0065 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

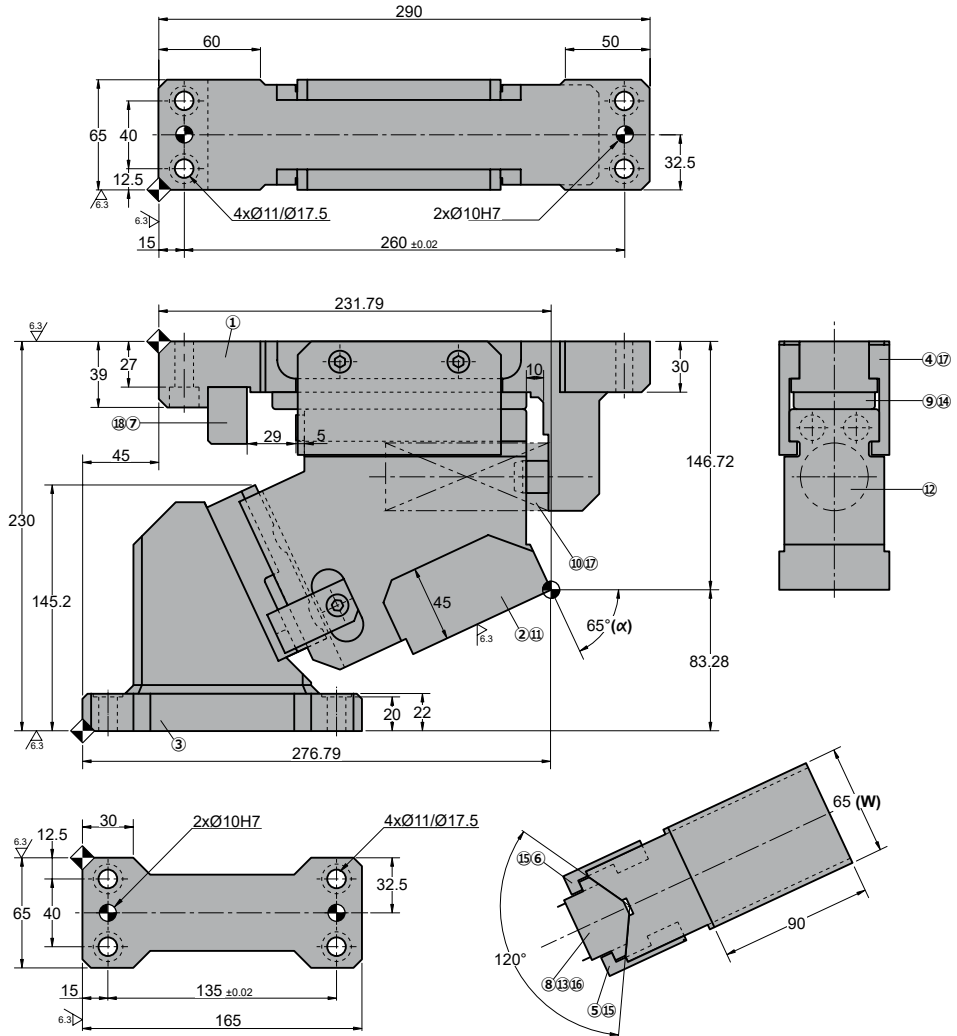
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

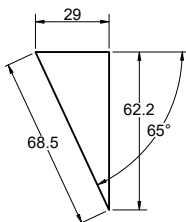
Aerial cam for pierce

AZOL
GAS

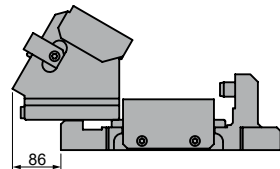
ATFA 0065 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
68.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5936.3 (605.3)	18.0	ATFA	0065	65


Order: Model (W) (α)
ATFA 0065 65

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

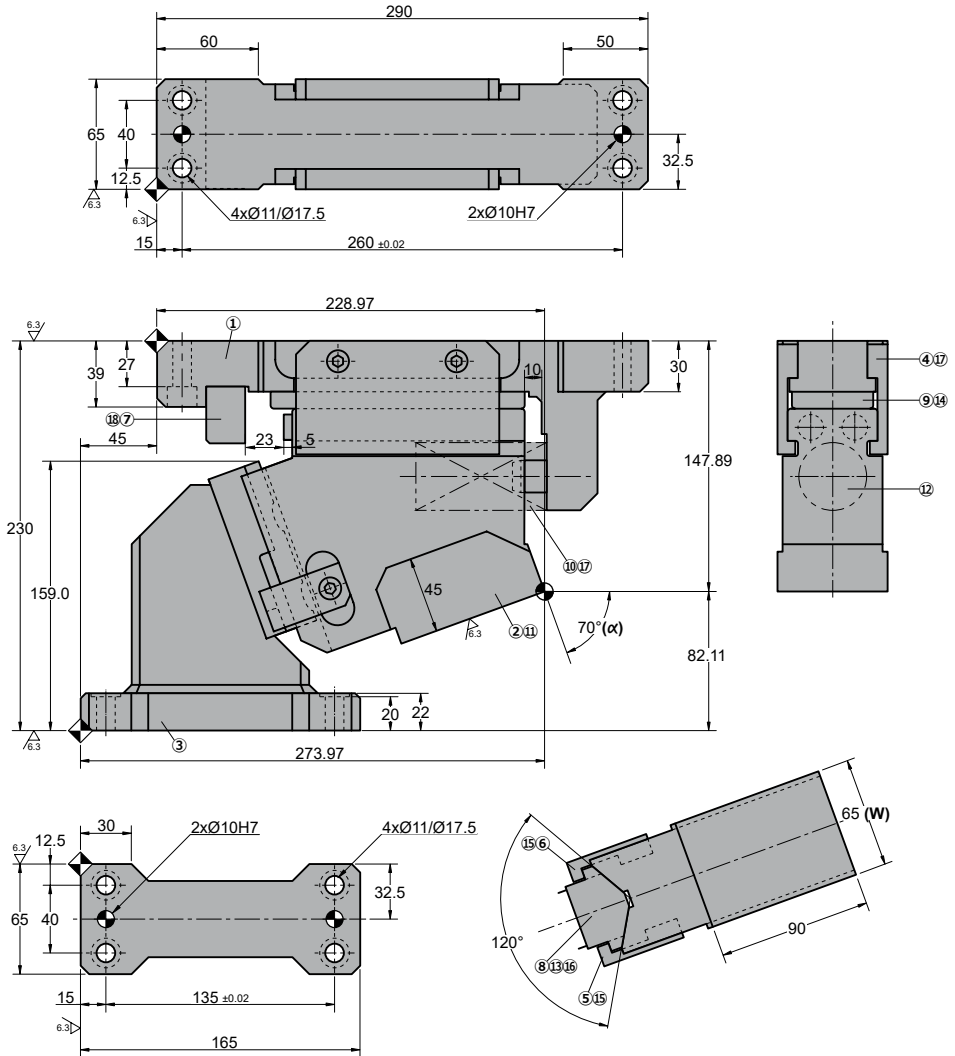
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-127
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

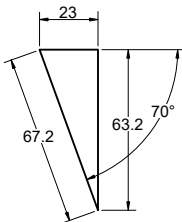
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

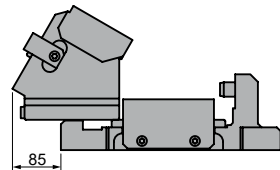
Aerial cam for pierce

**AZOL
GAS** **ATFA 0065 70**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
67.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5862.7 (597.8)	18.0	ATFA	0065	70



Order: Model (W) (α)

ATFA 0065 70

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

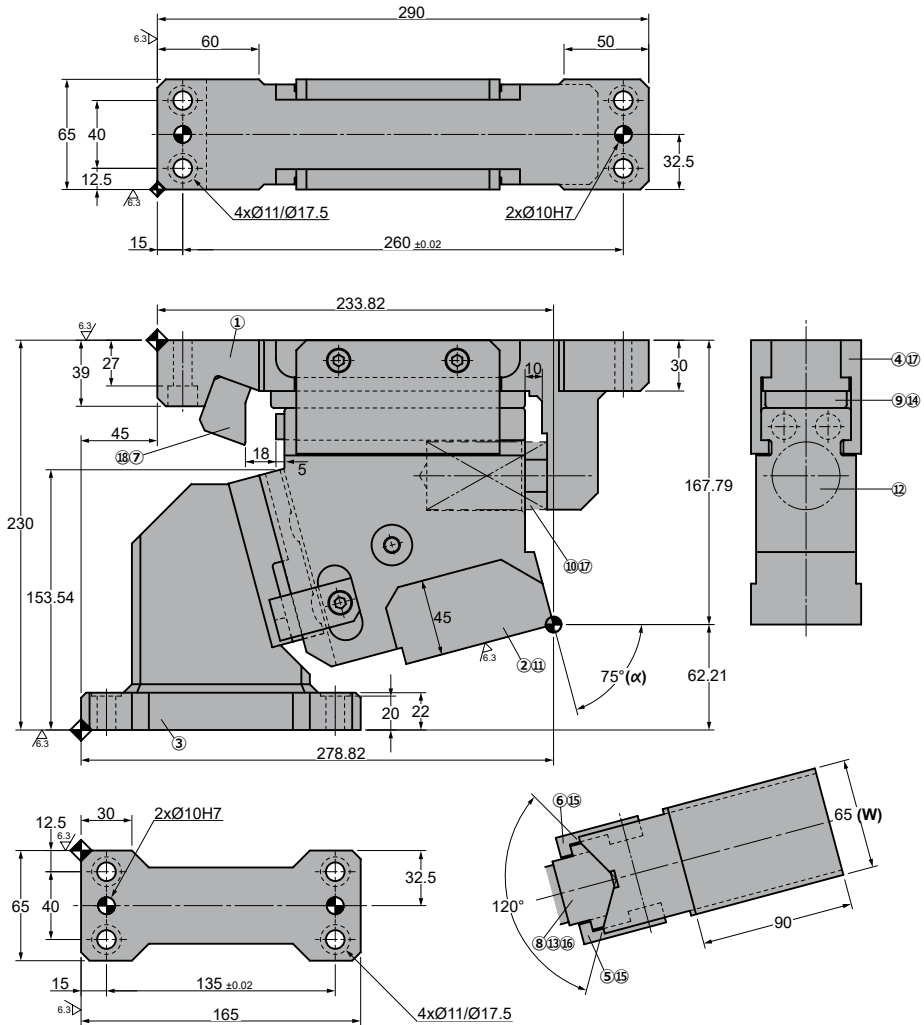
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-102
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

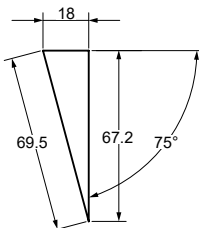
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

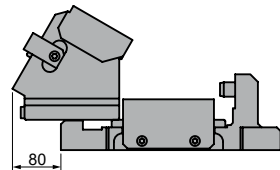
Aerial cam for pierce

**AZOL
GAS** **ATFA 0065 75**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
69.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5257.8 (536.1)	20.0	ATFA	0065	75



Order: Model (W) (α)

ATFA 0065 75

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-89
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

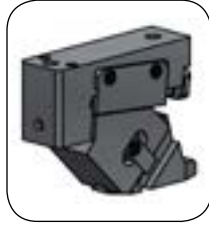
ATFA 0065



Aerial cam for pierce



General information



ASDR 0052

- Aerial cam.
- Angles from 0° to 50° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Compact design.
- Longer stroke than ATFA 52.

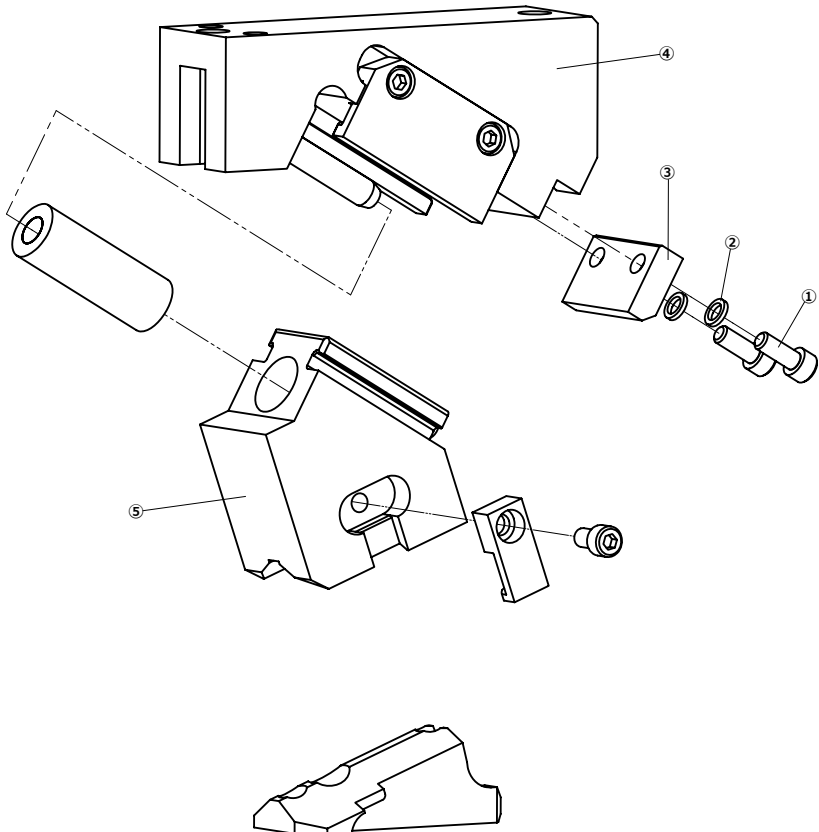
Assembling and disassembling

Disassembling process

- Unscrew ① pieces with washers ② and then stopper plate ③.
- Remove cam slider ⑤ from cam support ④.

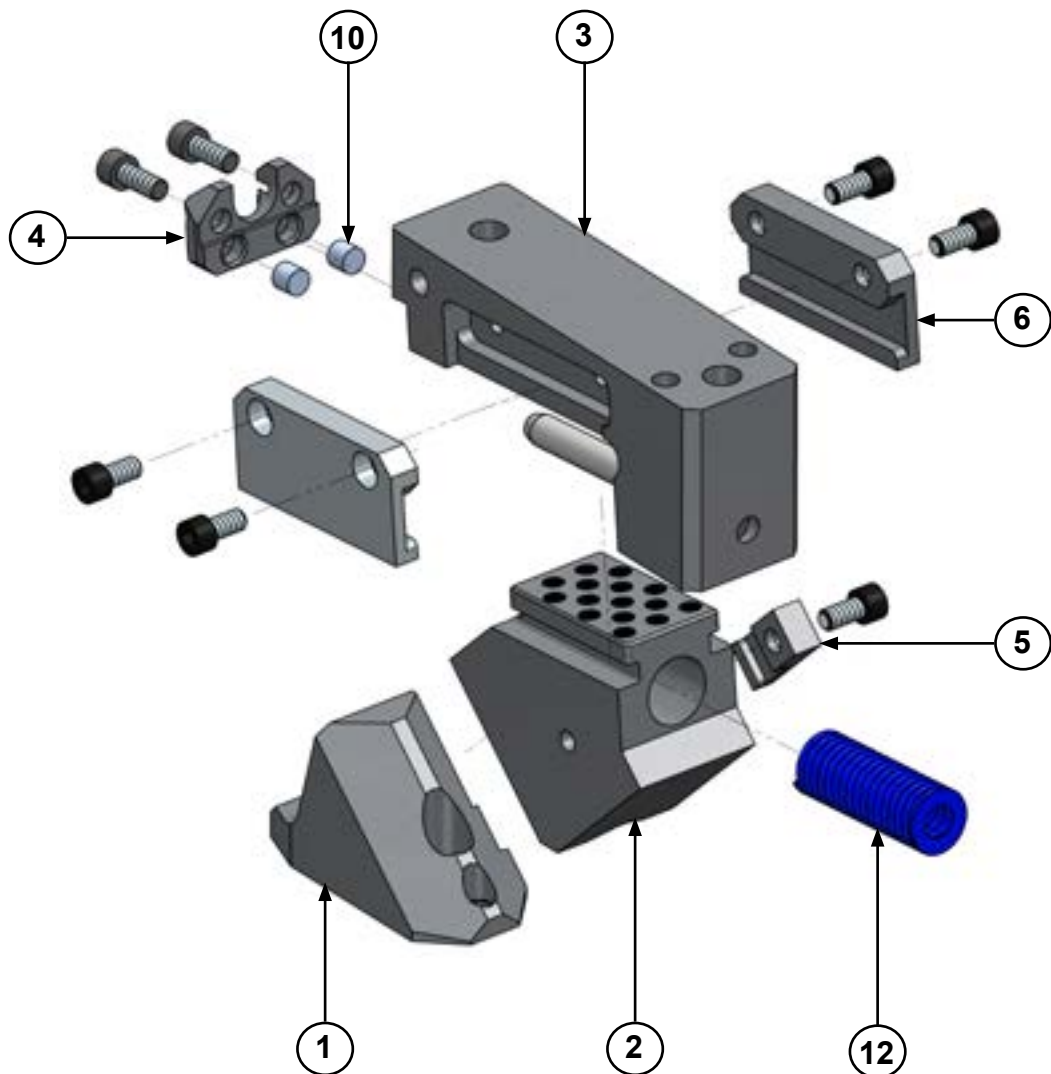
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ASDR 0052

Aerial cam for pierce

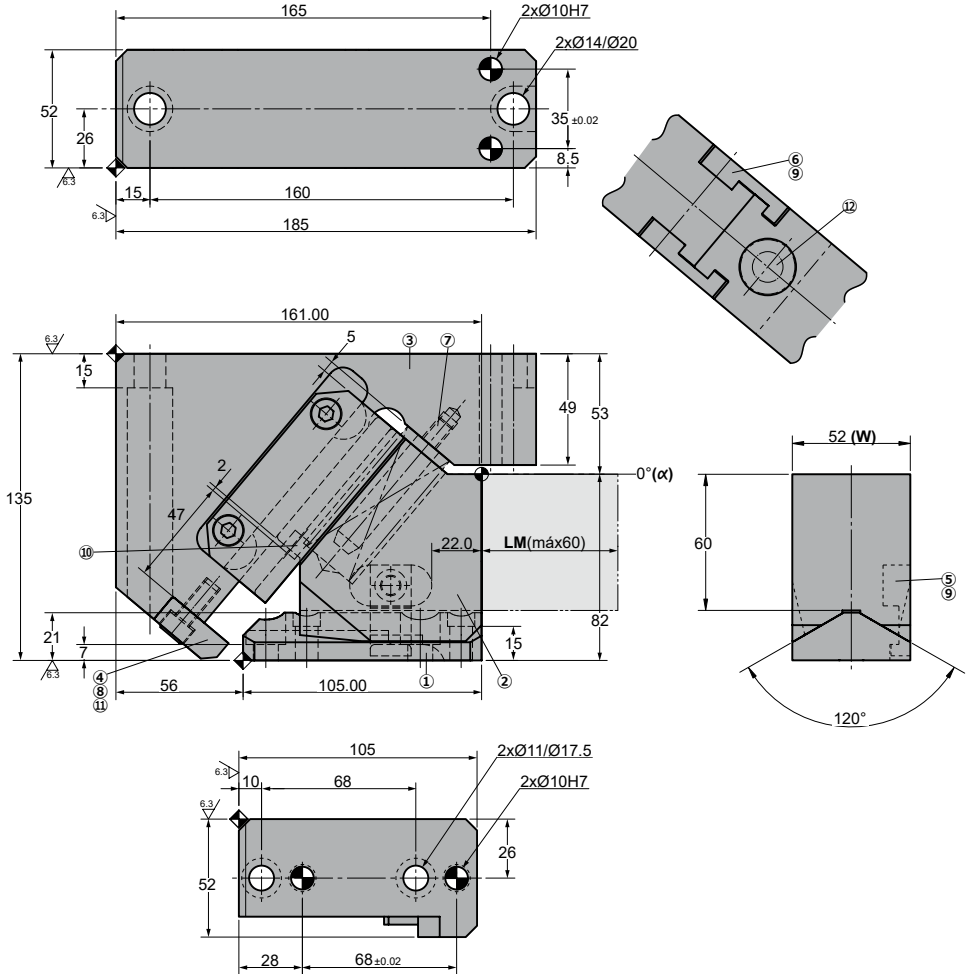


ASDR 0052

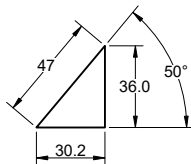
Aerial cam for pierce



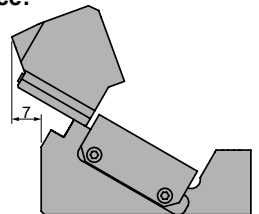
ASDR 0052 00



◦Cam diagram:



◦Desassembling space:





ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.2	14.7 (1.5)	29.4 (3.0)	0	901.6 (91.9)	6.4	ASDR	0052	00



Order: Model (W) (α)

ASDR 0052 00

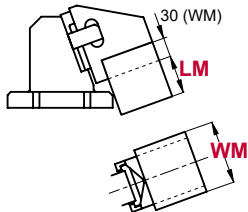
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65m. f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 00-LM35

ASDR 0052 00-WM

ASDR 0052 00-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

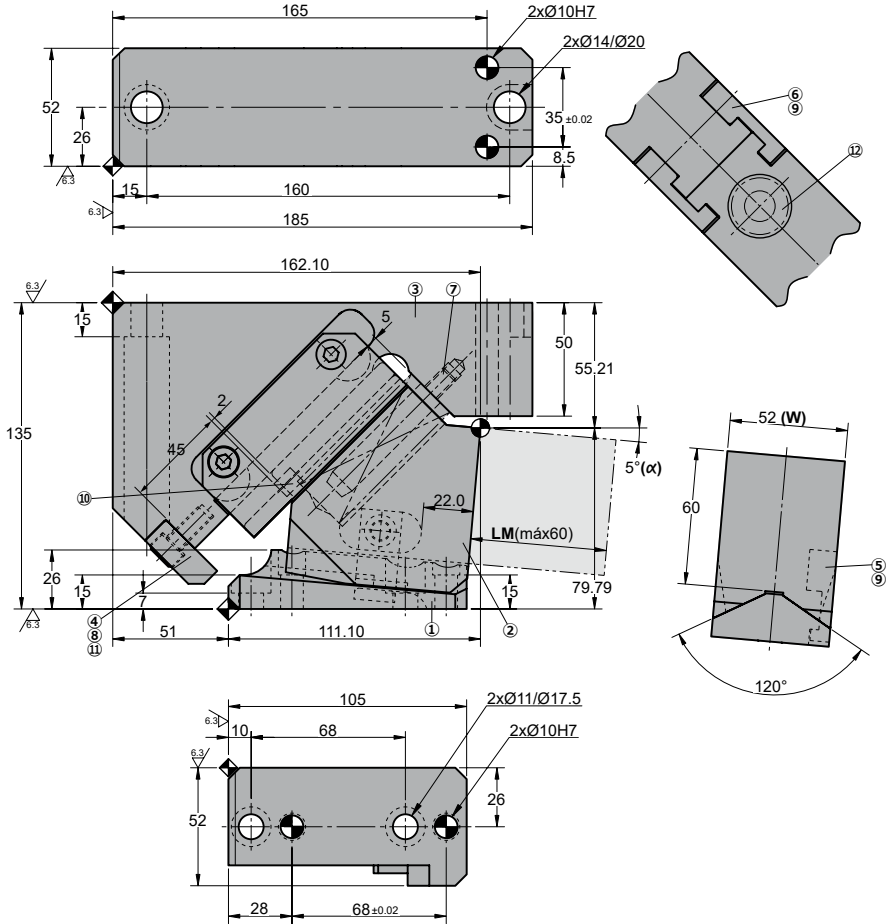
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

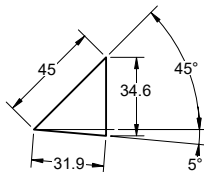
Aerial cam for pierce

AZOL
GAS

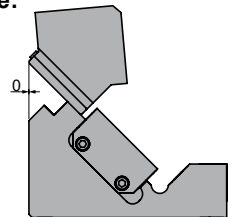
ASDR 0052 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
31.9	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	6.1	ASDR	0052	05



Order: Model (W) (α)

ASDR 0052 05

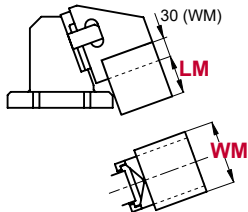
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65m. f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 05-LM35

ASDR 0052 05-WM

ASDR 0052 05-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

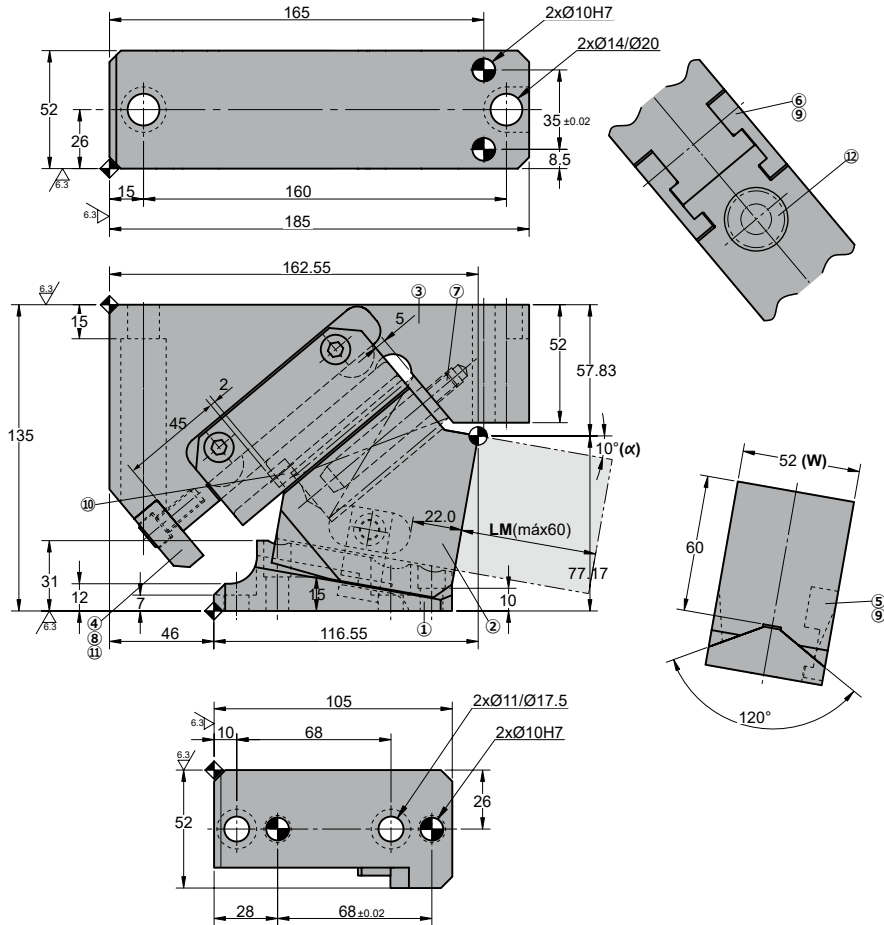
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

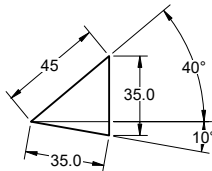
Aerial cam for pierce

**AZOL
GAS** 

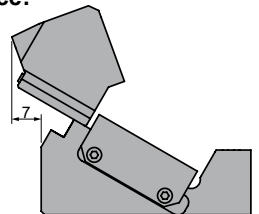
ASDR 0052 10



◦Cam diagram:



◦Desassembling space:





ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.0	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	6.0	ASDR	0052	10



Order: Model (W) (α)

ASDR 0052 10

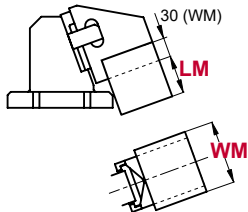
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65m. f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 10-LM35

ASDR 0052 10-WM

ASDR 0052 10-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

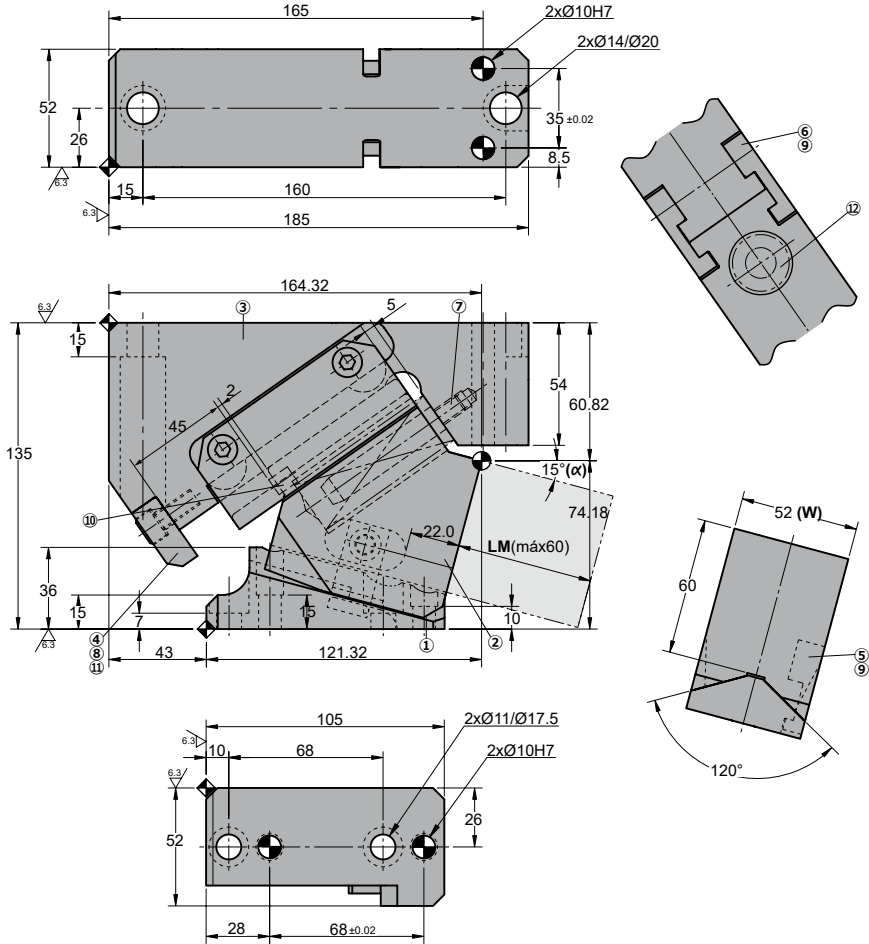
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

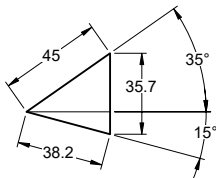
Aerial cam for pierce

**AZOL
GAS**

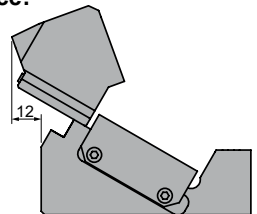
ASDR 0052 15



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.2	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.8	ASDR	0052	15



Order: Model (W) (α)

ASDR 0052 15

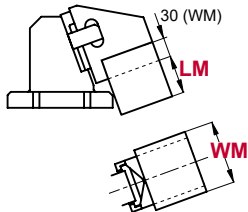
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65m. f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 15-LM35

ASDR 0052 15-WM

ASDR 0052 15-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

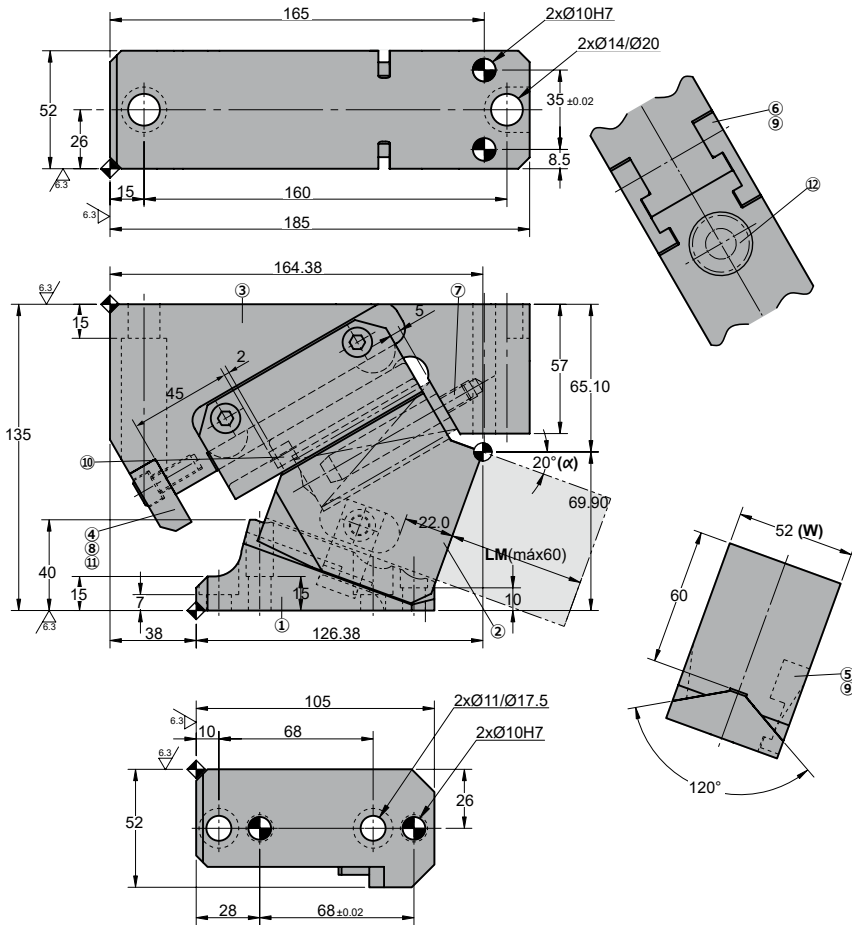
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

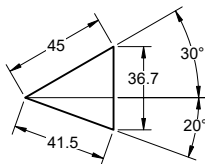
Aerial cam for pierce

**AZOL
GAS** 

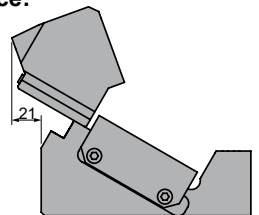
ASDR 0052 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
41.5	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.7	ASDR	0052	20



Order: Model (W) (α)

ASDR 0052 20

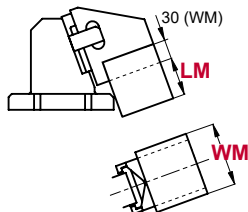
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 20-LM35

ASDR 0052 20-WM

ASDR 0052 20-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

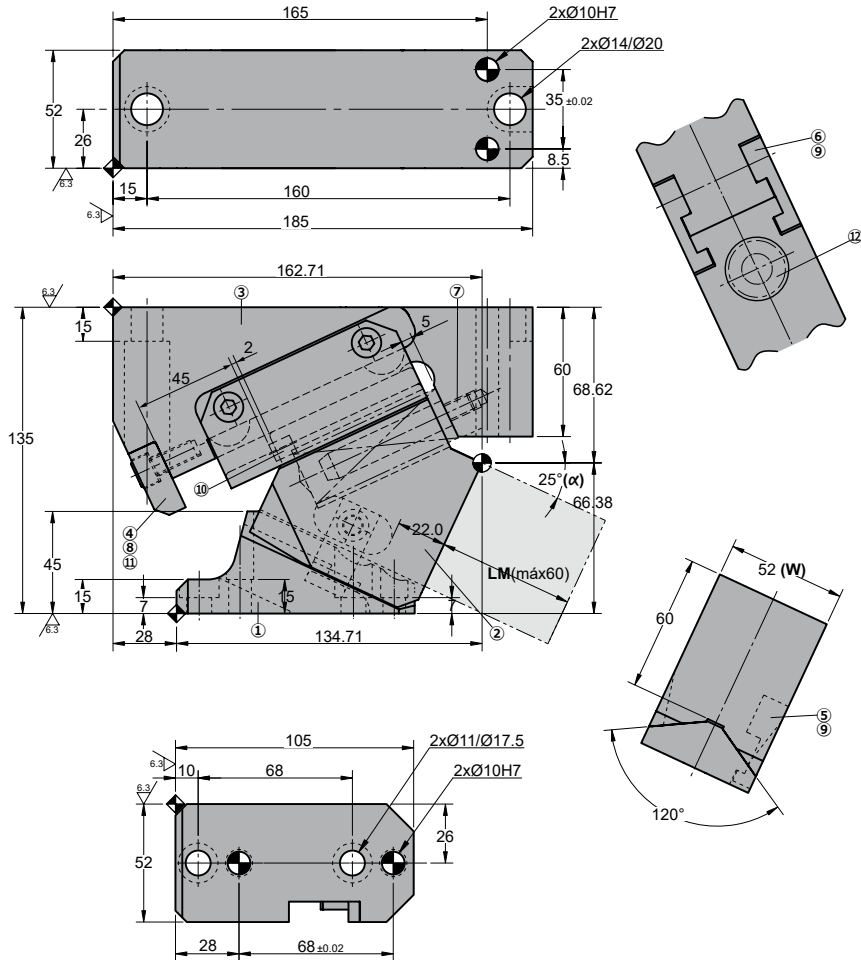
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

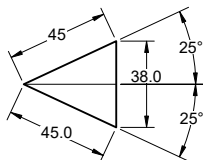
Aerial cam for pierce

**AZOL
GAS** 

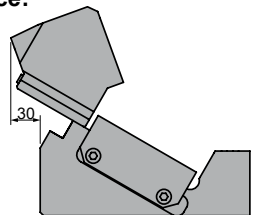
ASDR 0052 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.5	ASDR	0052	25



Order: Model (W) (α)

ASDR 0052 25

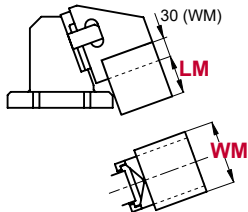
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65m. f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 25-LM35

ASDR 0052 25-WM

ASDR 0052 25-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

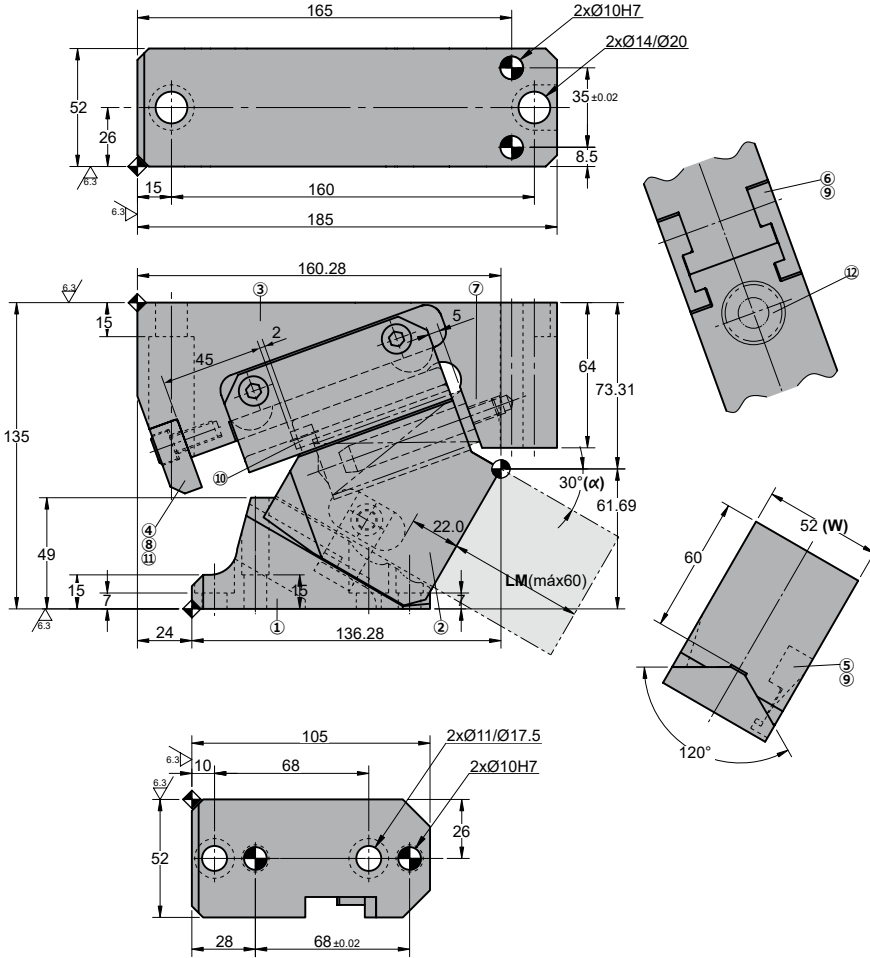
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

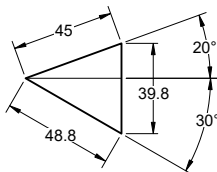
Aerial cam for pierce



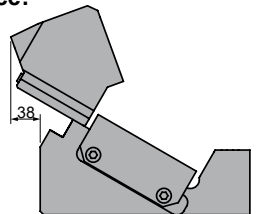
ASDR 0052 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
48.8	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.5	ASDR	0052	30



Order: Model (W) (α)

ASDR 0052 30

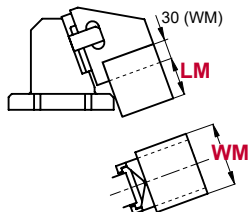
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65m. f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 30-LM35

ASDR 0052 30-WM

ASDR 0052 30-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

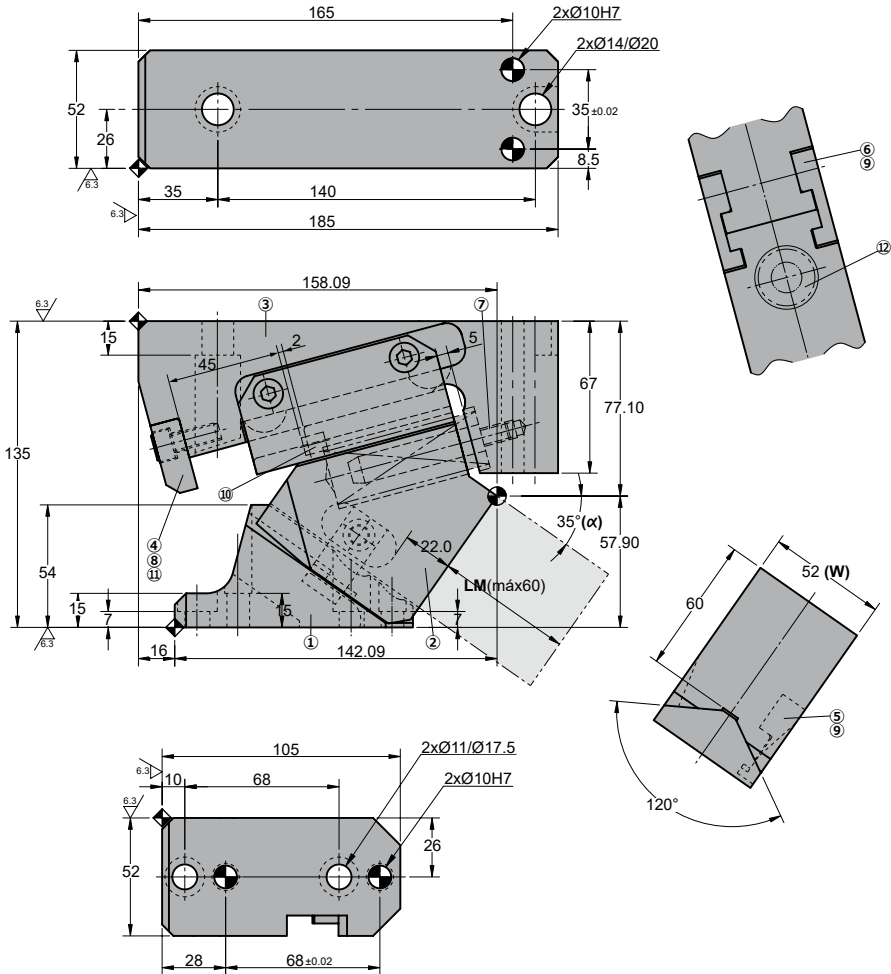
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

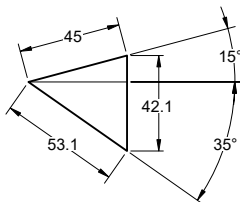
Aerial cam for pierce

**AZOL
GAS** 

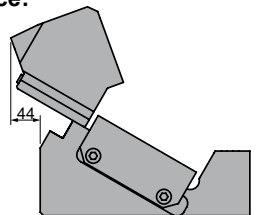
ASDR 0052 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
53.1	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.4	ASDR	0052	35



Order: Model (W) (α)

ASDR 0052 35

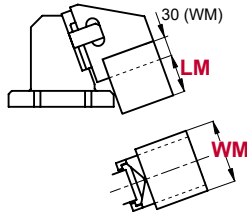
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 35-LM35

ASDR 0052 35-WM

ASDR 0052 35-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

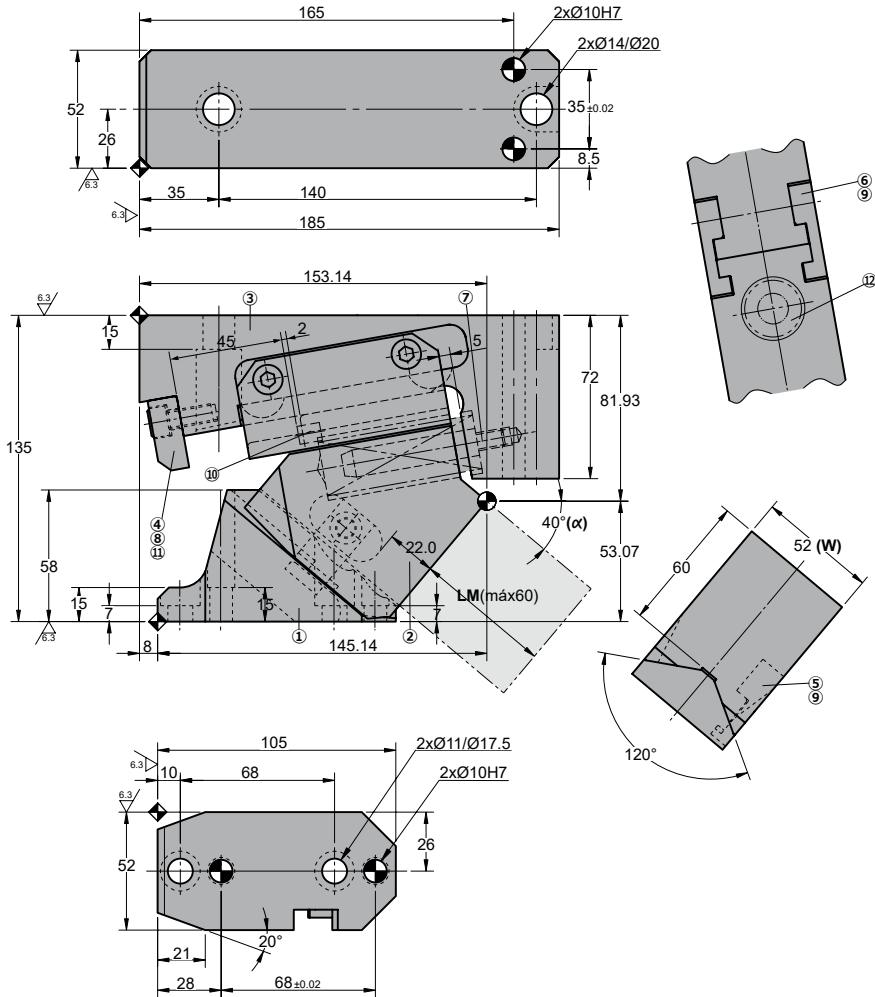
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

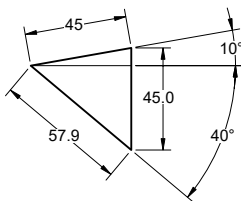
Aerial cam for pierce

**AZOL
GAS** 

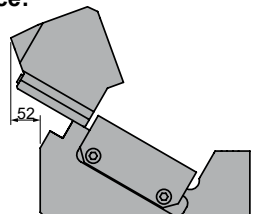
ASDR 0052 40



◦Cam diagram:



◦Desassembling space:





ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
57.9	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.5	ASDR	0052	40



Order: Model (W) (α)

ASDR 0052 40

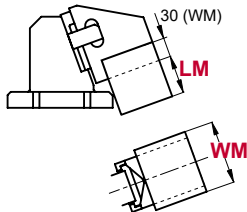
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65m. f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 40-LM35

ASDR 0052 40-WM

ASDR 0052 40-LM35-WM



SPARE PARTS:

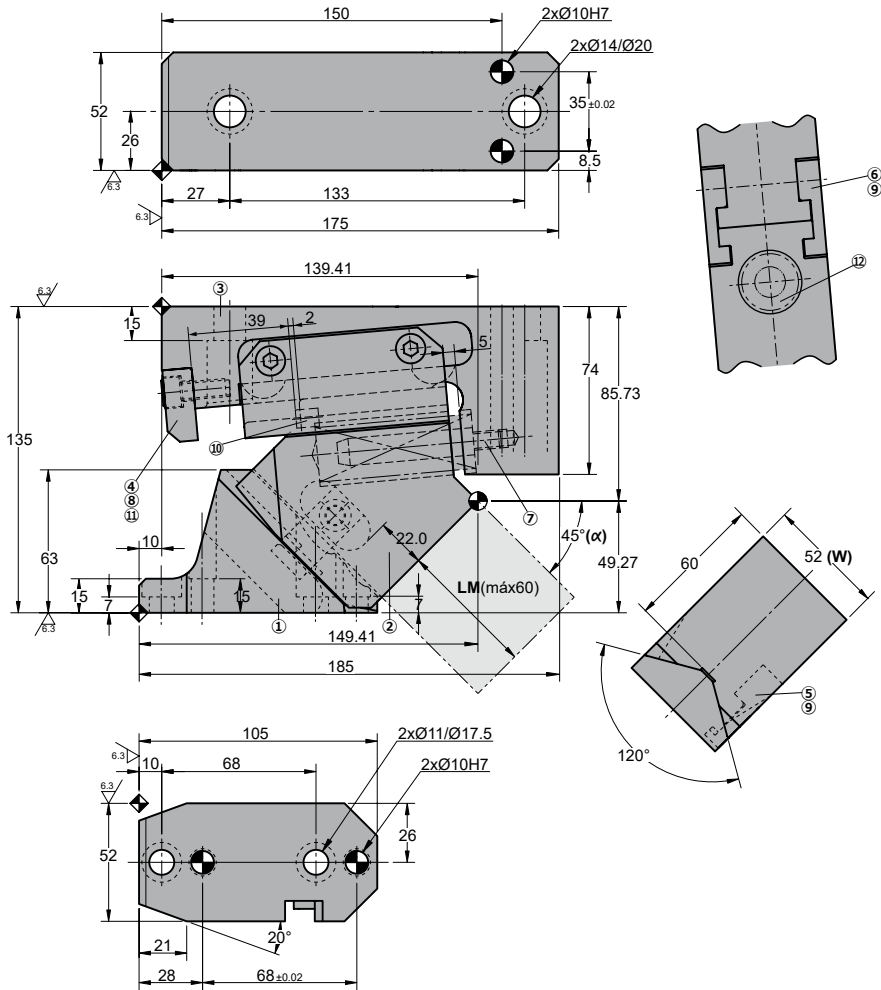
⑫ Coil Spring

COMPONENTS

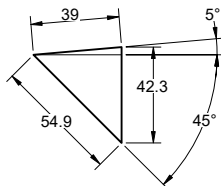
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

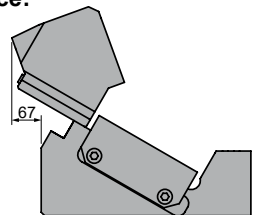
Aerial cam for pierce

**AZOL
GAS** **ASDR 0052 45**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
54.9	14.7 (1.5)	29.4 (3.0)	137.2 (14.0)	901.6 (91.9)	5.3	ASDR	0052	45



Order: Model (W) (α)

ASDR 0052 45

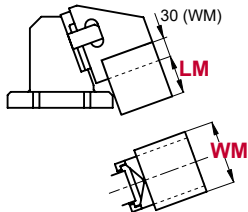
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65m. f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 45-LM35

ASDR 0052 45-WM

ASDR 0052 45-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

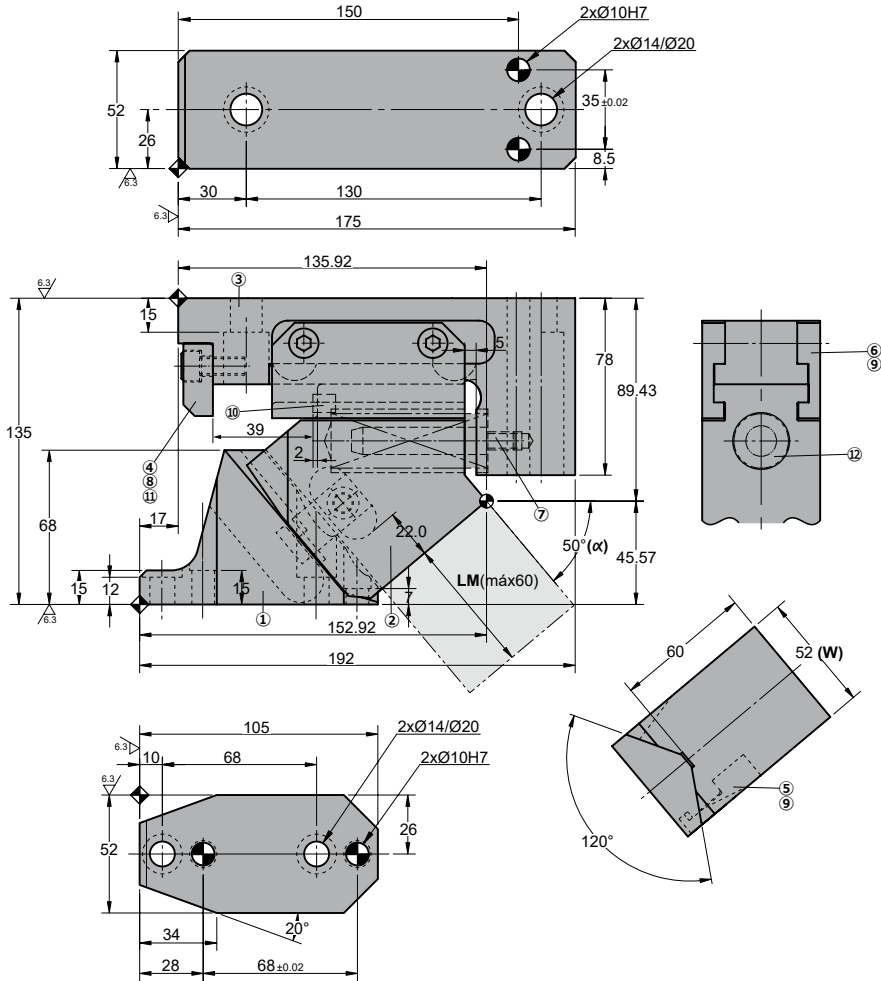
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

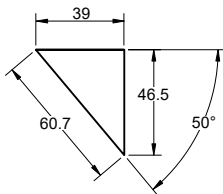
Aerial cam for pierce

**AZOL
GAS** 

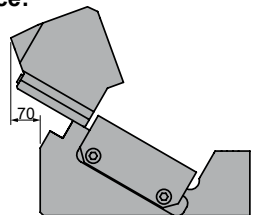
ASDR 0052 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.7	14.7 (1.5)	29.4 (3.0)	137.2 (14.0)	901.6 (91.9)	5.4	ASDR	0052	50



Order: Model (W) (α)

ASDR 0052 50

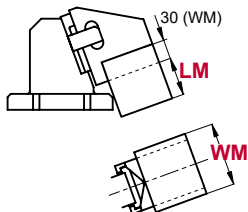
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: Model (W) (α)-Option



ASDR 0052 50-LM35

ASDR 0052 50-WM

ASDR 0052 50-LM35-WM



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052



Aerial cam for pierce

General information



ACDS 0052

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- High return force for extraction.
- Extensible mount length.

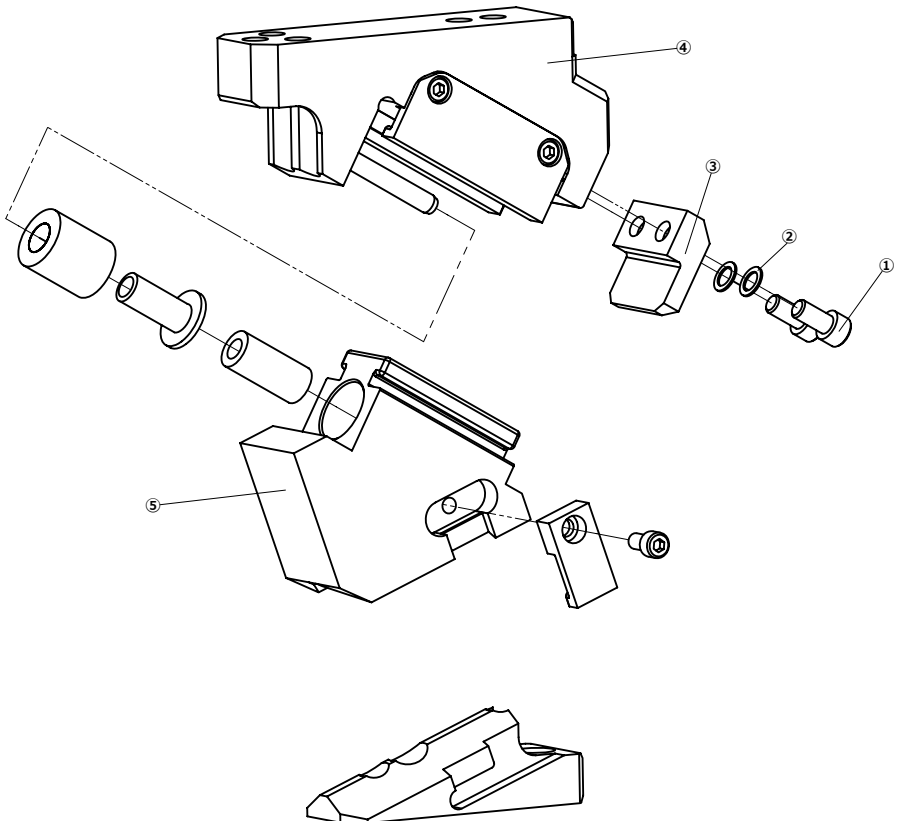
Assembling and disassembling

Disassembling process

- Unscrew ① pieces with washers ② and then stopper plate ③.
- Remove cam slider ⑤ from cam support ④.

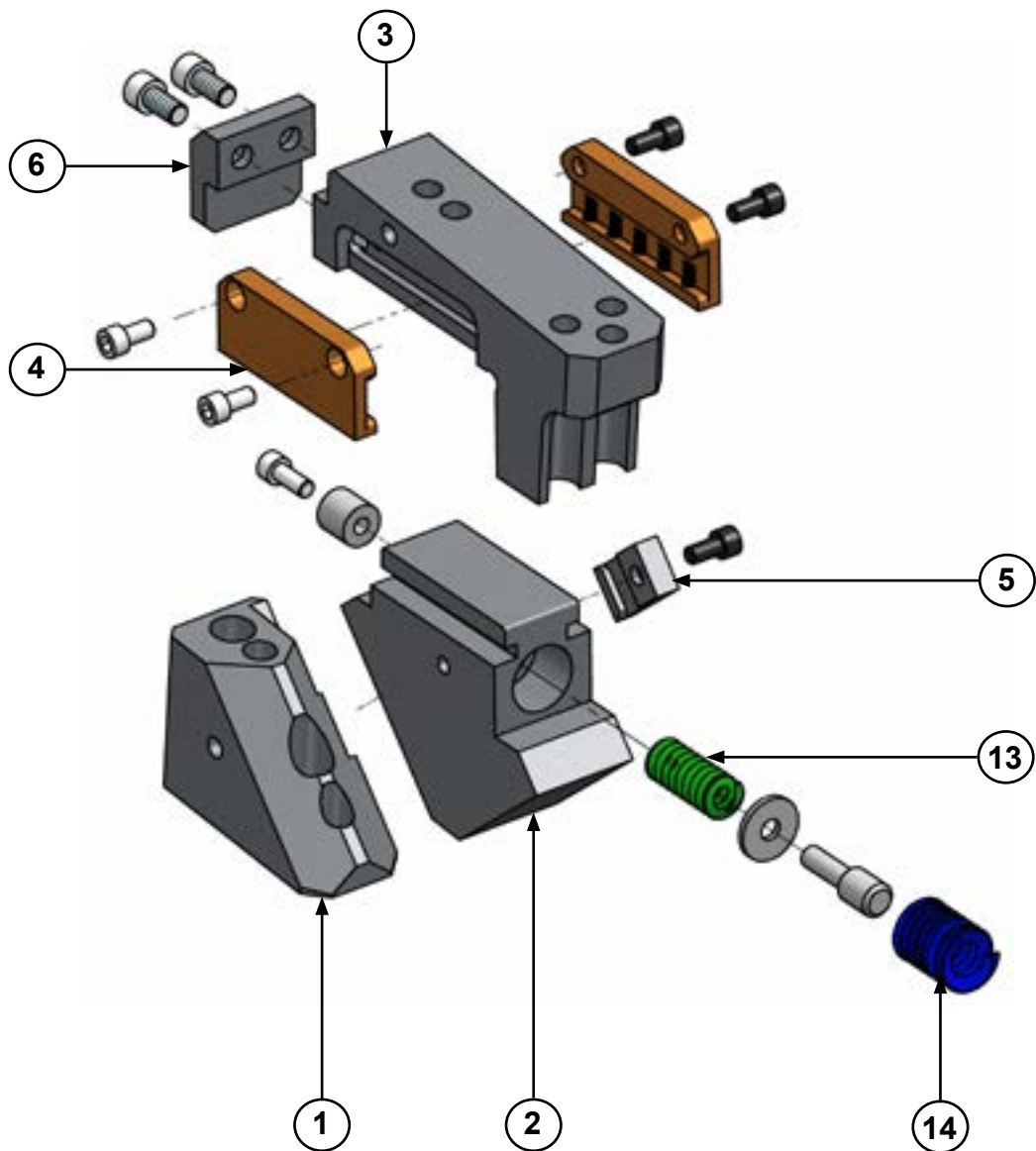
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ACDS 0052

Aerial cam for pierce

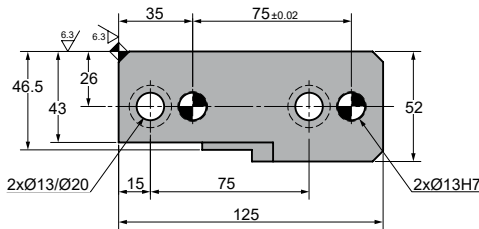
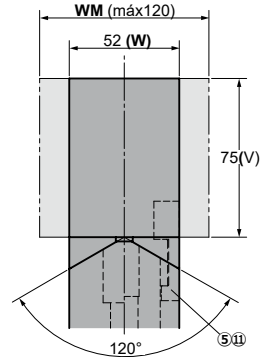
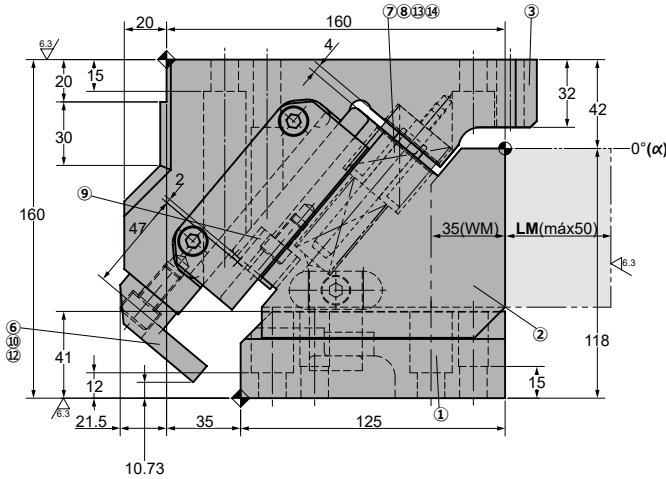
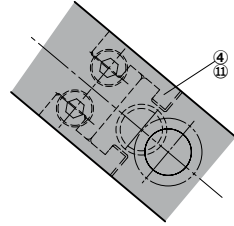
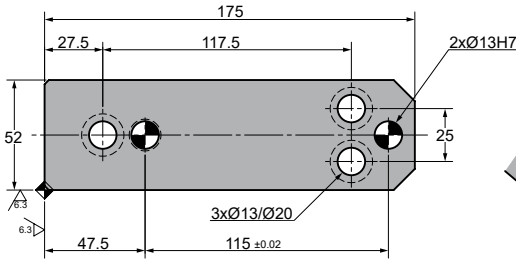


ACDS 0052

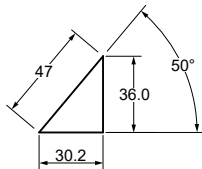
Aerial cam for pierce



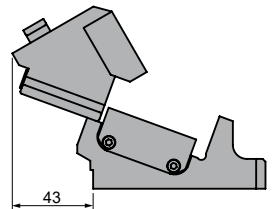
ACDS 0052 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.2	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.8	ACDS	0052	00



Order: Model (W) (α)

ACDS 0052 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

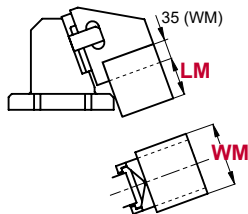


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ACDS 0052 00-P12

ACDS 0052 00-LM30-WM120



SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

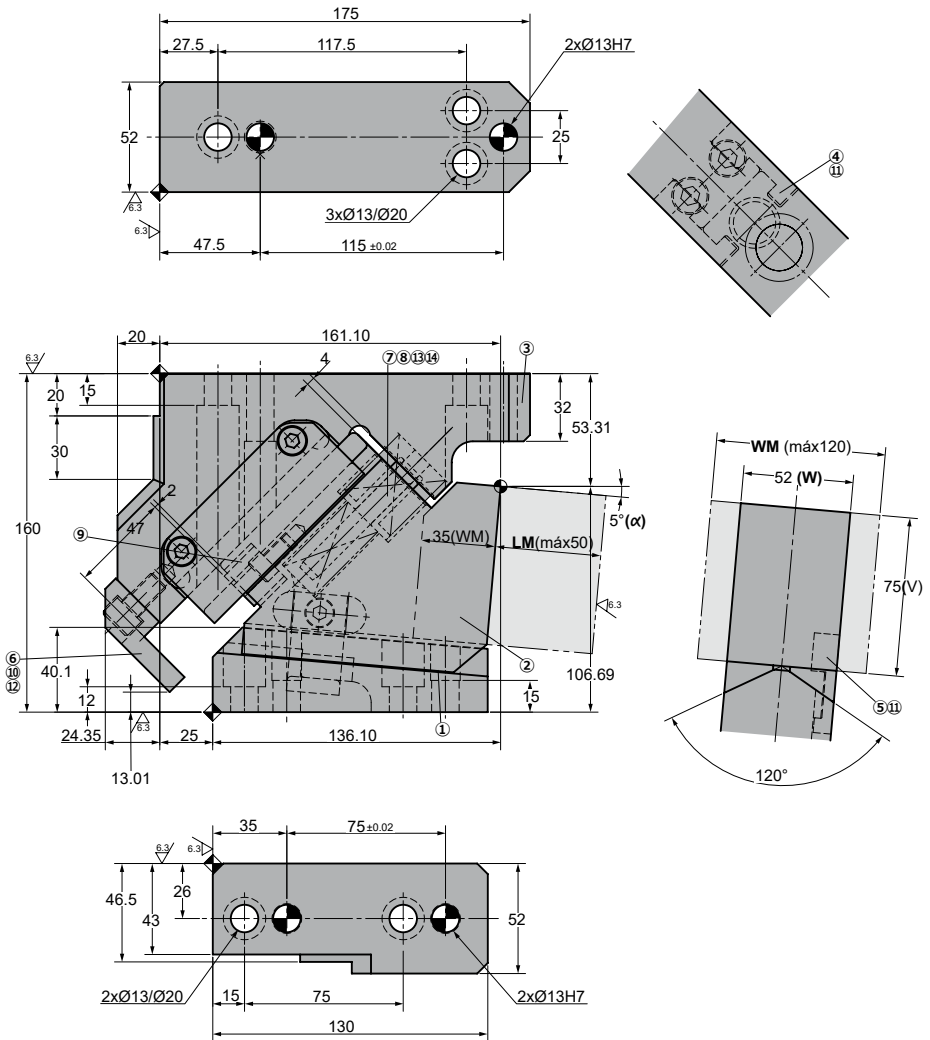
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

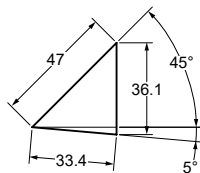
Aerial cam for pierce

**AZOL
GAS**

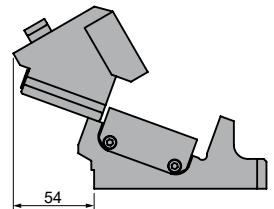
ACDS 0052 05



◦Cam diagram:



◦Desassembling space:



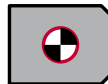
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.4	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.6	ACDS	0052	05


Order: Model (W) (α)
ACDS 0052 05

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

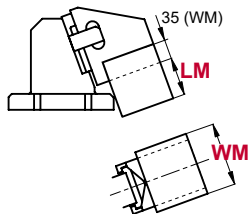
P PINS


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
 f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
 f.e. WM120



Order Options: Model (W) (α)-Option


ACDS 0052 05-P12
ACDS 0052 05-LM30-WM120


SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

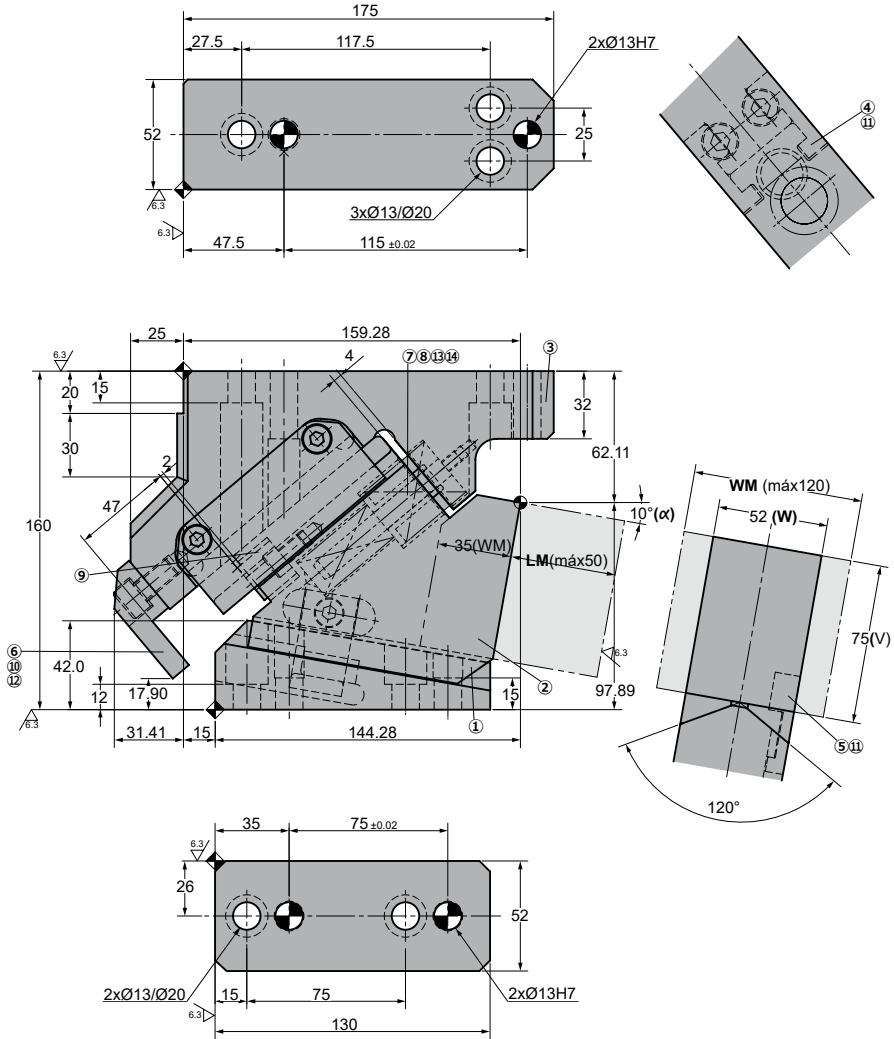
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

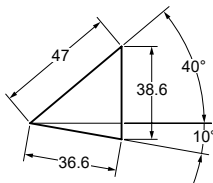
Aerial cam for pierce

**AZOL
GAS** 

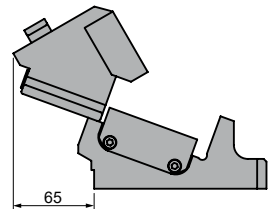
ACDS 0052 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
36.6	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.7	ACDS	0052	10



Order: Model (W) (α)

ACDS 0052 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

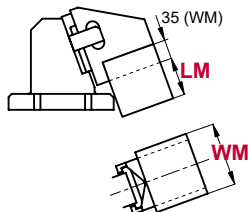


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ACDS 0052 10-P12

ACDS 0052 10-LM30-WM120



SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

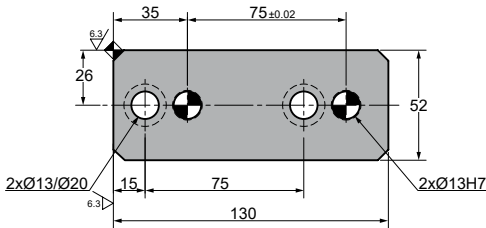
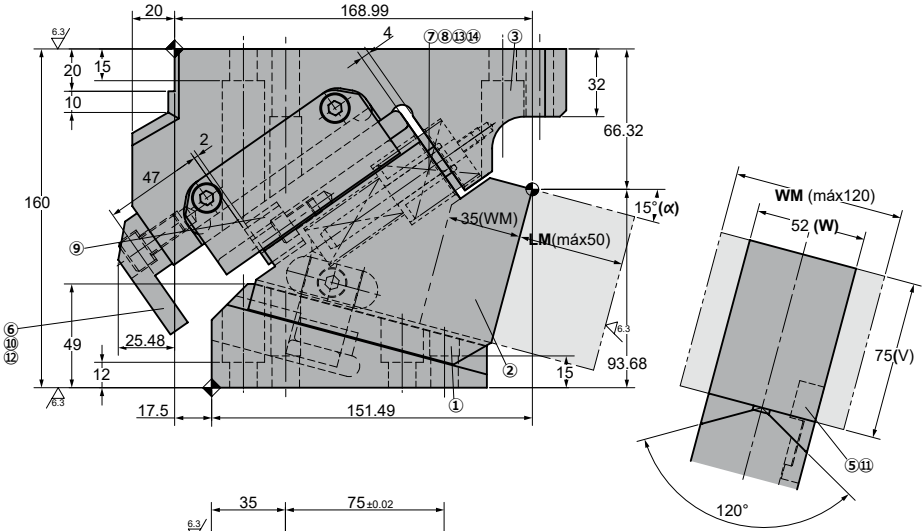
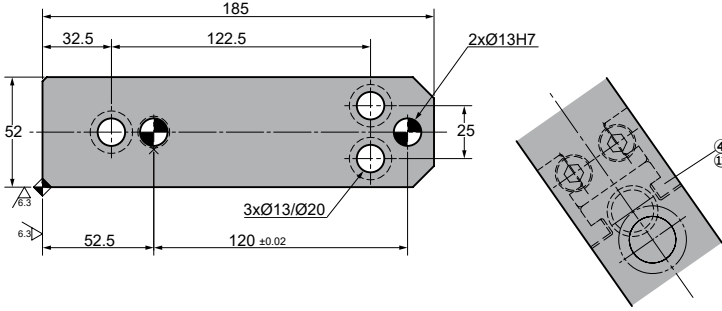
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

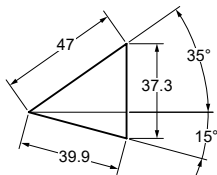
Aerial cam for pierce



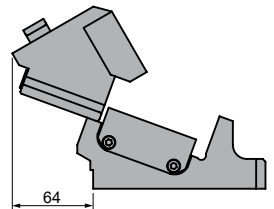
ACDS 0052 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.9	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	9.0	ACDS	0052	15



Order: Model (W) (α)

ACDS 0052 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

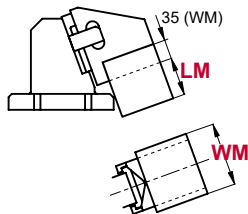


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ACDS 0052 15-P12

ACDS 0052 15-LM30-WM120



SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

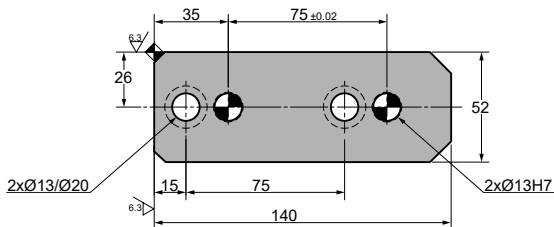
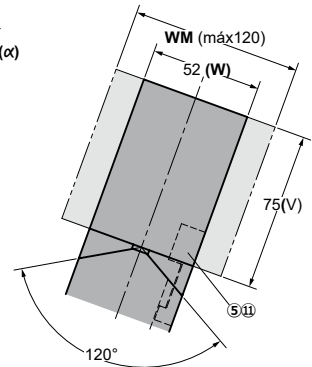
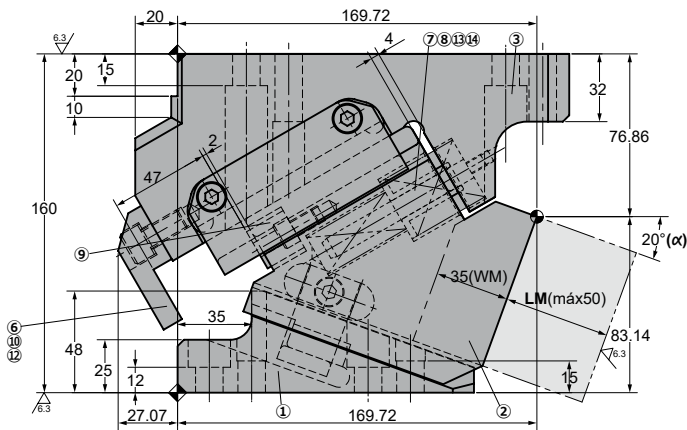
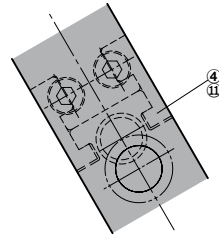
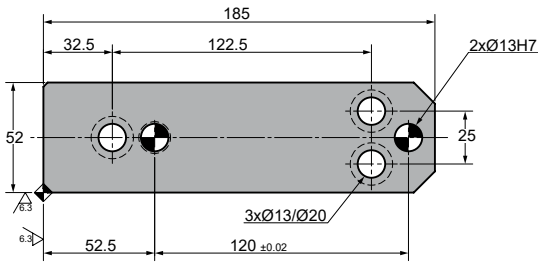
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

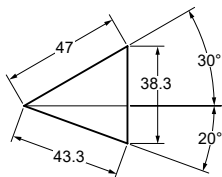
Aerial cam for pierce

**AZOL
GAS** 

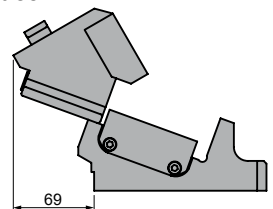
ACDS 0052 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
43.3	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.9	ACDS	0052	20



Order: Model (W) (α)

ACDS 0052 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

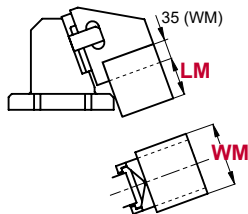


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm). f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option



ACDS 0052 20-P12

ACDS 0052 20-LM30-WM120



SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

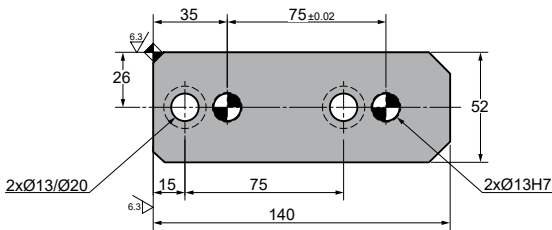
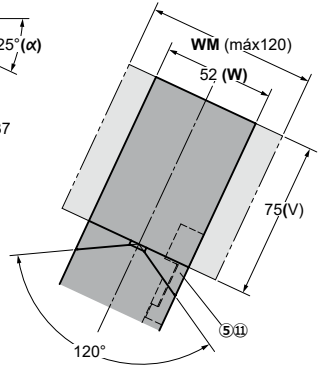
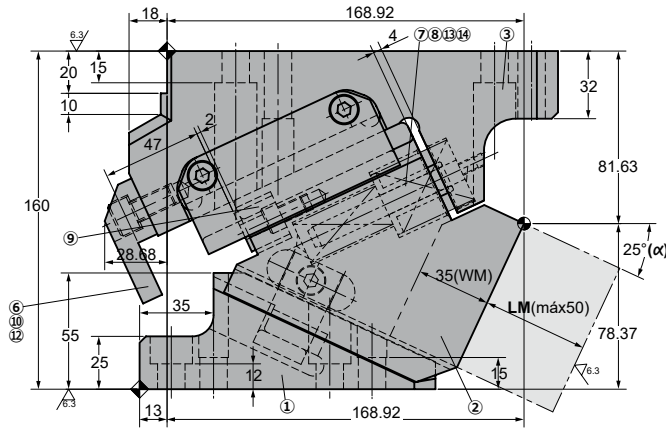
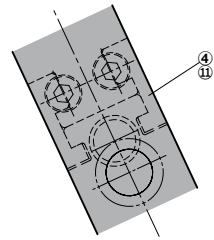
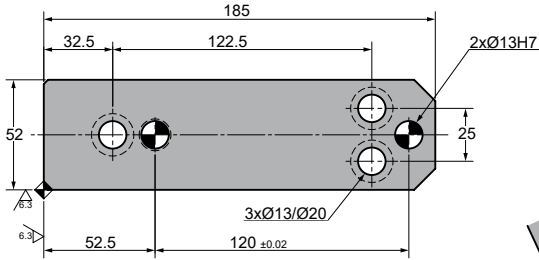
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

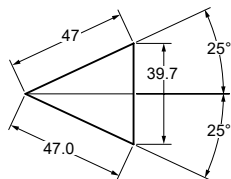
Aerial cam for pierce



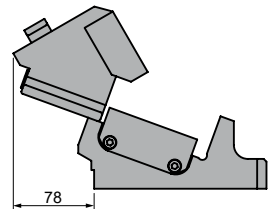
ACDS 0052 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.0	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.8	ACDS	0052	25



Order: Model (W) (α)

ACDS 0052 25

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS

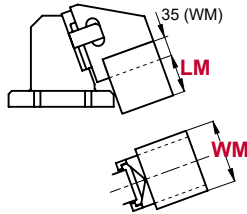


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm). f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option



ACDS 0052 25-P12

ACDS 0052 25-LM30-WM120



SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

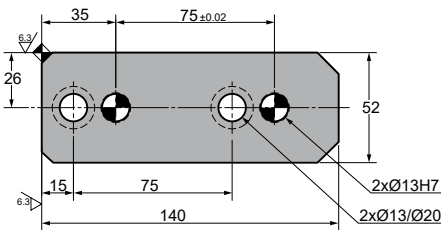
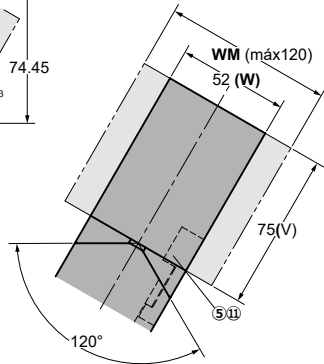
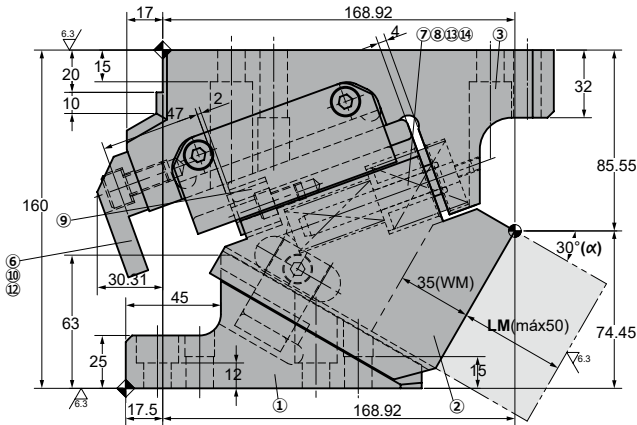
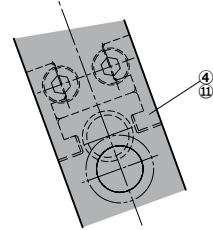
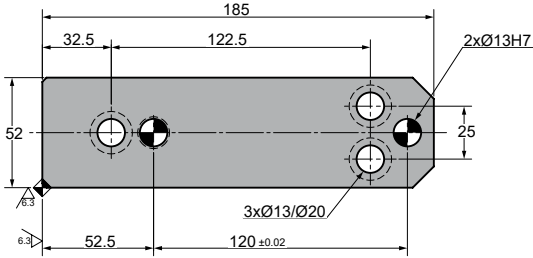
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

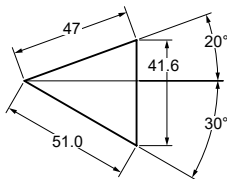
Aerial cam for pierce



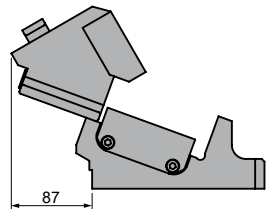
ACDS 0052 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
51.0	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.6	ACDS	0052	30



Order: Model (W) (α)

ACDS 0052 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

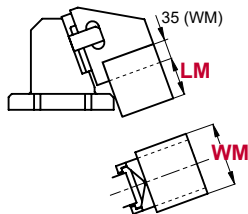


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ACDS 0052 30-P12

ACDS 0052 30-LM30-WM120



SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

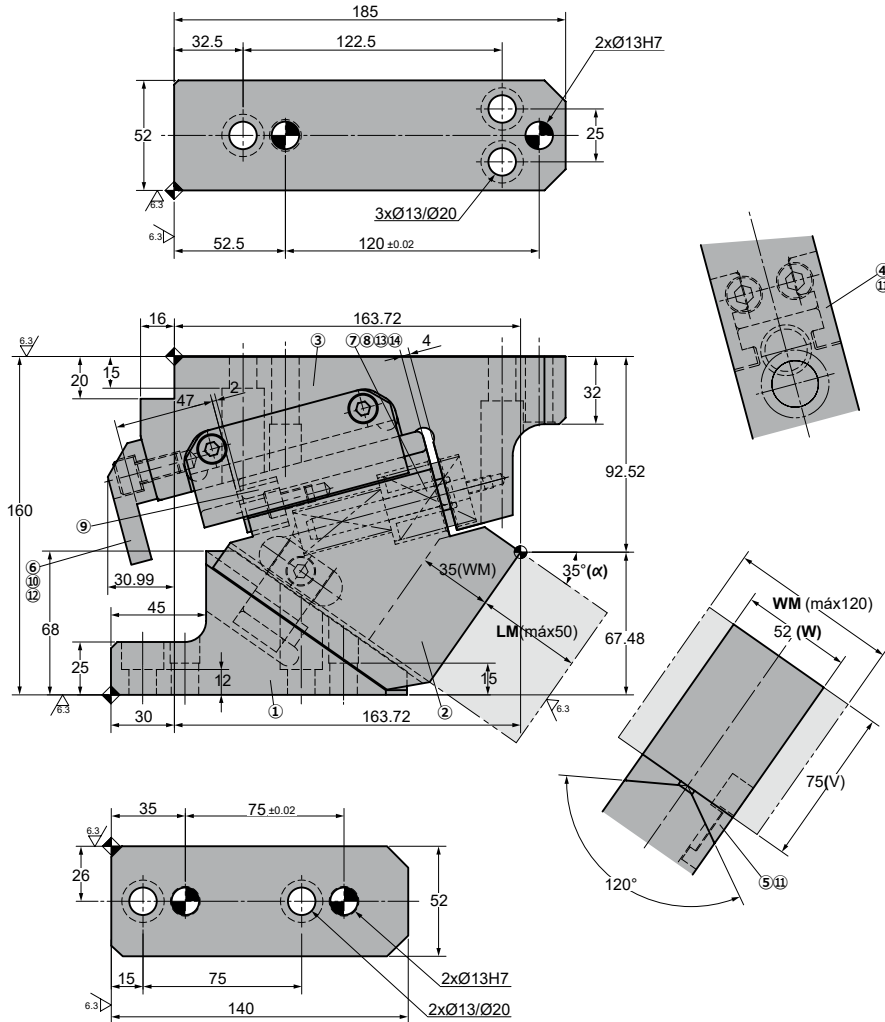
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

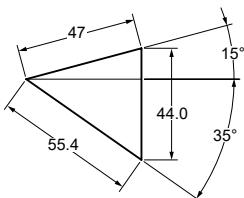
Aerial cam for pierce

AZOL
GAS

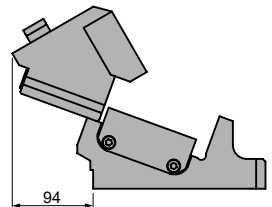
ACDS 0052 35



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55.4	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.8	ACDS	0052	35


Order: Model (W) (α)
ACDS 0052 35

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

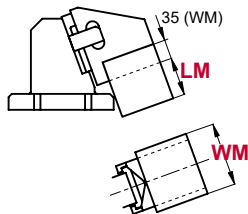
P PINS


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
 f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
 f.e. WM120



Order Options: Model (W) (α)-Option


ACDS 0052 35-P12
ACDS 0052 35-LM30-WM120


SPARE PARTS:

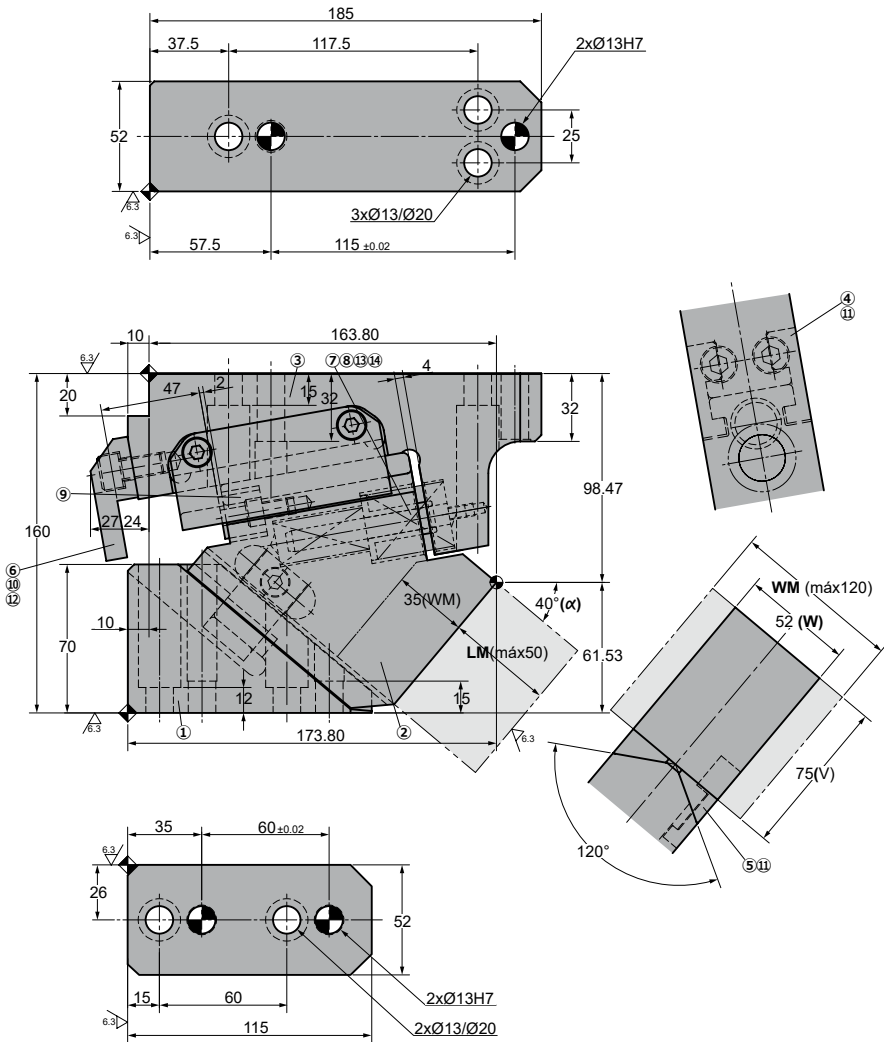
- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

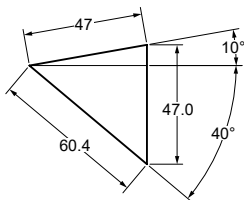
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

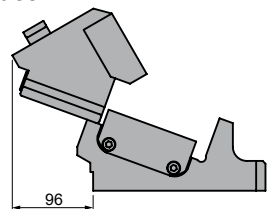
Aerial cam for pierce

**AZOL
GAS** **ACDS 0052 40**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.4	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.9	ACDS	0052	40


Order: Model (W) (α)
ACDS 0052 40

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

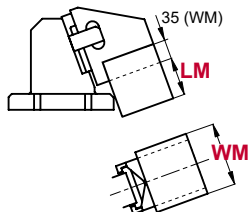
P PINS


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
 f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
 f.e. WM120



Order Options: Model (W) (α)-Option


ACDS 0052 40-P12
ACDS 0052 40-LM30-WM120


SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

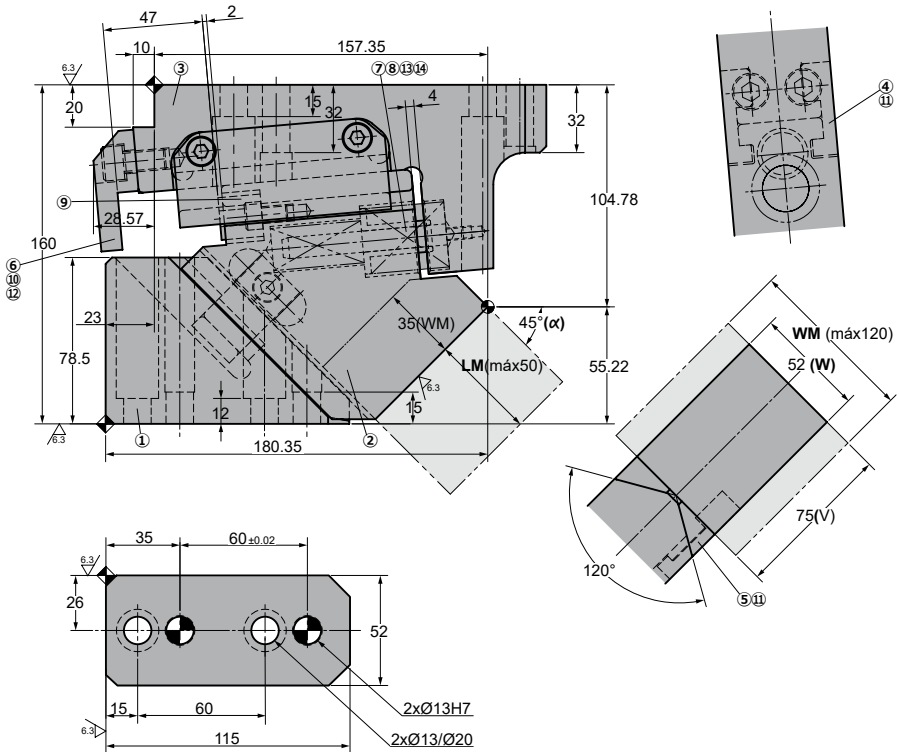
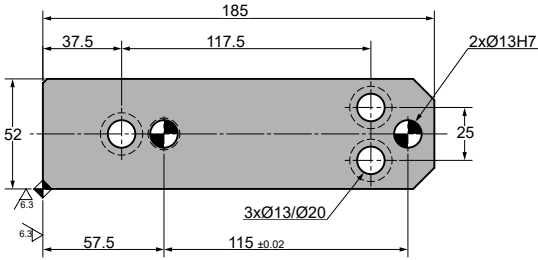
COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

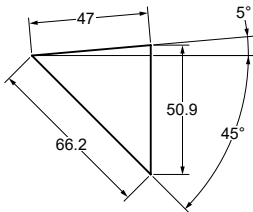
ACDS 0052

Aerial cam for pierce

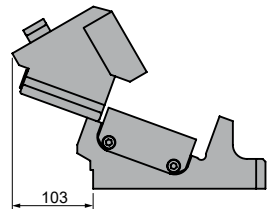
ACDS 0052 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
66.2	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	9.1	ACDS	0052	45



Order: Model (W) (α)

ACDS 0052 45

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS

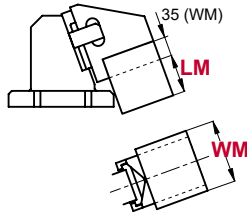


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm). f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option



ACDS 0052 45-P12

ACDS 0052 45-LM30-WM120



SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

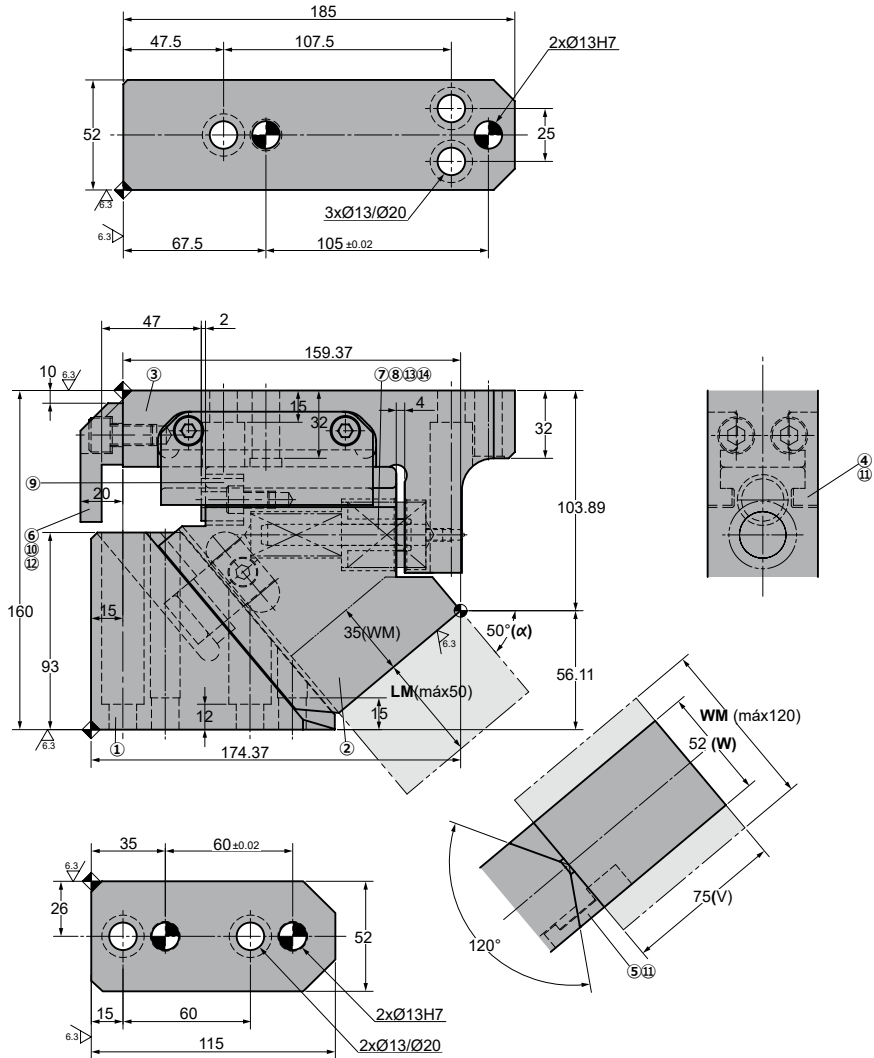
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

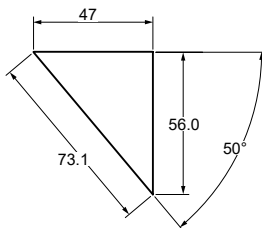
Aerial cam for pierce

**AZOL
GAS** 

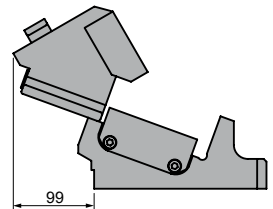
ACDS 0052 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
73.1	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.8	ACDS	0052	50


Order: Model (W) (α)
ACDS 0052 50

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

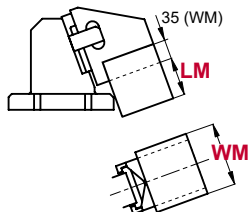
P PINS


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
 f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
 f.e. WM120



Order Options: Model (W) (α)-Option


ACDS 0052 50-P12
ACDS 0052 50-LM30-WM120


SPARE PARTS:

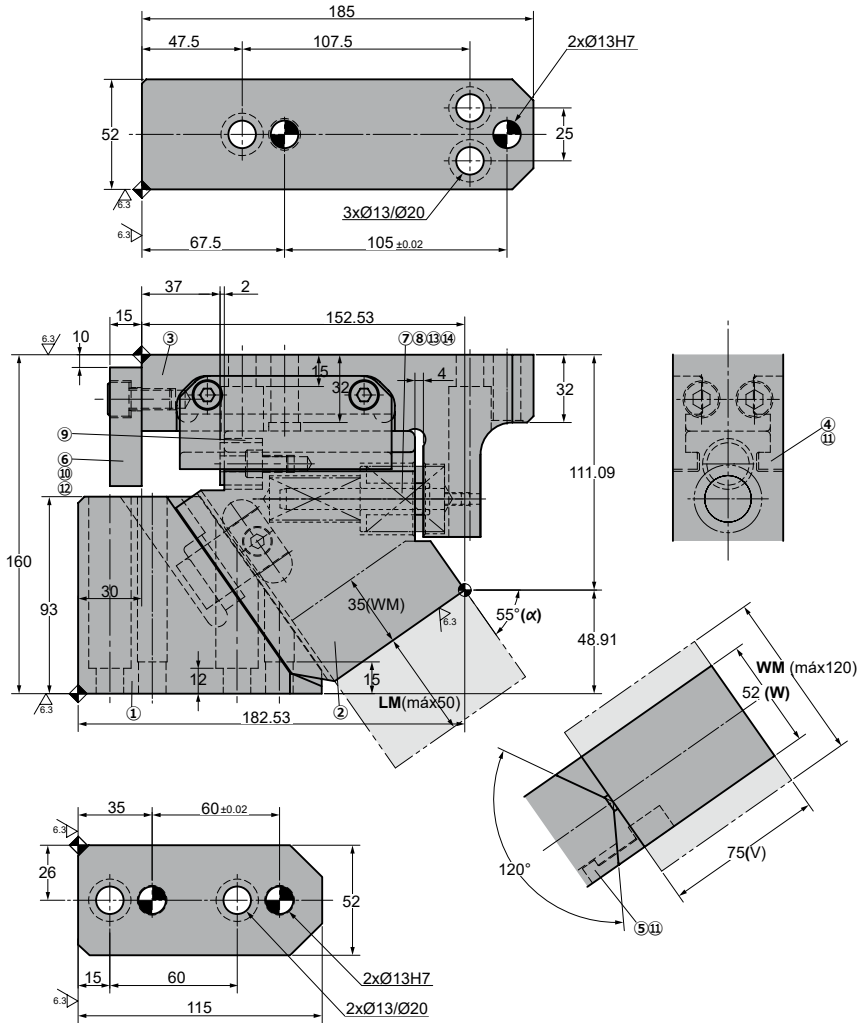
- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

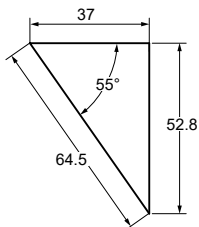
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

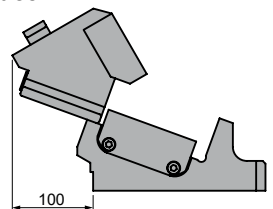
Aerial cam for pierce

ACDS 0052 55

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
64.5	29.4 (3.0)	58.8 (6.0)	36.1 (3.7)	3110.8 (317.2)	8.9	ACDS	0052	55


Order: Model (W) (α)
ACDS 0052 55

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

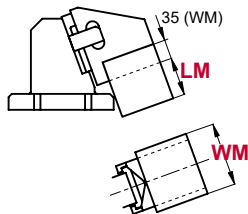
P PINS


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
 f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
 f.e. WM120


Order Options: Model (W) (α)-Option

ACDS 0052 55-P12
ACDS 0052 55-LM30-WM120


SPARE PARTS:

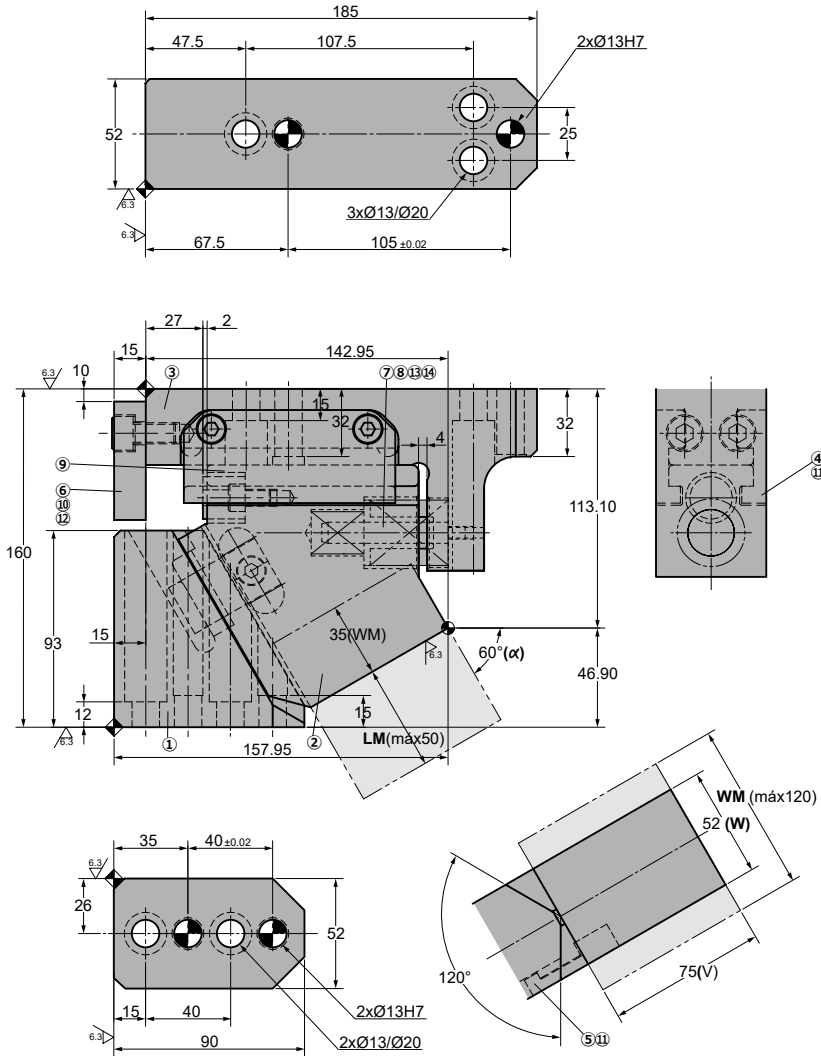
- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

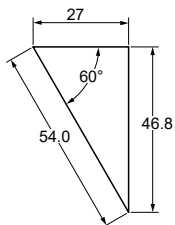
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-70
⑭	Coil Spring B	1	TJH32-51

ACDS 0052

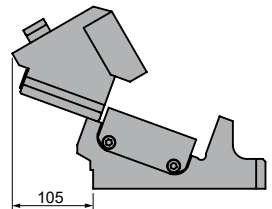
Aerial cam for pierce

**AZOL
GAS** **ACDS 0052 60**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
54.0	29.4 (3.0)	58.8 (6.0)	98.1 (10.0)	3110.8 (317.2)	8.5	ACDS	0052	60


Order: Model (W) (α)
ACDS 0052 60

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

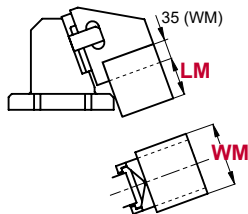
P PINS


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
 f.e. LM40

WM Mount width changed from 53mm to 120 (increments of 1 mm).
 f.e. WM120



Order Options: Model (W) (α)-Option


ACDS 0052 60-P12
ACDS 0052 60-LM30-WM120


SPARE PARTS:

- ⑬ Coil Spring A
- ⑭ Coil Spring B

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-45
⑭	Coil Spring B	1	TJH32-51

ACDS 0052



Aerial cam for pierce

General information



ANCG 0065

- Aerial cam.
- Angles from 0° to 25° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Extensible mount length.

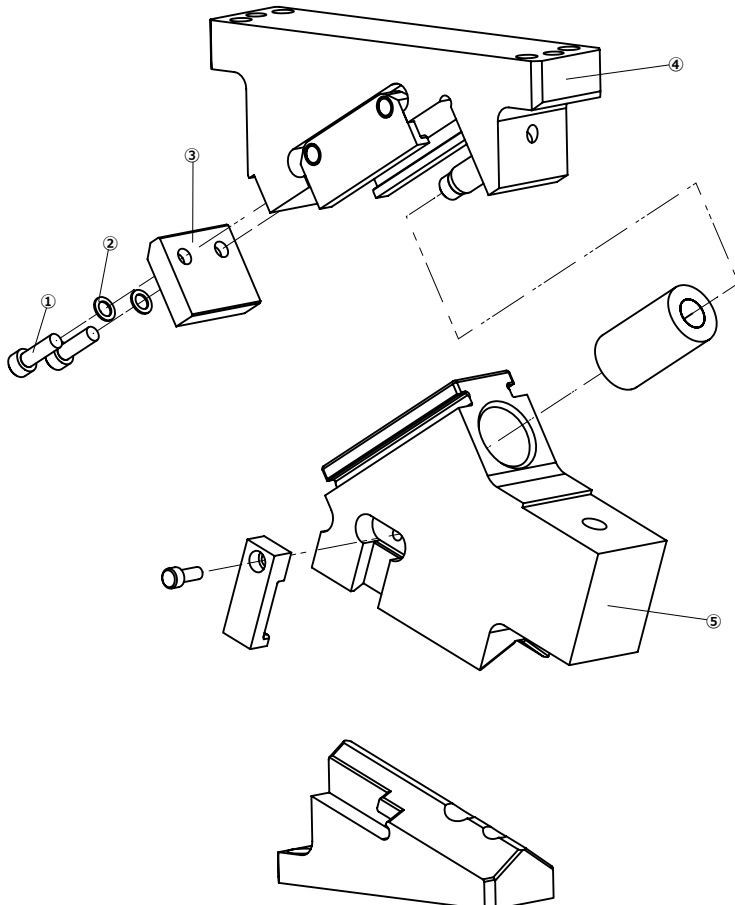
Assembling and disassembling

Disassembling process

- Unscrew ① pieces with washers ② and then stopper plate ③.
- Remove cam slider ⑤ from cam support ④.

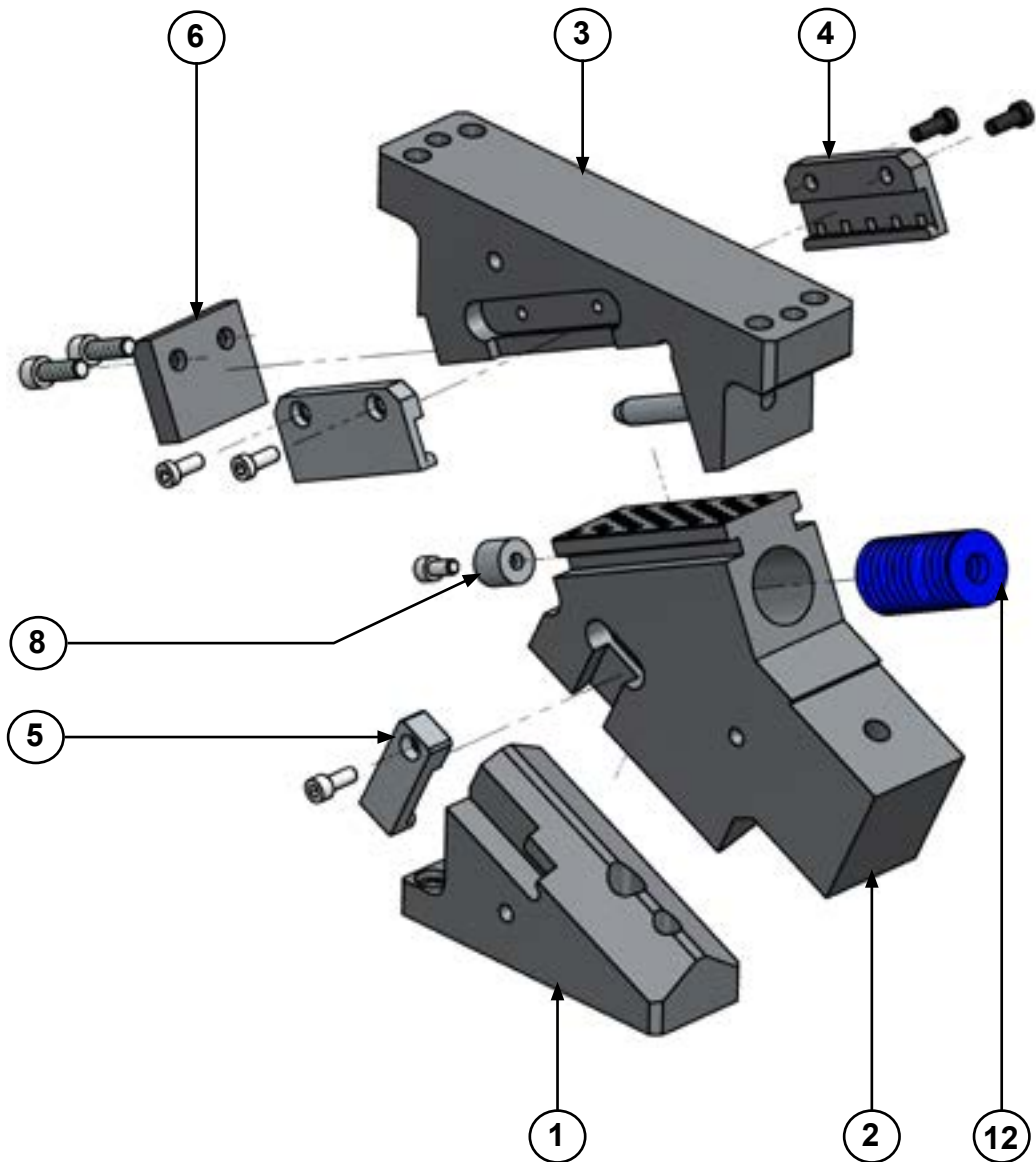
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ANCG 0065

Aerial cam for pierce

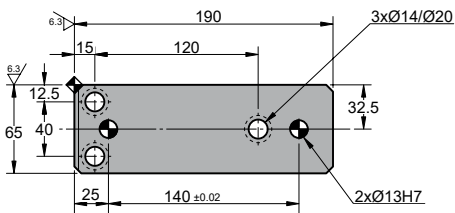
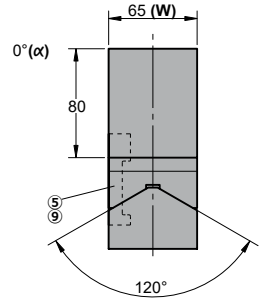
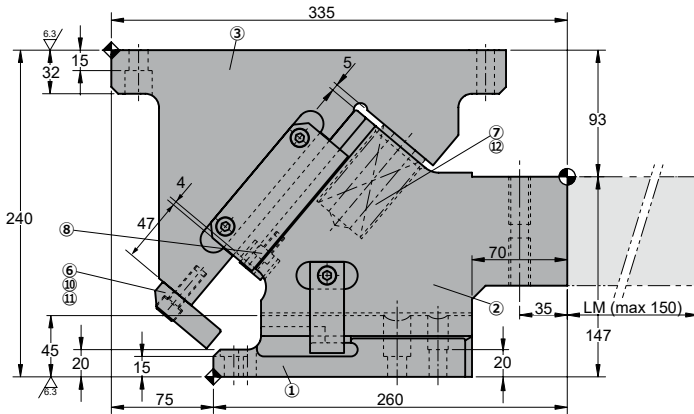
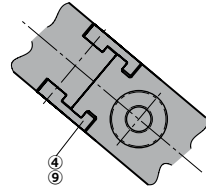
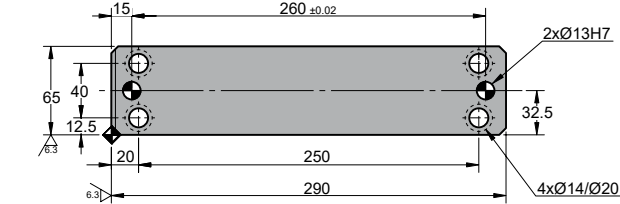


ANCG 0065

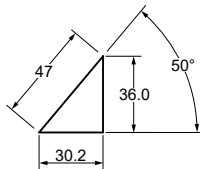
Aerial cam for pierce

**AZOL
GAS** 

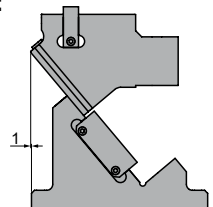
ANCG 0065 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.2	14.7 (1.5)	126.9 (12.9)	2115.0 (215.7)	33.7	ANCG	0065	00


Order: Model (W) (α)
ANCG 0065 00

 Standard order example according to catalog sheet.
 Add options applying options table contents.

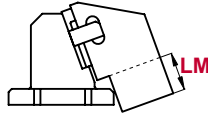
OPTIONS

P PINS


P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm).
 f.e. LM50



Order Options: Model (W) (α)-Option


ANCG 0065 00-P12
ANCG 0065 00-LM50
ANCG 0065 00-P12-LM50


SPARE PARTS:

⑫ Coil Spring

COMPONENTS

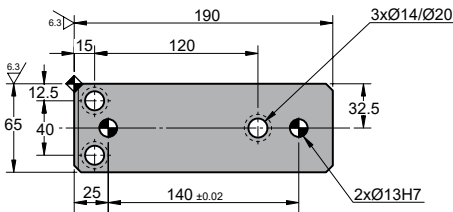
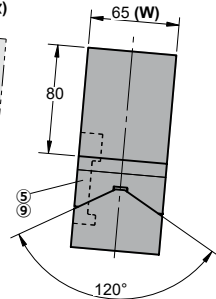
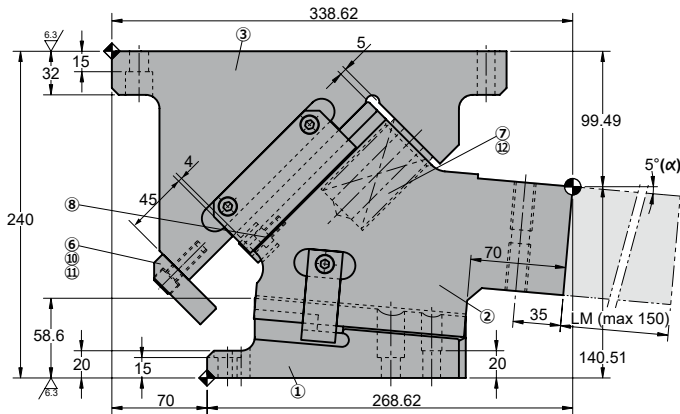
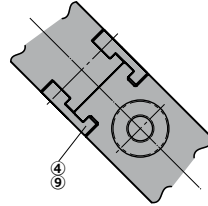
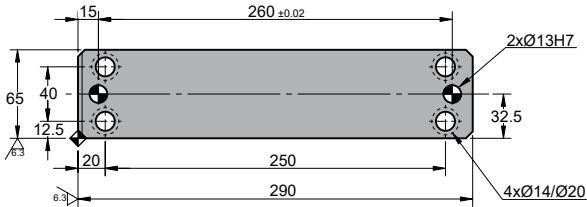
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

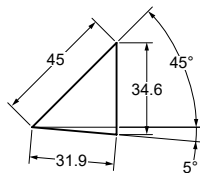
Aerial cam for pierce

**AZOL
GAS** 

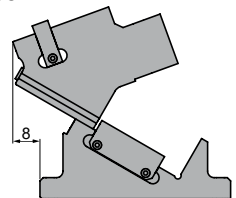
ANCG 0065 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(300.000 Strokes)	Initial F ₀	Final F ₁				
31.9	14.7 (1.5)	211.5 (21.6)	2115.0 (215.7)	33.2	ANCG	0065	05


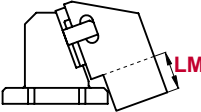


Order: Model (W) (α)

ANCG 0065 05

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p>  <p>P12 - Ø12 H7</p>
<p>LM MOUNT</p> <p>LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). f.e. LM50</p> 	

Order Options: Model (W) (α)-Option


ANCG 0065 05-P12

ANCG 0065 05-LM50

ANCG 0065 05-P12-LM50

SPARE PARTS:

12 Coil Spring



COMPONENTS

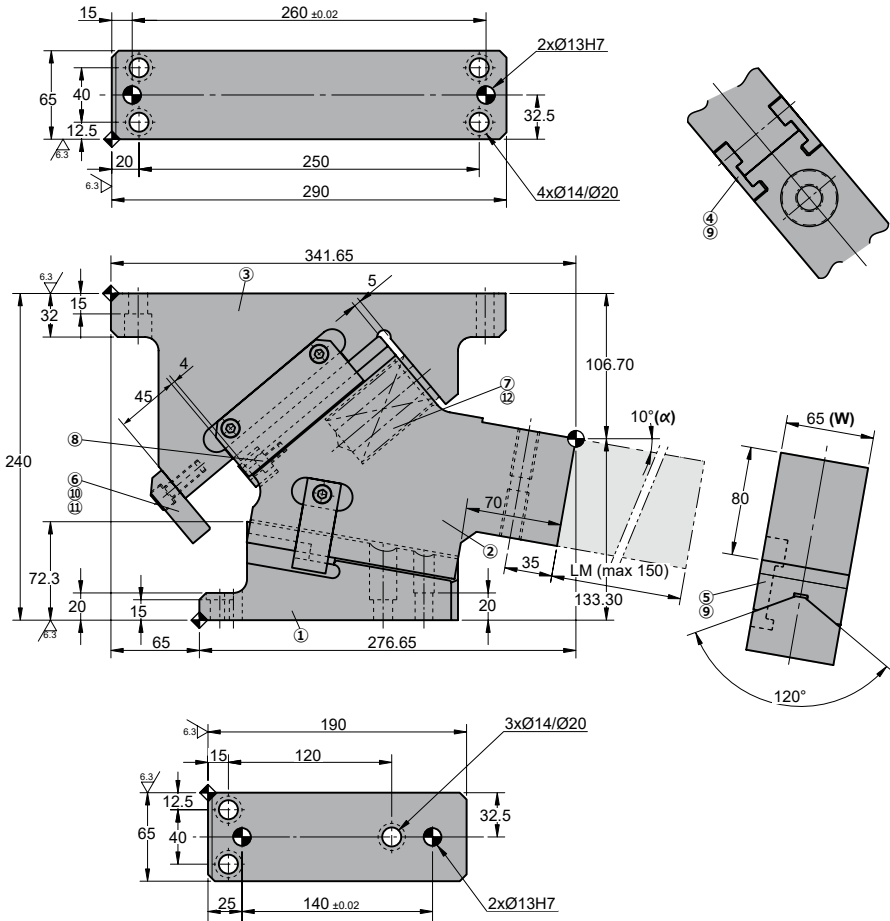
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

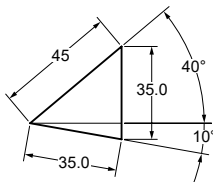
Aerial cam for pierce

**AZOL
GAS**

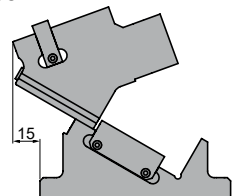
ANCG 0065 10



Cam diagram:



Desassembling space:





ANCG 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.0	14.7 (1.5)	211.5 (21.6)	2115.0 (215.7)	32.7	ANCG	0065	10



Order: Model (W) (α)

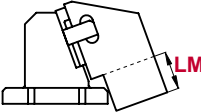
ANCG 0065 10

Standard order example according to catalog sheet. Add options applying options table contents.


OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). f.e. LM50





P PINS



P12 - Ø12 H7

Order Options: Model (W) (α)-Option





ANCG 0065 10-P12

ANCG 0065 10-LM50

ANCG 0065 10-P12-LM50

SPARE PARTS:



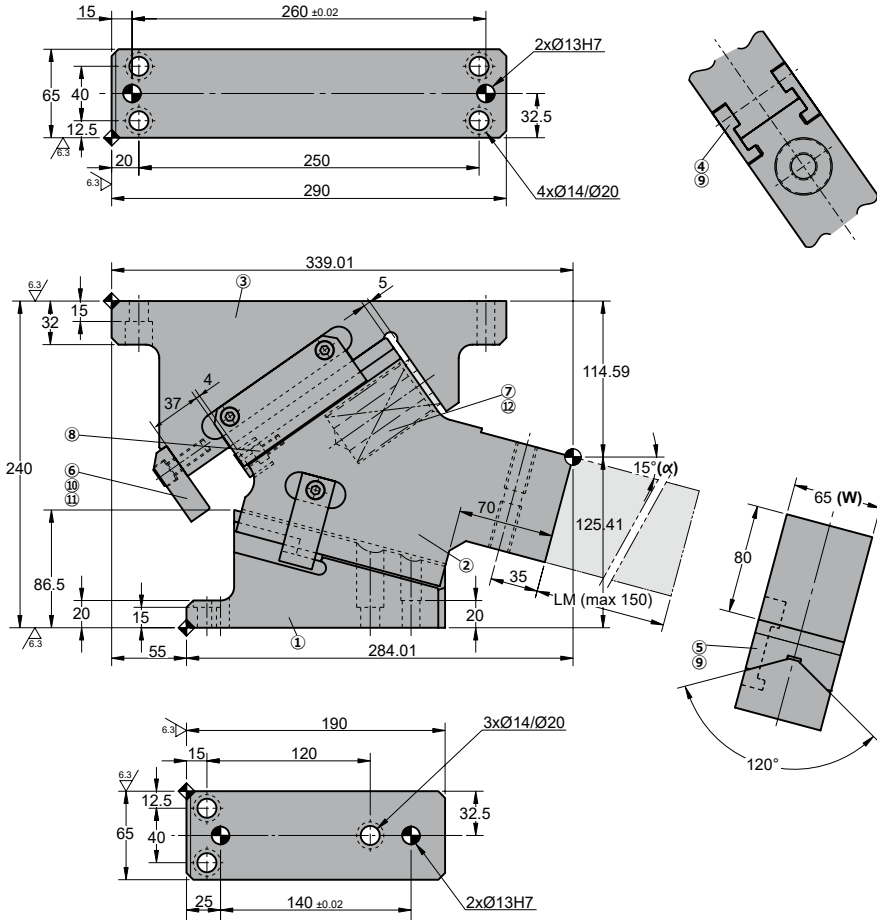
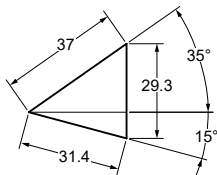
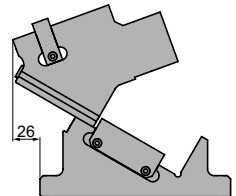
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

Aerial cam for pierce

**AZOL
GAS** **ANCG 0065 15****◦Cam diagram:****◦Desassembling space:**

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(300.000 Strokes)	Initial F ₀	Final F ₁				
31.4	14.7 (1.5)	550.0 (56.1)	2115.0 (215.7)	32.1	ANCG	0065	15


Order: Model (W) (α)
ANCG 0065 15

 Standard order example according to catalog sheet.
 Add options applying options table contents.

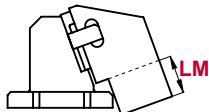
OPTIONS

P PINS


P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm).
 f.e. LM50



Order Options: Model (W) (α)-Option


ANCG 0065 15-P12
ANCG 0065 15-LM50
ANCG 0065 15-P12-LM50


SPARE PARTS:

⑫ Coil Spring

COMPONENTS

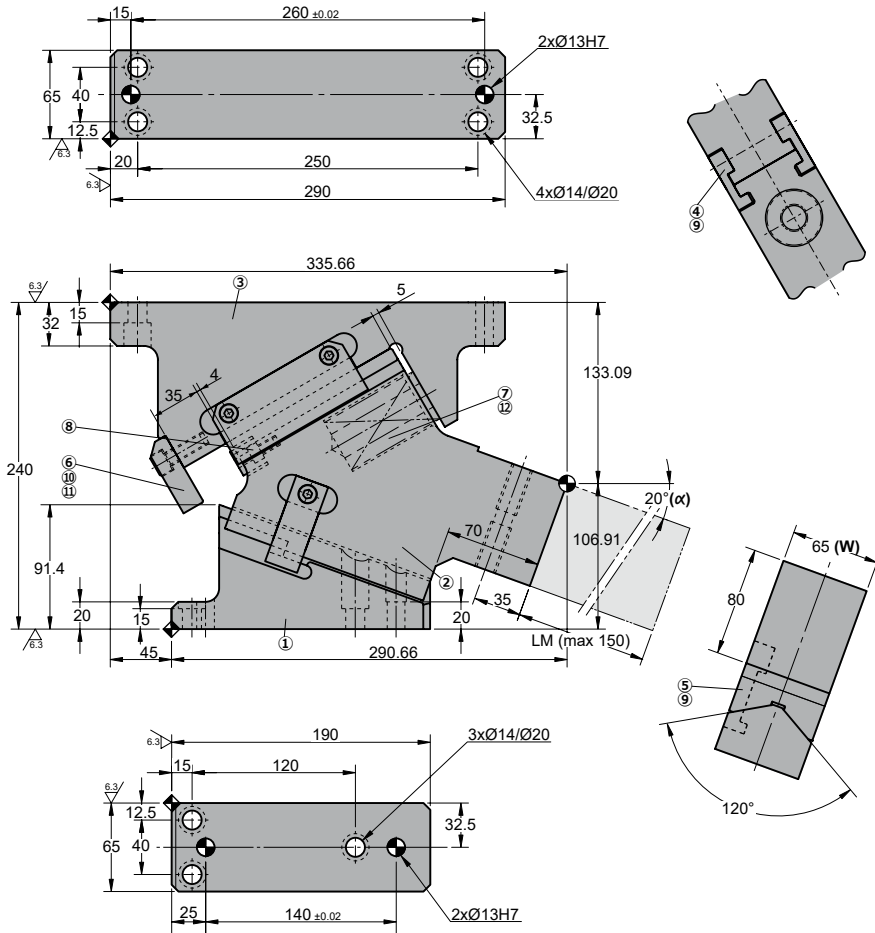
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

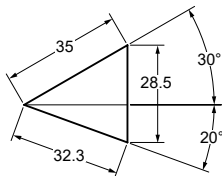
Aerial cam for pierce

AZOL
GAS

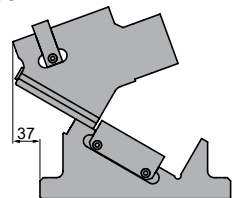
ANCG 0065 20



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.3	14.7 (1.5)	634.5 (64.7)	2115.0 (215.7)	32.1	ANCG	0065	20

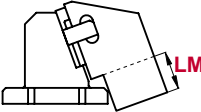



Order: Model (W) (α)

ANCG 0065 20

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

<p>LM MOUNT</p> <p>LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). f.e. LM50</p> 	<p>P PINS</p>  <p>P12 - Ø12 H7</p>
--	--

Order Options: Model (W) (α)-Option


ANCG 0065 20-P12

ANCG 0065 20-LM50

ANCG 0065 20-P12-LM50

SPARE PARTS:

12 Coil Spring



COMPONENTS

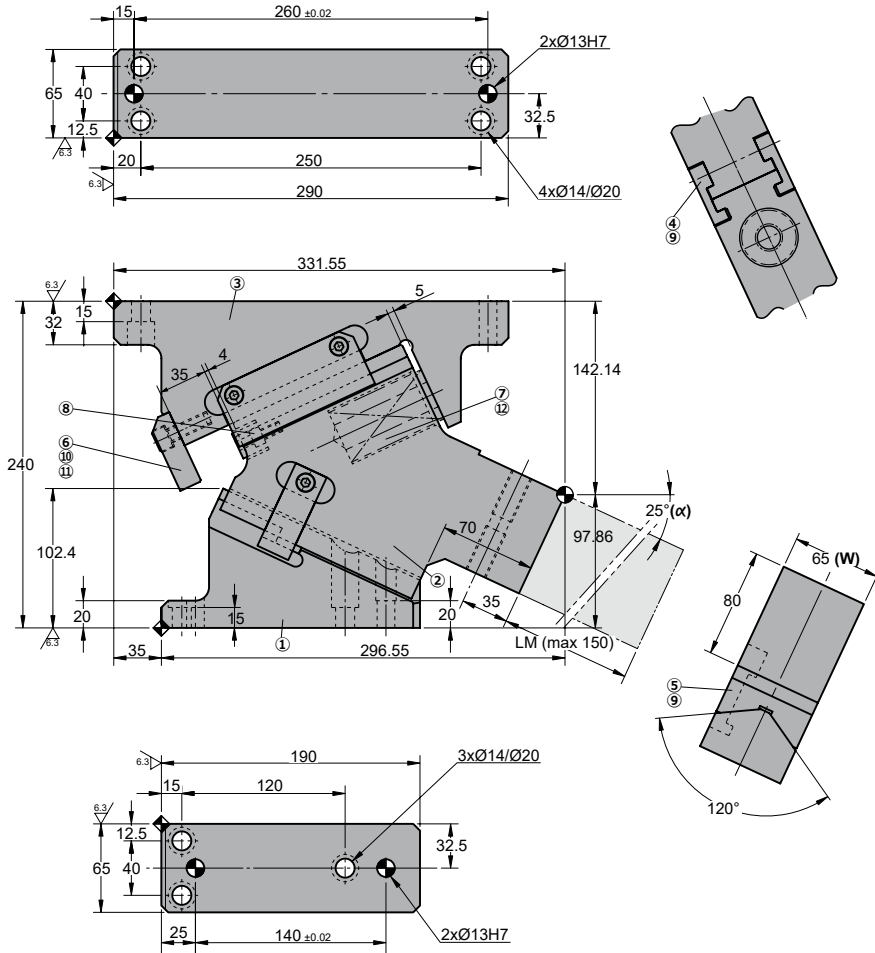
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

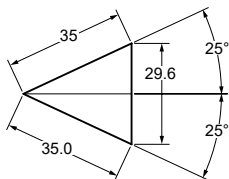
Aerial cam for pierce

AZOL
GAS

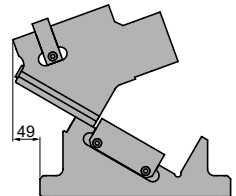
ANCG 0065 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.0	14.7 (1.5)	634.5 (64.7)	2115.0 (215.7)	31.8	ANCG	0065	25



Order: Model (W) (α)

ANCG 0065 25

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

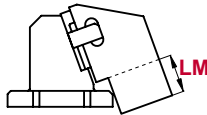
P PINS



P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ANCG 0065 25-P12

ANCG 0065 25-LM50

ANCG 0065 25-P12-LM50



SPARE PARTS:

⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065



Aerial cam for pierce

General information



ASCB 0050

ASCB 0065

ASCB 0080

ASCB 0150

ASFK 0080

ASFK 0150

ASCB

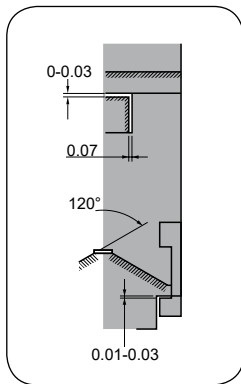
- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Extensible mount length.
- Slider easy disassembly from the rear.

ASFK

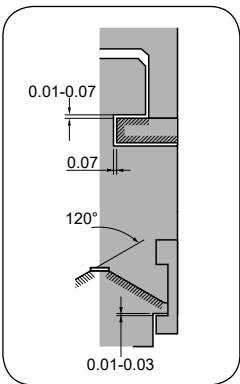
- Spring return in 2 steps.
- Higher return force than ASCB.
- 1.4 times stroger than "ASCB".

Adjustment clearances

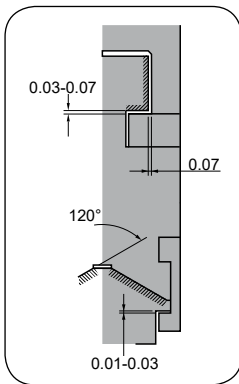
ASCB 0050



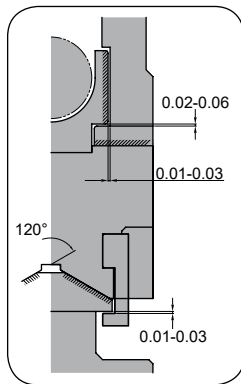
ASCB 0065



ASFK 0080
ASCB 0080



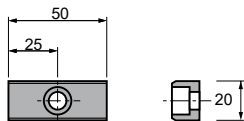
ASFK 0150
ASCB 0150



Keys

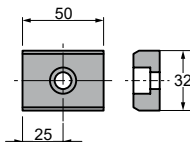
K

ASCB 0050 / 0065



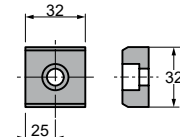
K

ASFK 0080
ASCB 0080



K

ASFK 0150
ASCB 0150



ASCB-ASFK

Aerial cam for pierce

**AZOL
GAS** 

Assembling and disassembling

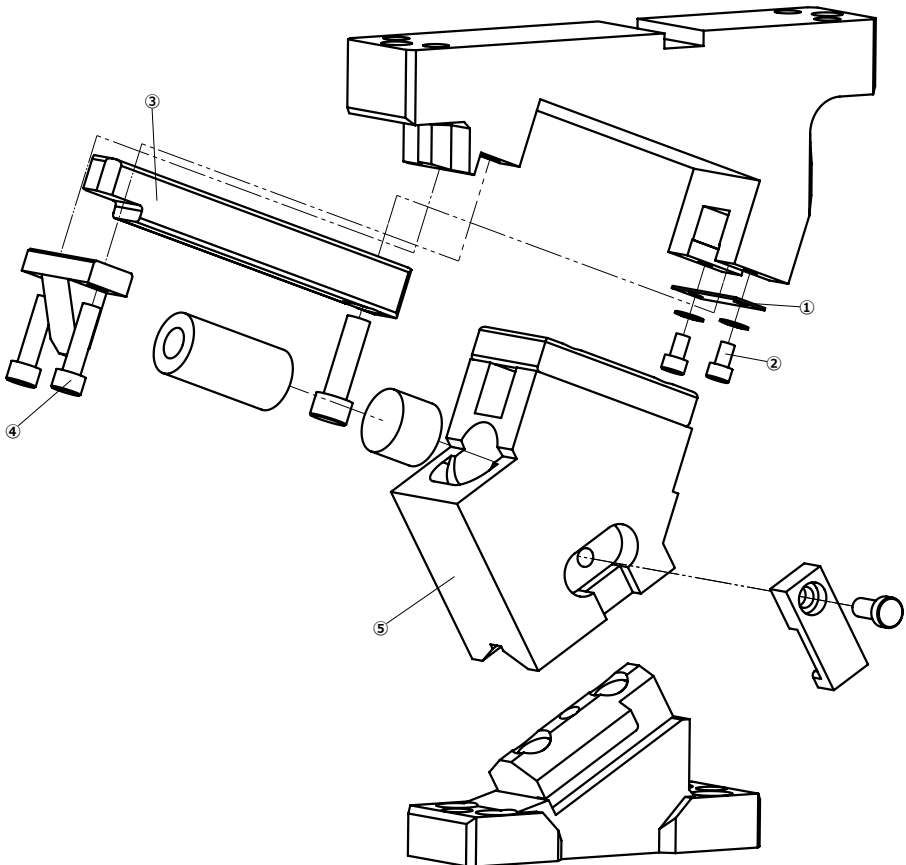
ASCB 0050 / 0065

Disassembling process

- Unscrew ② pieces and remove stopper plates ①.
- Unscrew ④.
- Push guide bar ③ and remove cam slider ⑤.

Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

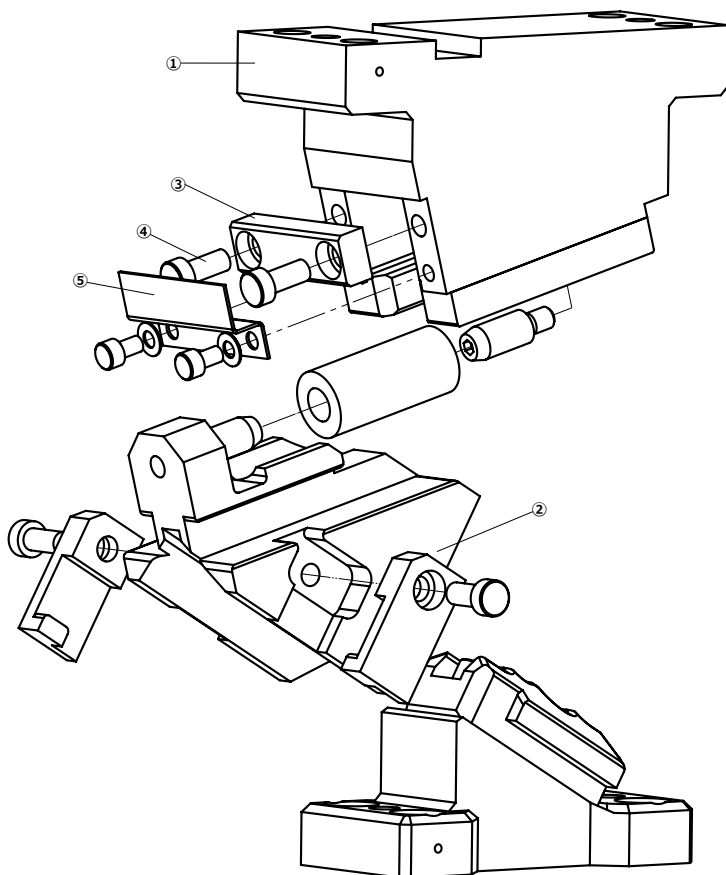
ASCB 0080 / 00150 ASFK 0080 / 00150

Disassembling process

- Remove security plate ⑤
- Unscrew ④ pieces and stopper plate ③.
- Unmount cam slider ② from the support ①.

Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ASCB-ASFK

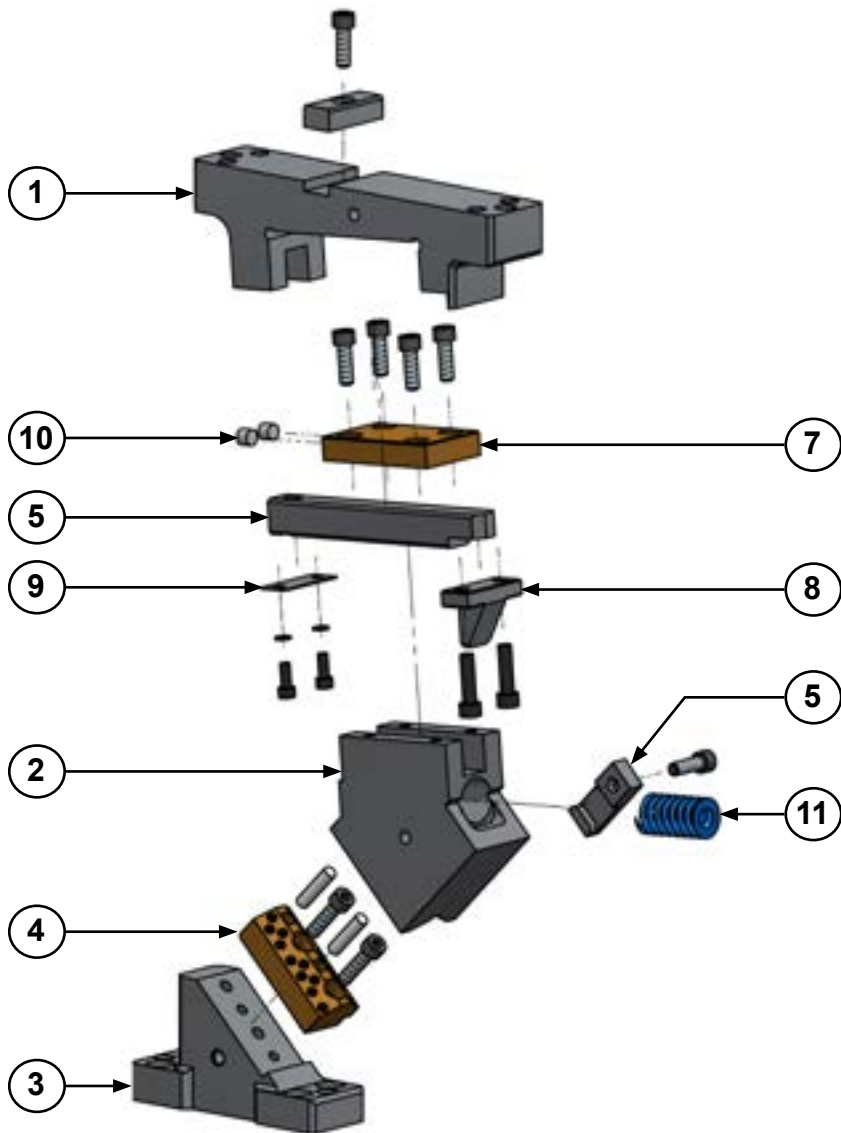
Aerial cam for pierce



Assembling and disassembling

ASCB 0050

Aerial cam for pierce

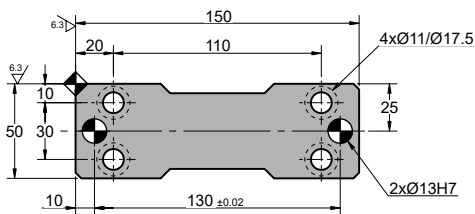
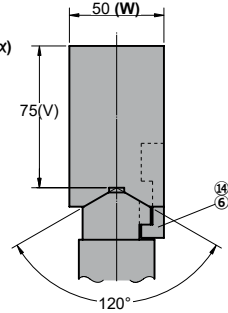
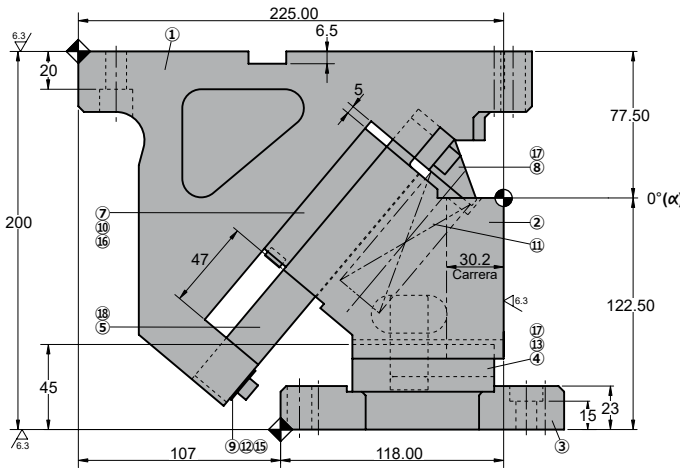
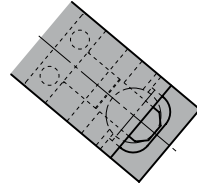
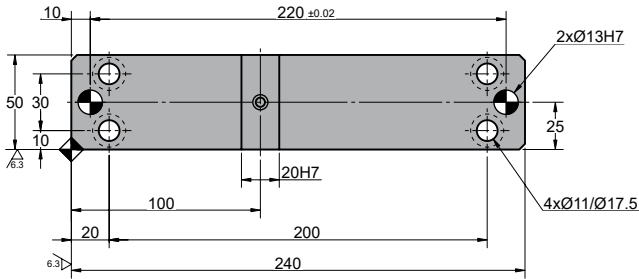


ASCB 0050

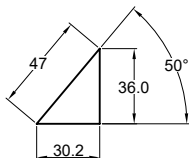
Aerial cam for pierce

**AZOL
GAS** 

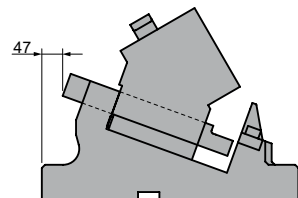
ASCB 0050 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.2	19.6 (2.0)	39.2 (4.0)	58.9 (6.0)	981.0 (100.0)	12.7	ASCB	0050	00



Order: **Model (W) (α)**

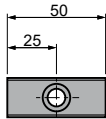
ASCB 0050 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

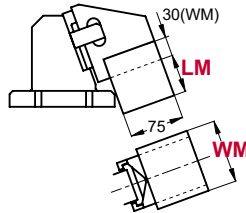


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 00-K

ASCB 0050 00-P12

ASCB 0050 00-WM-LM50

ASCB 0050 00-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

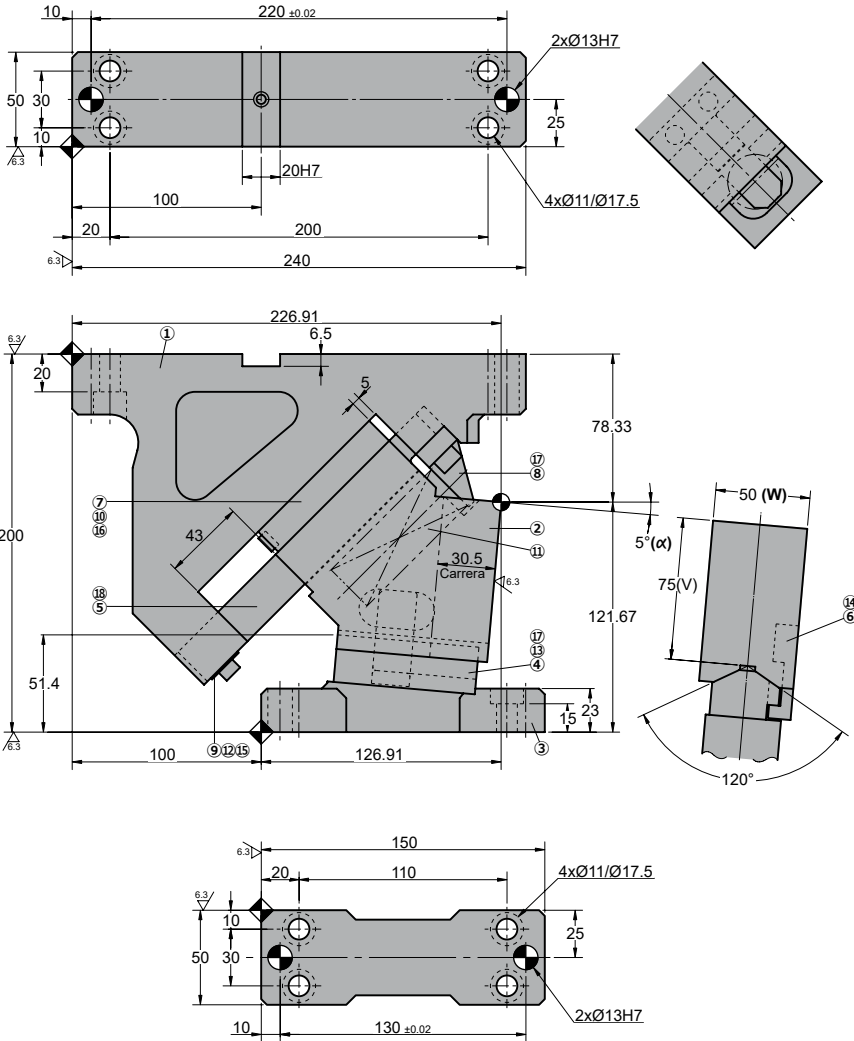
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-125
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

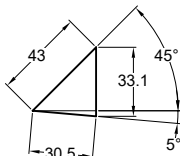
ASCB 0050

Aerial cam for pierce

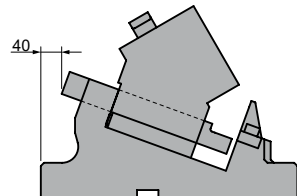
ASCB 0050 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.5	19.6 (2.0)	39.2 (4.0)	137.3 (14.0)	981.0 (100.0)	12.3	ASCB	0050	05



Order: **Model (W) (α)**

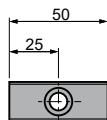
ASCB 0050 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

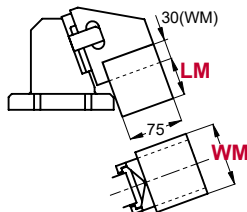


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 05-K

ASCB 0050 05-P12

ASCB 0050 05-WM-LM50

ASCB 0050 05-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-125
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

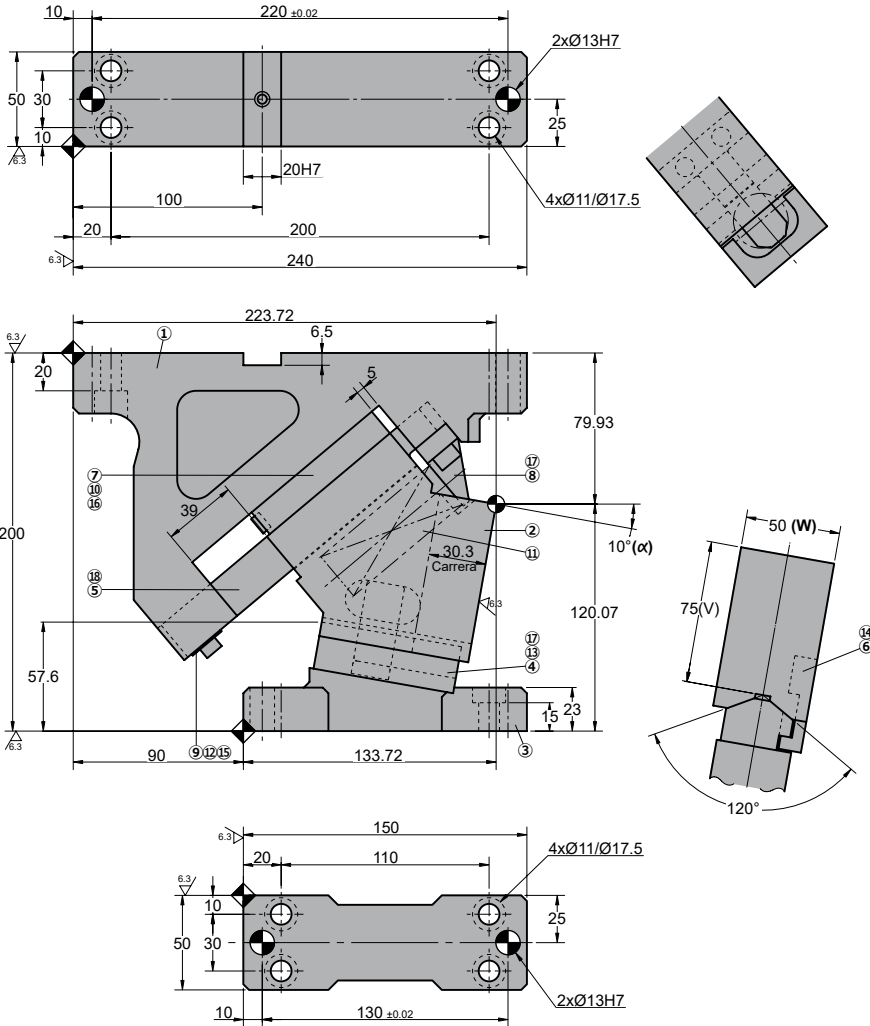
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

ASCB 0050

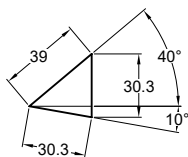
Aerial cam for pierce



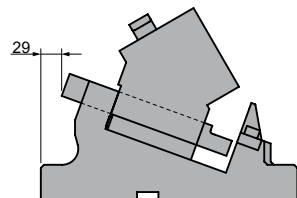
ASCB 0050 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.3	19.6 (2.0)	39.2 (4.0)	215.8 (22.0)	981.0 (100.0)	11.8	ASCB	0050	10



Order: **Model (W) (α)**

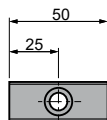
ASCB 0050 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

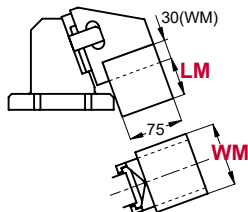


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65mm. f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 10-K

ASCB 0050 10-P12

ASCB 0050 10-WM-LM50

ASCB 0050 10-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

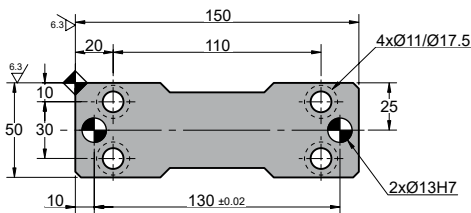
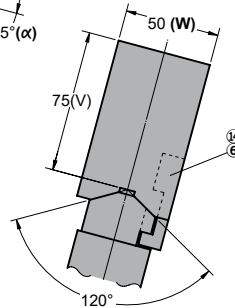
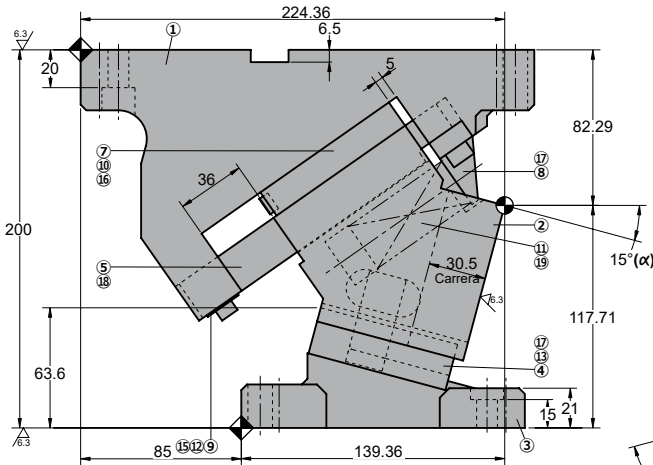
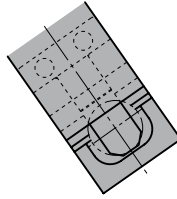
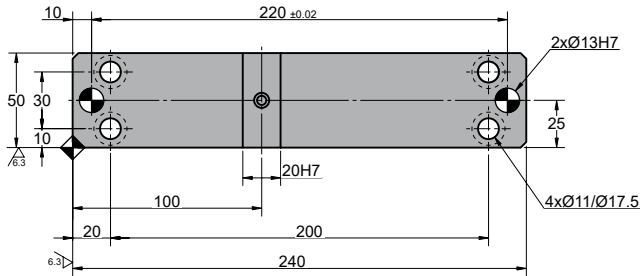
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-125
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

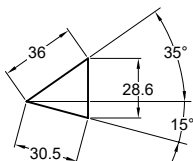
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

ASCB 0050

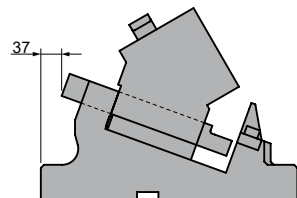
Aerial cam for pierce

**AZOL
GAS** **ASCB 0050 15**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.5	19.6 (2.0)	39.2 (4.0)	98.1 (10.0)	981.2 (100.1)	11.8	ASCB	0050	15



Order: Model (W) (α)

ASCB 0050 15

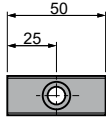
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

KEY

K



1 x M8x15



P PINS

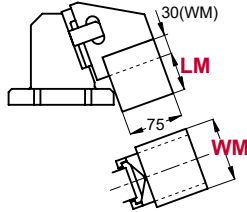


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65mm. f.e. WM65



Order Options: Model (W) (α)-Option



ASCB 0050 15-K

ASCB 0050 15-P12

ASCB 0050 15-WM-LM50

ASCB 0050 15-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-100
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

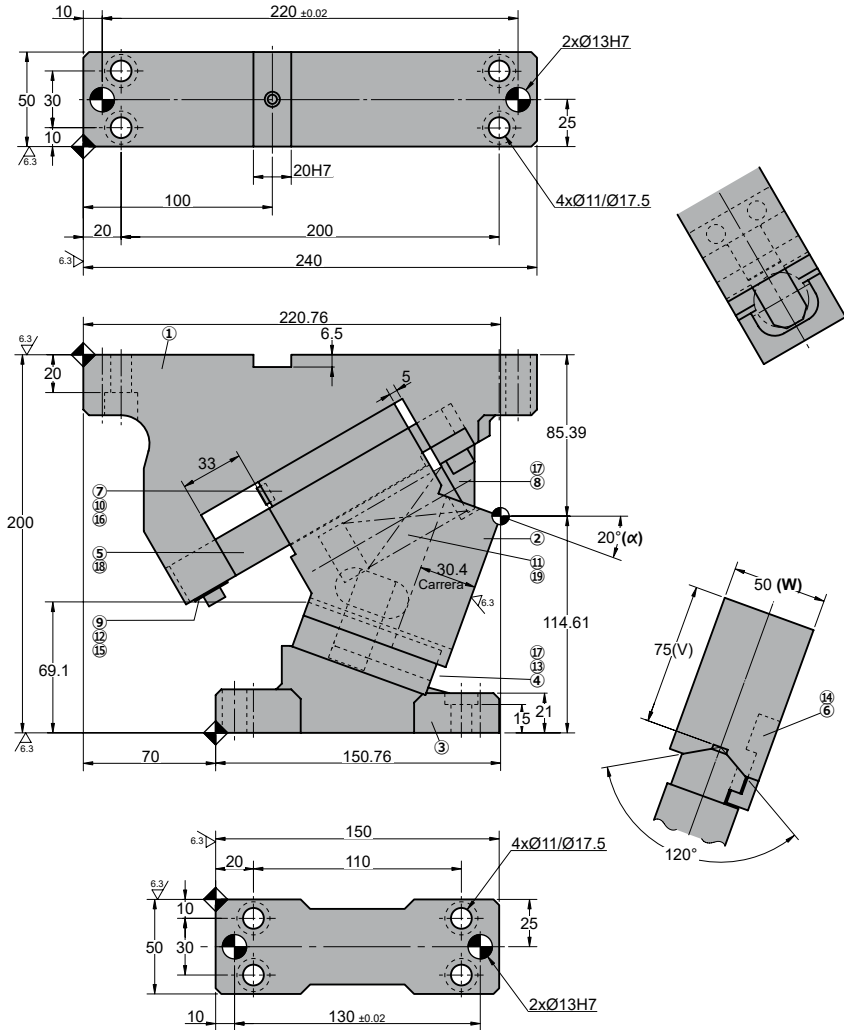
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

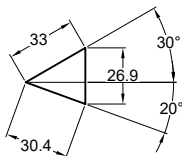
Aerial cam for pierce

**AZOL
GAS** 

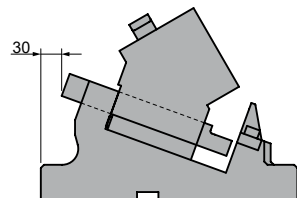
ASCB 0050 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.4	19.6 (2.0)	39.2 (4.0)	171.7 (17.5)	981.2 (100.1)	11.5	ASCB	0050	20



Order: **Model (W) (α)**

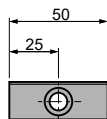
ASCB 0050 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

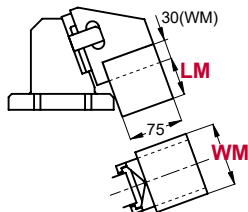


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 20-K

ASCB 0050 20-P12

ASCB 0050 20-WM-LM50

ASCB 0050 20-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-100
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

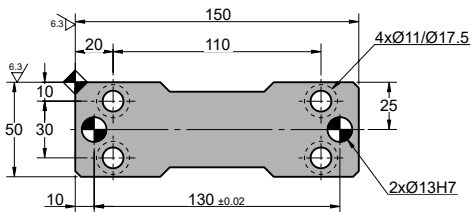
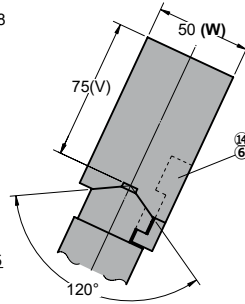
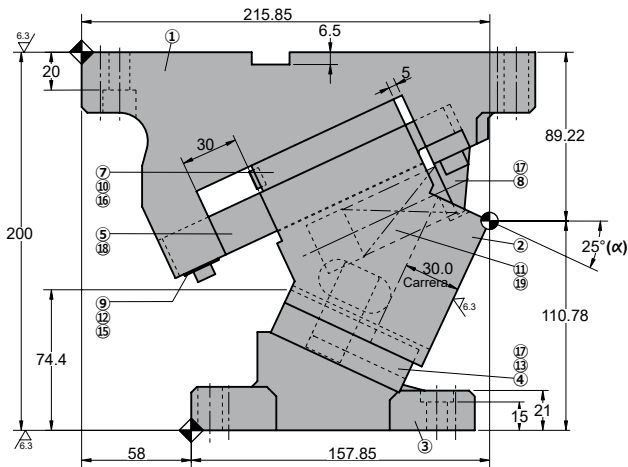
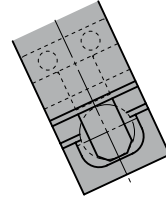
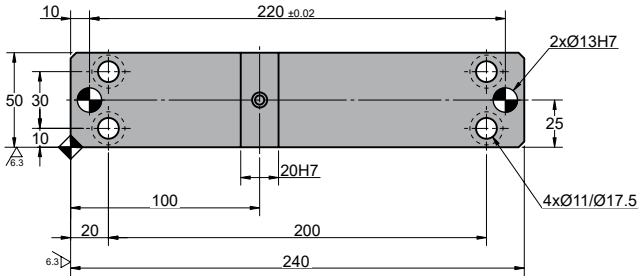
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

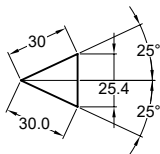
Aerial cam for pierce

**AZOL
GAS** 

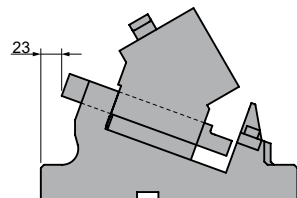
ASCB 0050 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.0	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	11.3	ASCB	0050	25



Order: **Model (W) (α)**

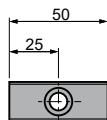
ASCB 0050 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

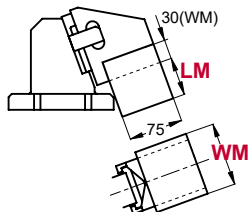


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 25-K

ASCB 0050 25-P12

ASCB 0050 25-WM-LM50

ASCB 0050 25-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

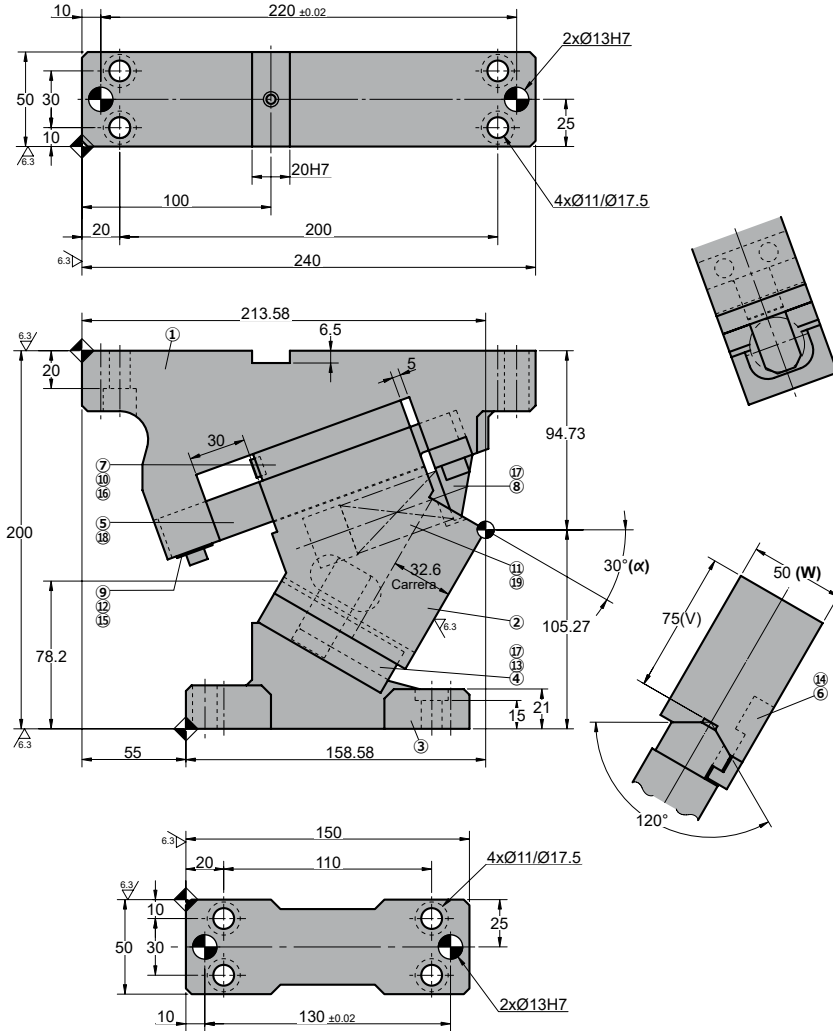
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

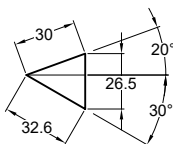
Aerial cam for pierce

**AZOL
GAS** 

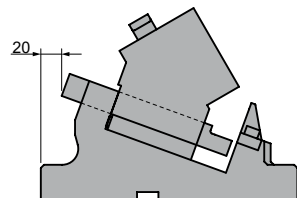
ASCB 0050 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.6	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	11.1	ASCB	0050	30



Order: **Model (W) (α)**

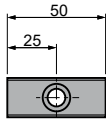
ASCB 0050 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

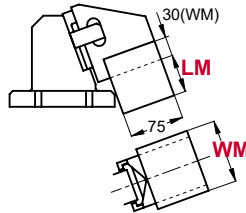


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 30-K

ASCB 0050 30-P12

ASCB 0050 30-WM-LM50

ASCB 0050 30-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

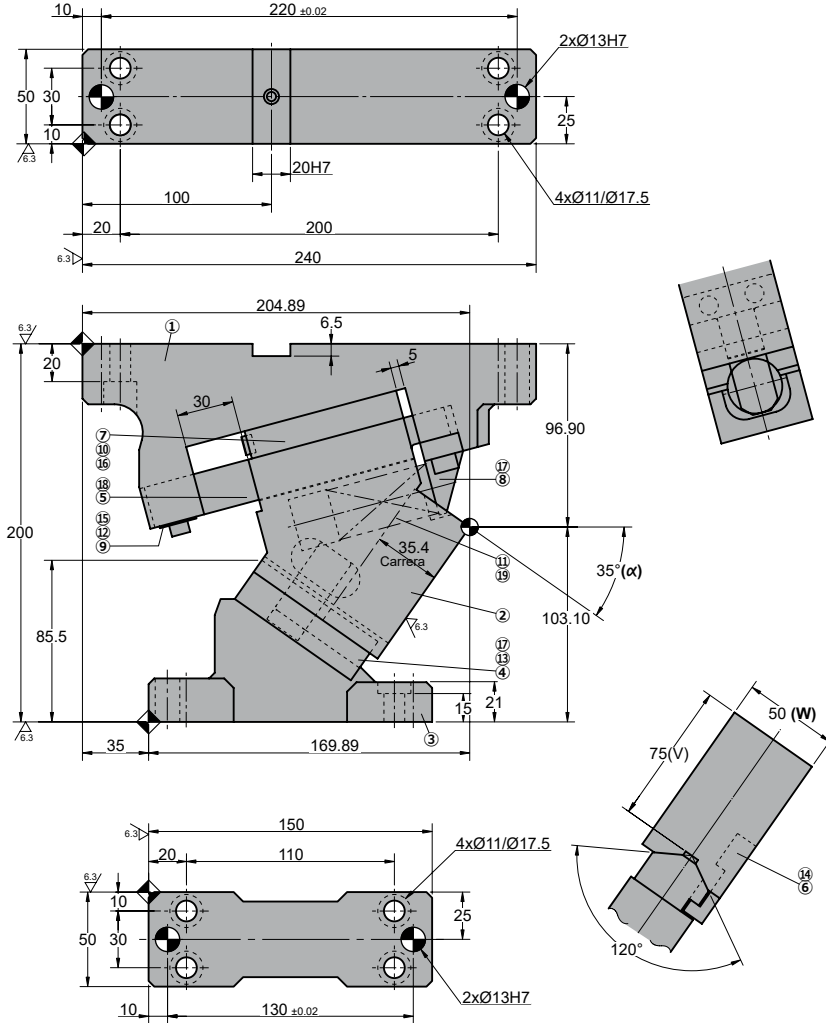
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

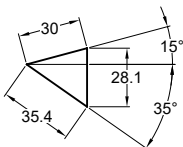
Aerial cam for pierce

**AZOL
GAS**

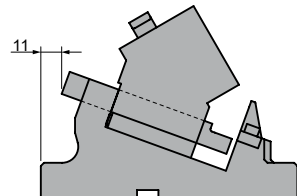
ASCB 0050 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.4	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.9	ASCB	0050	35



Order: **Model (W) (α)**

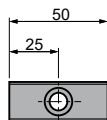
ASCB 0050 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

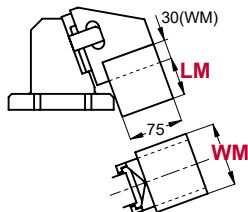


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 35-K

ASCB 0050 35-P12

ASCB 0050 35-WM-LM50

ASCB 0050 35-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

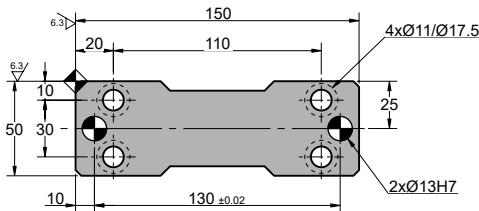
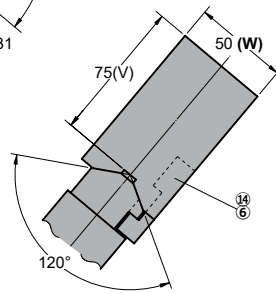
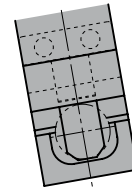
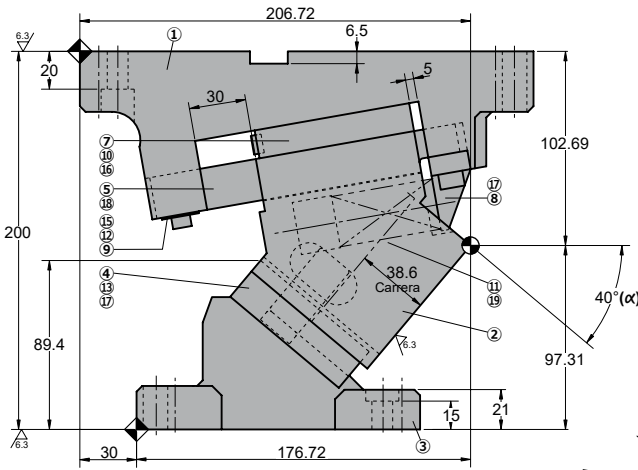
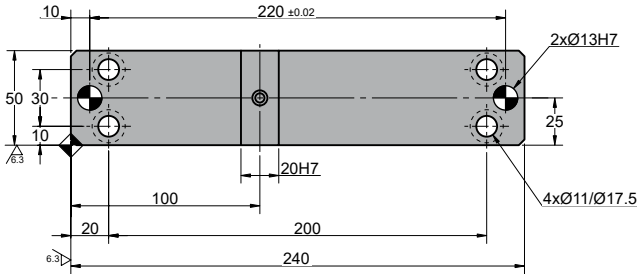
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

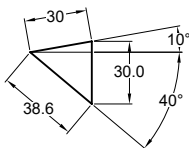
Aerial cam for pierce



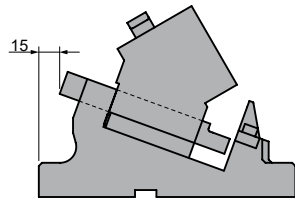
ASCB 0050 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.9	ASCB	0050	40



Order: Model (W) (α)

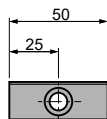
ASCB 0050 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

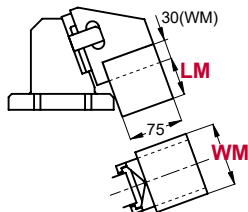


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: Model (W) (α)-Option



ASCB 0050 40-K

ASCB 0050 40-P12

ASCB 0050 40-WM-LM50

ASCB 0050 40-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Broze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

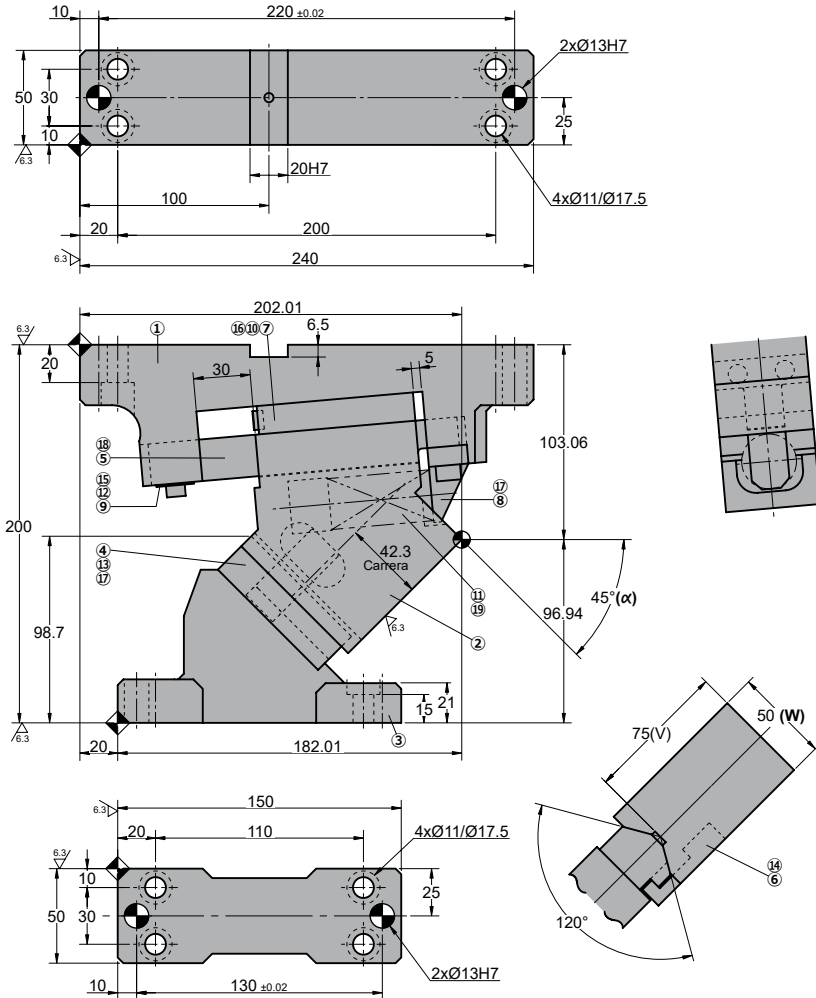
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

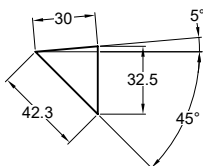
Aerial cam for pierce

AZOL
GAS

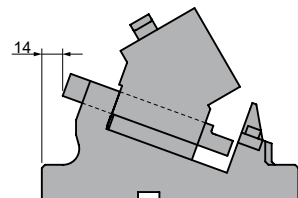
ASCB 0050 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.3	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.6	ASCB	0050	45



Order: **Model (W) (α)**

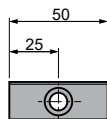
ASCB 0050 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

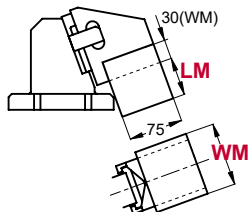


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 45-K

ASCB 0050 45-P12

ASCB 0050 45-WM-LM50

ASCB 0050 45-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

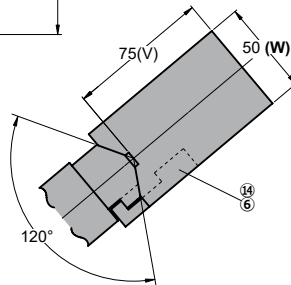
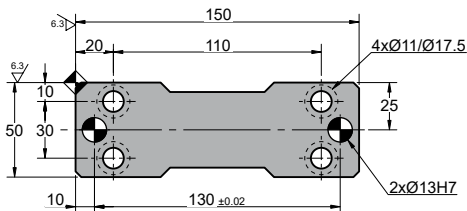
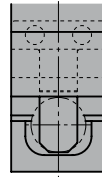
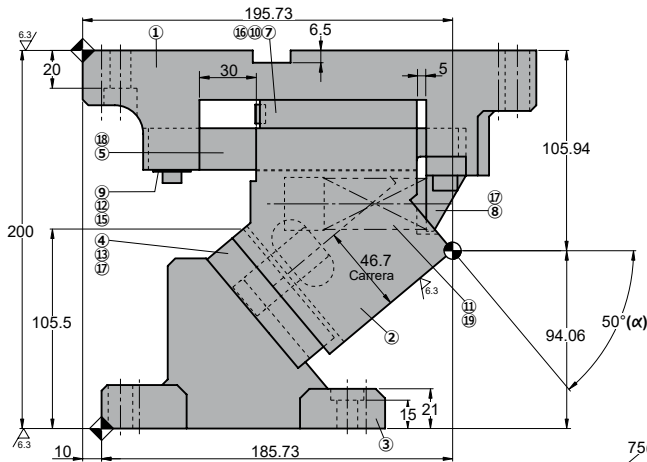
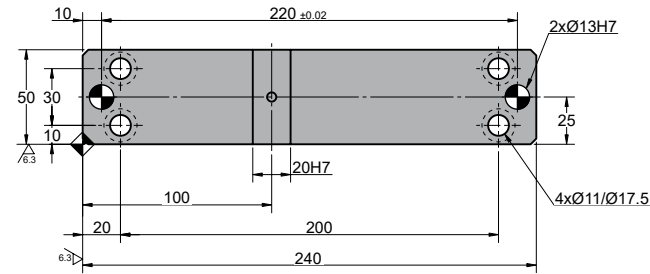
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

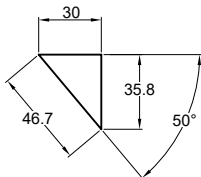
ASCB 0050

Aerial cam for pierce

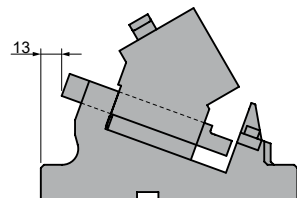
ASCB 0050 50



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.6	ASCB	0050	50



Order: Model (W) (α)

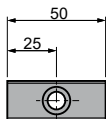
ASCB 0050 50

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

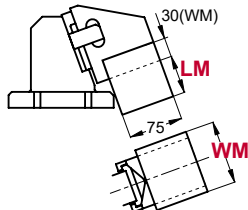


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65mm. f.e. WM65



Order Options: Model (W) (α)-Option



ASCB 0050 50-K

ASCB 0050 50-P12

ASCB 0050 50-WM-LM50

ASCB 0050 50-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

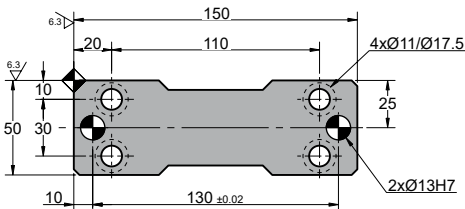
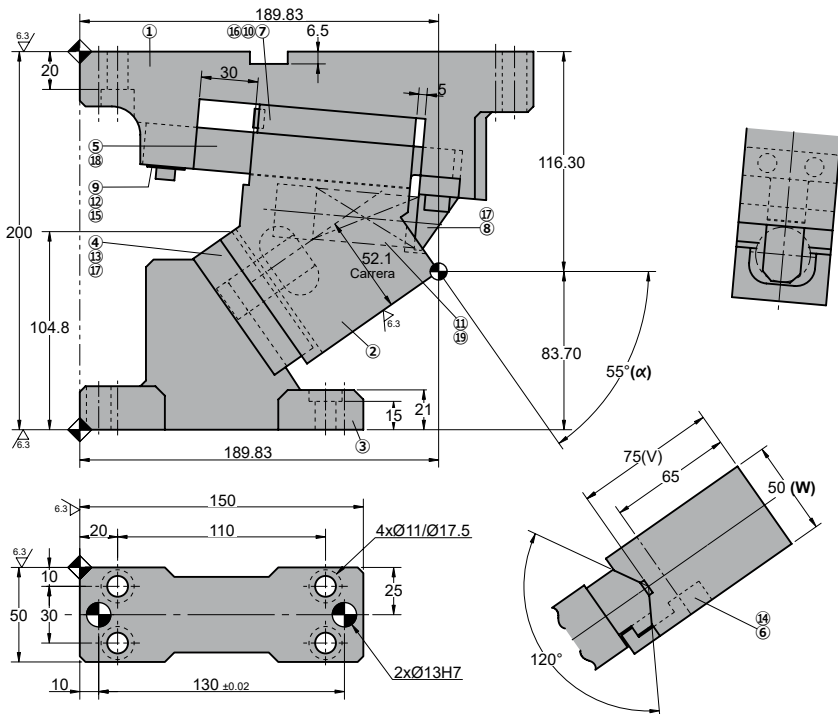
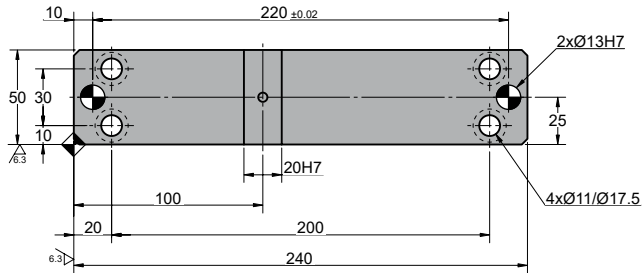
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

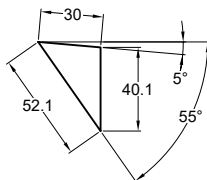
Aerial cam for pierce

AZOL
GAS

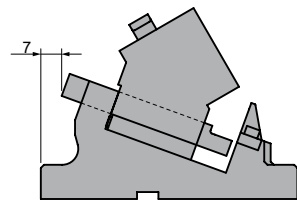
ASCB 0050 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
52.1	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.8	ASCB	0050	55



Order: **Model (W) (α)**

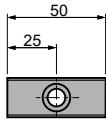
ASCB 0050 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

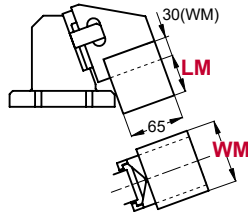


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 55-K

ASCB 0050 55-P12

ASCB 0050 55-WM-LM50

ASCB 0050 55-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

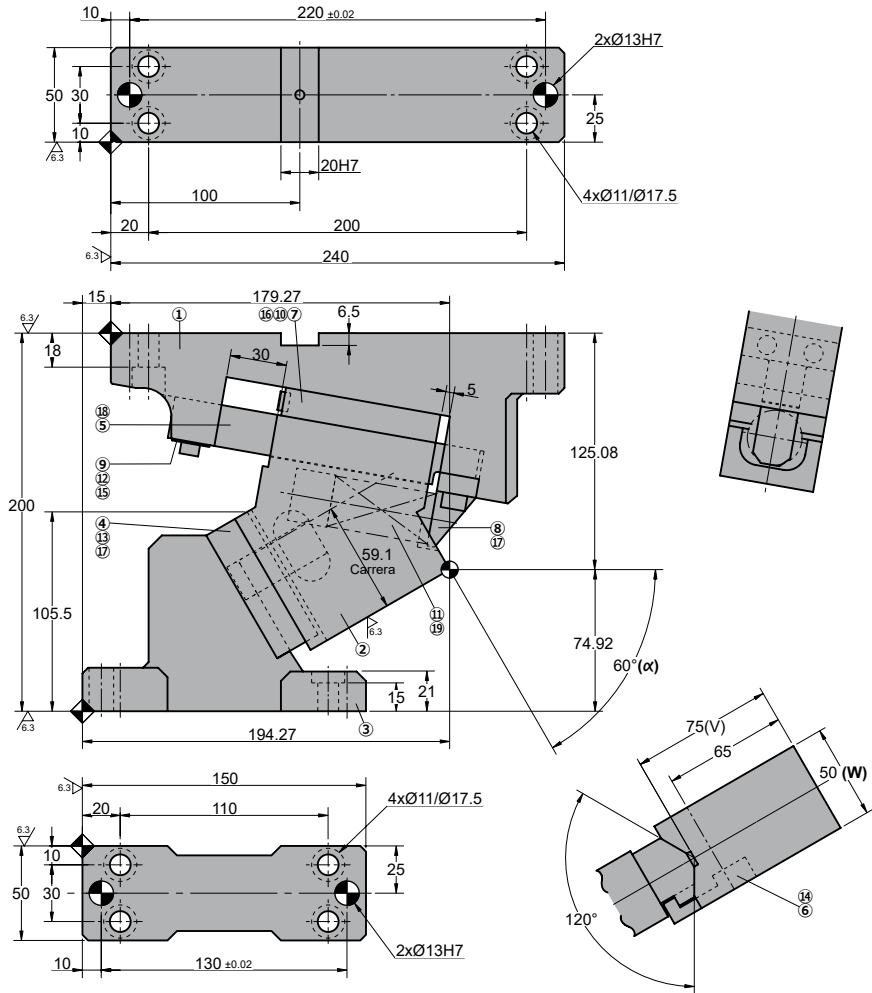
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

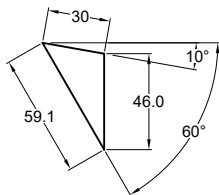
No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

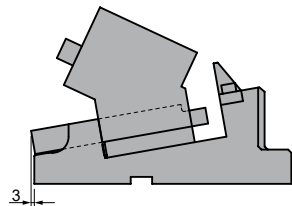
Aerial cam for pierce

ASCB 0050 60

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
59.1	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	11.2	ASCB	0050	60



Order: Model (W) (α)

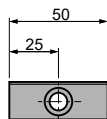
ASCB 0050 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

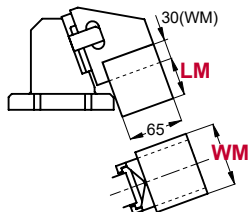


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: Model (W) (α)-Option



ASCB 0050 60-K

ASCB 0050 60-P12

ASCB 0050 60-WM-LM50

ASCB 0050 60-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

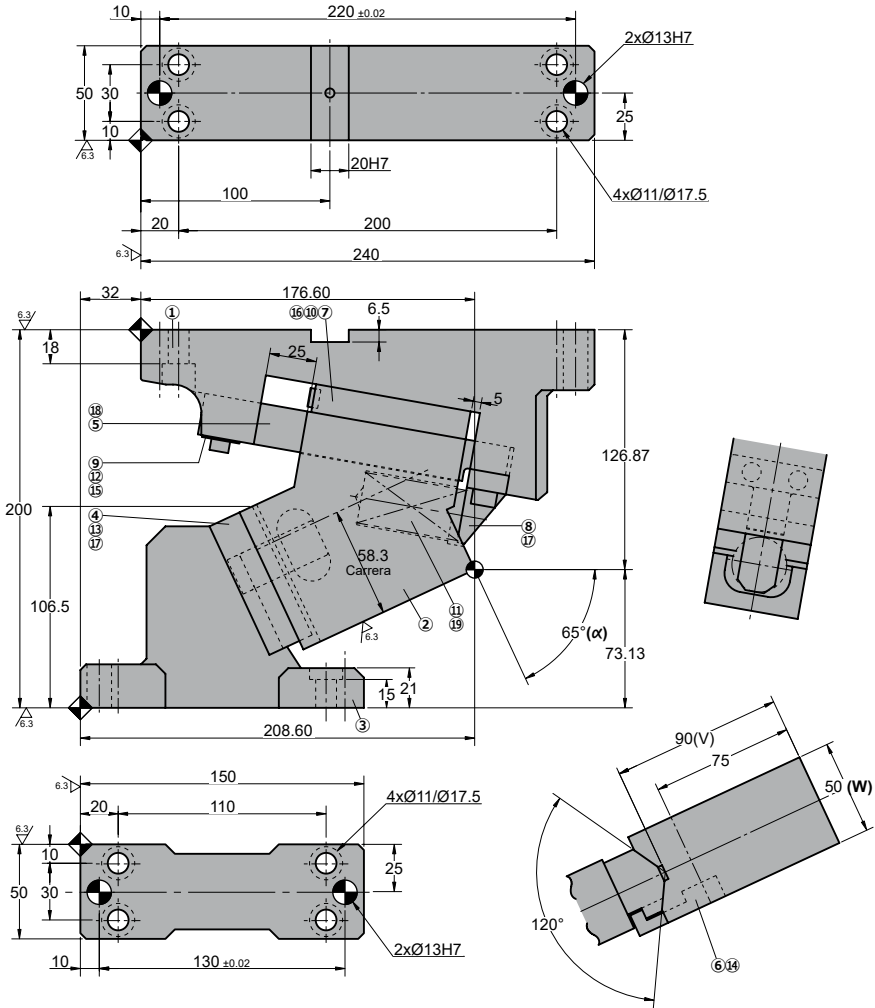
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

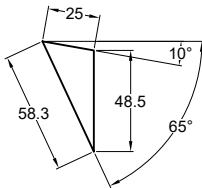
ASCB 0050

Aerial cam for pierce

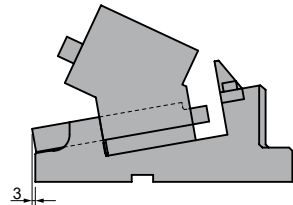
ASCB 0050 65



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
58.3	19.6 (2.0)	39.2 (4.0)	299.8 (30.6)	981.0 (100.0)	11.6	ASCB	0050	65



Order: **Model (W) (α)**

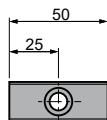
ASCB 0050 65

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

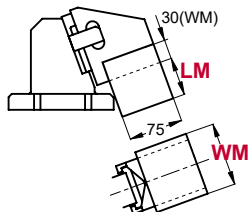


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 65mm.
f.e. WM65



Order Options: **Model (W) (α)-Option**



ASCB 0050 65-K

ASCB 0050 65-P12

ASCB 0050 65-WM-LM50

ASCB 0050 65-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

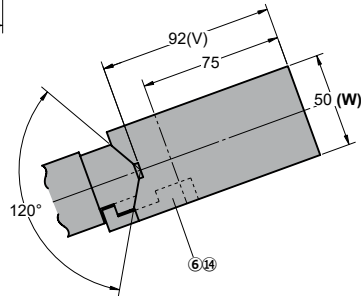
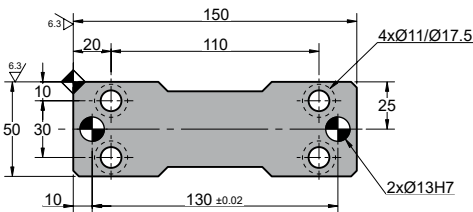
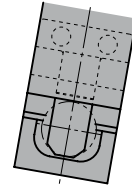
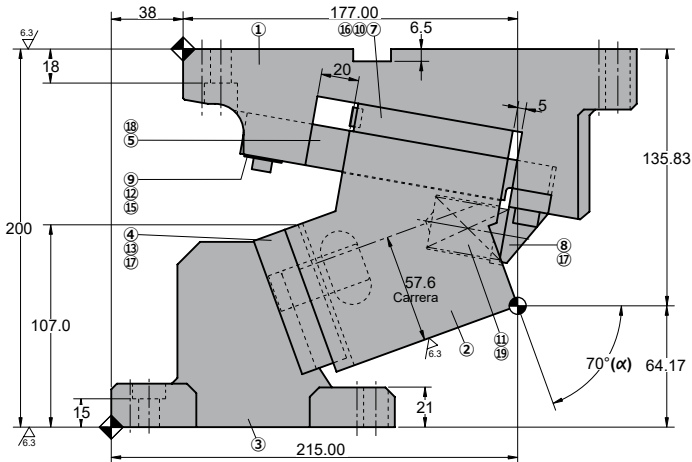
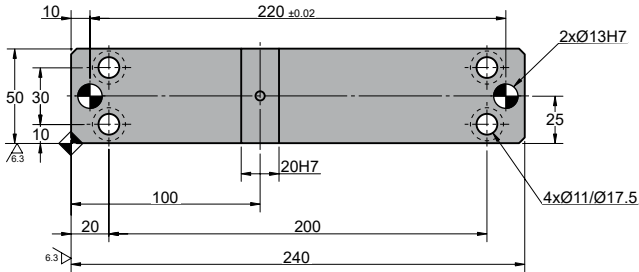
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

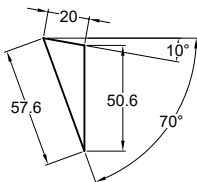
ASCB 0050

Aerial cam for pierce

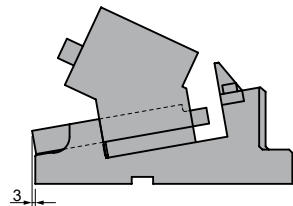
ASCB 0050 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
57.6	19.6 (2.0)	39.2 (4.0)	226.4 (23.1)	981.2 (100.1)	12.0	ASCB	0050	70



Order: Model (W) (α)

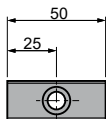
ASCB 0050 70

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

K



1 x M8x15

KEY



P PINS

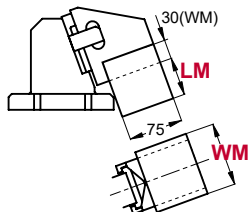


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50

WM Mount width changed to 65mm. f.e. WM65



Order Options: Model (W) (α)-Option



ASCB 0050 70-K

ASCB 0050 70-P12

ASCB 0050 70-WM-LM50

ASCB 0050 70-P12-WM-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑦ Upper Slide Plate
- ⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-65
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

No.	Description	Qty.	Material
⑮	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

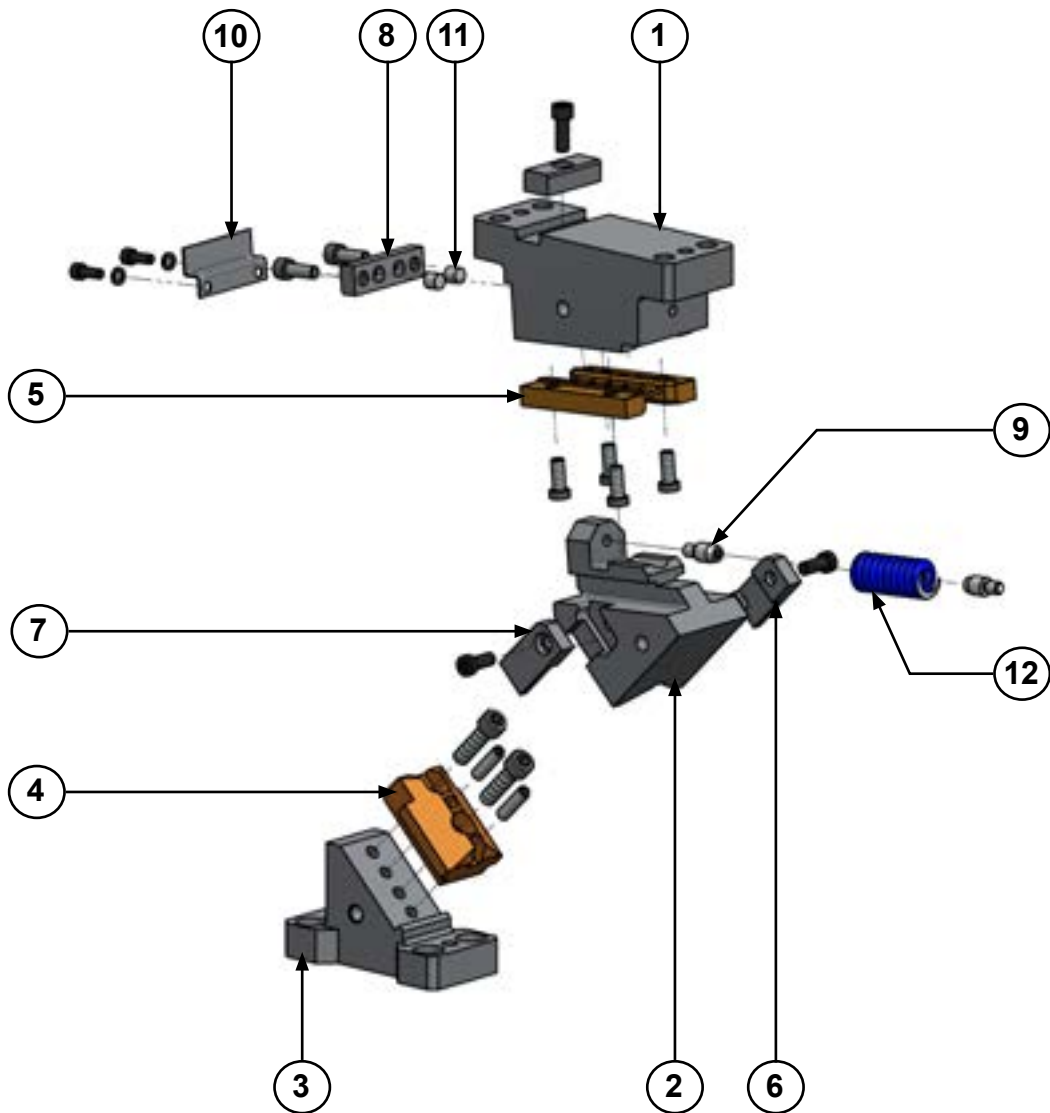
ASCB 0050



Aerial cam for pierce

ASCB 0065

Aerial cam for pierce

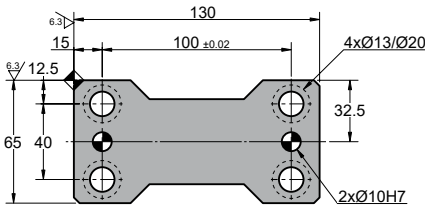
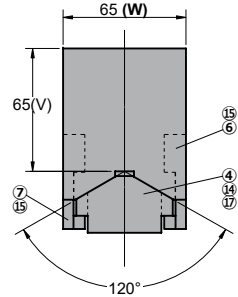
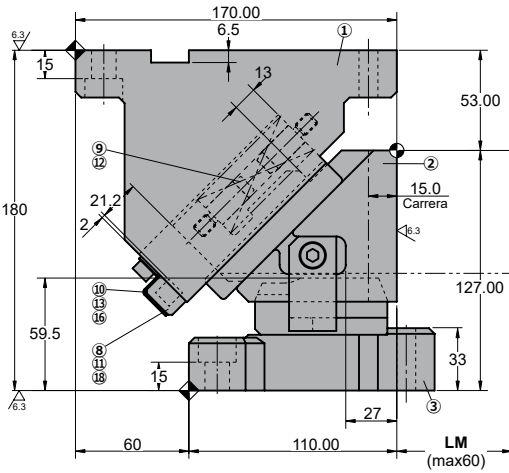
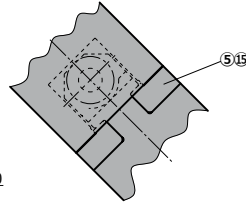
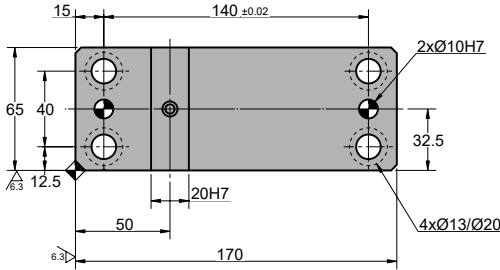


ASCB 0065

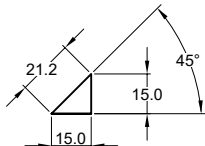
Aerial cam for pierce



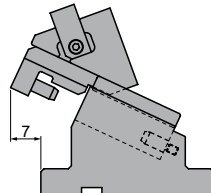
ASCB 0065 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.0	19.6 (2.0)	39.2 (4.0)	288.0 (29.4)	1186.1 (121.0)	9.5	ASCB	0065	00



Order: Model (W) (α)

ASCB 0065 00

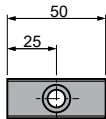
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

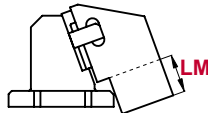


1 x M8x15

LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ASCB 0065 00-K

ASCB 0065 00-LM50

ASCB 0065 00-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

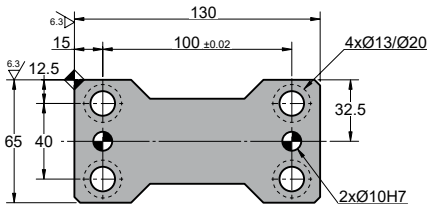
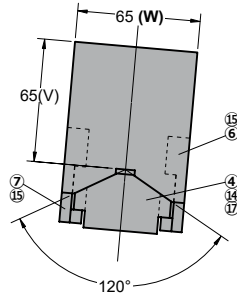
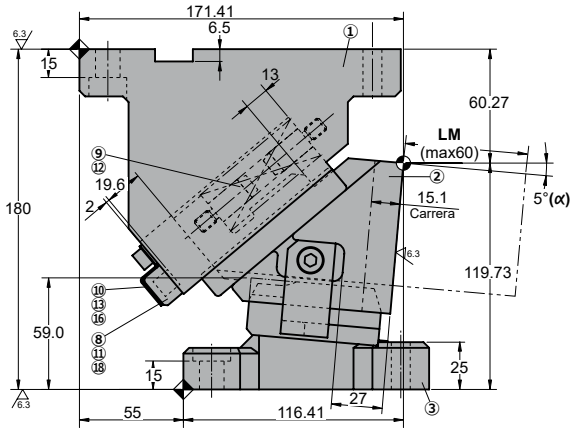
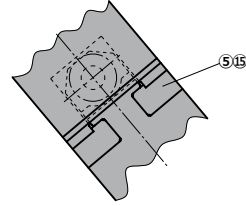
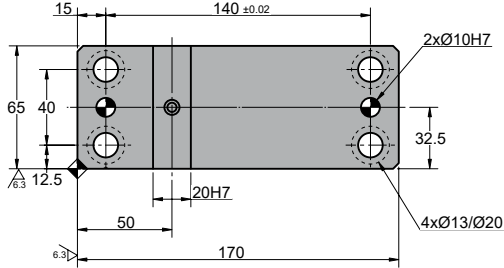
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-90
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

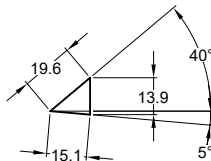
ASCB 0065

Aerial cam for pierce

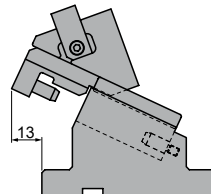
ASCB 0065 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.1	19.6 (2.0)	39.2 (4.0)	355.8 (36.3)	1186.1 (121.0)	9.3	ASCB	0065	05



Order: **Model** **(W)** **(α)**

ASCB 0065 05

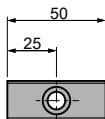
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

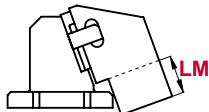


1 x M8x15

LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: **Model** **(W)** **(α)-Option**



ASCB 0065 05-K

ASCB 0065 05-LM50

ASCB 0065 05-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-90
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

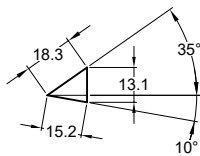
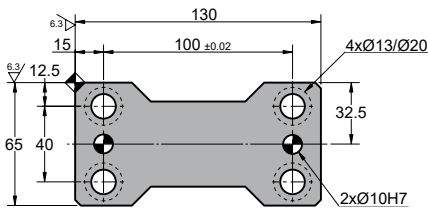
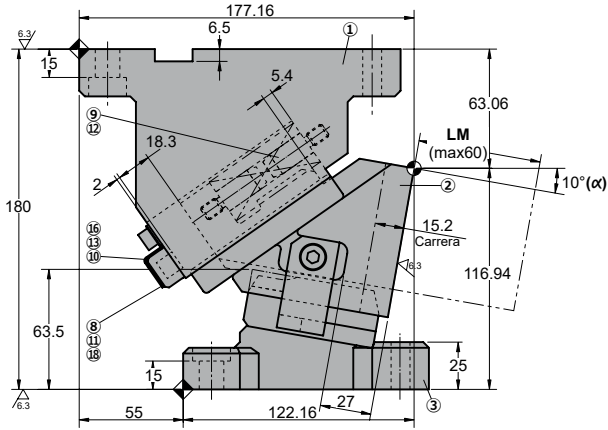
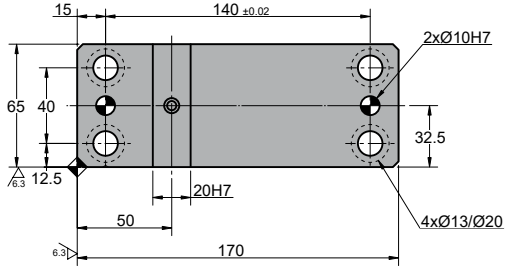
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

Aerial cam for pierce

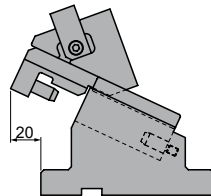


ASCB 0065 10



Cam diagram:

Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.2	19.6 (2.0)	39.2 (4.0)	347.9 (35.5)	1220.1 (124.5)	9.0	ASCB	0065	10



Order: **Model** (**W**) (**α**)

ASCB 0065 10

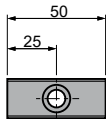
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



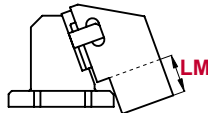
1 x M8x15



LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: **Model** (**W**) (**α**)-Option



ASCB 0065 10-K

ASCB 0065 10-LM50

ASCB 0065 10-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

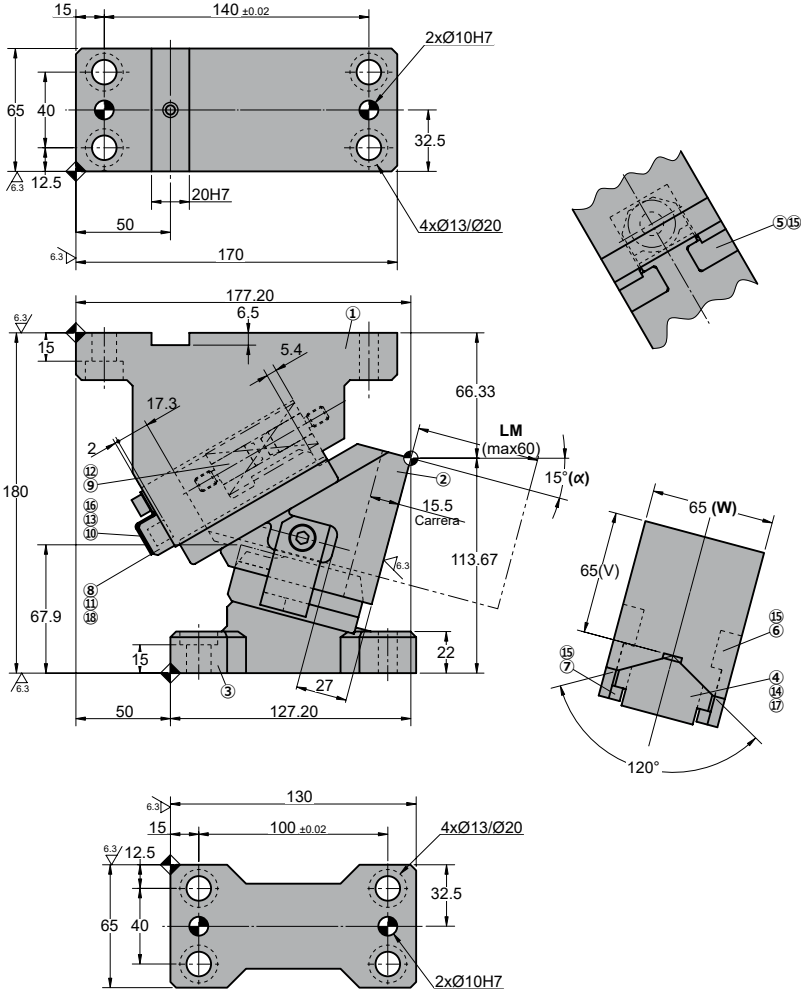
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

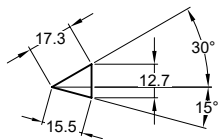
Aerial cam for pierce



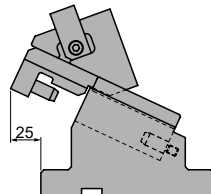
ASCB 0065 15



◦Cam diagram:



◦Desassembling space:

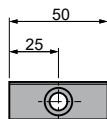


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.5	19.6 (2.0)	39.2 (4.0)	395.6 (40.3)	1220.1 (124.5)	8.8	ASCB	0065	15


Order: Model (W) (α)
ASCB 0065 15

 Standard order example according to catalog sheet.
 Add options applying options table contents.

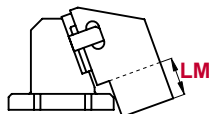
OPTIONS

K
KEY
K


1 x M8x15

LM
MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50


Order Options: Model (W) (α)-Option

ASCB 0065 15-K
ASCB 0065 15-LM50
ASCB 0065 15-LM50-K

SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

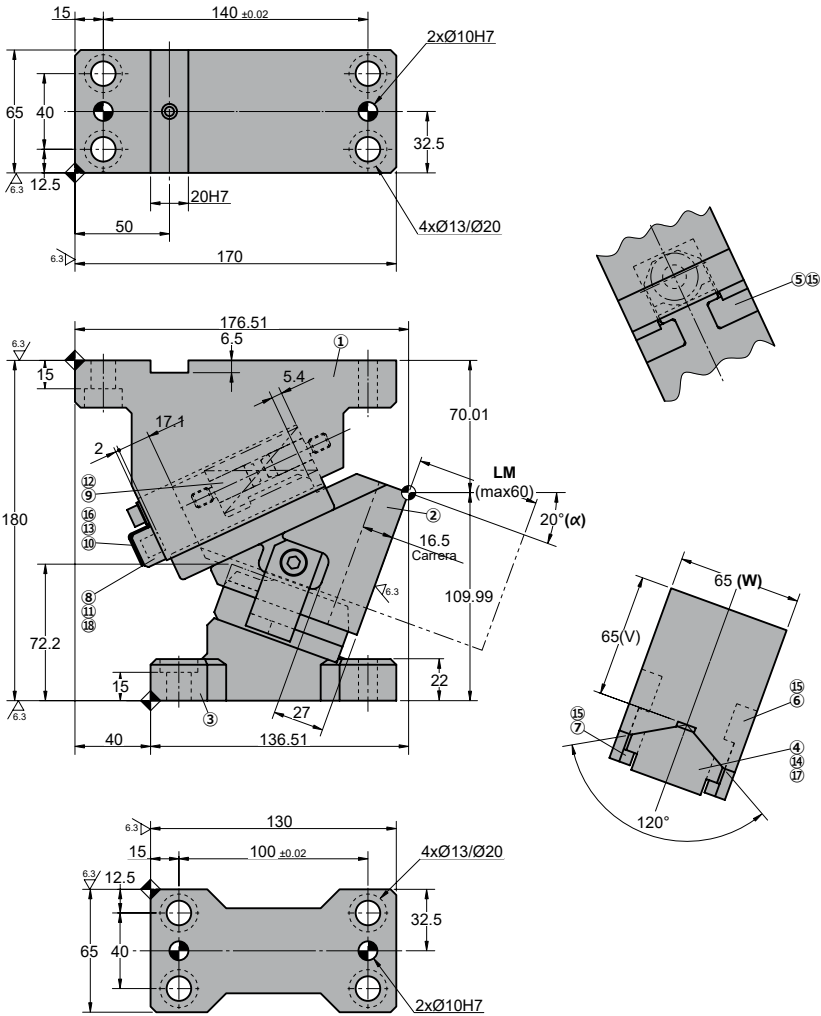
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

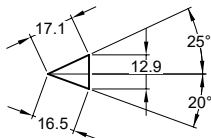
Aerial cam for pierce



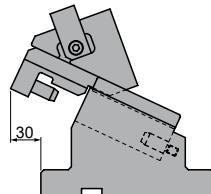
ASCB 0065 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
16.5	19.6 (2.0)	39.2 (4.0)	405.1 (41.3)	1220.1 (124.5)	8.6	ASCB	0065	20



Order: Model (W) (α)

ASCB 0065 20

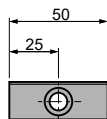
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

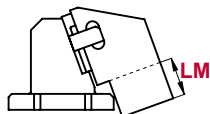


1 x M8x15

LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ASCB 0065 20-K

ASCB 0065 20-LM50

ASCB 0065 20-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

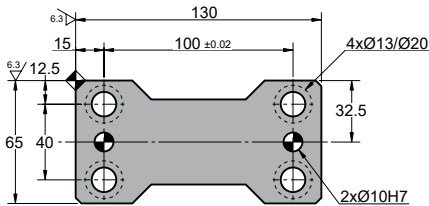
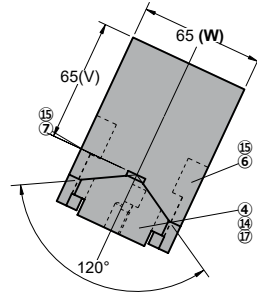
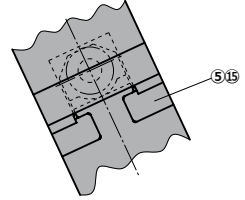
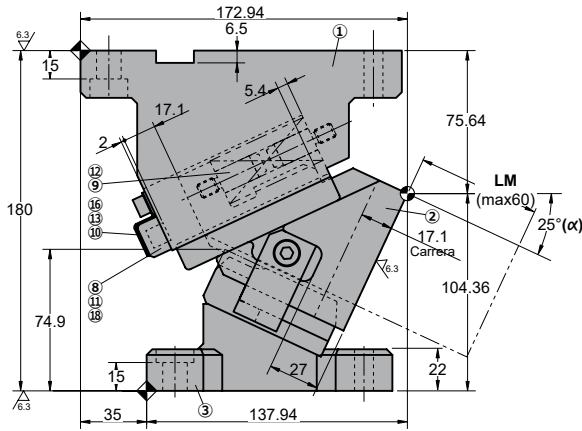
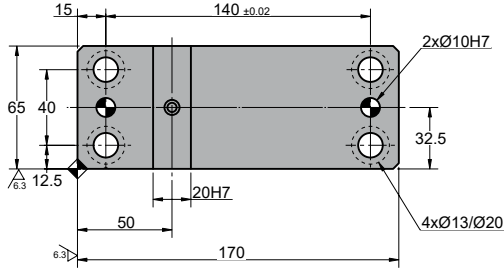
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

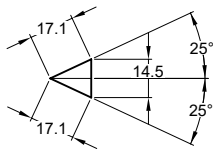
Aerial cam for pierce



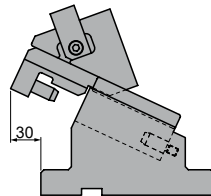
ASCB 0065 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
17.1	19.6 (2.0)	39.2 (4.0)	405.1 (41.3)	1220.1 (124.5)	8.5	ASCB	0065	25



Order: Model (W) (α)

ASCB 0065 25

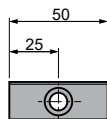
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

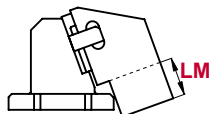


1 x M8x15

LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ASCB 0065 25-K

ASCB 0065 25-LM50

ASCB 0065 25-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

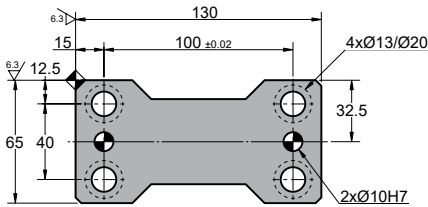
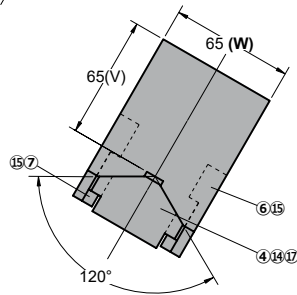
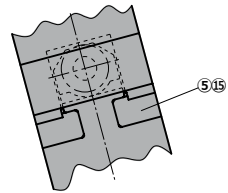
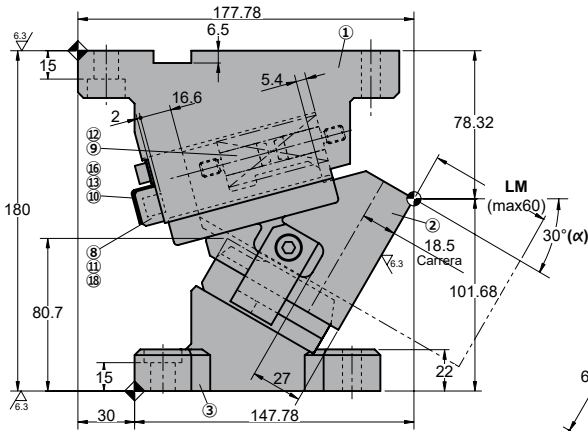
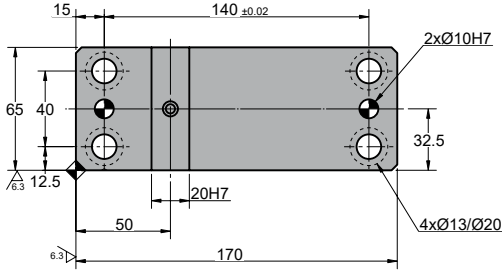
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

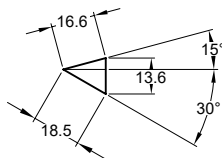
Aerial cam for pierce



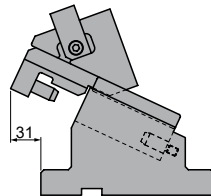
ASCB 0065 30



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
18.5	19.6 (2.0)	39.2 (4.0)	428.9 (43.8)	1220.1 (124.5)	8.3	ASCB	0065	30



Order: **Model** (**W**) (**α**)

ASCB 0065 30

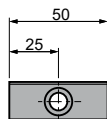
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

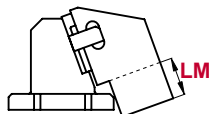


1 x M8x15

LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: **Model** (**W**) (**α**)-Option



ASCB 0065 30-K

ASCB 0065 30-LM50

ASCB 0065 30-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

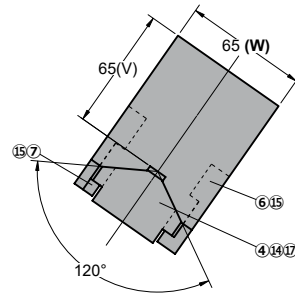
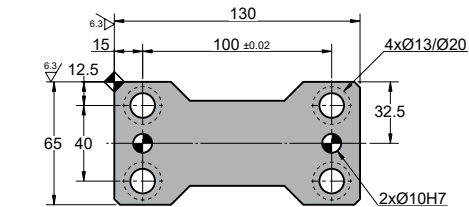
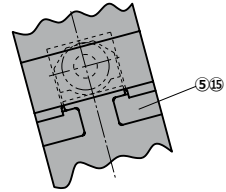
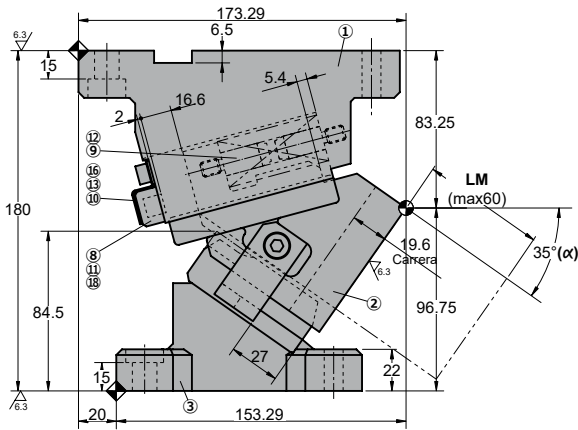
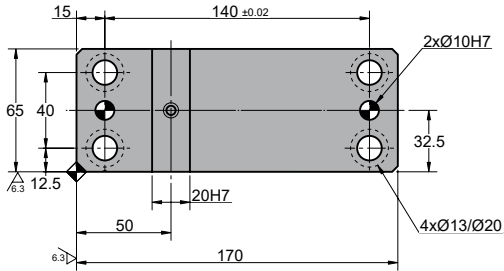
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

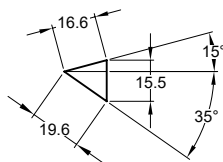
Aerial cam for pierce

AZOL
GAS

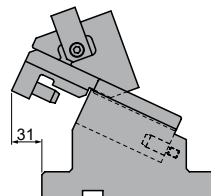
ASCB 0065 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
19.6	19.6 (2.0)	39.2 (4.0)	428.9 (43.8)	1220.1 (124.5)	8.3	ASCB	0065	35



Order: Model (W) (α)

ASCB 0065 35

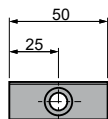
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



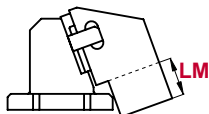
1 x M8x15



LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ASCB 0065 35-K

ASCB 0065 35-LM50

ASCB 0065 35-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

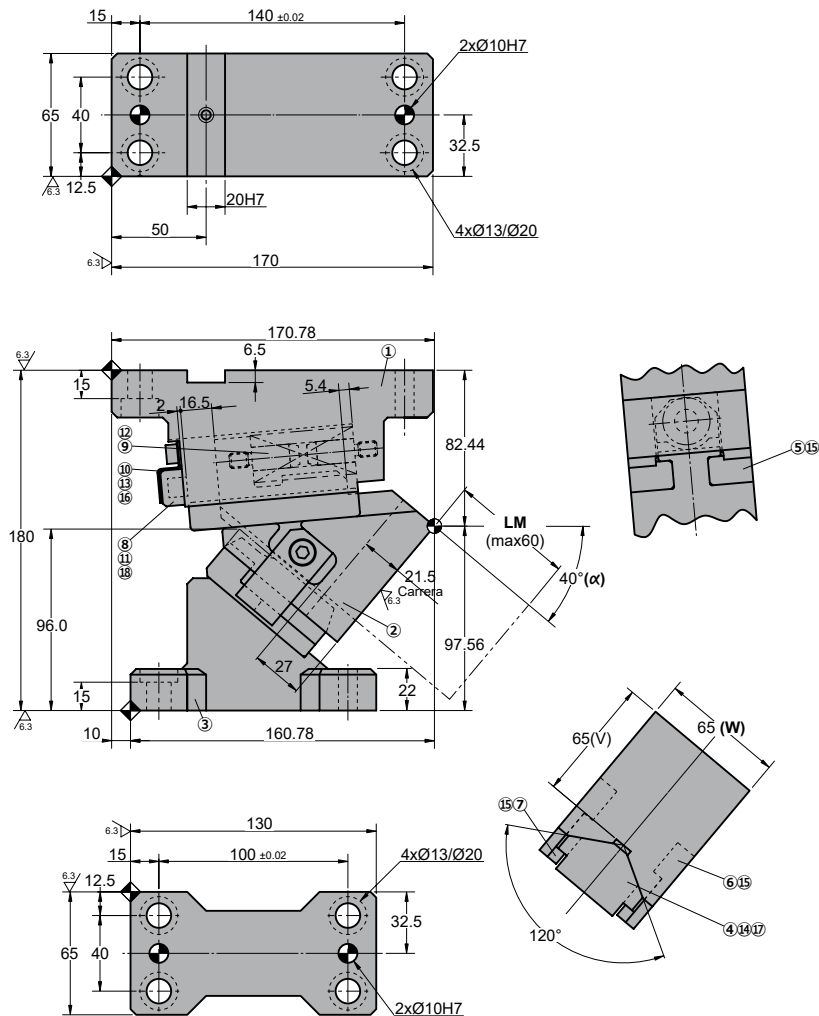
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

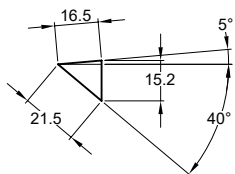
Aerial cam for pierce

**AZOL
GAS** 

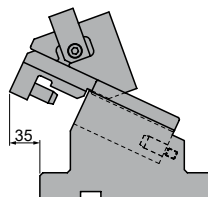
ASCB 0065 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
21.5	19.6 (2.0)	39.2 (4.0)	433.7 (44.3)	1220.1 (124.5)	8.1	ASCB	0065	40



Order: Model (W) (α)

ASCB 0065 40

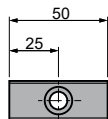
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

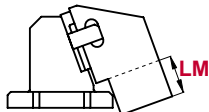


1 x M8x15

LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ASCB 0065 40-K

ASCB 0065 40-LM50

ASCB 0065 40-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

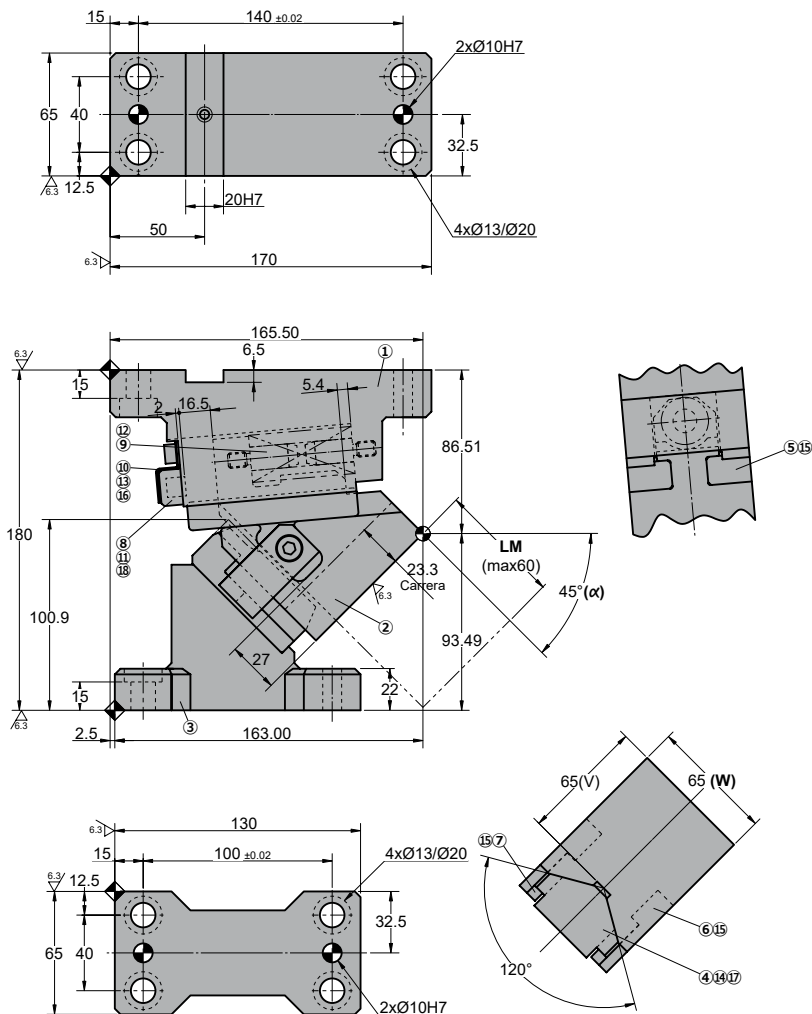
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

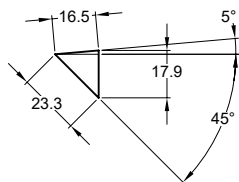
Aerial cam for pierce

**AZOL
GAS** 

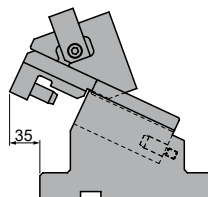
ASCB 0065 45



◦Cam diagram:



◦Desassembling space:

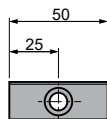


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
23.3	19.6 (2.0)	39.2 (4.0)	433.7 (44.3)	1220.1 (124.5)	8.1	ASCB	0065	45


Order: Model (W) (α)
ASCB 0065 45

 Standard order example according to catalog sheet.
 Add options applying options table contents.

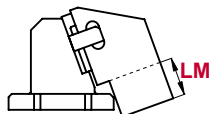
OPTIONS

K
KEY
K


1 x M8x15

LM
MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50


Order Options: Model (W) (α)-Option

ASCB 0065 45-K
ASCB 0065 45-LM50
ASCB 0065 45-LM50-K

SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

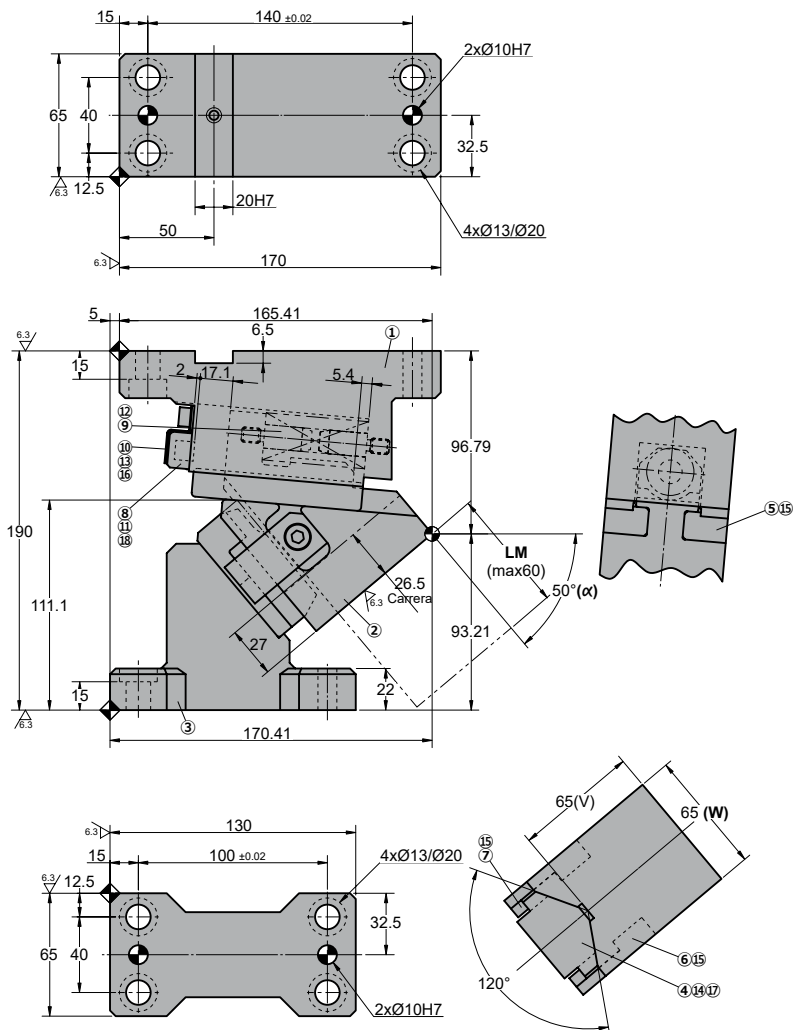
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

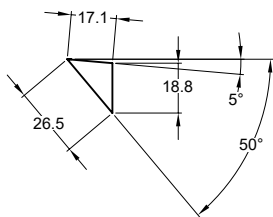
Aerial cam for pierce

**AZOL
GAS**

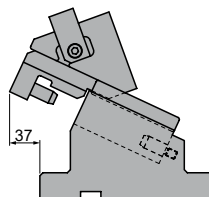
ASCB 0065 50



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
26.5	19.6 (2.0)	39.2 (4.0)	405.1 (41.3)	1220.1 (124.5)	8.4	ASCB	0065	50



Order: **Model** (**W**) (**α**)

ASCB 0065 50

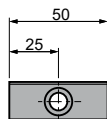
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

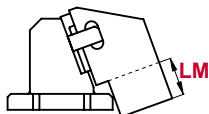


1 x M8x15

LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: **Model** (**W**) (**α**)-Option



ASCB 0065 50-K

ASCB 0065 50-LM50

ASCB 0065 50-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

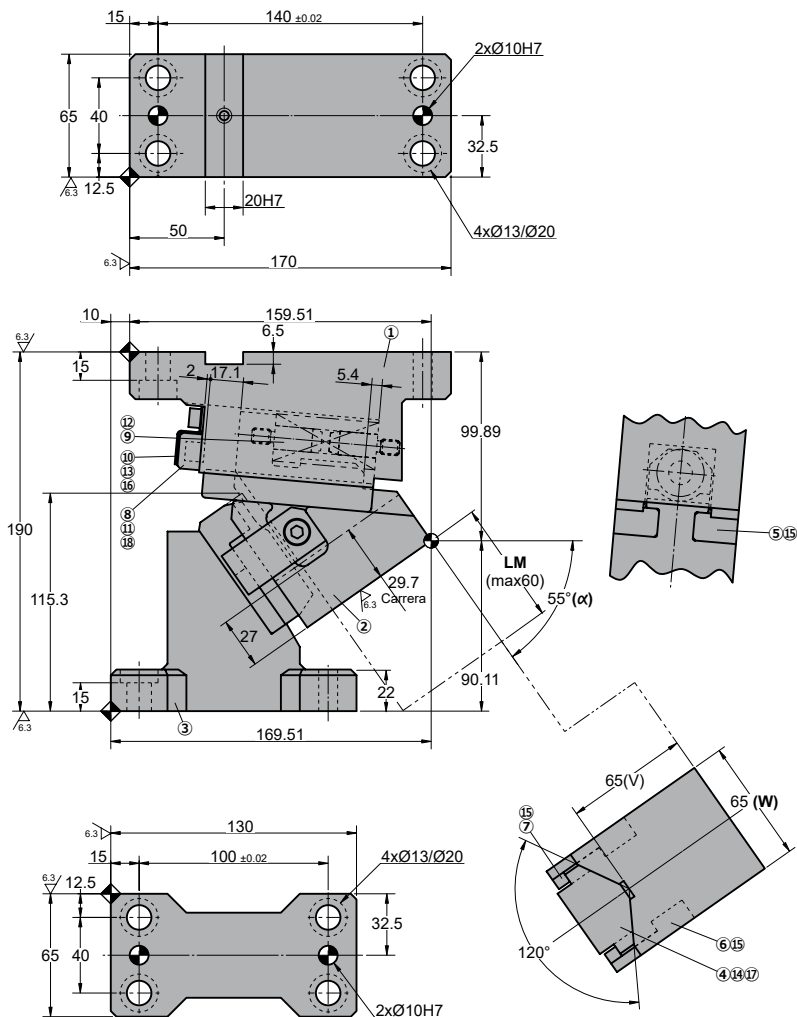
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

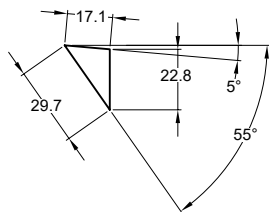
Aerial cam for pierce

**AZOL
GAS** 

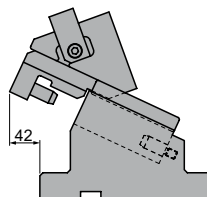
ASCB 0065 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
29.7	19.6 (2.0)	39.2 (4.0)	405.1 (41.3)	1220.1 (124.5)	8.4	ASCB	0065	55



Order: **Model** (**W**) (**α**)

ASCB 0065 55

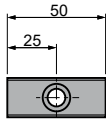
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



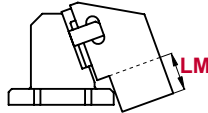
1 x M8x15



LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: **Model** (**W**) (**α**)-Option



ASCB 0065 55-K

ASCB 0065 55-LM50

ASCB 0065 55-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

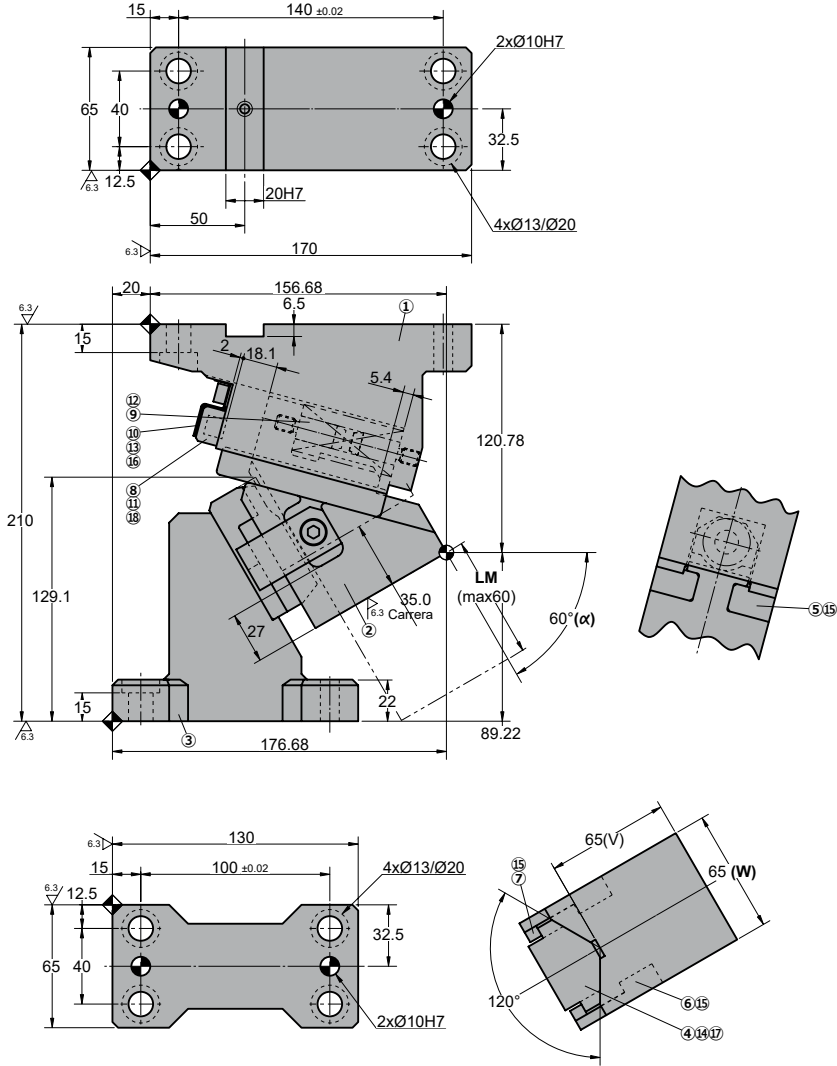
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

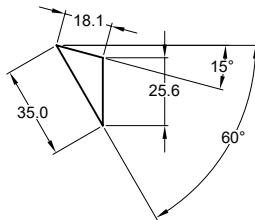
Aerial cam for pierce



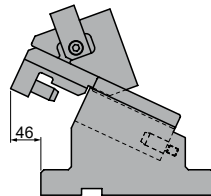
ASCB 0065 60



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.0	19.6 (2.0)	39.2 (4.0)	357.5 (36.5)	1220.1 (124.5)	9.3	ASCB	0065	60



Order: **Model** (**W**) (**α**)

ASCB 0065 60

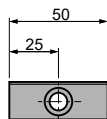
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



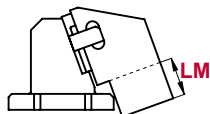
1 x M8x15



LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: **Model** (**W**) (**α**)-Option



ASCB 0065 60-K

ASCB 0065 60-LM50

ASCB 0065 60-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

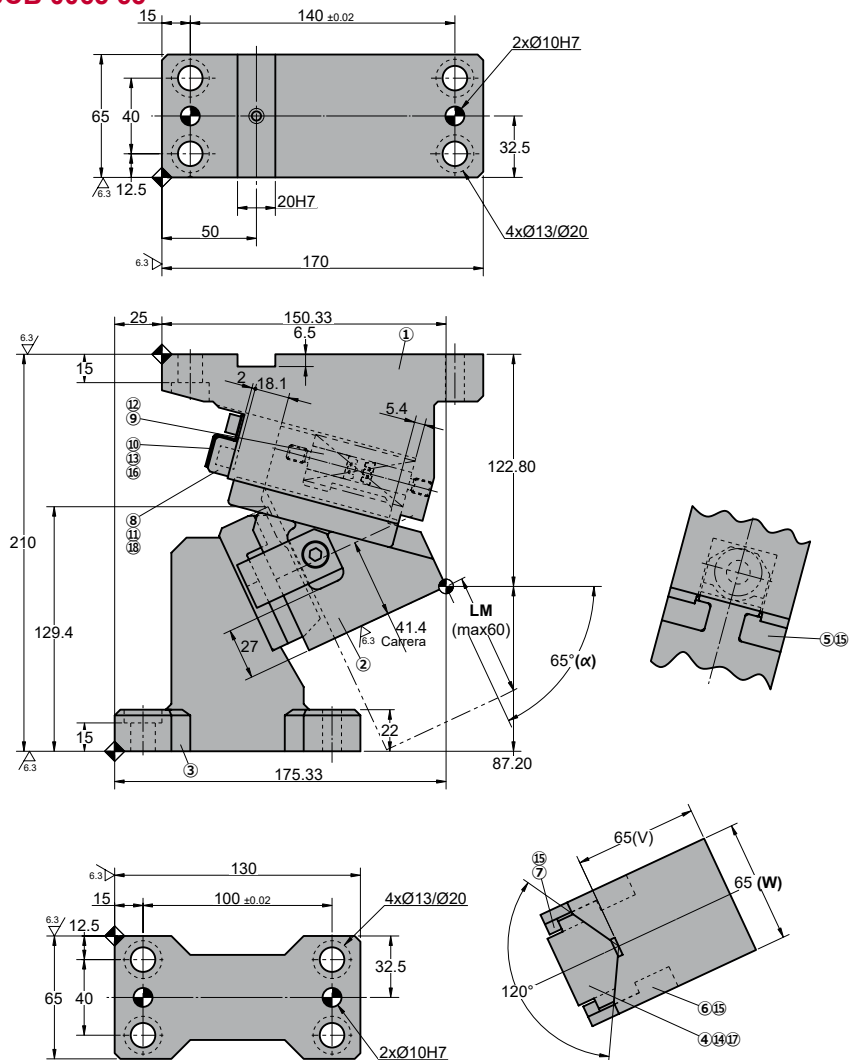
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

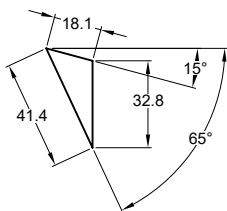
Aerial cam for pierce



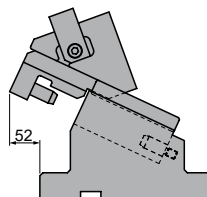
ASCB 0065 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
41.4	19.6 (2.0)	39.2 (4.0)	357.5 (36.5)	1220.1 (124.5)	9.3	ASCB	0065	65



Order: Model (W) (α)

ASCB 0065 65

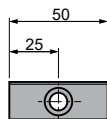
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

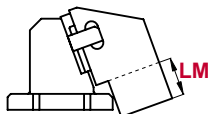


1 x M8x15

LM

MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50



Order Options: Model (W) (α)-Option



ASCB 0065 65-K

ASCB 0065 65-LM50

ASCB 0065 65-LM50-K



SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

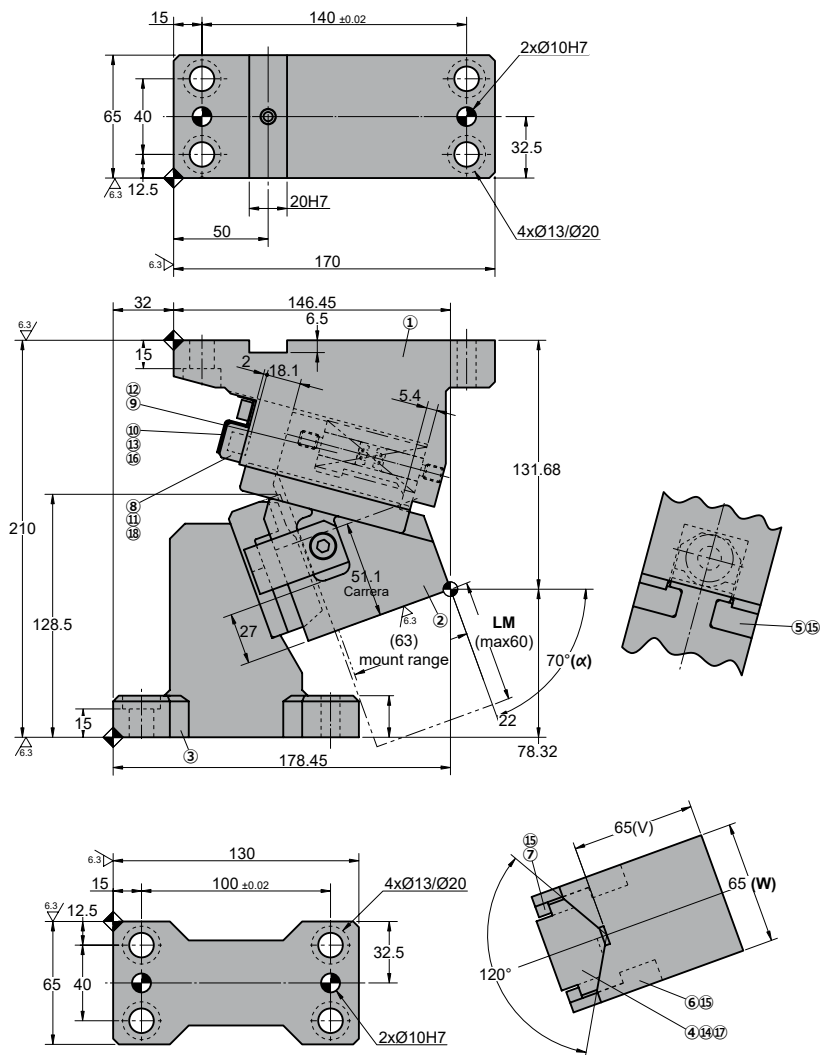
No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

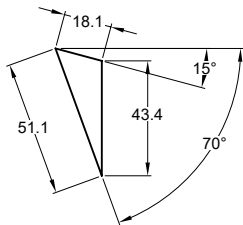
Aerial cam for pierce

**AZOL
GAS**

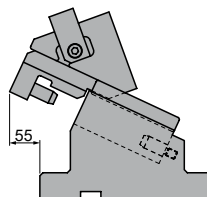
ASCB 0065 70



◦Cam diagram:



◦Desassembling space:

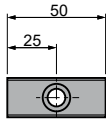


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
51.1	19.6 (2.0)	39.2 (4.0)	357.5 (36.5)	1220.1 (124.5)	9.5	ASCB	0065	70

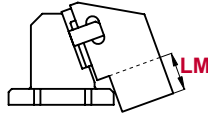

Order: Model (W) (α)
ASCB 0065 70

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY
K


1 x M8x15


LM
MOUNT
LM Extensible slider
 mount from 1 to 60 mm
 (increments of 1 mm).
 f.e. LM50

Order Options: Model (W) (α)-Option

ASCB 0065 70-K
ASCB 0065 70-LM50
ASCB 0065 70-LM50-K

SPARE PARTS:

- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

No.	Description	Qty.	Material
⑮	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

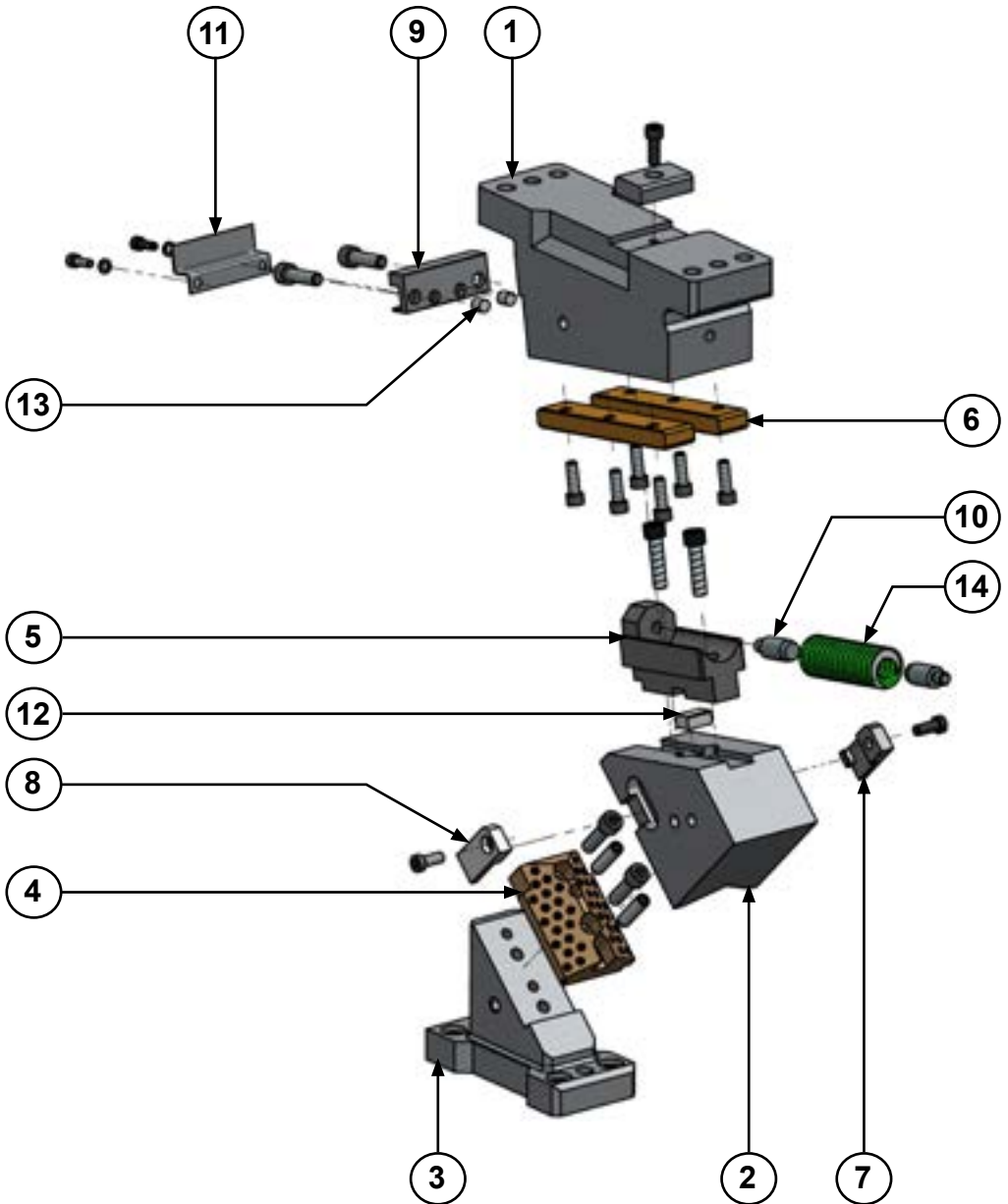
ASCB 0065



Aerial cam for pierce

ASCB 0080

Aerial cam for pierce



ASCB 0080 - ASFK 0080

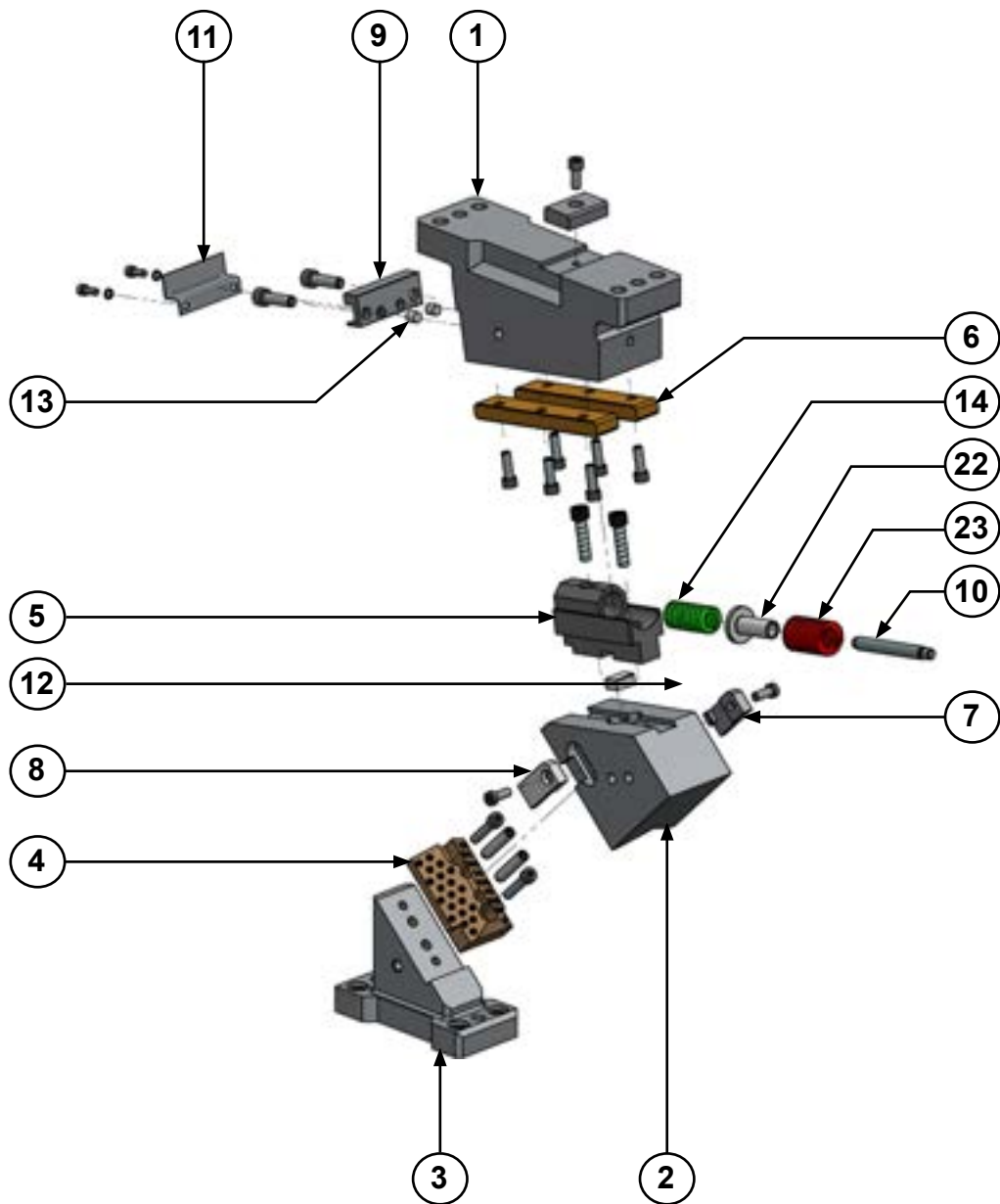


Aerial cam for pierce



ASFK 0080

Aerial cam for pierce



ASCB 0080 - ASFK 0080

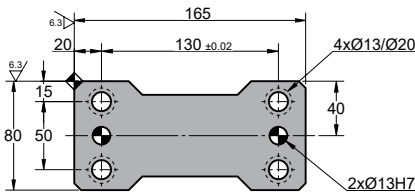
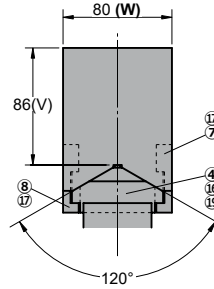
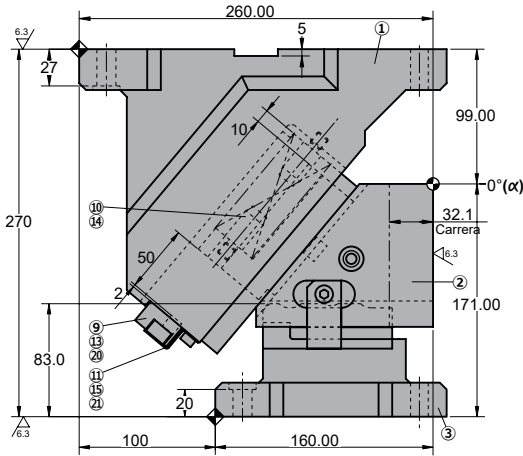
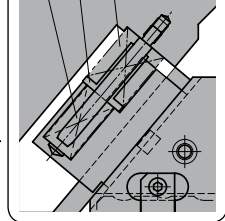
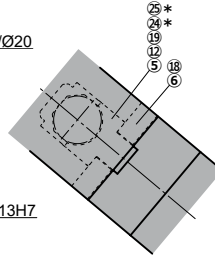
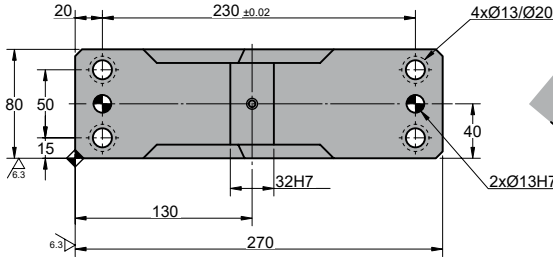


Aerial cam for pierce

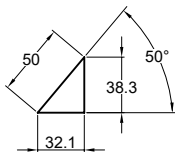
ASCB 0080 00
ASFK 0080 00

ASFK 0080 00
SPRING SYSTEM

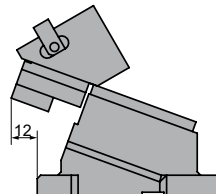
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.1	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	25.9	ASCB	0080	00
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



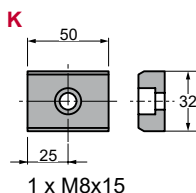
Order: Model (W) (α)

ASCB 0080 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

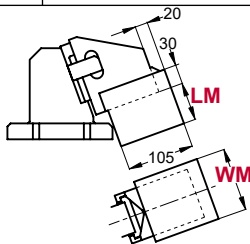
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 00-K

ASCB 0080 00-P16

ASCB 0080 00-WM100-LM50

ASCB 0080 00-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

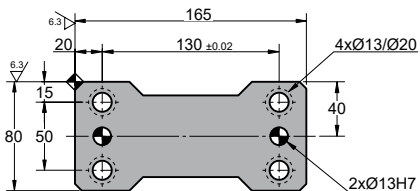
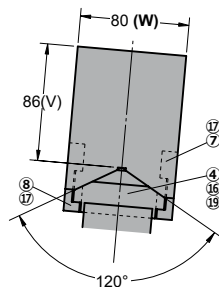
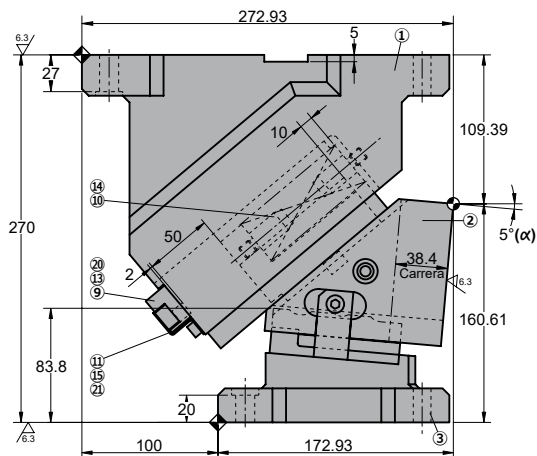
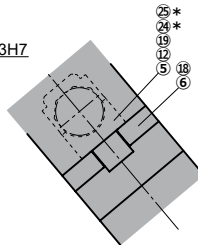
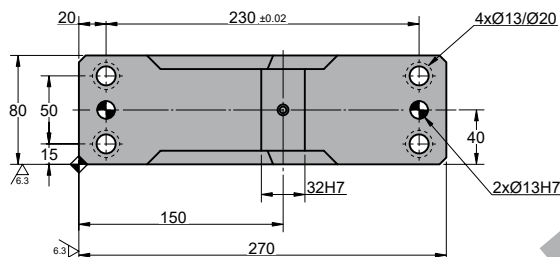
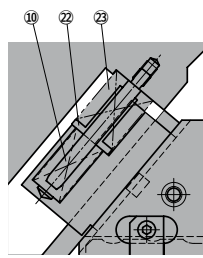


Aerial cam for pierce

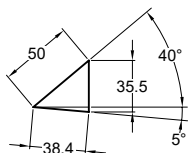
ASCB 0080 05
ASFK 0080 05

ASFK 0080 05
SPRING SYSTEM

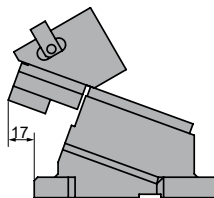
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.4	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	26.3	ASCB	0080	05
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



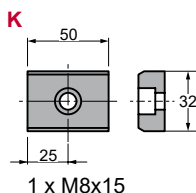
Order: Model (W) (α)

ASCB 0080 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

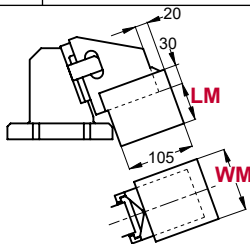
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 05-K

ASCB 0080 05-P16

ASCB 0080 05-WM100-LM50

ASCB 0080 05-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

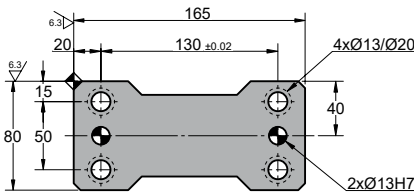
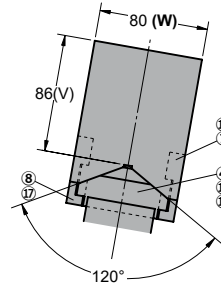
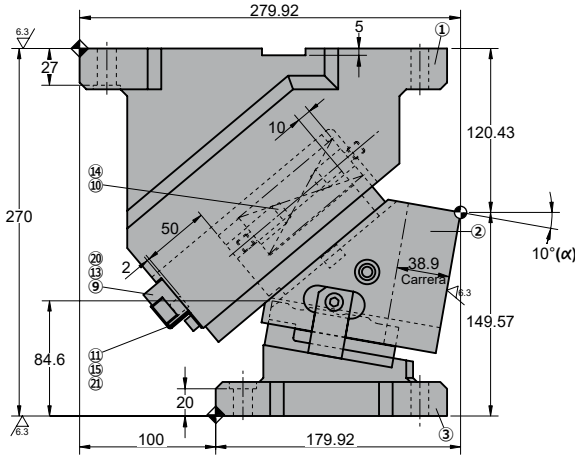
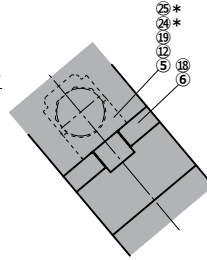
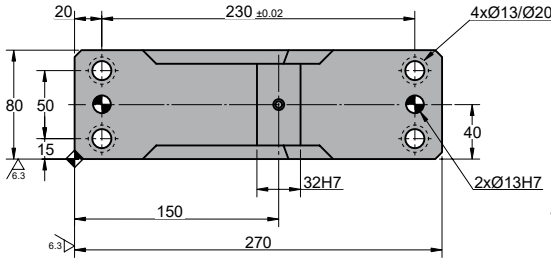
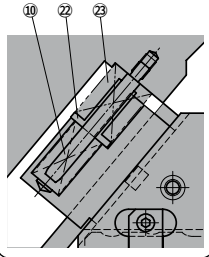


Aerial cam for pierce

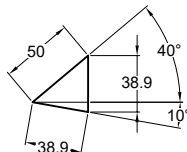
ASCB 0080 10
ASFK 0080 10

ASFK 0080 10
SPRING SYSTEM

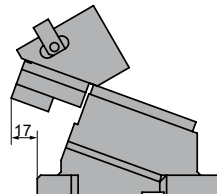
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.9	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	26.6	ASCB	0080	10
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



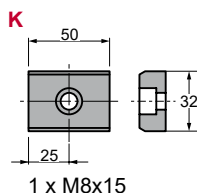
Order: Model (W) (α)

ASCB 0080 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

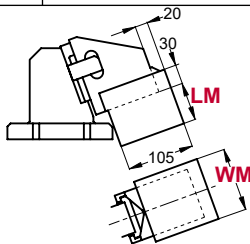
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 10-K

ASCB 0080 10-P16

ASCB 0080 10-WM100-LM50

ASCB 0080 10-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

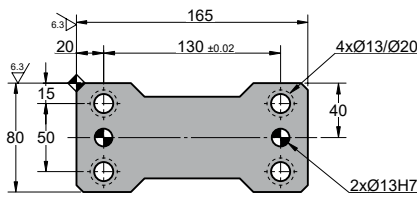
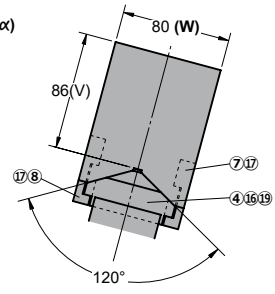
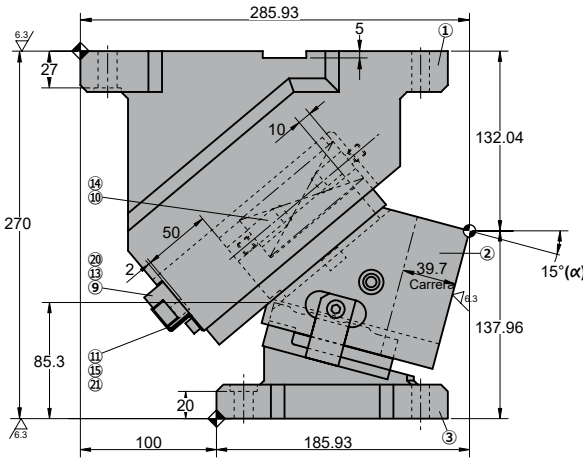
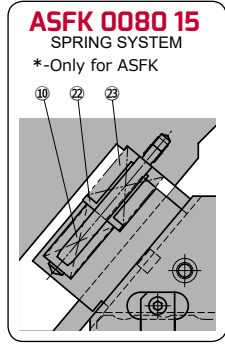
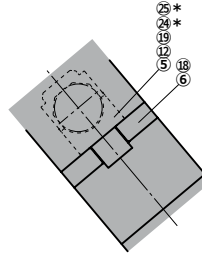
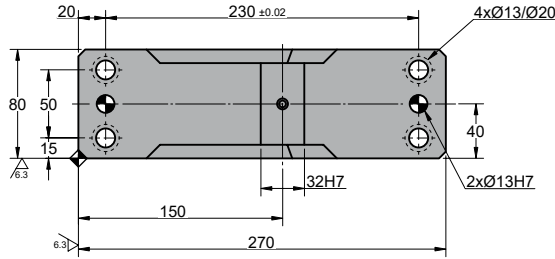
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

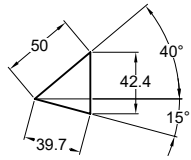


Aerial cam for pierce

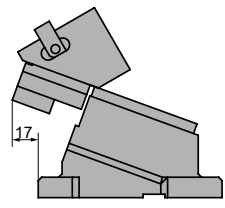
ASCB 0080 15 ASFK 0080 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.7	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	25.1	ASCB	0080	15
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



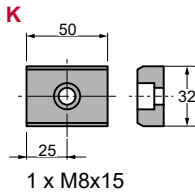
Order: Model (W) (α)

ASCB 0080 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

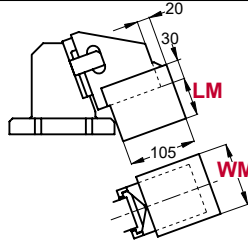
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 15-K

ASCB 0080 15-P16

ASCB 0080 15-WM100-LM50

ASCB 0080 15-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

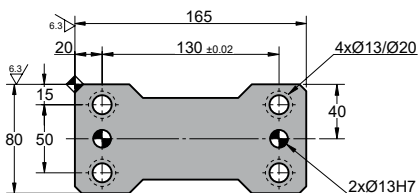
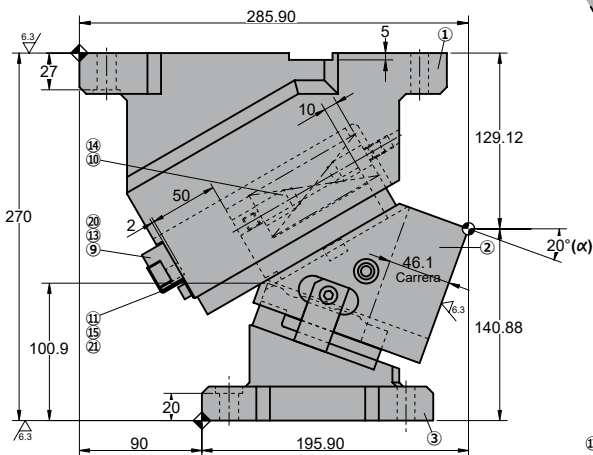
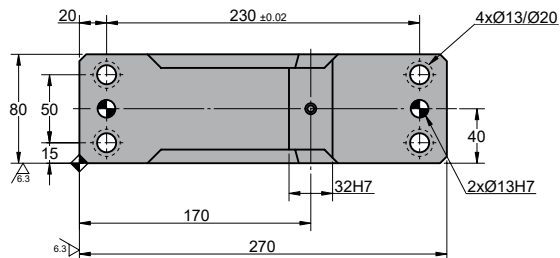
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080



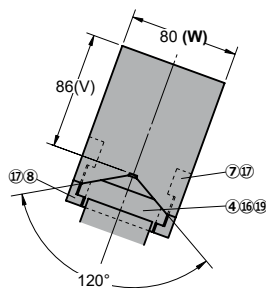
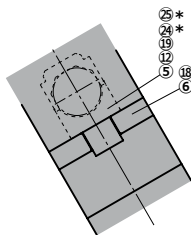
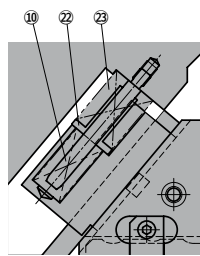
Aerial cam for pierce

ASCB 0080 20 ASFK 0080 20

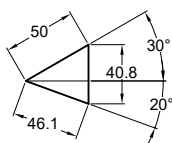


ASFK 0080 20 SPRING SYSTEM

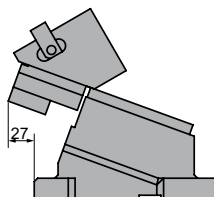
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.1	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	25.3	ASCB	0080	20
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



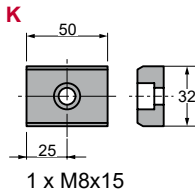
Order: Model (W) (α)

ASCB 0080 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

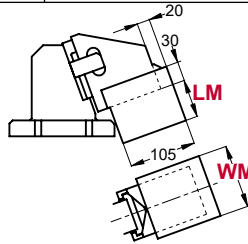
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 20-K

ASCB 0080 20-P16

ASCB 0080 20-WM100-LM50

ASCB 0080 20-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

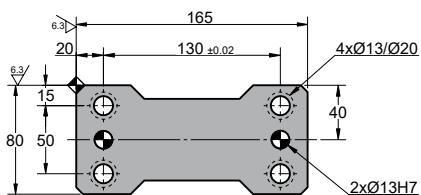
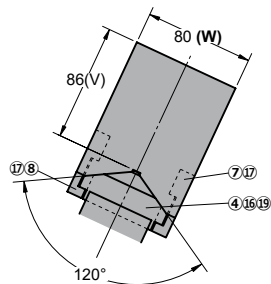
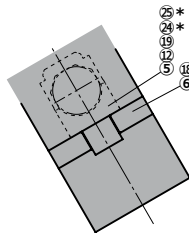
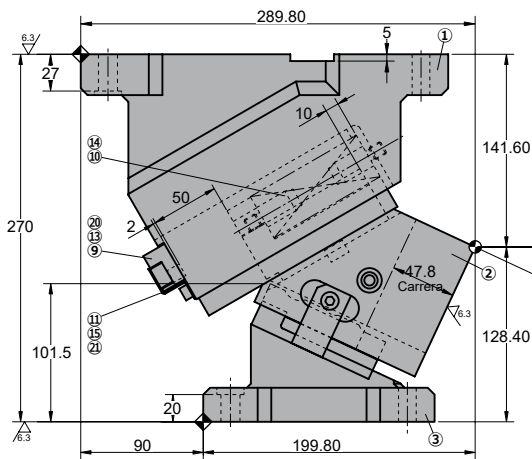
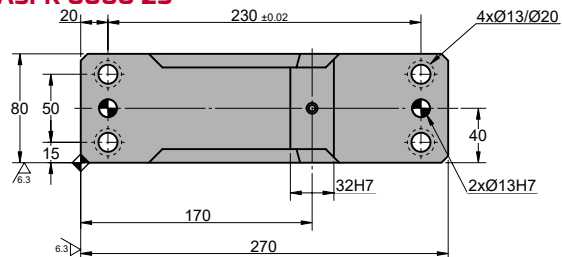
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080



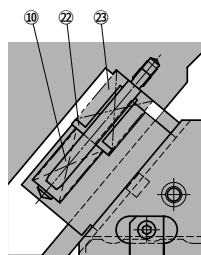
Aerial cam for pierce

ASCB 0080 25 ASFK 0080 25

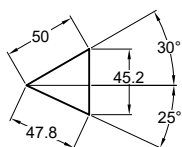


ASFK 0080 25 SPRING SYSTEM

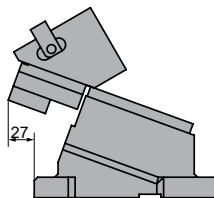
*-Only for ASFK



Cam diagram:



Desassembling space:



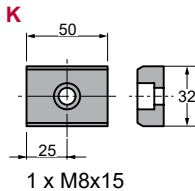
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.8	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	25.3	ASCB	0080	25
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		


Order: Model (W) (α)
ASCB 0080 25

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K



KEY

P PINS


P16 - Ø16 H7

LM - WM MOUNT

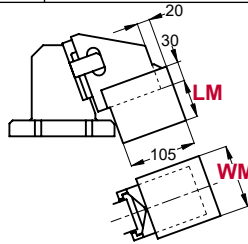
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
 f.e. LM50

WM Mount width changed to 100 or 120mm.
 f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
 f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
 f.e. WM120


Order Options: Model (W) (α)-Option


ASCB 0080 25-K
ASCB 0080 25-P16
ASCB 0080 25-WM100-LM50
ASCB 0080 25-P16-WM100-LM60-K


SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

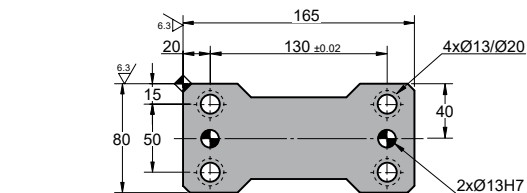
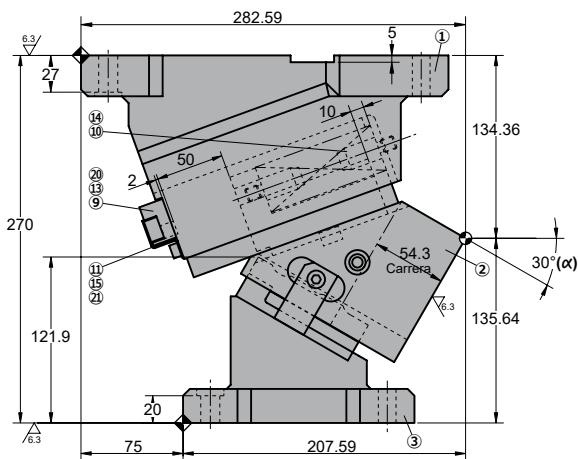
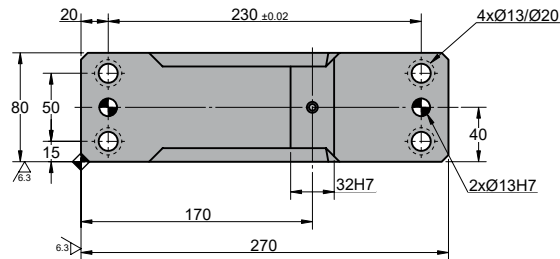
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080



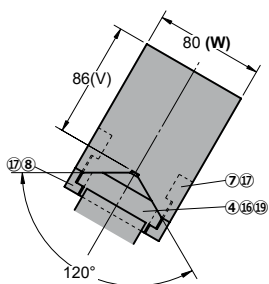
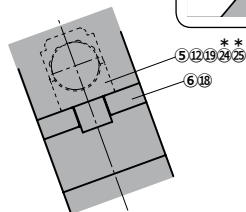
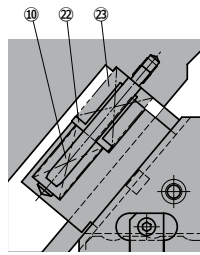
Aerial cam for pierce

ASCB 0080 30
ASFK 0080 30

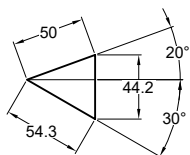


ASFK 0080 30
SPRING SYSTEM

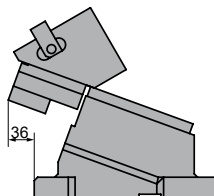
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
54.3	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	23.2	ASCB	0080	30
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



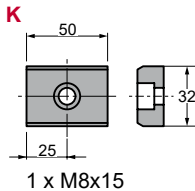
Order: Model (W) (α)

ASCB 0080 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

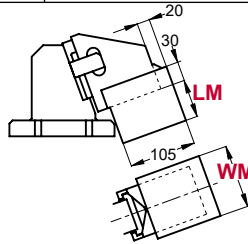
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 30-K

ASCB 0080 30-P16

ASCB 0080 30-WM100-LM50

ASCB 0080 30-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

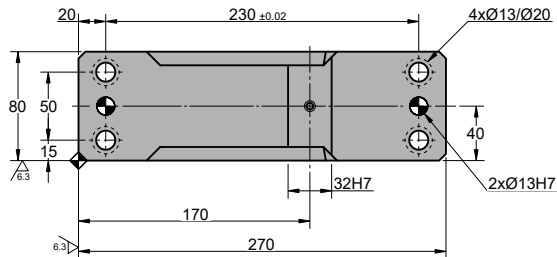
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080



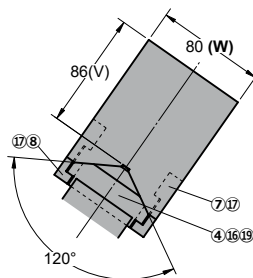
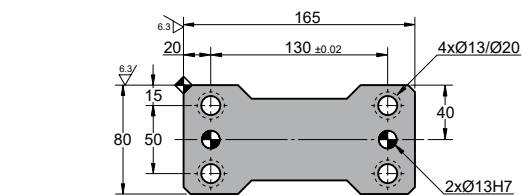
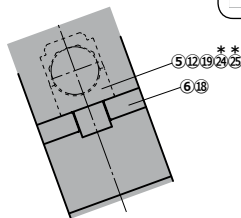
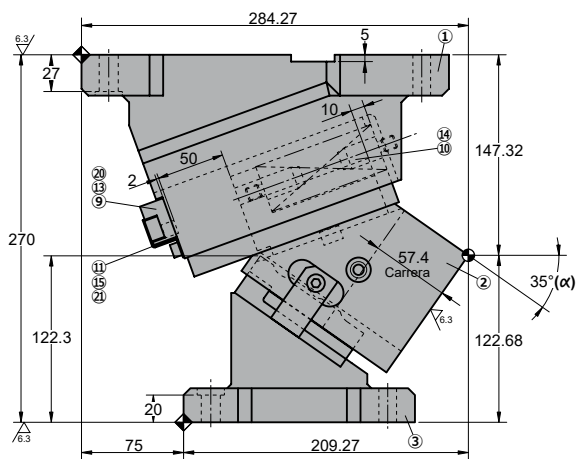
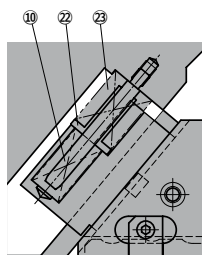
Aerial cam for pierce

ASCB 0080 35 ASFK 0080 35

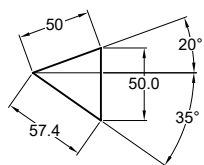


ASFK 0080 35 SPRING SYSTEM

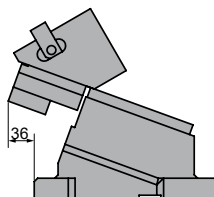
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
57.4	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	23.4	ASCB	0080	35
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



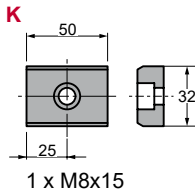
Order: Model (W) (α)

ASCB 0080 35

Standard order example according to catalog sheet.
Add options applying options table contents.

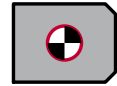
OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

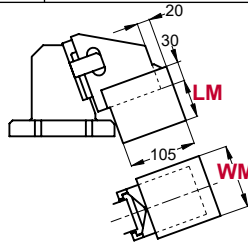
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 35-K

ASCB 0080 35-P16

ASCB 0080 35-WM100-LM50

ASCB 0080 35-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

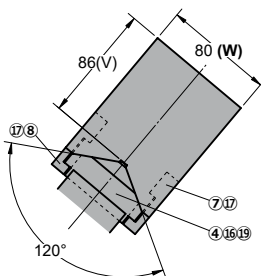
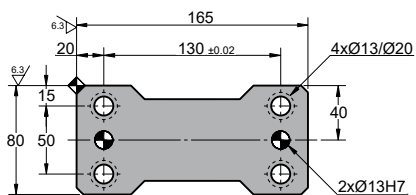
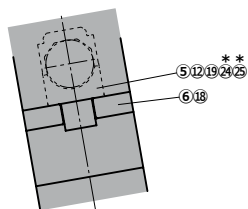
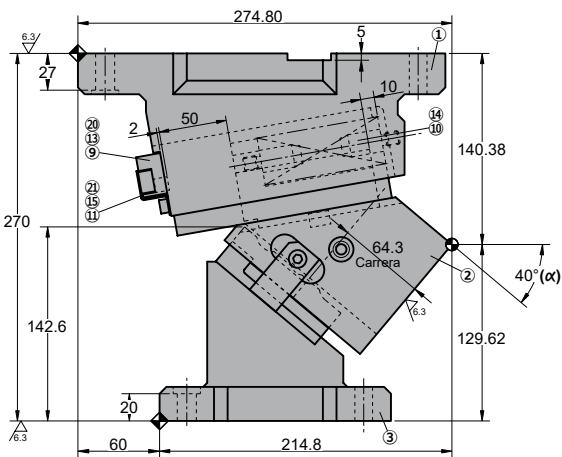
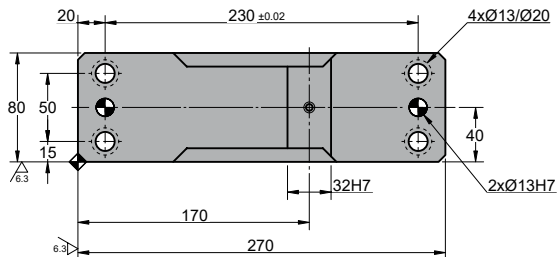


Aerial cam for pierce

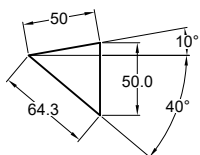
ASCB 0080 40
ASFK 0080 40

ASFK 0080 40
SPRING SYSTEM

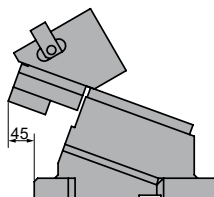
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
64.3	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	22.4	ASCB	0080	40
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



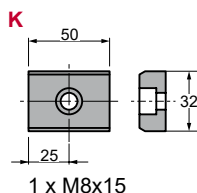
Order: Model (W) (α)

ASCB 0080 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

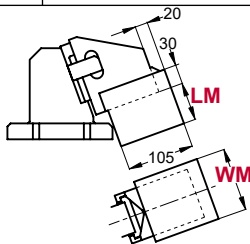
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 40-K

ASCB 0080 40-P16

ASCB 0080 40-WM100-LM50

ASCB 0080 40-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

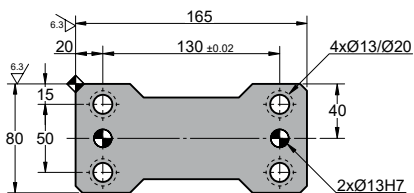
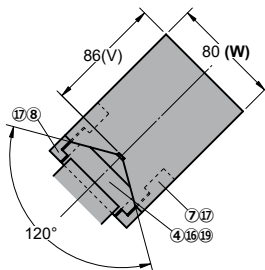
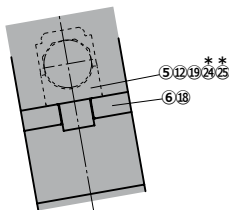
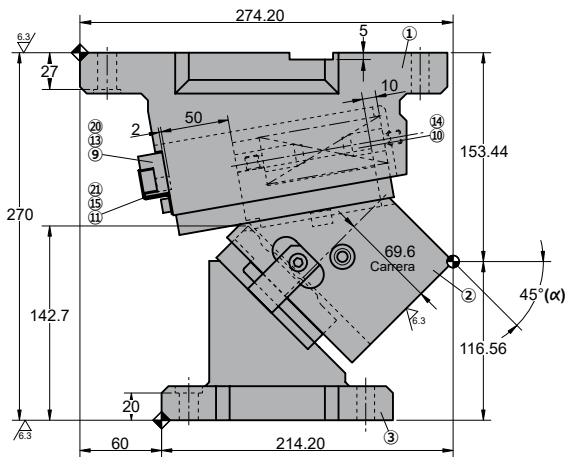
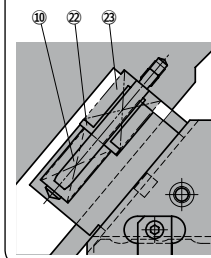
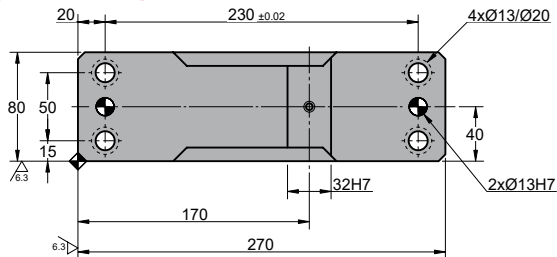


Aerial cam for pierce

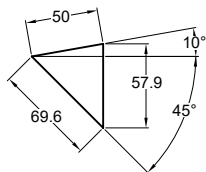
ASCB 0080 45
ASFK 0080 45

ASFK 0080 45
SPRING SYSTEM

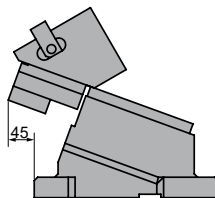
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
69.6	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	22.4	ASCB	0080	45
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



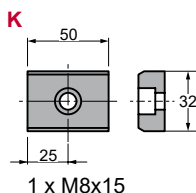
Order: Model (W) (α)

ASCB 0080 45

Standard order example according to catalog sheet.
Add options applying options table contents.

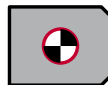
OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

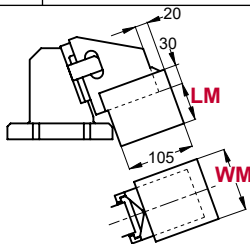
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 45-K

ASCB 0080 45-P16

ASCB 0080 45-WM100-LM50

ASCB 0080 45-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

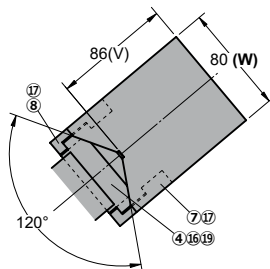
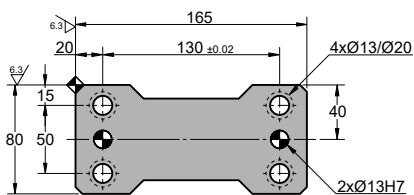
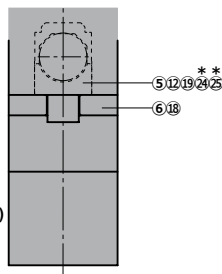
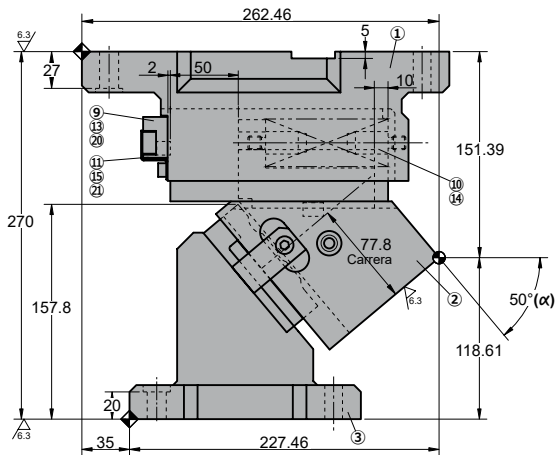
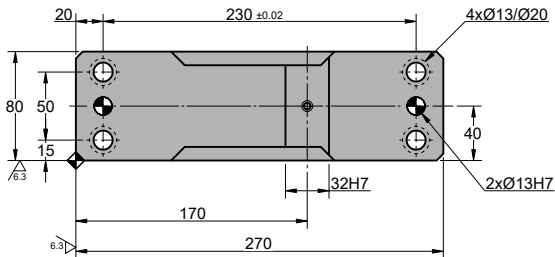
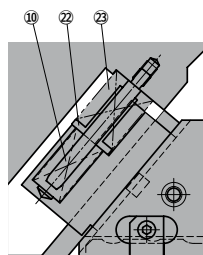


Aerial cam for pierce

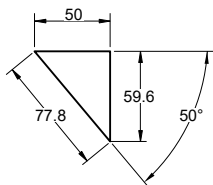
ASCB 0080 50 ASFK 0080 50

ASFK 0080 50 SPRING SYSTEM

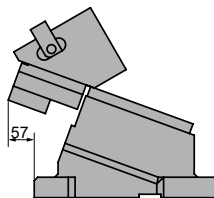
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.8	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	21.6	ASCB	0080	50
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



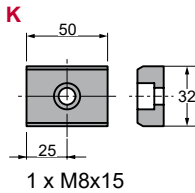
Order: Model (W) (α)

ASCB 0080 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

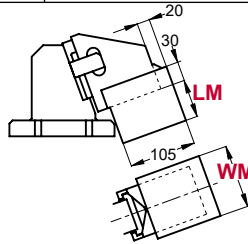
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 50-K

ASCB 0080 50-P16

ASCB 0080 50-WM100-LM50

ASCB 0080 50-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

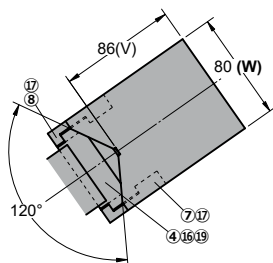
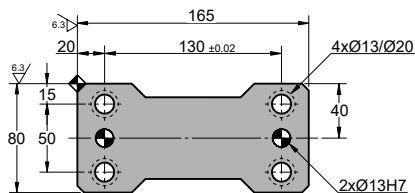
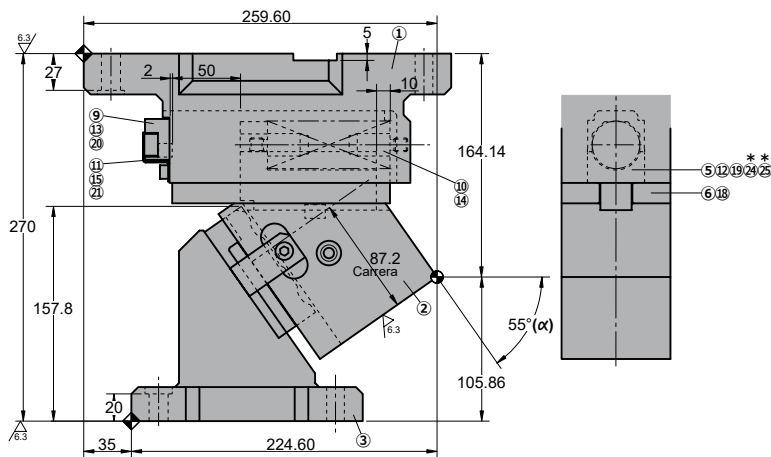
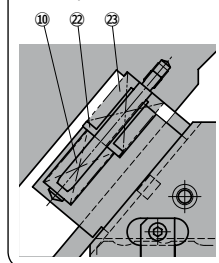
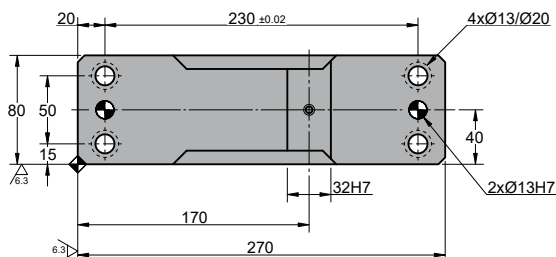


Aerial cam for pierce

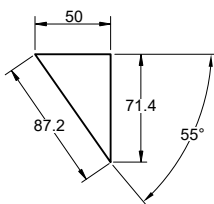
ASCB 0080 55
ASFK 0080 55

ASFK 0080 55
SPRING SYSTEM

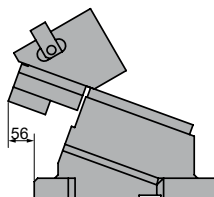
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
87.2	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	21.7	ASCB	0080	55
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



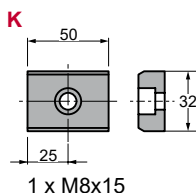
Order: Model (W) (α)

ASCB 0080 55

Standard order example according to catalog sheet.
Add options applying options table contents.

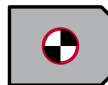
OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

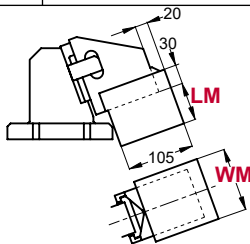
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 55-K

ASCB 0080 55-P16

ASCB 0080 55-WM100-LM50

ASCB 0080 55-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

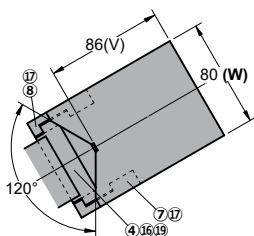
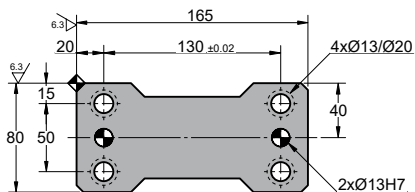
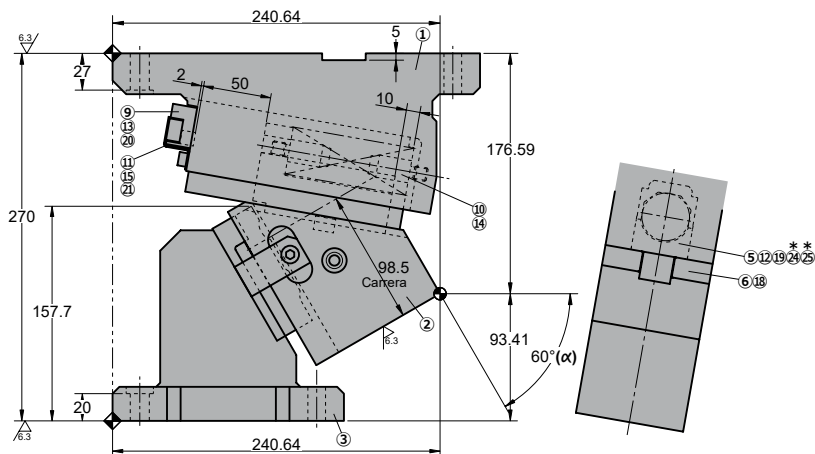
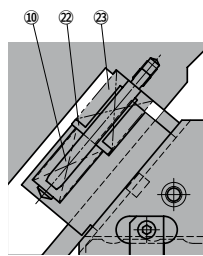
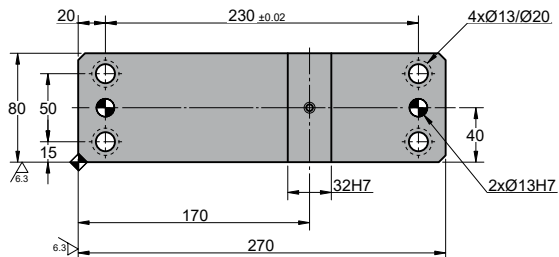


Aerial cam for pierce

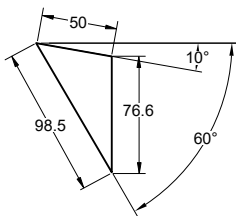
ASCB 0080 60
ASFK 0080 60

ASFK 0080 60
SPRING SYSTEM

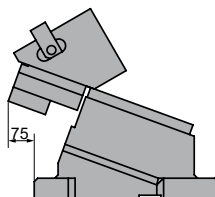
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
98.5	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	23.2	ASCB	0080	60
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		



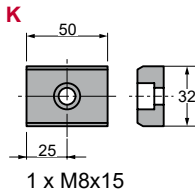
Order: Model (W) (α)

ASCB 0080 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

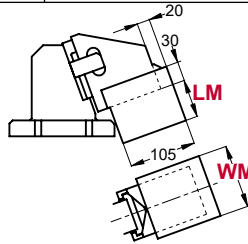
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 60-K

ASCB 0080 60-P16

ASCB 0080 60-WM100-LM50

ASCB 0080 60-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑬	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉑	Coil Spring	1	TH35-60
*㉒	Screw	2	M12 x 35
*㉓	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

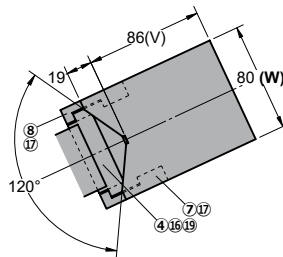
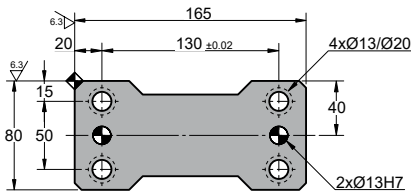
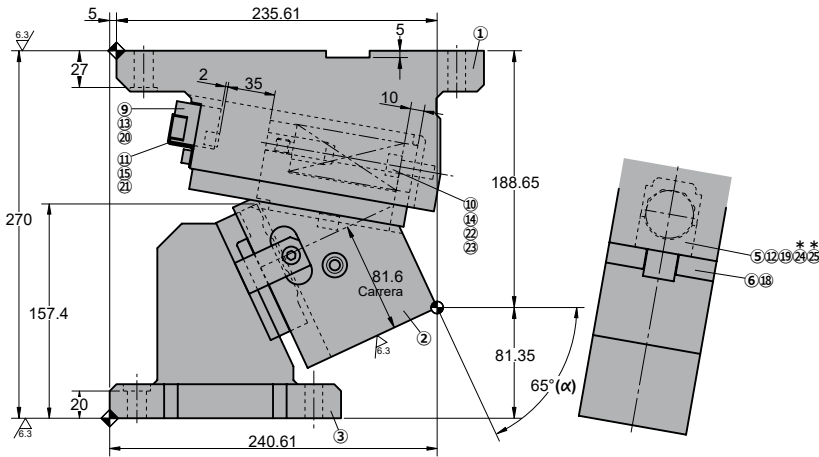
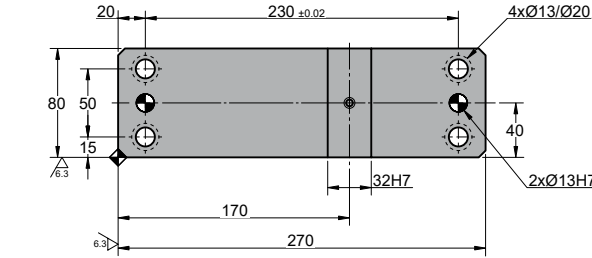
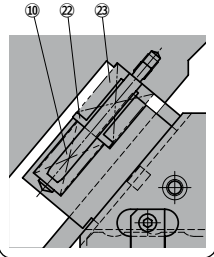


Aerial cam for pierce

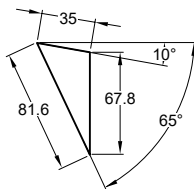
ASCB 0080 65
ASFK 0080 65

ASFK 0080 65
SPRING SYSTEM

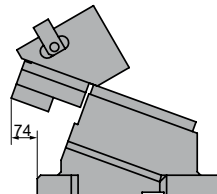
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
81.6	39.2 (4.0)	78.4 (8.0)	324.7 (33.1)	1461.2 (149.1)	23.7	ASCB	0080	65
	54.9 (5.6)	109.8 (11.2)	98.0 (10.0)	3250.0 (331.4)		ASFK		



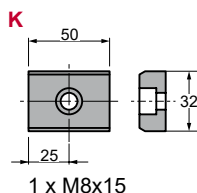
Order: Model (W) (α)

ASCB 0080 65

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

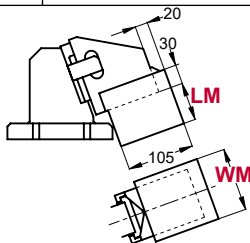
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



ASCB 0080 65-K

ASCB 0080 65-P16

ASCB 0080 65-WM100-LM50

ASCB 0080 65-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-125
⑮	Disc Spring	2	M6

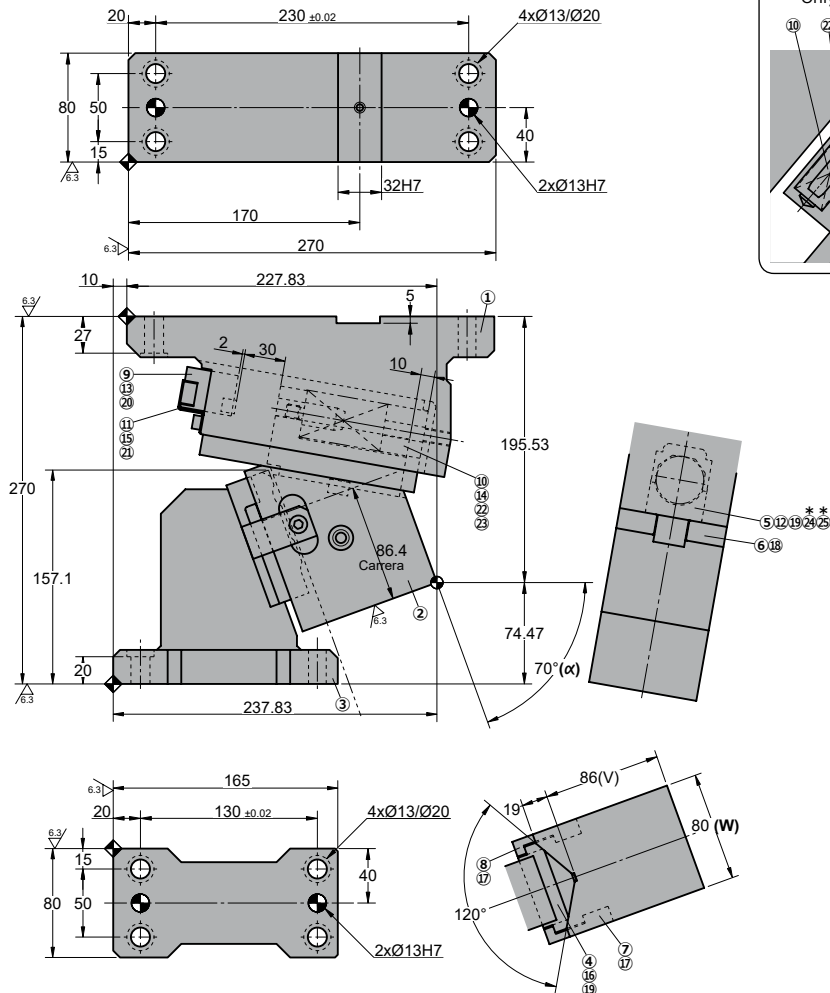
No.	Description	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
㉒	Spacer	1	CK 45
㉓	Screw	1	M10 x 25
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-80
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉒	Coil Spring	1	TH35-60
*㉓	Screw	2	M12 x 35
*㉔	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

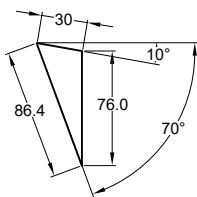
Aerial cam for pierce

**AZOL
GAS****ASCB 0080 70**
ASFK 0080 70**ASFK 0080 70**
SPRING SYSTEM

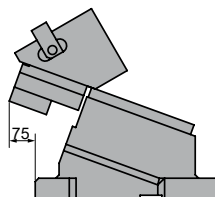
* - Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₂				
86.4	39.2 (4.0)	78.4 (8.0)	405.8 (41.4)	1623.2 (165.6)	23.9	ASCB	0080	70
	54.9 (5.6)	109.8 (11.2)	159.3 (16.3)	3250.0 (331.4)		ASFK		



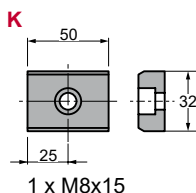
Order: **Model (W) (α)**

ASCB 0080 70

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



KEY

P PINS



P16 - Ø16 H7

LM - WM MOUNT

ASCB

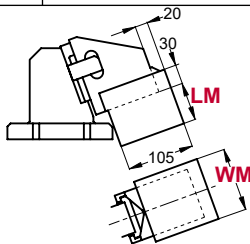
LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed to 100 or 120mm.
f.e. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 81 to 120mm (increments of 1 mm).
f.e. WM120



Order Options: **Model (W) (α)-Option**



ASCB 0080 70-K

ASCB 0080 70-P16

ASCB 0080 70-WM100-LM50

ASCB 0080 70-P16-WM100-LM60-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑭ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-100
⑮	Disc Spring	2	M6

No.	Description	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
㉒	Spacer	1	CK 45
㉓	Screw	1	M10 x 25
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-80
*⑲	Screw	2	M10 x 35
*⑳	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

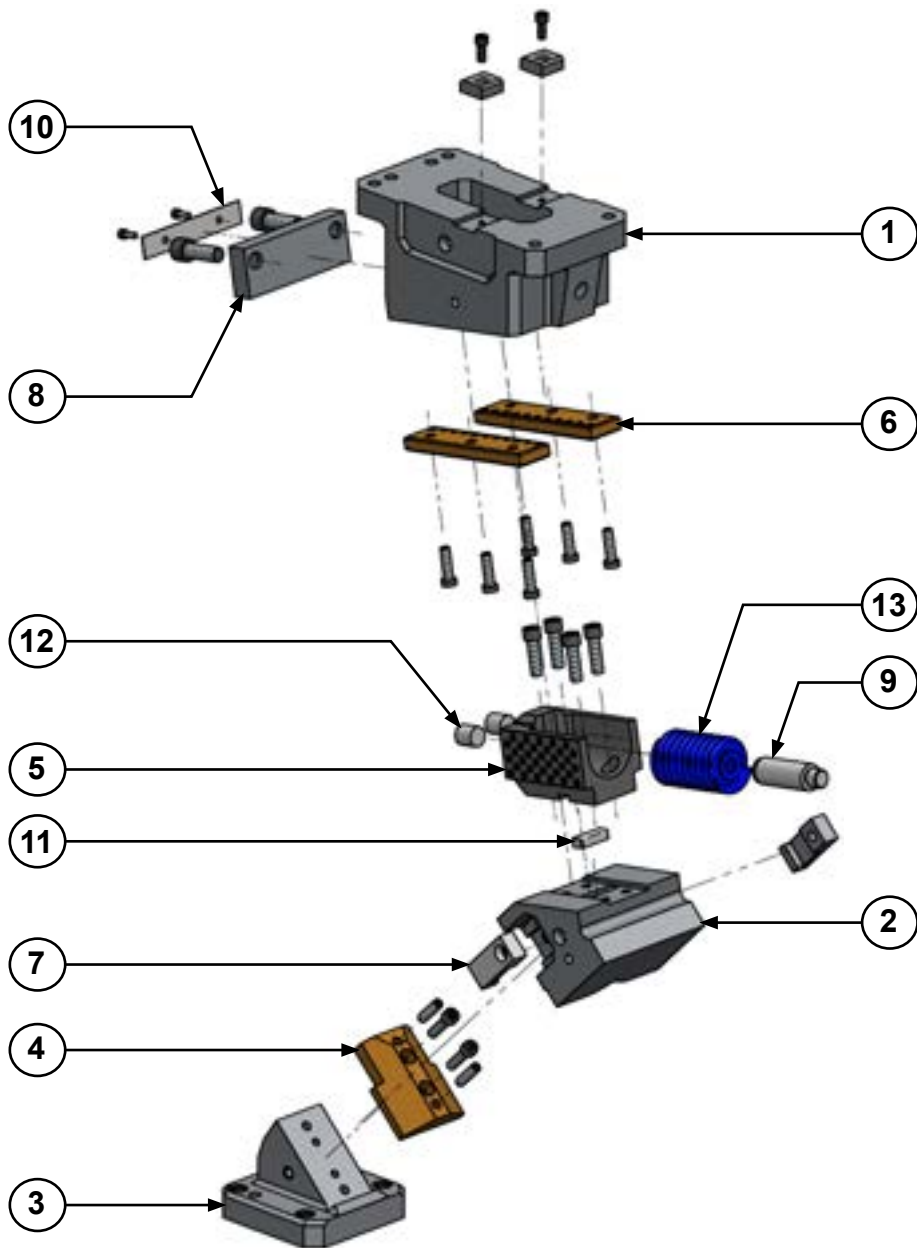


Aerial cam for pierce



ASCB 0150

Aerial cam for pierce



ASCB 0150 - ASFK 0150

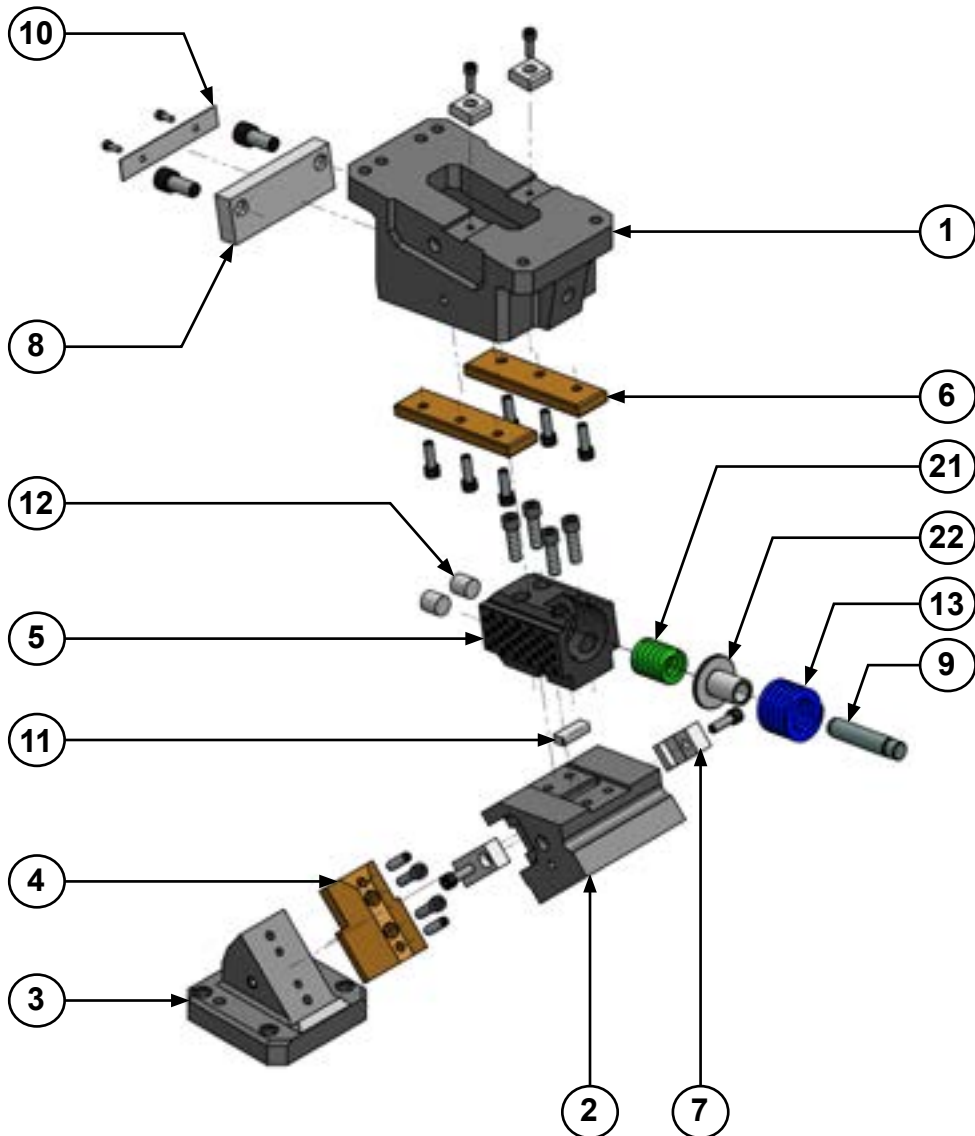


Aerial cam for pierce



ASFK 0150

Aerial cam for pierce

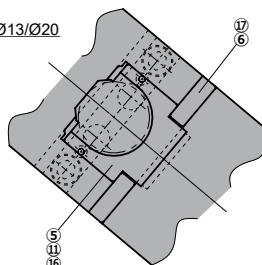
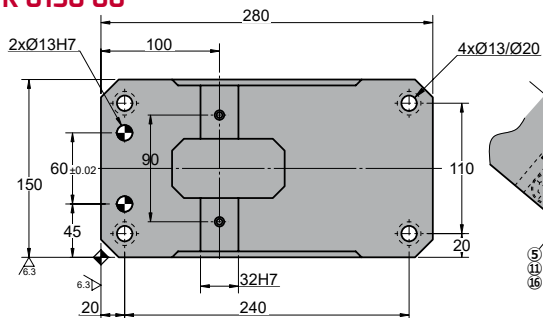


ASCB 0150 - ASFK 0150

Aerial cam for pierce

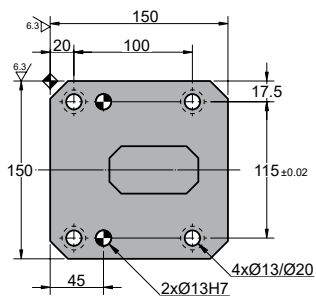
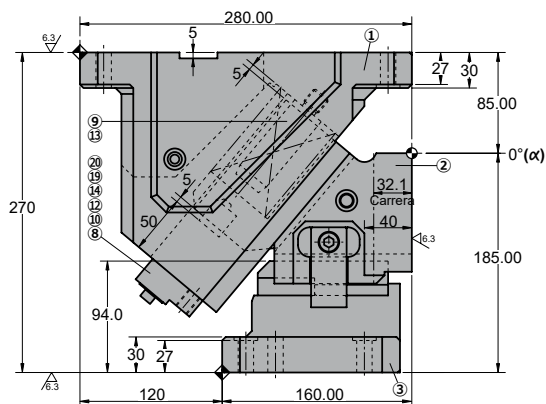
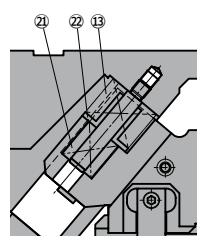


ASCB 0150 00
ASFK 0150 00

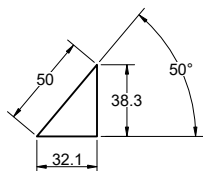


ASFK 0150 00
SPRING SYSTEM

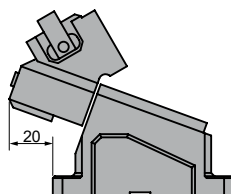
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.1	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	45.4	ASCB	0150	00
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

ASCB 0150 00

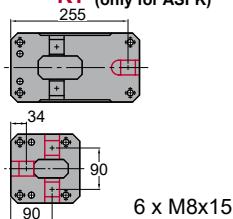
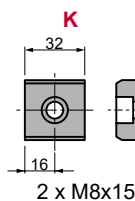
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KT

KEY

KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 00-K

ASCB 0150 00-P16

ASCB 0150 00-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

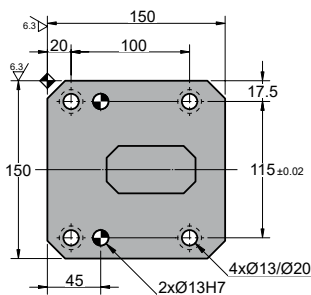
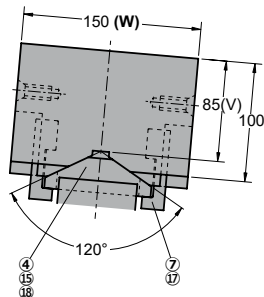
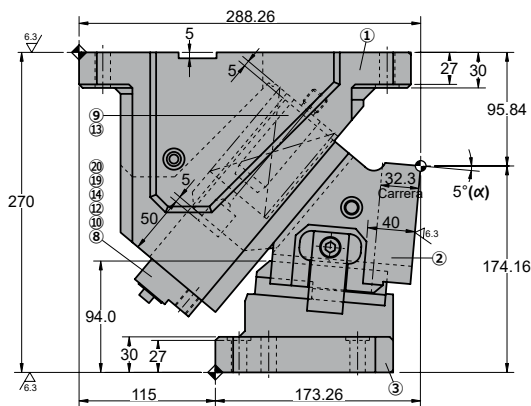
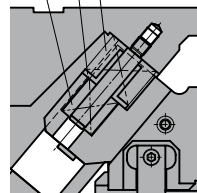
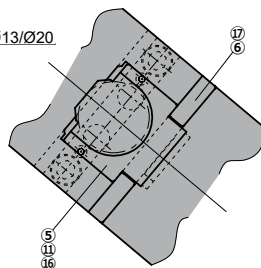
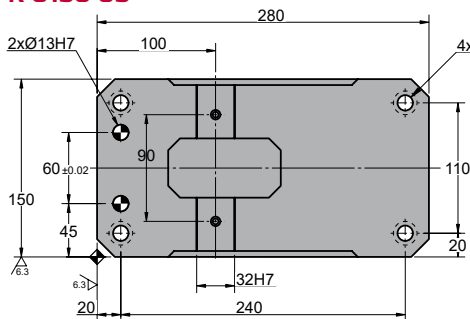
Aerial cam for pierce



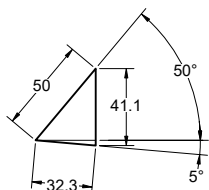
ASCB 0150 05 ASFK 0150 05

ASFK 0150 05 SPRING SYSTEM

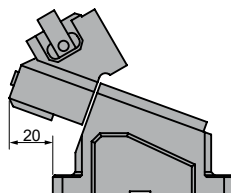
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.3	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	45.9	ASCB	0150	05
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

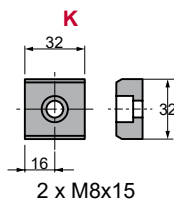
ASCB 0150 05

Standard order example according to catalog sheet.
Add options applying options table contents.

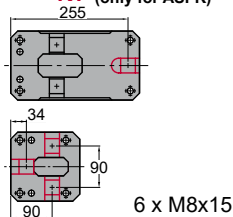
OPTIONS

K - KT

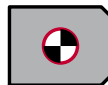
KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 05-K

ASCB 0150 05-P16

ASCB 0150 05-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

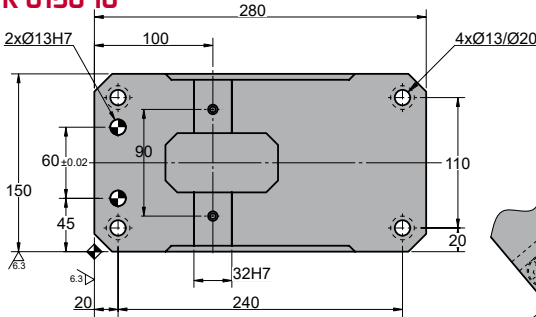
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

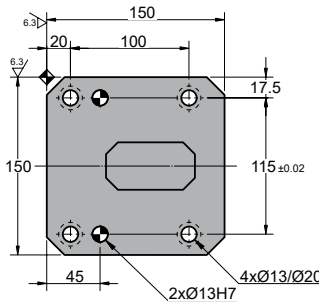
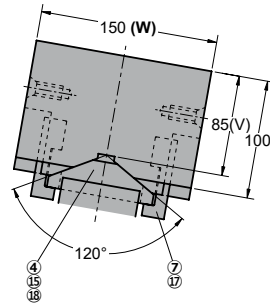
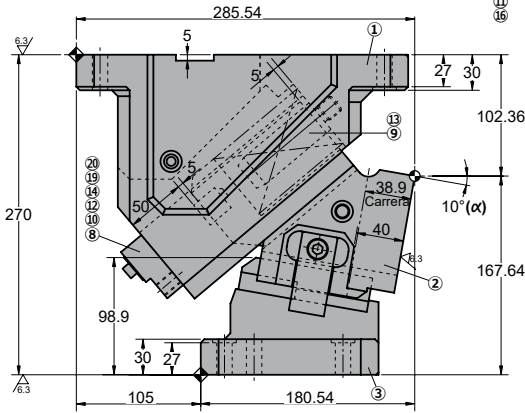
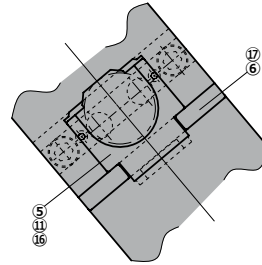
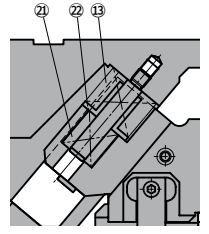


ASCB 0150 10 ASFK 0150 10

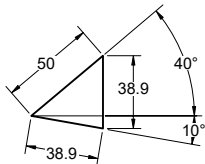


ASFK 0150 10 SPRING SYSTEM

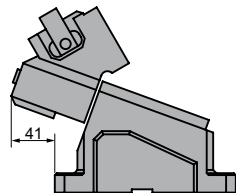
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.9	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	44.4	ASCB	0150	10
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: **Model (W) (α)**

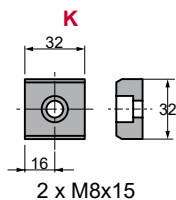
ASCB 0150 10

Standard order example according to catalog sheet.
Add options applying options table contents.

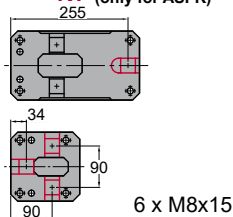
OPTIONS

K - KT

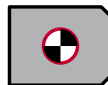
KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: **Model (W) (α)-Option**



ASCB 0150 10-K

ASCB 0150 10-P16

ASCB 0150 10-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

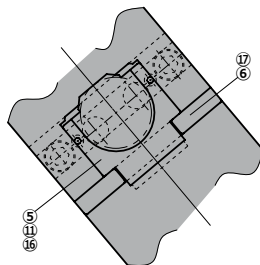
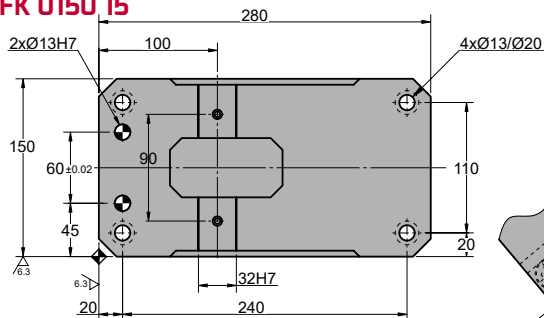
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

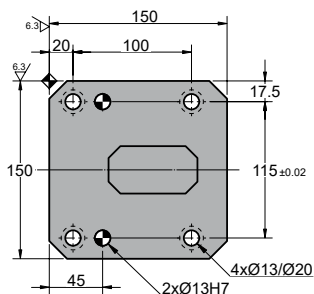
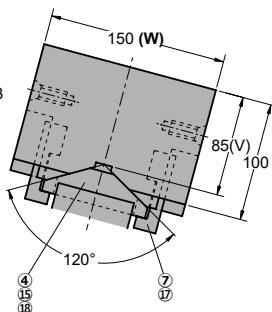
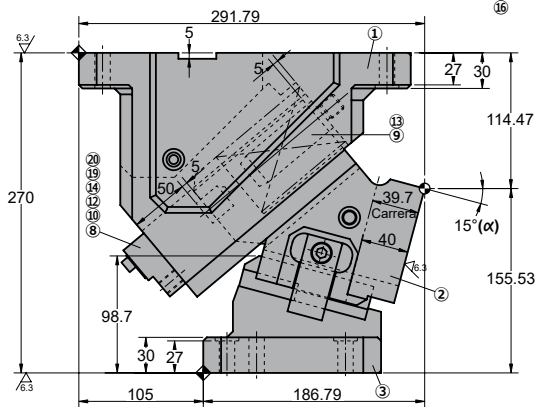
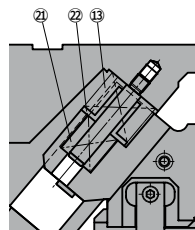
**AZOL
GAS**

ASCB 0150 15 ASFK 0150 15

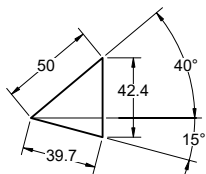


ASFK 0150 15 SPRING SYSTEM

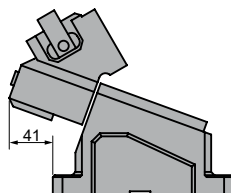
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.7	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	44.9	ASCB	0150	15
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

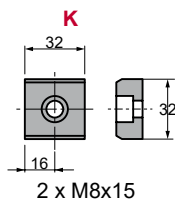
ASCB 0150 15

Standard order example according to catalog sheet.
Add options applying options table contents.

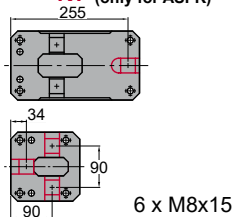
OPTIONS

K - KT

KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 15-K

ASCB 0150 15-P16

ASCB 0150 15-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*㉓	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

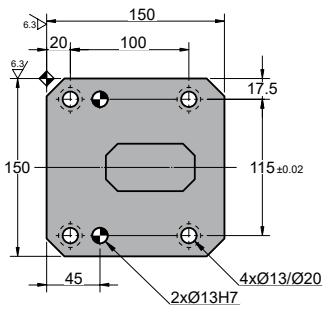
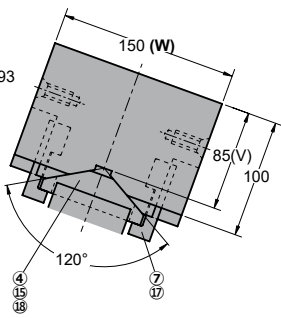
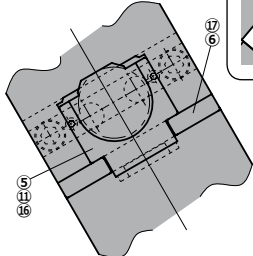
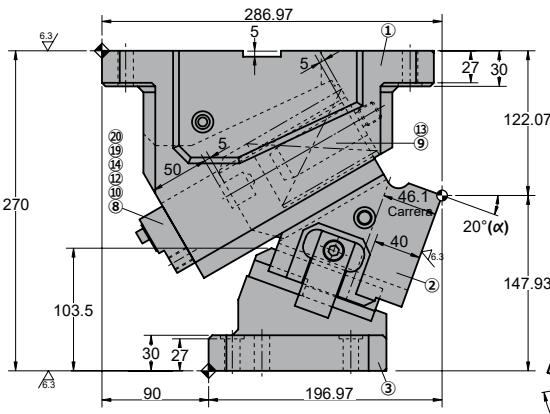
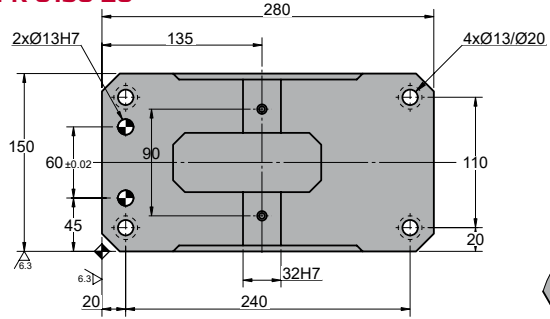
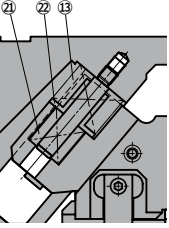


Aerial cam for pierce

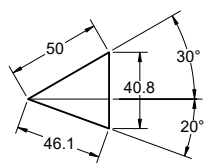
ASCB 0150 20 ASFK 0150 20

ASFK 0150 20 SPRING SYSTEM

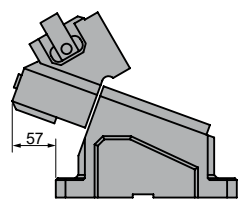
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.1	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	43.2	ASCB	0150	20
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

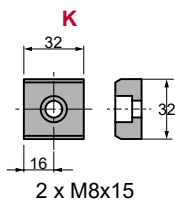
ASCB 0150 20

Standard order example according to catalog sheet.
Add options applying options table contents.

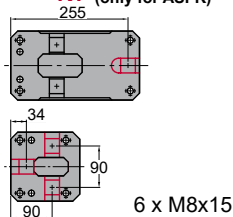
OPTIONS

K - KT

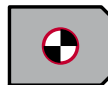
KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 20-K

ASCB 0150 20-P16

ASCB 0150 20-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

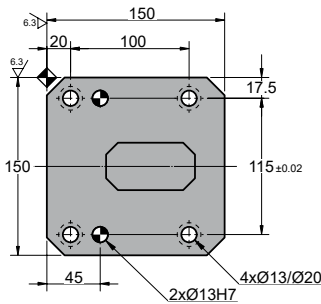
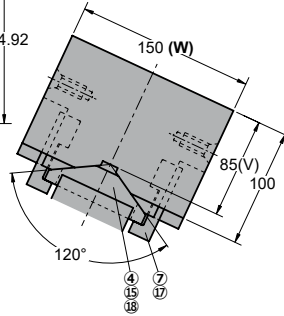
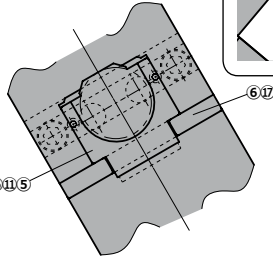
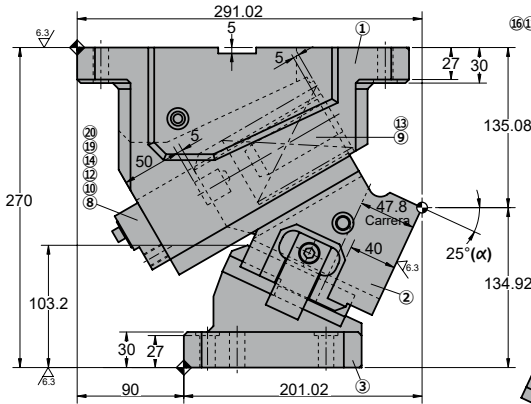
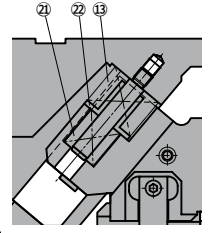
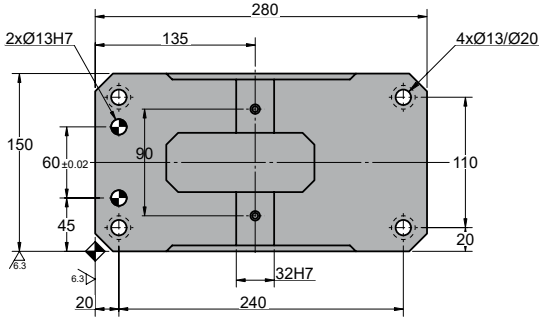


Aerial cam for pierce

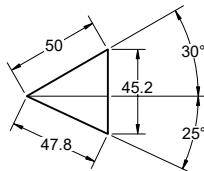
ASCB 0150 25 ASFK 0150 25

ASFK 0150 25 SPRING SYSTEM

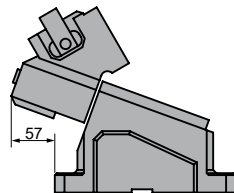
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.8	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	43.7	ASCB	0150	25
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

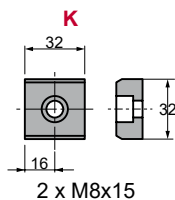
ASCB 0150 25

Standard order example according to catalog sheet.
Add options applying options table contents.

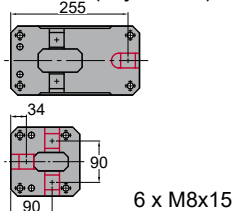
OPTIONS

K - KT

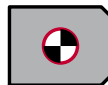
KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 25-K

ASCB 0150 25-P16

ASCB 0150 25-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑰	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

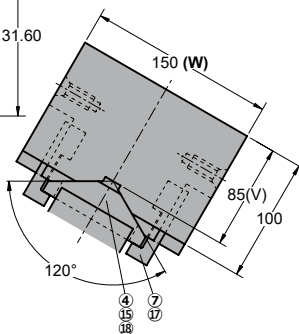
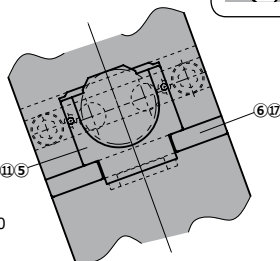
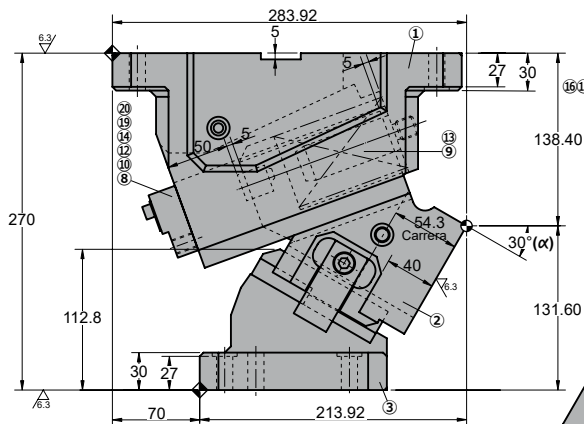
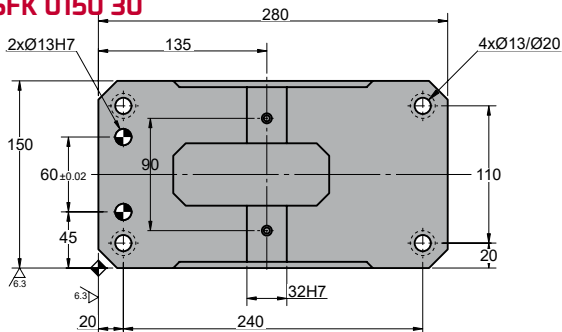
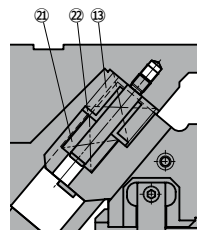
Aerial cam for pierce



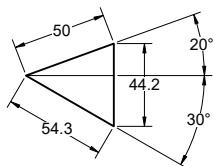
ASCB 0150 30 ASFK 0150 30

ASFK 0150 30 SPRING SYSTEM

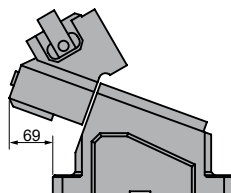
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
54.3	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	42.2	ASCB	0150	30
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

ASCB 0150 30

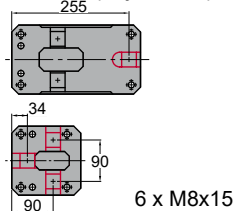
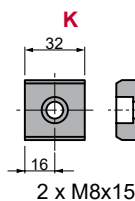
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KT

KEY

KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 30-K

ASCB 0150 30-P16

ASCB 0150 30-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

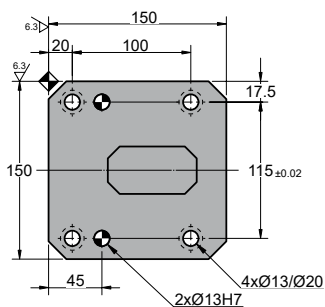
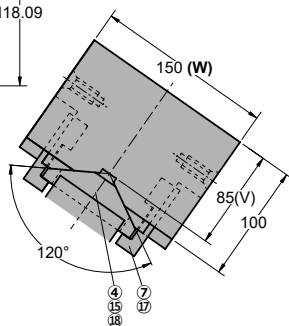
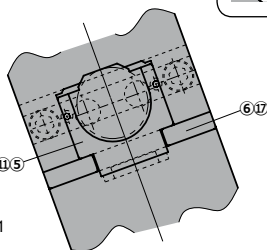
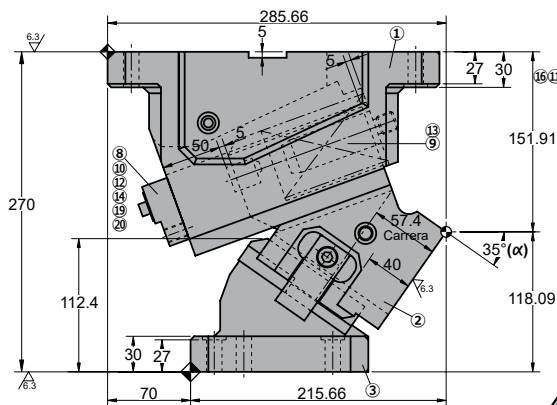
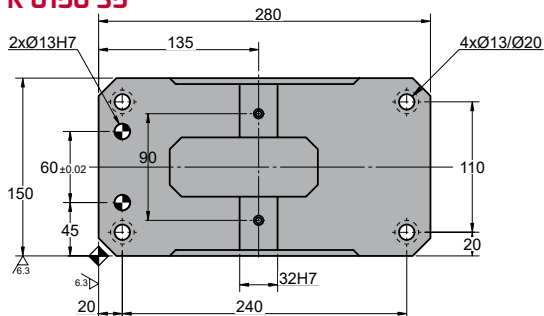
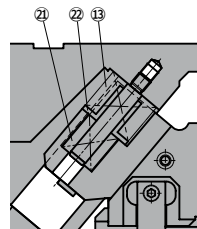


Aerial cam for pierce

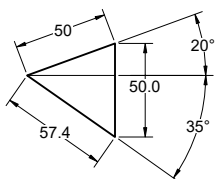
ASCB 0150 35 ASFK 0150 35

ASFK 0150 35 SPRING SYSTEM

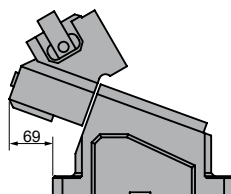
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
57.4	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	42.7	ASCB	0150	35
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

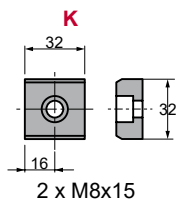
ASCB 0150 35

Standard order example according to catalog sheet.
Add options applying options table contents.

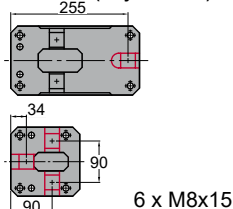
OPTIONS

K - KT

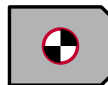
KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 35-K

ASCB 0150 35-P16

ASCB 0150 35-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

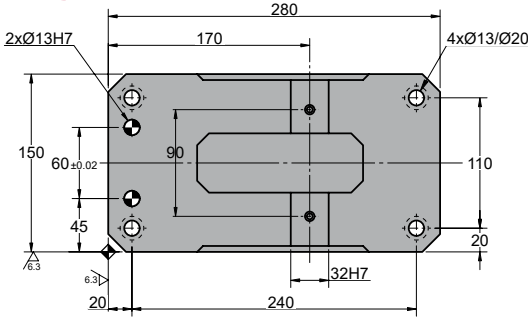
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑰	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150



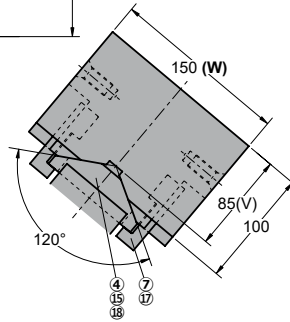
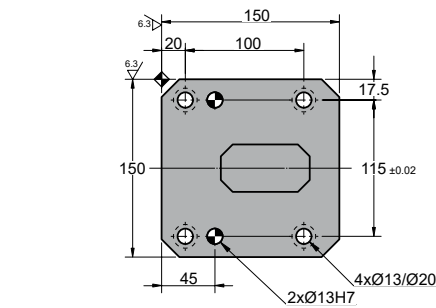
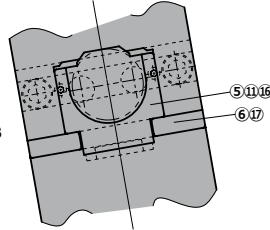
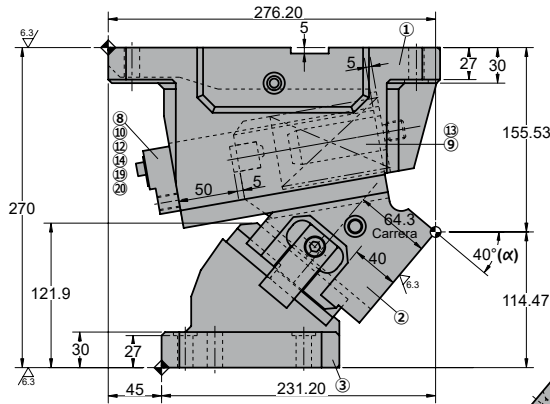
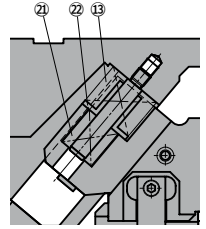
Aerial cam for pierce

ASCB 0150 40 ASFK 0150 40

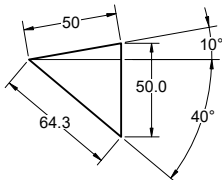


ASFK 0150 40 SPRING SYSTEM

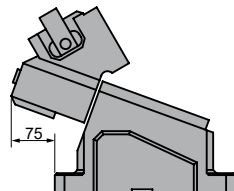
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
64.3	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	41.0	ASCB	0150	40
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

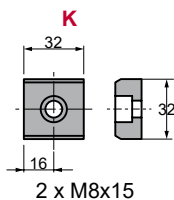
ASCB 0150 40

Standard order example according to catalog sheet.
Add options applying options table contents.

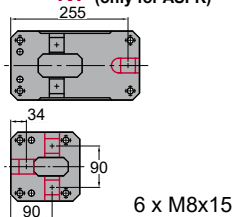
OPTIONS

K - KT

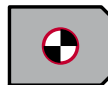
KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 40-K

ASCB 0150 40-P16

ASCB 0150 40-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑲	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

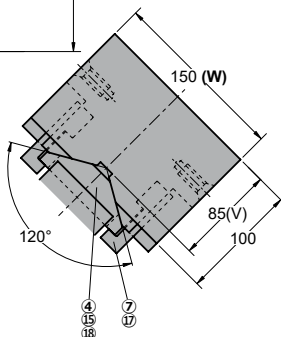
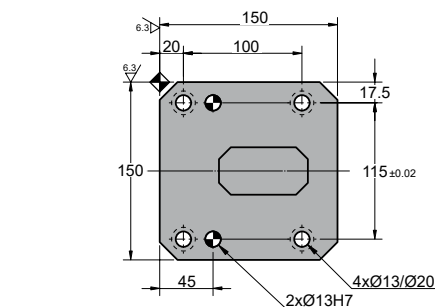
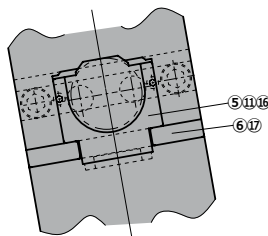
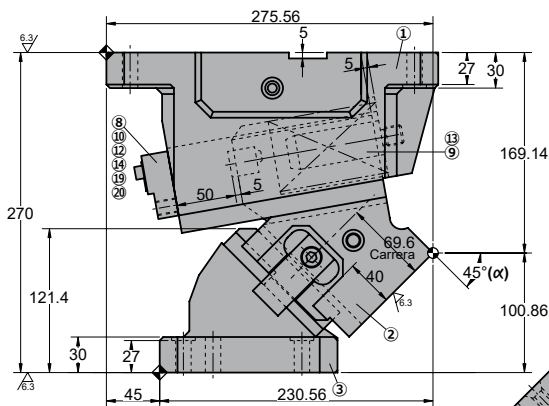
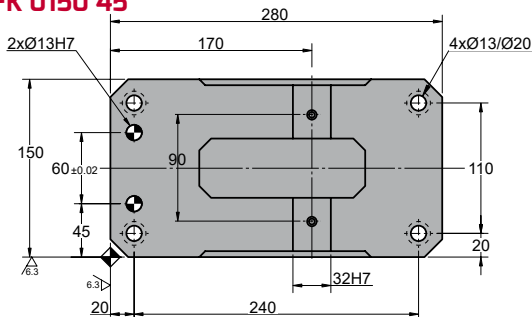
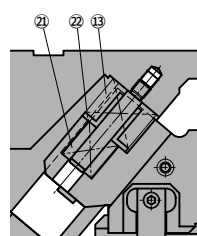
Aerial cam for pierce



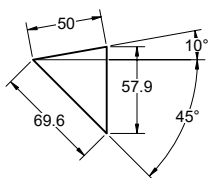
ASCB 0150 45 ASFK 0150 45

ASFK 0150 45 SPRING SYSTEM

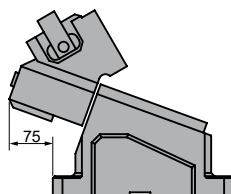
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
69.6	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	41.4	ASCB	0150	45
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

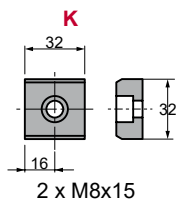
ASCB 0150 45

Standard order example according to catalog sheet.
Add options applying options table contents.

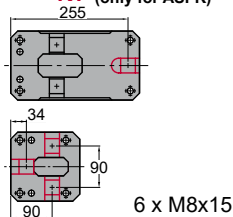
OPTIONS

K - KT

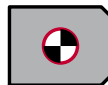
KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 45-K

ASCB 0150 45-P16

ASCB 0150 45-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

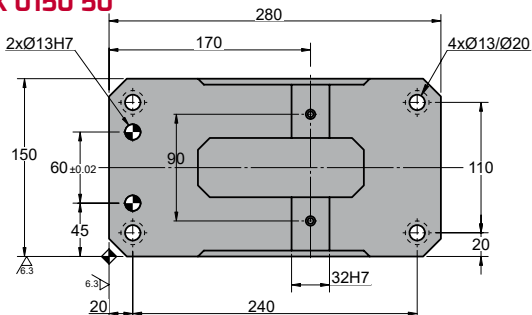
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

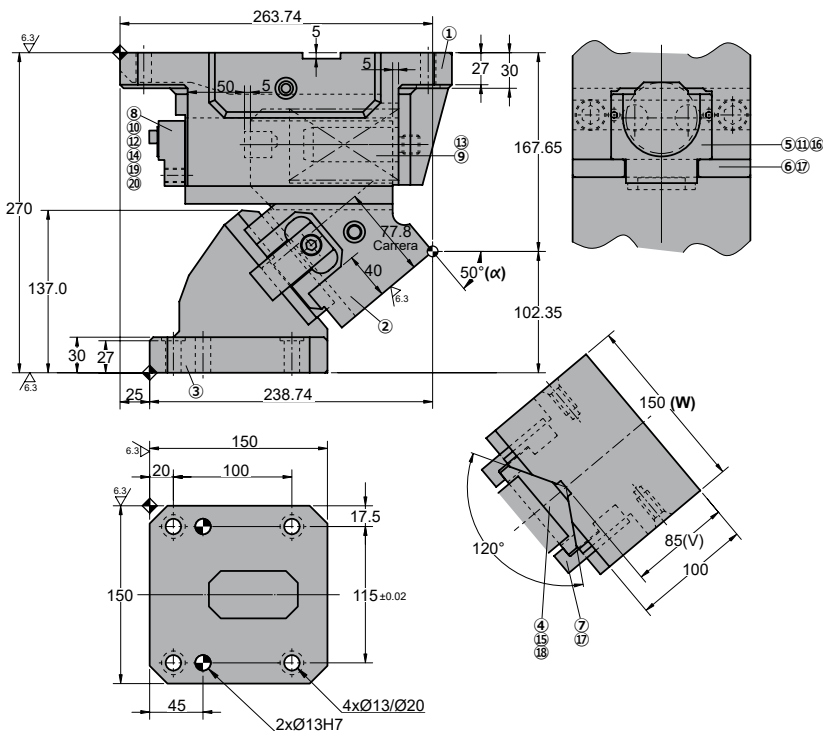
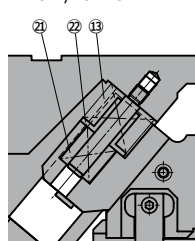


ASCB 0150 50 ASFK 0150 50

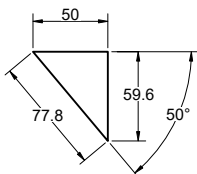


ASFK 0150 50 SPRING SYSTEM

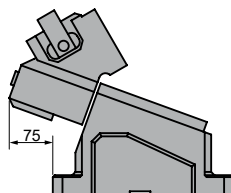
*-Only for ASFK



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.8	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	40.5	ASCB	0150	50
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

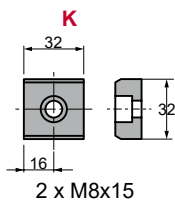
ASCB 0150 50

Standard order example according to catalog sheet.
Add options applying options table contents.

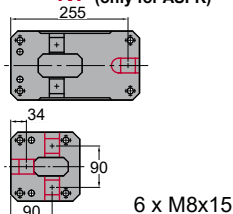
OPTIONS

K - KT

KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 50-K

ASCB 0150 50-P16

ASCB 0150 50-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑳	Coil Spring	1	TF40-90
*㉑	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

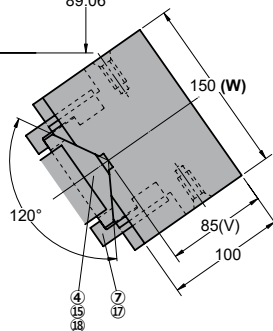
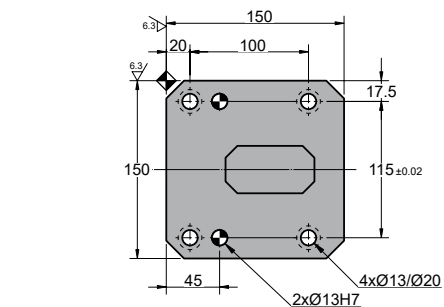
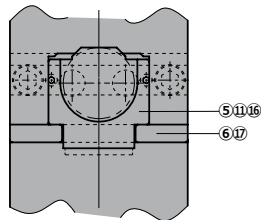
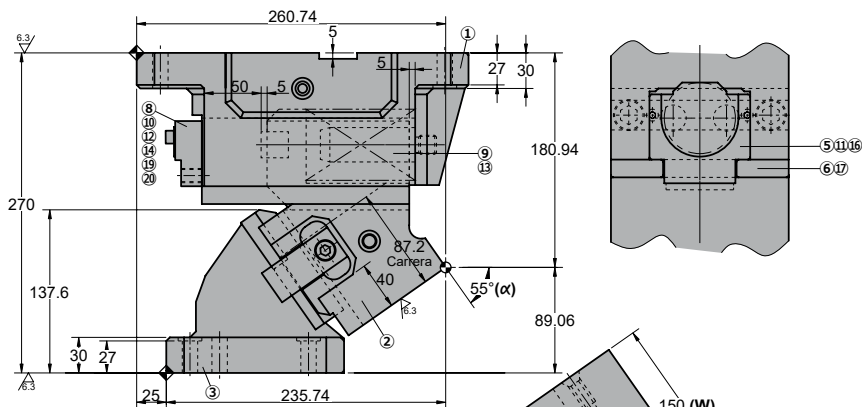
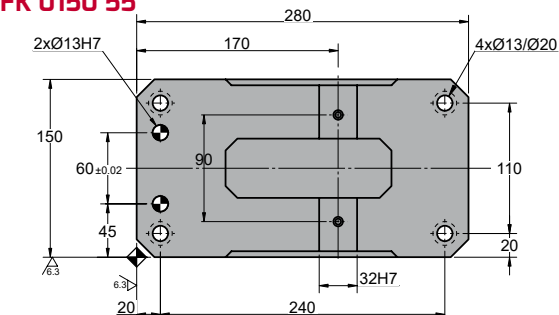
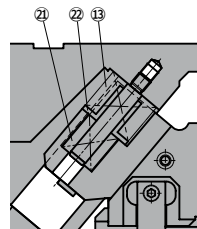
Aerial cam for pierce



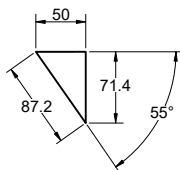
ASCB 0150 55 ASFK 0150 55

ASFK 0150 55 SPRING SYSTEM

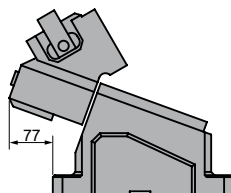
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
87.2	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	40.9	ASCB	0150	55
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

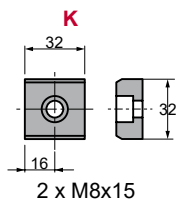
ASCB 0150 55

Standard order example according to catalog sheet.
Add options applying options table contents.

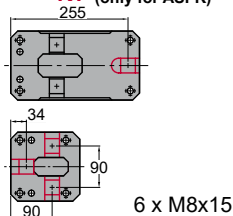
OPTIONS

K - KT

KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 55-K

ASCB 0150 55-P16

ASCB 0150 55-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑳	Coil Spring	1	TF40-90
*㉑	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

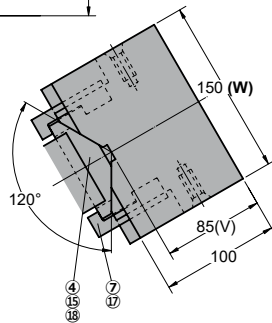
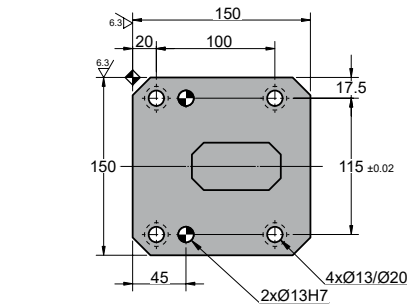
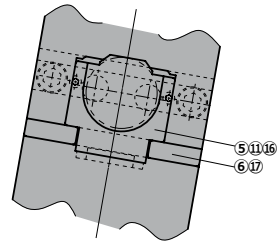
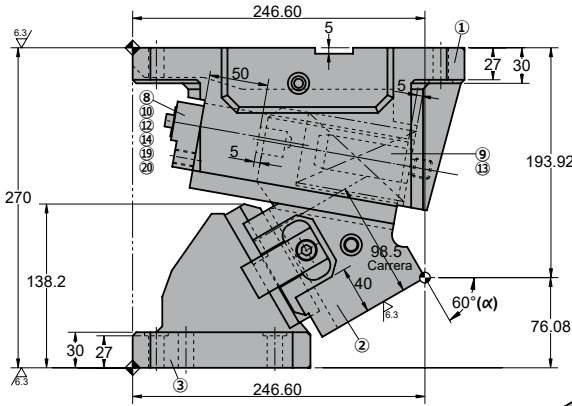
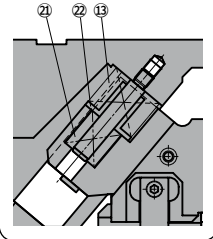
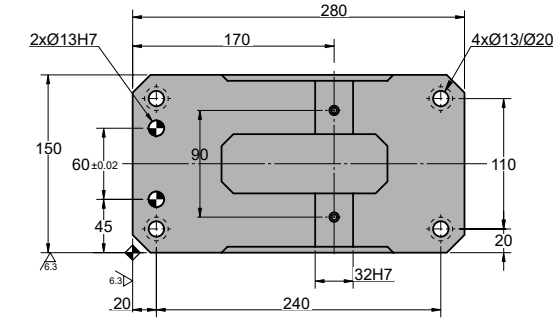


Aerial cam for pierce

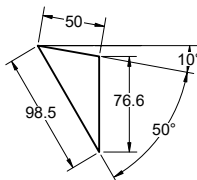
ASCB 0150 60
ASFK 0150 60

ASFK 0150 60
SPRING SYSTEM

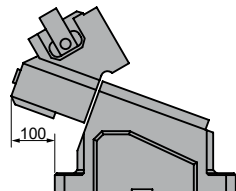
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
98.5	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	41.5	ASCB	0150	60
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

ASCB 0150 60

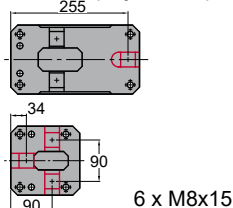
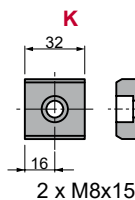
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KT

KEY

KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 60-K

ASCB 0150 60-P16

ASCB 0150 60-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

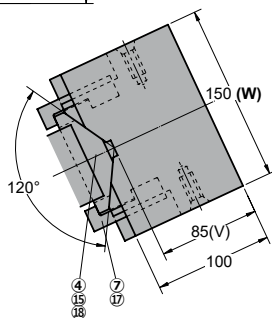
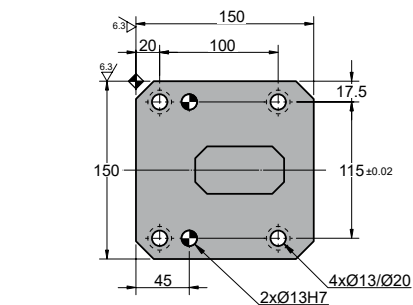
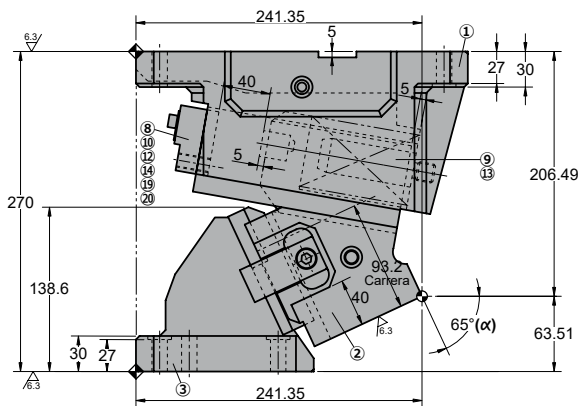
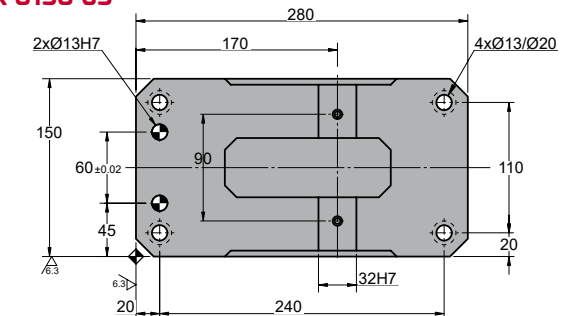
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑲	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

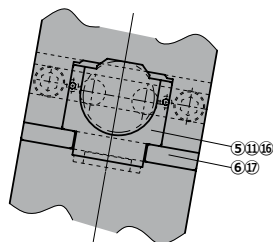
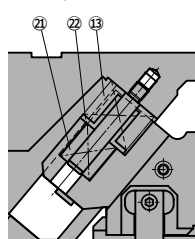


ASCB 0150 65 ASFK 0150 65

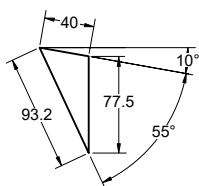


ASFK 0150 65 SPRING SYSTEM

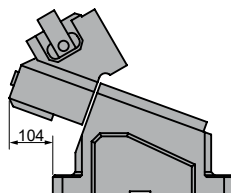
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
93.2	88.2 (9.0)	132.3 (13.5)	1429.2 (145.8)	4607.5 (470.2)	42.2	ASCB	0150	65
	123.5 (12.6)	185.2 (18.9)	501.3 (51.2)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

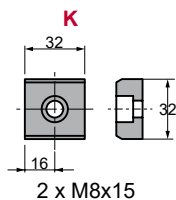
ASCB 0150 65

Standard order example according to catalog sheet.
Add options applying options table contents.

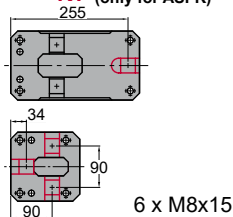
OPTIONS

K - KT

KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 65-K

ASCB 0150 65-P16

ASCB 0150 65-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

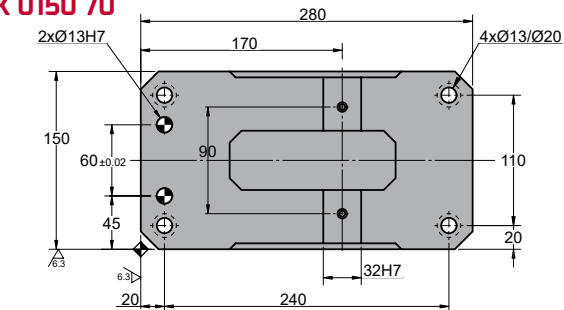
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150



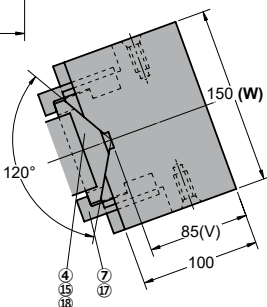
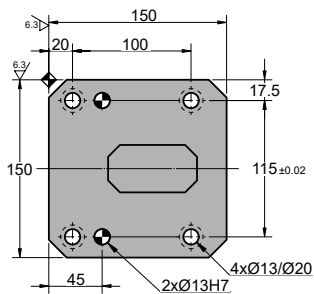
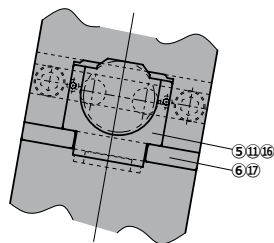
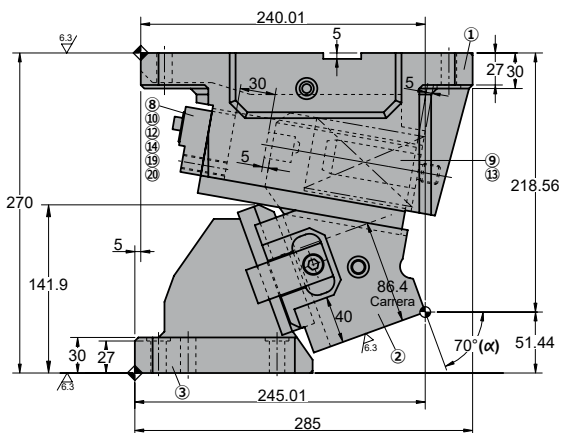
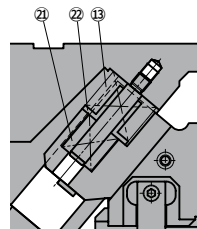
Aerial cam for pierce

ASCB 0150 70
ASFK 0150 70

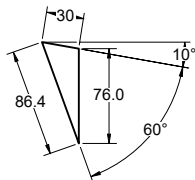


ASFK 0150 70
SPRING SYSTEM

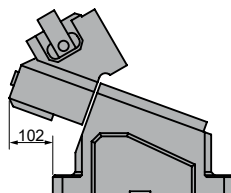
*-Only for ASFK



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
86.4	88.2 (9.0)	132.3 (13.5)	2223.2 (226.8)	4607.5 (470.2)	43.5	ASCB	0150	70
	123.5 (12.6)	185.2 (18.9)	779.8 (79.6)	9569.4 (975.8)		ASFK		



Order: Model (W) (α)

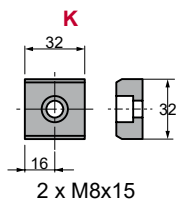
ASCB 0150 70

Standard order example according to catalog sheet.
Add options applying options table contents.

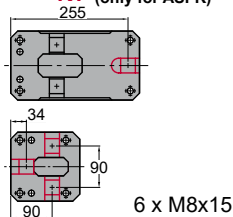
OPTIONS

K - KT

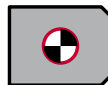
KEY



KT (only for ASFK)



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



ASCB 0150 70-K

ASCB 0150 70-P16

ASCB 0150 70-P16-K



SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ⑳ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*⑱	Coil Spring	1	TF40-90
*⑳	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150



Aerial cam for pierce



General information



AUKE 0065



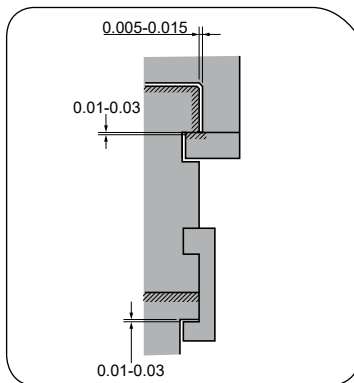
AUKE 0100



AUKE 0200

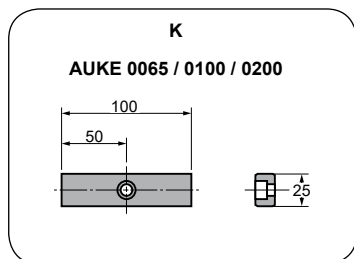
- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- Slider easy desassembly from the rear.

Adjustment clearances



AUKE 0065
AUKE 0100
AUKE 0200

Keys



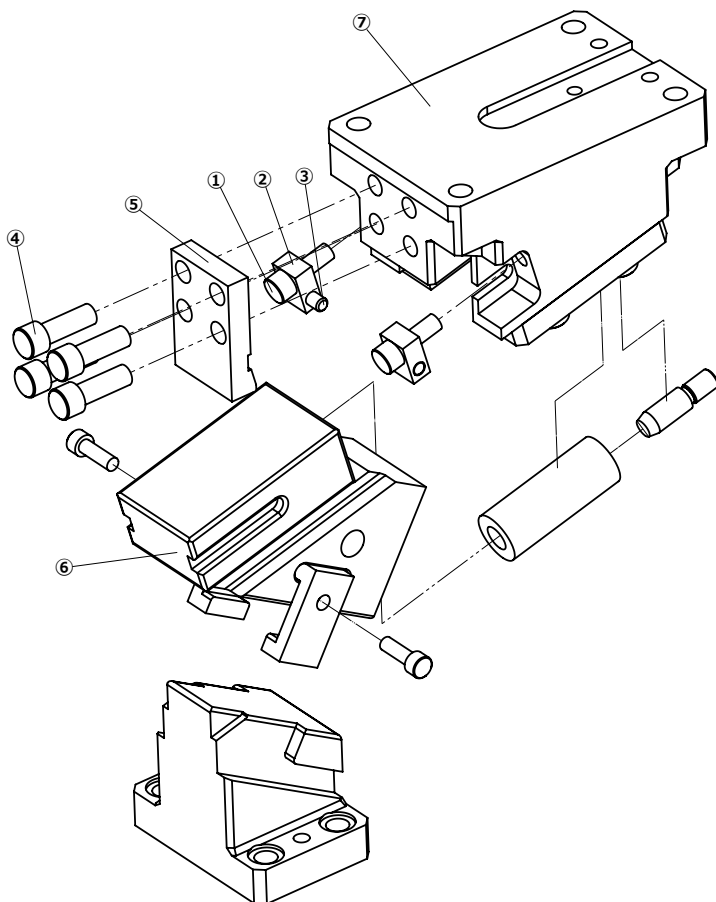
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove stopper plates ② and the pin ③.
- Unscrew ④ and remove the plate ⑤.
- Push cam slider ⑥ and remove cam support ⑦.

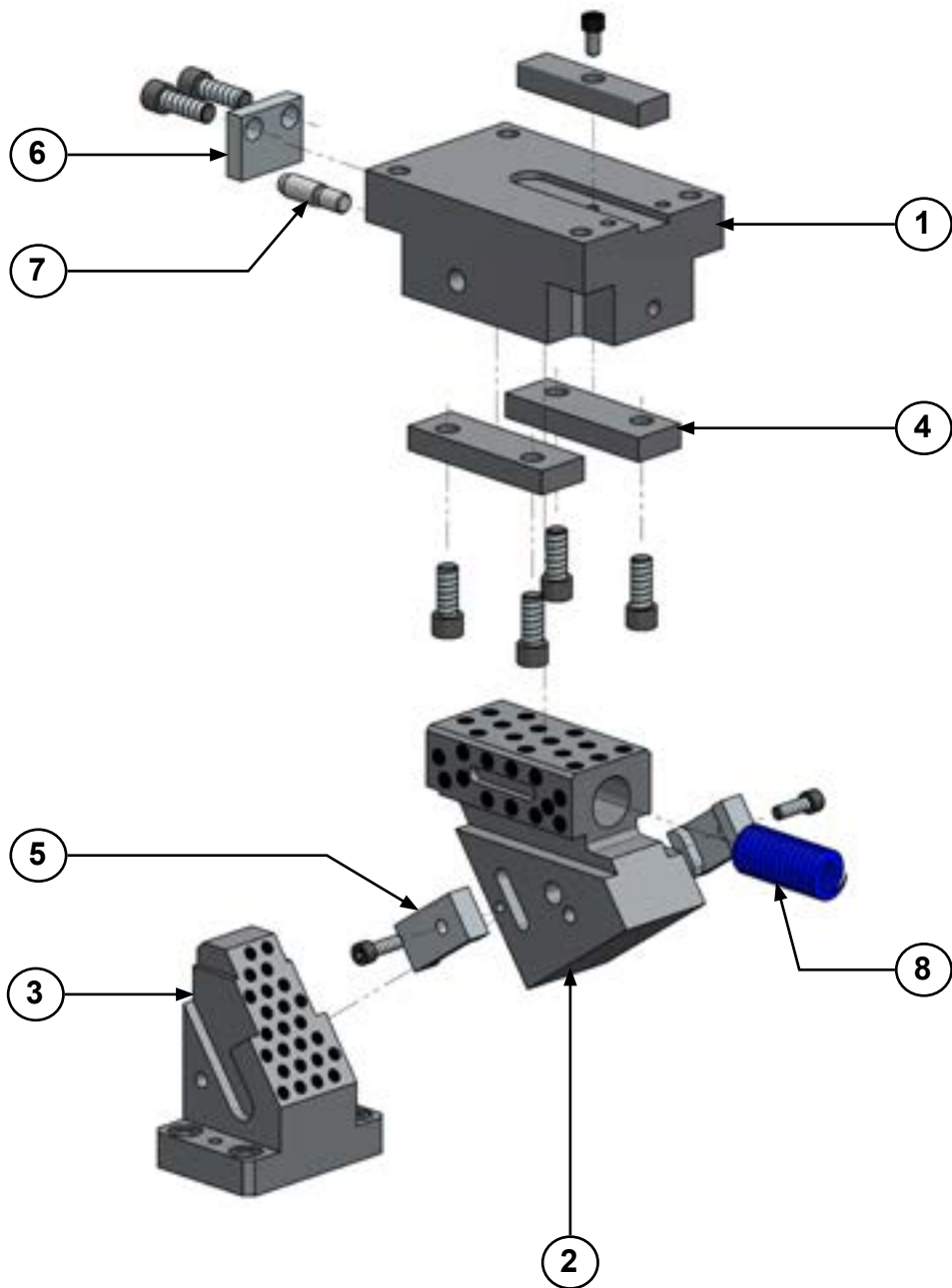
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AUKE 0065

Aerial cam for pierce

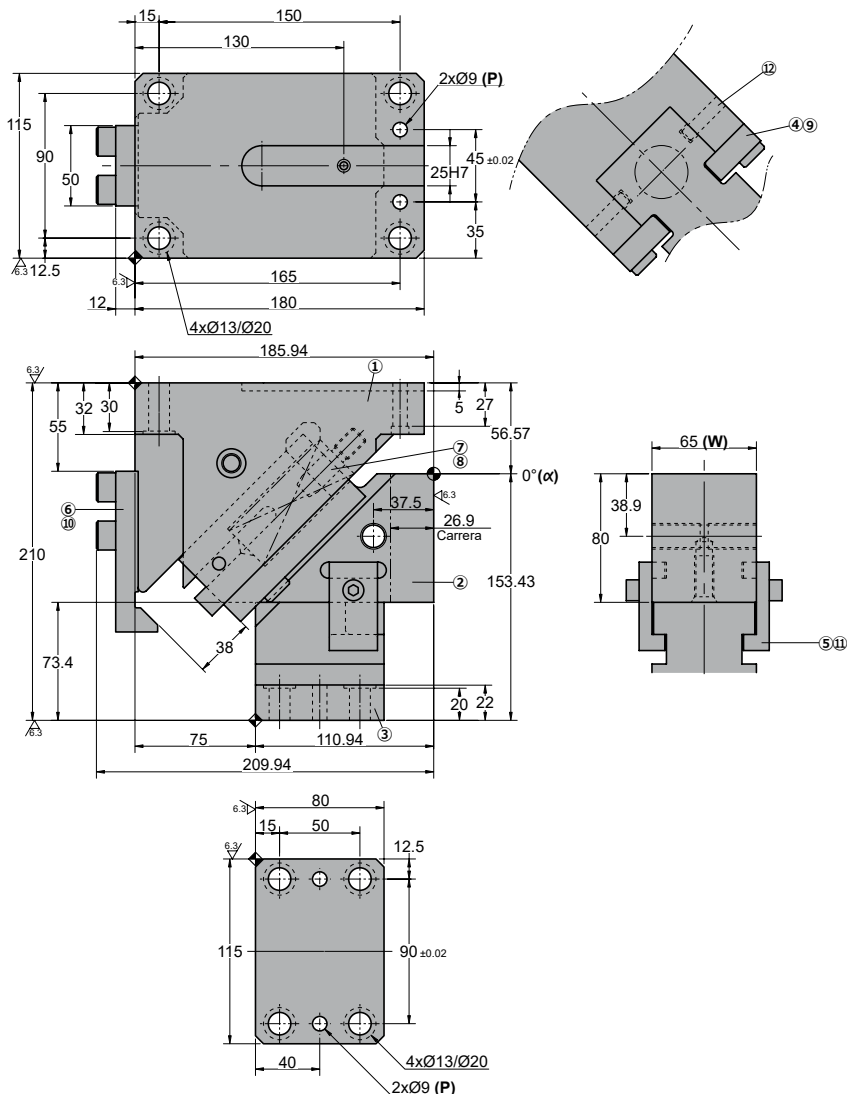


AUKE 0065

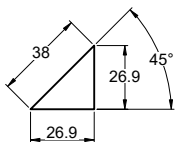
Aerial cam for pierce



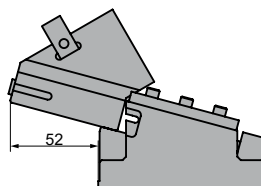
AUKE 0065 00



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
26.9	19.6 (2.0)	39.2 (4.0)	166.2 (16.9)	1069.2 (109.0)	19.5	AUKE	0065	00



Order: Model (W) (α)

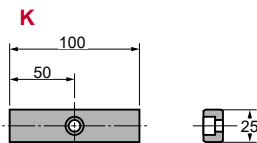
AUKE 0065 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

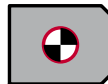
KEY



1 x M8x15

P PINS

Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option



AUKE 0065 00-K

AUKE 0065 00-P13

AUKE 0065 00-P13-K



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

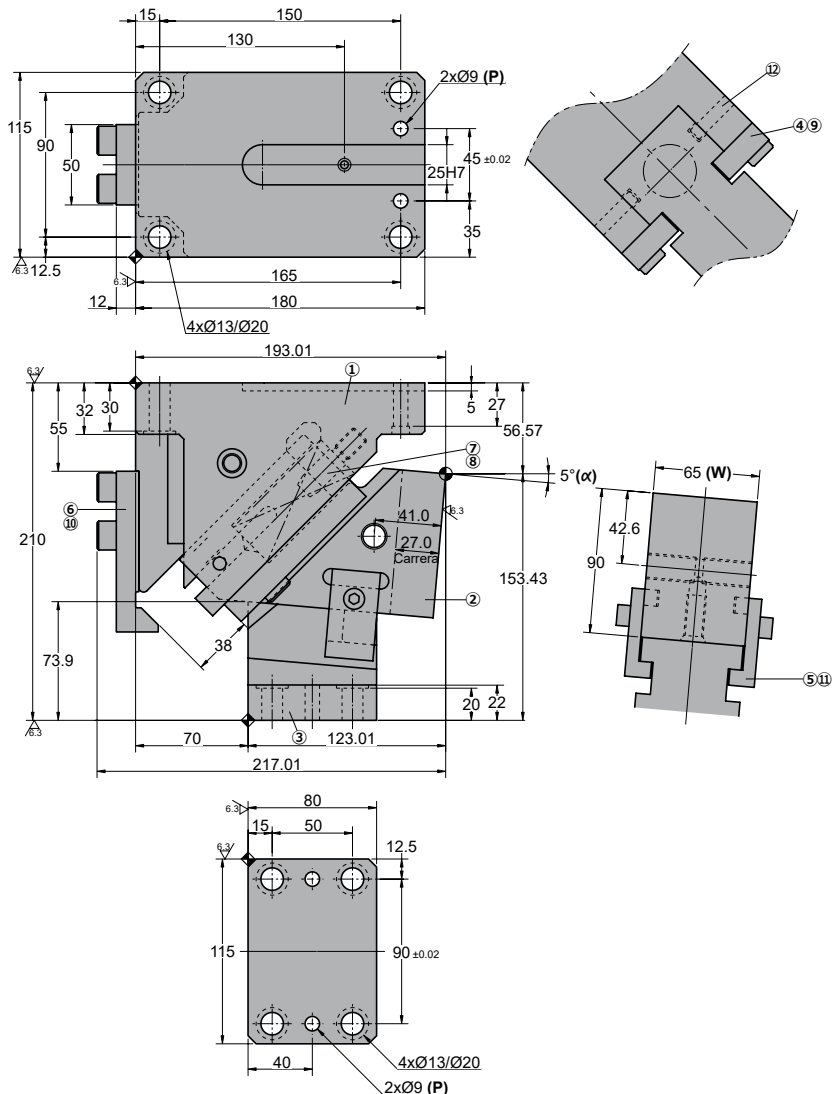
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

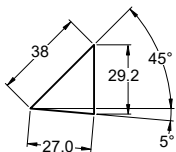
Aerial cam for pierce

**AZOL
GAS**

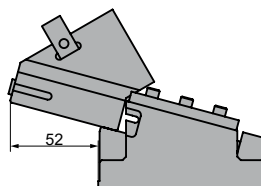
AUKE 0065 05



Cam diagram:



Desassembling space:

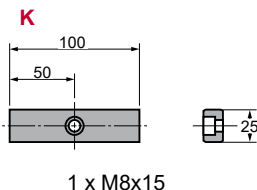


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
27.0	19.6 (2.0)	39.2 (4.0)	237.4 (24.2)	1140.5 (116.3)	19.8	AUKE	0065	05


Order: Model (W) (α)
AUKE 0065 05

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.
PH13 - Ø13 H7. only cam holder
PD13 - Ø13 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0065 05-K
AUKE 0065 05-P13
AUKE 0065 05-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

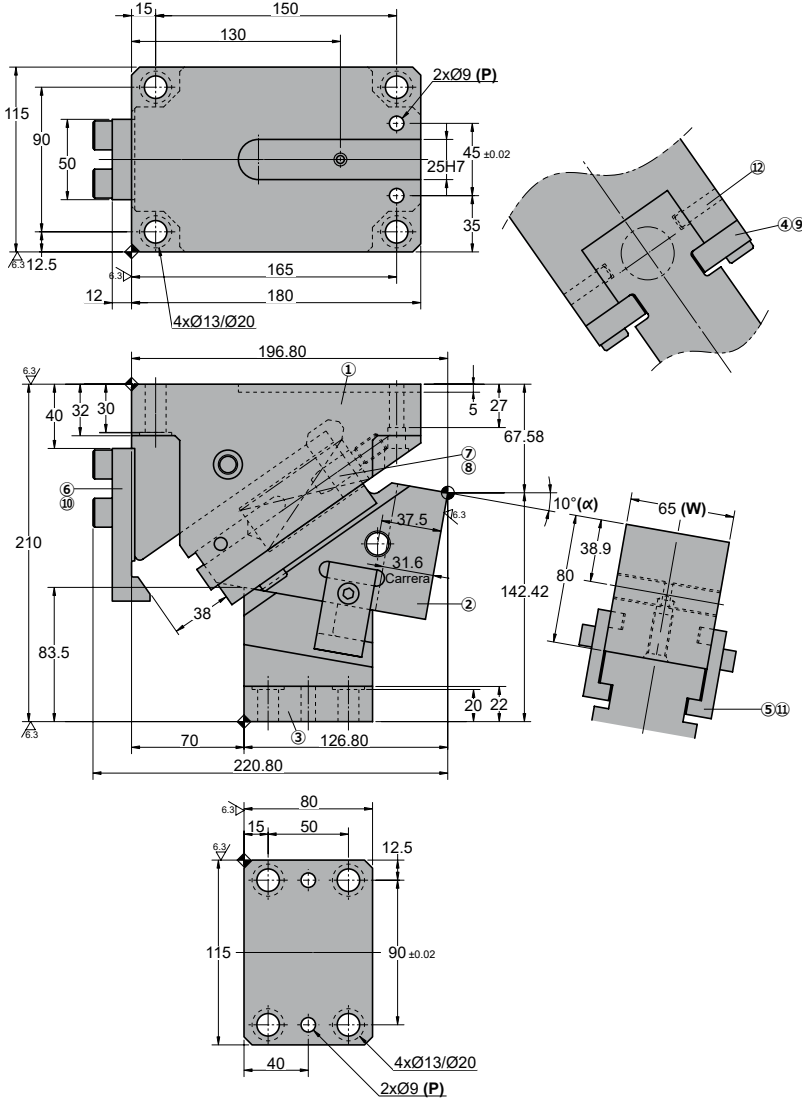
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

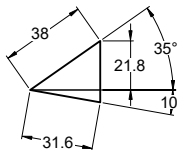
Aerial cam for pierce



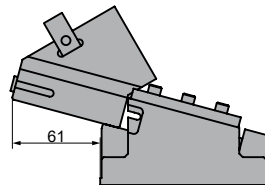
AUKE 0065 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
31.6	19.6 (2.0)	39.2 (4.0)	237.4 (24.2)	1140.5 (116.3)	19.3	AUKE	0065	10

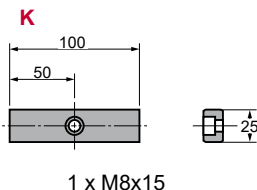

Order: Model (W) (α)
AUKE 0065 10

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0065 10-K
AUKE 0065 10-P13
AUKE 0065 10-P13-K

SPARE PARTS:

⑧ Coil Spring

COMPONENTS

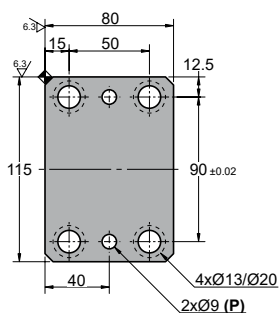
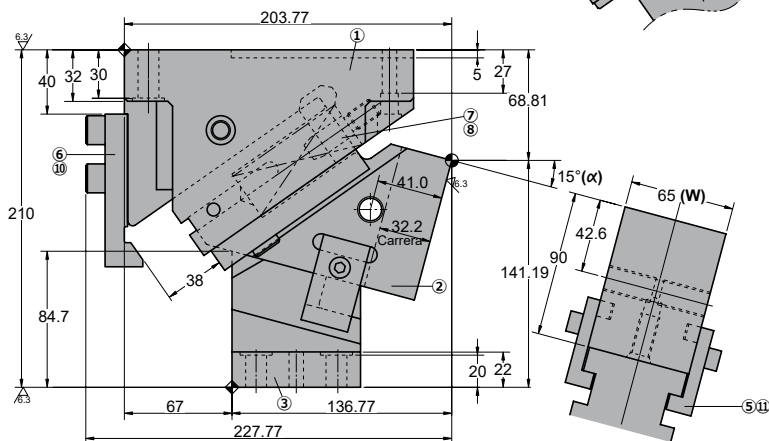
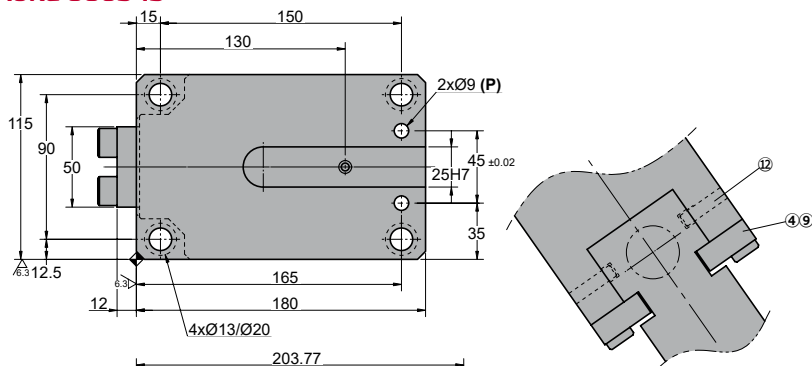
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

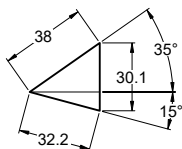
Aerial cam for pierce

**AZOL
GAS**

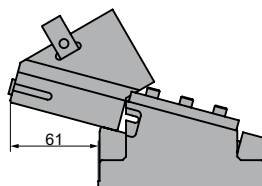
AUKE 0065 15



◦Cam diagram:



◦Desassembling space:

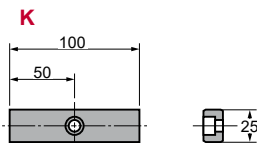


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.2	19.6 (2.0)	39.2 (4.0)	237.4 (24.2)	1140.5 (116.3)	19.6	AUKE	0065	15

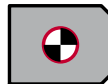

Order: Model (W) (α)
AUKE 0065 15

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.
PH13 - Ø13 H7. only cam holder
PD13 - Ø13 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0065 15-K
AUKE 0065 15-P13
AUKE 0065 15-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

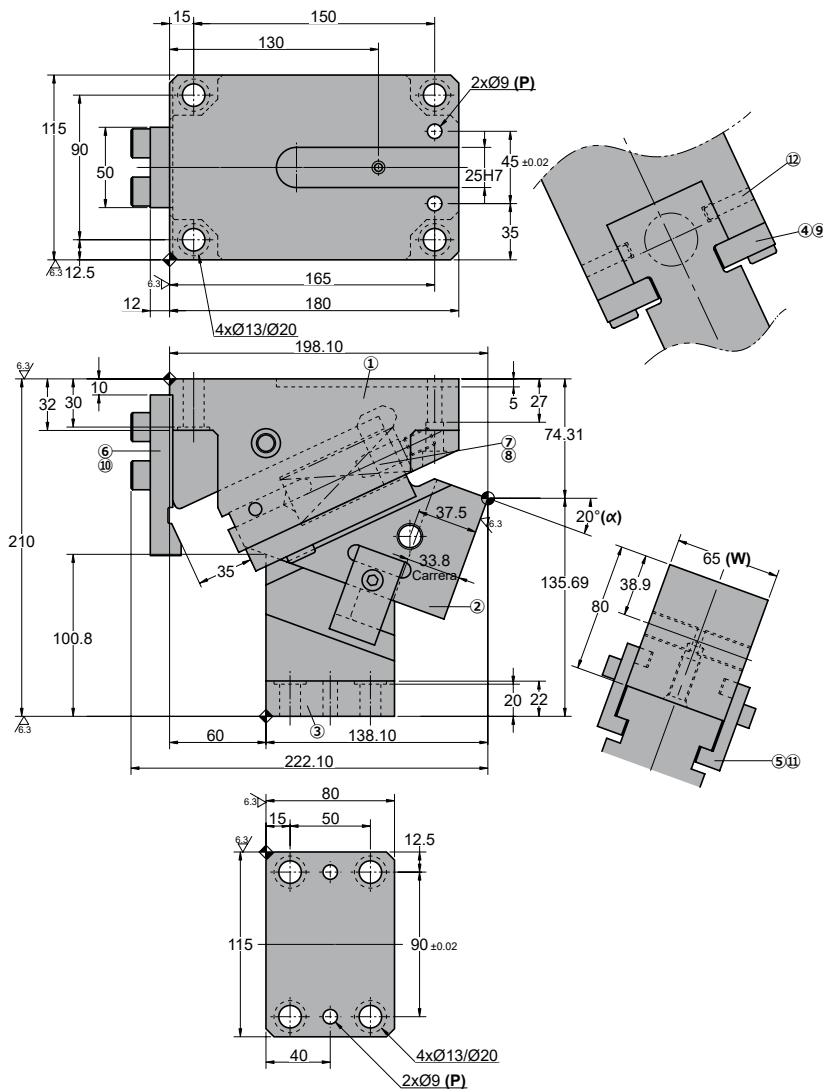
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

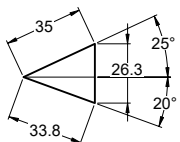
Aerial cam for pierce

**AZOL
GAS**

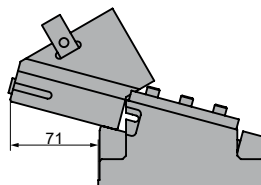
AUKE 0065 20



Cam diagram:



Desassembling space:

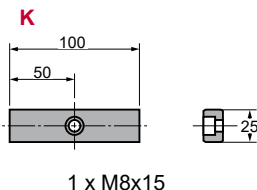
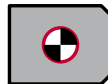


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.8	19.6 (2.0)	39.2 (4.0)	308.6 (31.5)	1140.5 (116.3)	18.1	AUKE	0065	20


Order: Model (W) (α)
AUKE 0065 20

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.
PH13 - Ø13 H7. only cam holder
PD13 - Ø13 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0065 20-K
AUKE 0065 20-P13
AUKE 0065 20-P13-K

SPARE PARTS:
⑧ Coil Spring

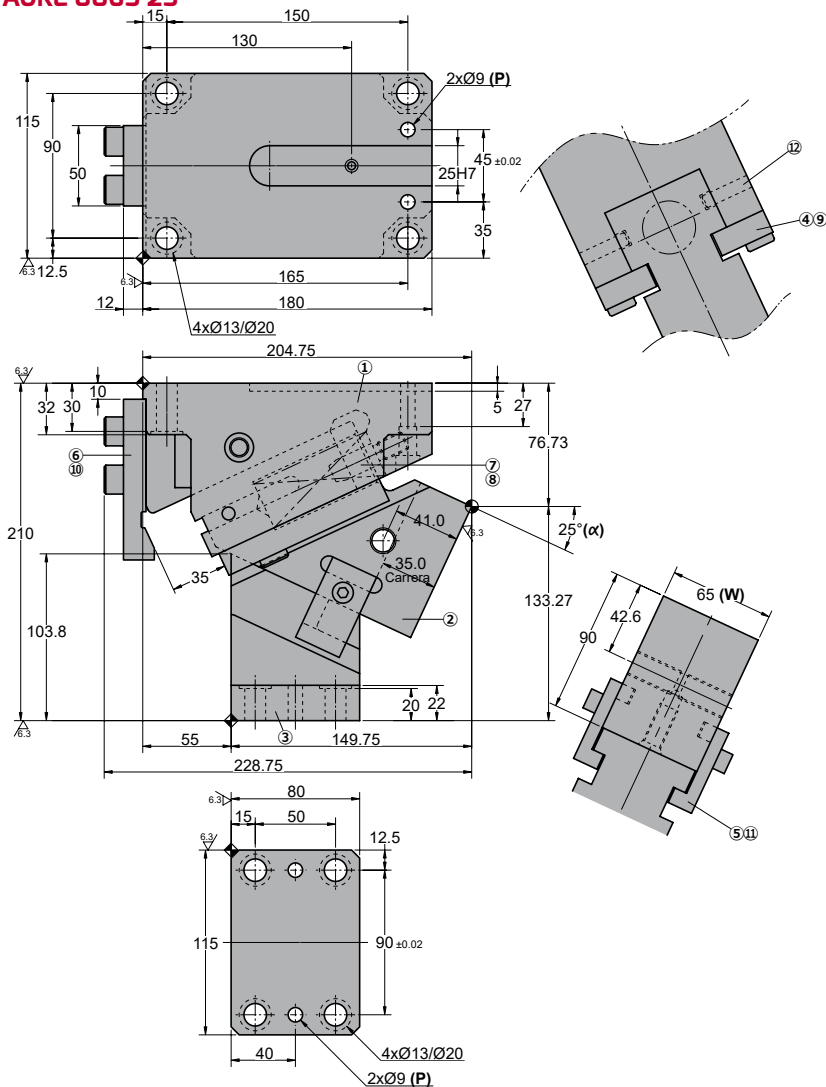
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

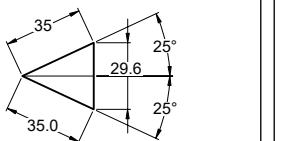
AUKE 0065

Aerial cam for pierce

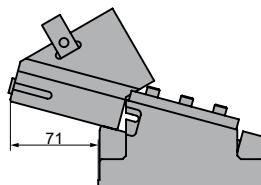
AUKE 0065 25



◦Cam diagram:



◦Desassembling space:

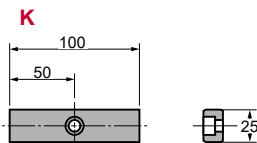


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.0	19.6 (2.0)	39.2 (4.0)	308.6 (31.5)	1140.5 (116.3)	18.4	AUKE	0065	25

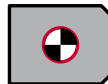

Order: Model (W) (α)
AUKE 0065 25

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0065 25-K
AUKE 0065 25-P13
AUKE 0065 25-P13-K

SPARE PARTS:

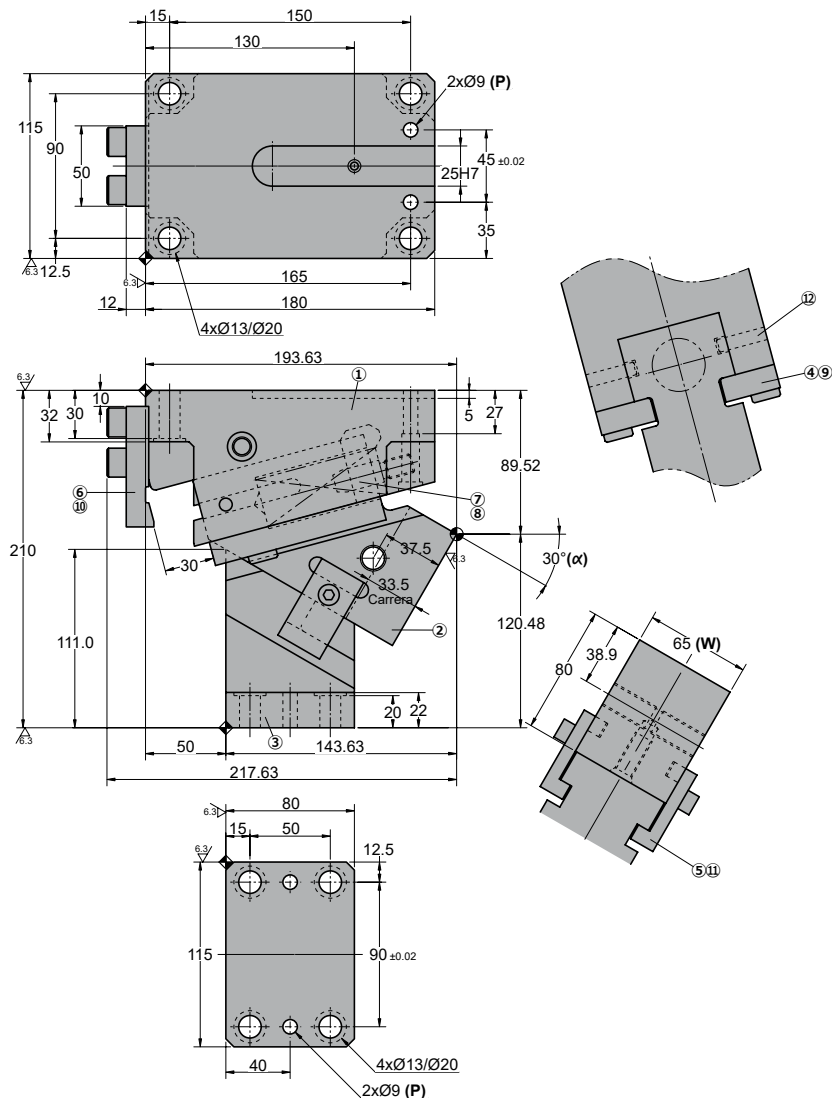
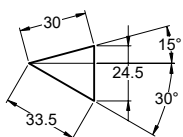
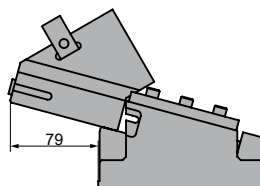
⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

Aerial cam for pierce

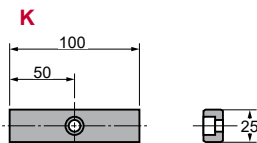
**AZOL
GAS** **AUKE 0065 30****Cam diagram:****Desassembling space:**

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.5	23.5 (2.4)	47.0 (4.8)	427.7 (43.6)	1140.5 (116.3)	17.7	AUKE	0065	30


Order: Model (W) (α)
AUKE 0065 30

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0065 30-K
AUKE 0065 30-P13
AUKE 0065 30-P13-K

SPARE PARTS:

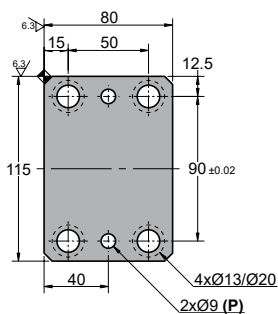
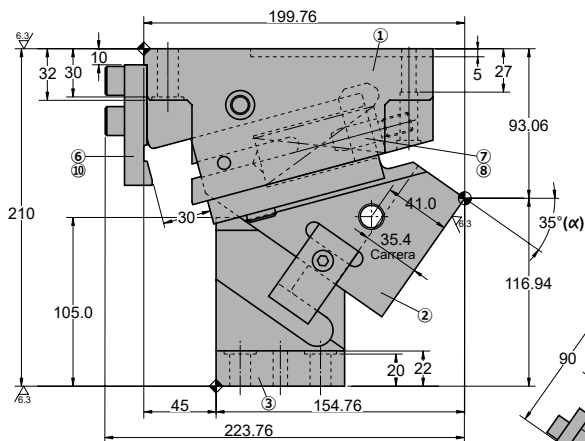
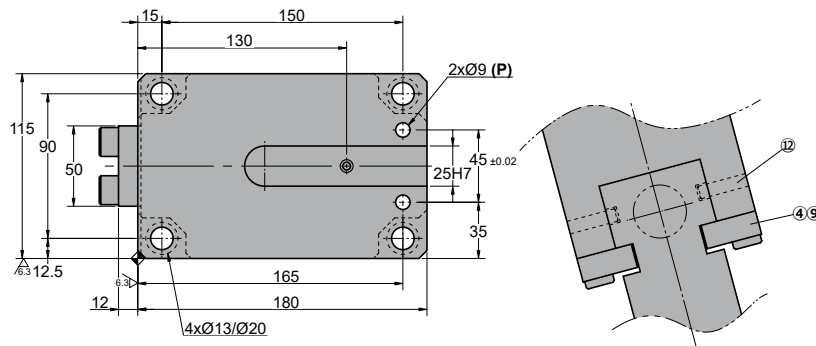
⑧ Coil Spring

COMPONENTS

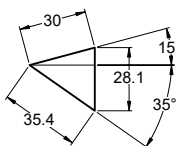
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

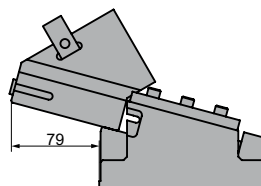
Aerial cam for pierce

AUKE 0065 35

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.4	23.5 (2.4)	47.0 (4.8)	427.7 (43.6)	1140.5 (116.3)	18.0	AUKE	0065	35



Order: Model (W) (α)

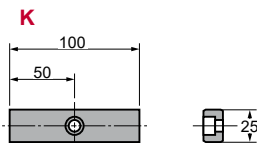
AUKE 0065 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

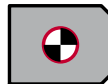
KEY



1 x M8x15

P PINS

Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option



AUKE 0065 35-K

AUKE 0065 35-P13

AUKE 0065 35-P13-K



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

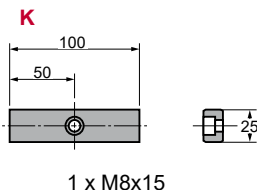
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.9	23.5 (2.4)	47.0 (4.8)	356.1 (36.3)	1140.5 (116.3)	16.9	AUKE	0065	40


Order: Model (W) (α)
AUKE 0065 40

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.
PH13 - Ø13 H7. only cam holder
PD13 - Ø13 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0065 40-K
AUKE 0065 40-P13
AUKE 0065 40-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

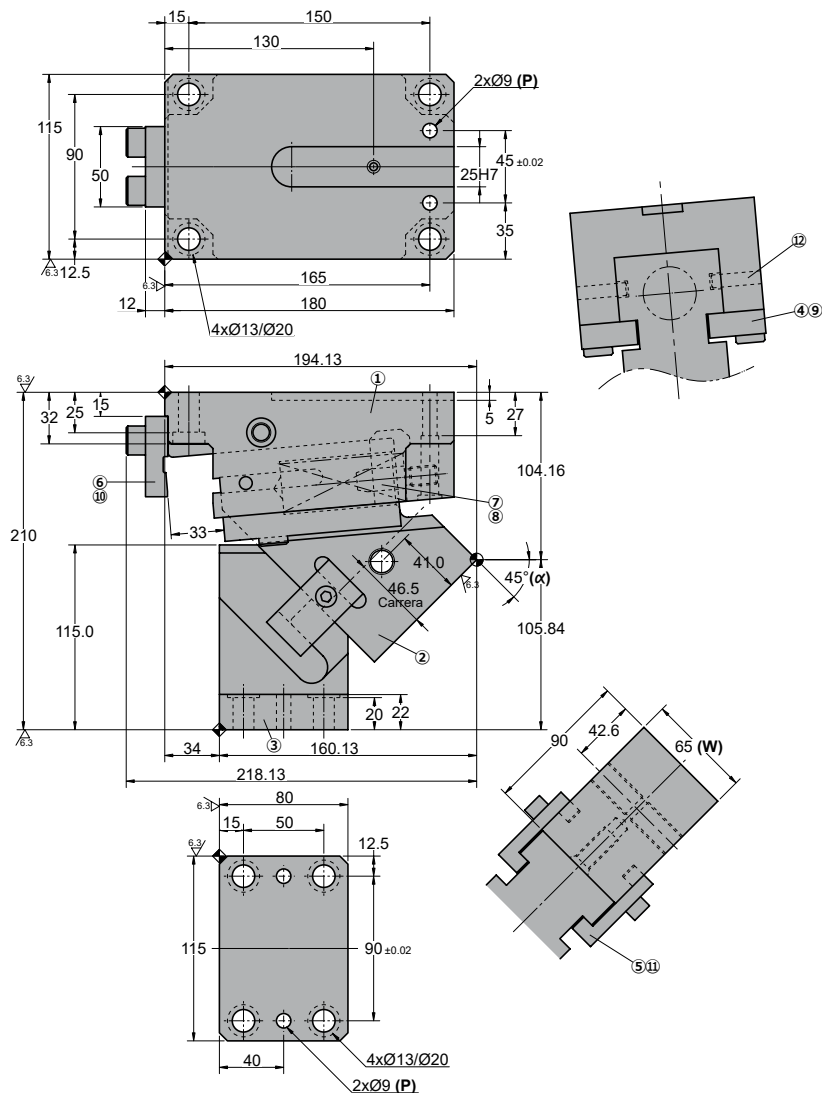
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

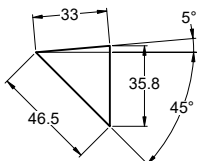
Aerial cam for pierce

**AZOL
GAS** 

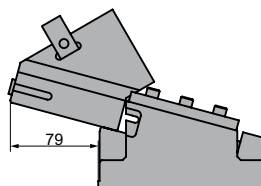
AUKE 0065 45



◦Cam diagram:



◦Desassembling space:

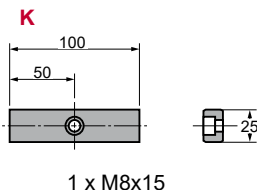


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.5	23.5 (2.4)	47.0 (4.8)	356.1 (36.3)	1140.5 (116.3)	17.1	AUKE	0065	45


Order: Model (W) (α)
AUKE 0065 45

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.
PH13 - Ø13 H7. only cam holder
PD13 - Ø13 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0065 45-K
AUKE 0065 45-P13
AUKE 0065 45-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
54.5	29.4 (3.0)	58.8 (6.0)	308.6 (31.5)	1140.5 (116.3)	16.8	AUKE	0065	50



Order: Model (W) (α)

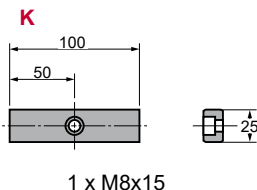
AUKE 0065 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option



AUKE 0065 50-K

AUKE 0065 50-P13

AUKE 0065 50-P13-K



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

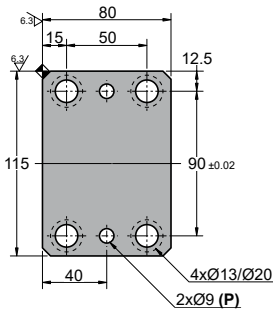
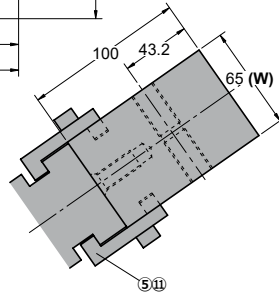
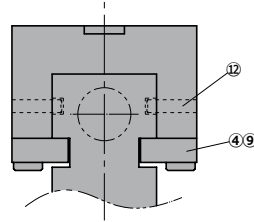
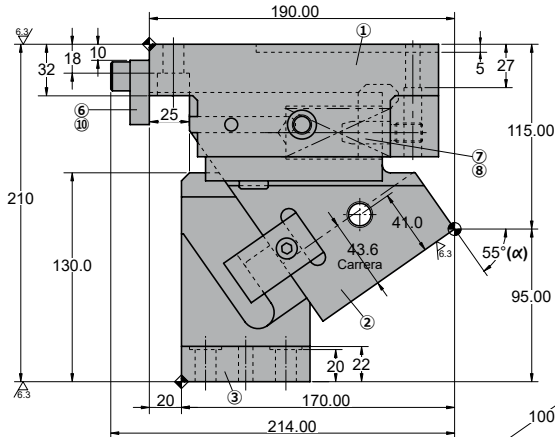
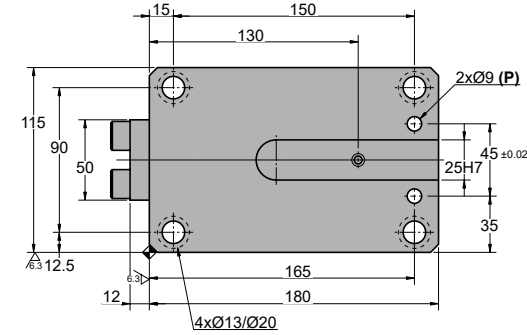
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

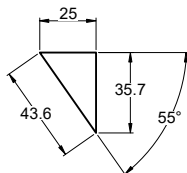
Aerial cam for pierce



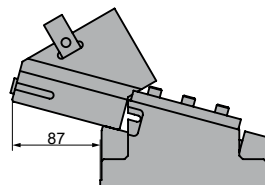
AUKE 0065 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
43.6	29.4 (3.0)	58.8 (6.0)	296.3 (30.2)	1039.2 (106.0)	17.8	AUKE	0065	55



Order: Model (W) (α)

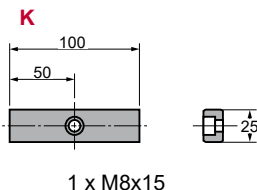
AUKE 0065 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option



AUKE 0065 55-K

AUKE 0065 55-P13

AUKE 0065 55-P13-K



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

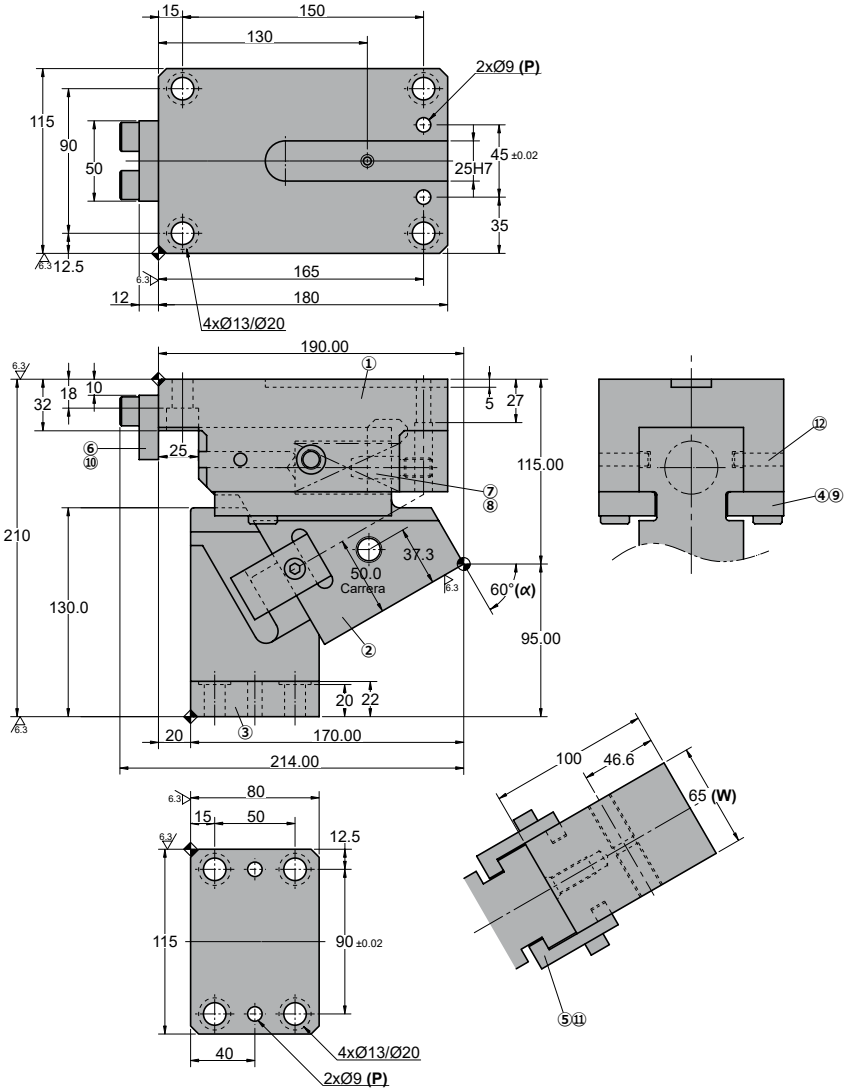
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

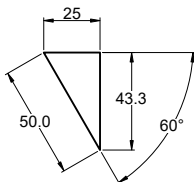
Aerial cam for pierce



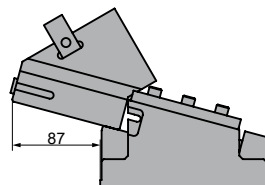
AUKE 0065 60



◦Cam diagram:



◦Desassembling space:

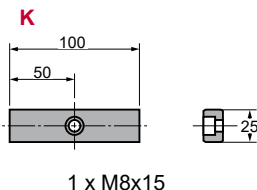
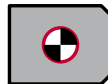


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
50.0	29.4 (3.0)	58.8 (6.0)	296.3 (30.2)	1039.2 (106.0)	17.3	AUKE	0065	60


Order: Model (W) (α)
AUKE 0065 60

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0065 60-K
AUKE 0065 60-P13
AUKE 0065 60-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

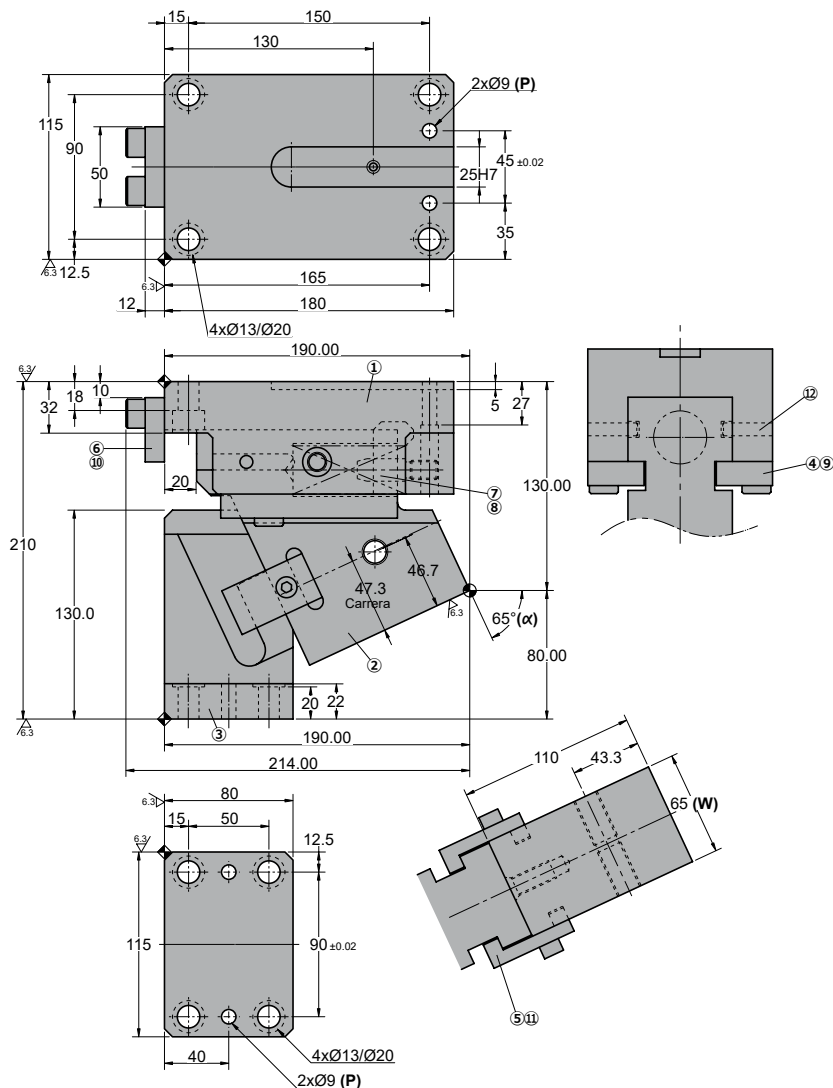
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

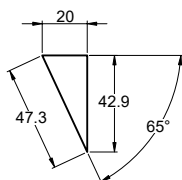
Aerial cam for pierce

**AZOL
GAS**

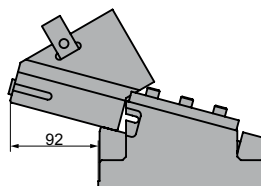
AUKE 0065 65



◦Cam diagram:



◦Desassembling space:

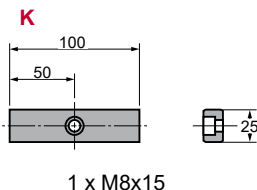


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.3	29.4 (3.0)	58.8 (6.0)	296.3 (30.2)	890.7 (90.8)	18.5	AUKE	0065	65


Order: Model (W) (α)
AUKE 0065 65

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.
PH13 - Ø13 H7. only cam holder
PD13 - Ø13 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0065 65-K
AUKE 0065 65-P13
AUKE 0065 65-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

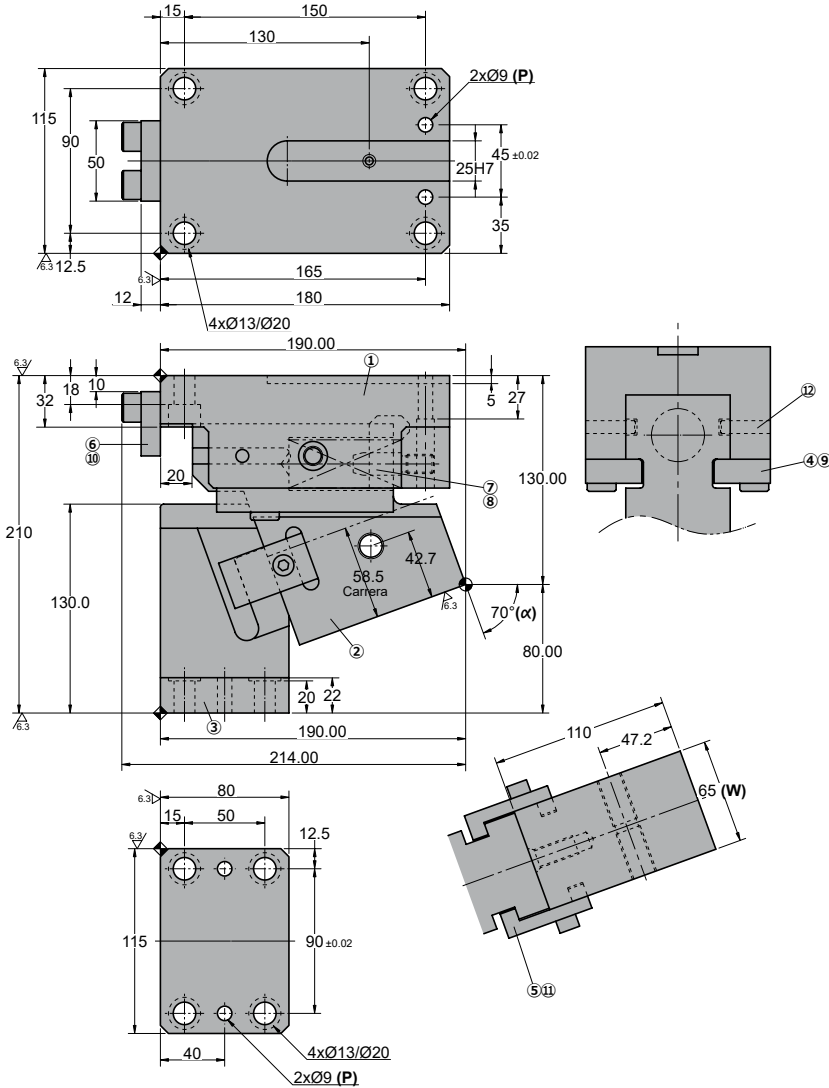
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

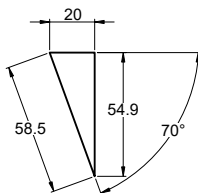
Aerial cam for pierce



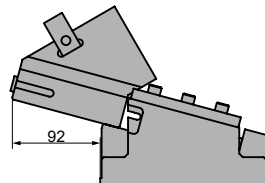
AUKE 0065 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
58.5	29.4 (3.0)	58.8 (6.0)	296.3 (30.2)	890.7 (90.8)	18.4	AUKE	0065	70

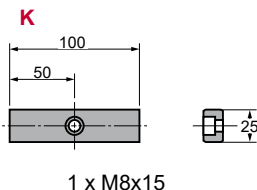

Order: Model (W) (α)
AUKE 0065 70

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø10H7 - Ø12H7 - Ø13H7

P13 - Ø13 H7.
PH13 - Ø13 H7. only cam holder
PD13 - Ø13 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0065 70-K
AUKE 0065 70-P13
AUKE 0065 70-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

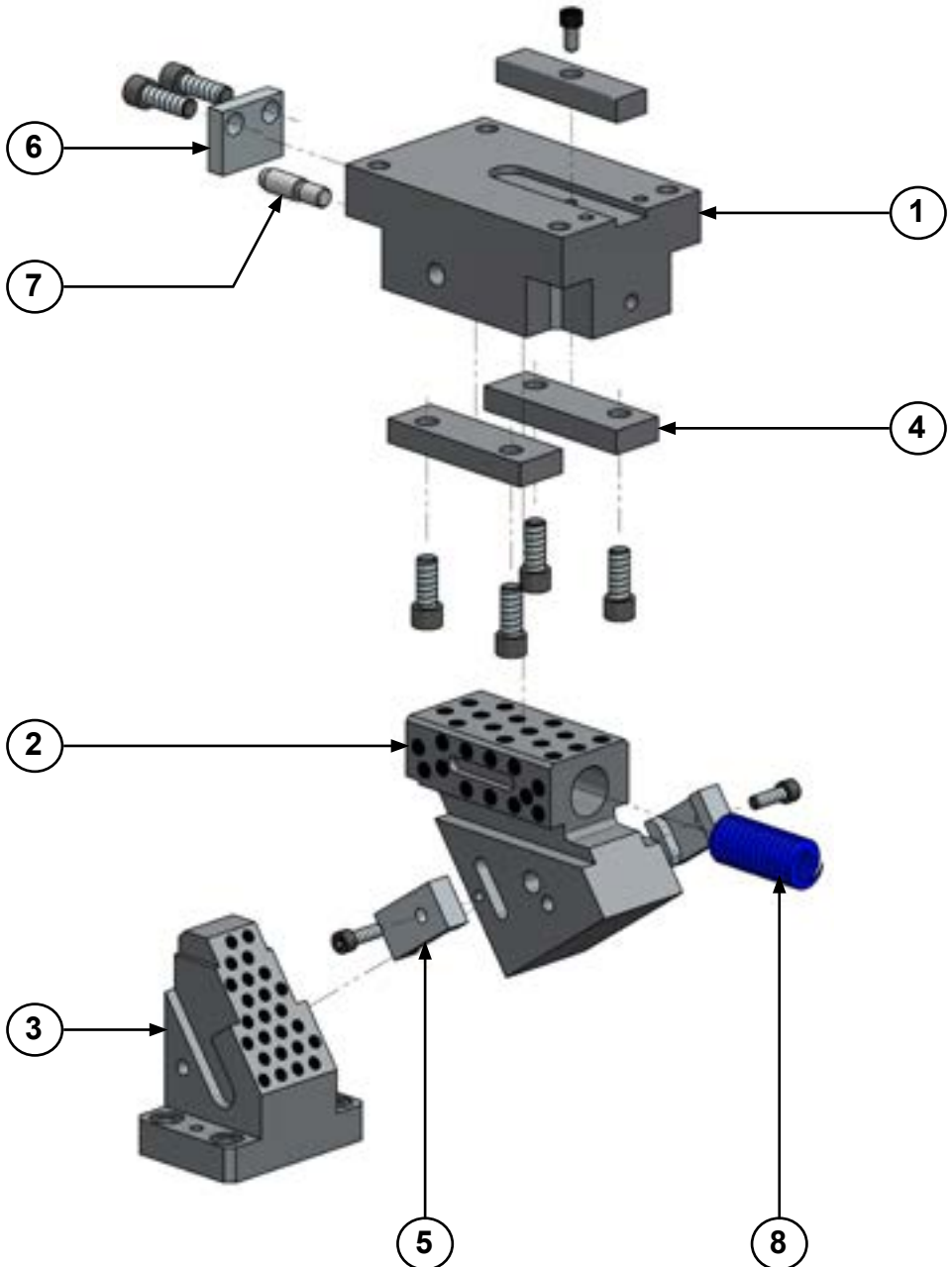
AUKE 0065



Aerial cam for pierce

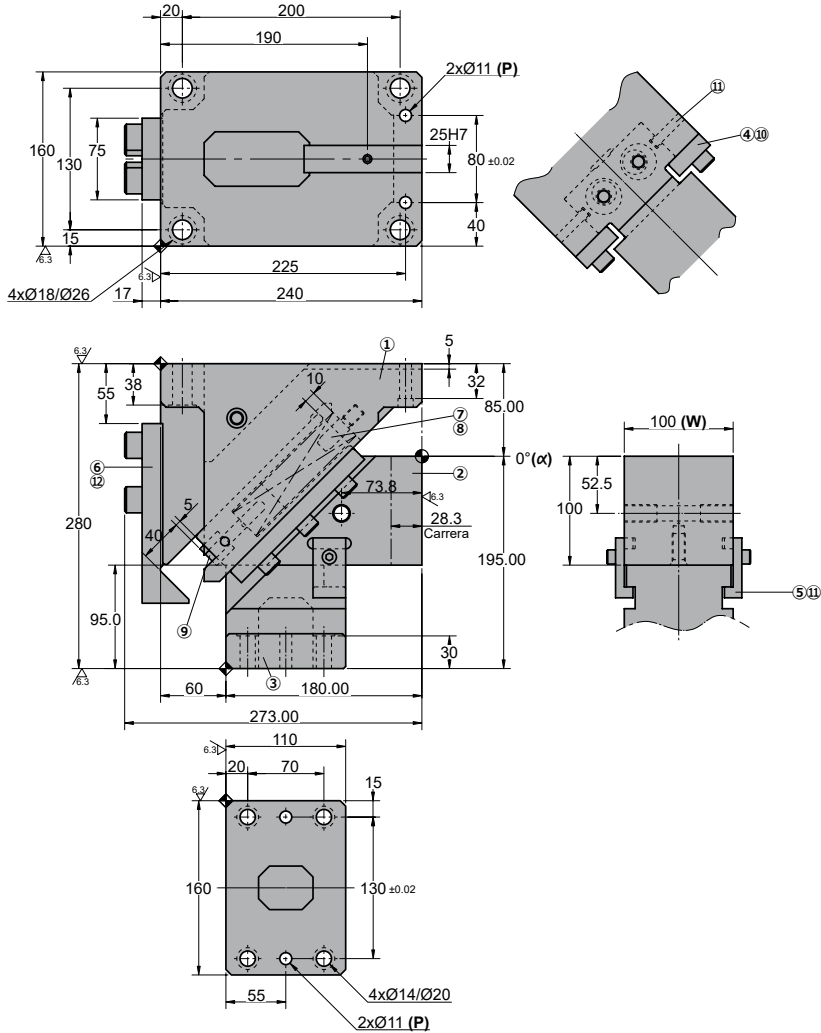
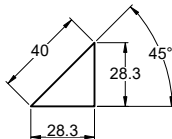
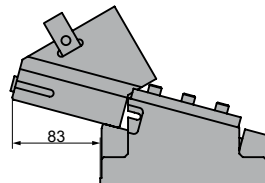
AUKE 0100

Aerial cam for pierce and flange



AUKE 0100

Aerial cam for pierce and flange

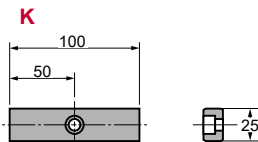
AUKE 0100 00**Cam diagram:****Desassembling space:**

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
28.3	44.1 (4.5)	88.2 (9.0)	313.0 (31.9)	2819.7 (287.5)	47.0	AUKE	0100	00

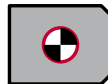

Order: Model (W) (α)
AUKE 0100 00

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 00-K
AUKE 0100 00-P13
AUKE 0100 00-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

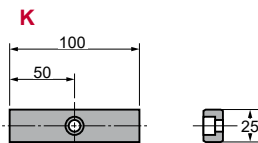
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
28.4	44.1 (4.5)	88.2 (9.0)	146.4 (14.9)	3070.2 (313.3)	47.8	AUKE	0100	05


Order: Model (W) (α)
AUKE 0100 05

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 05-K
AUKE 0100 05-P13
AUKE 0100 05-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

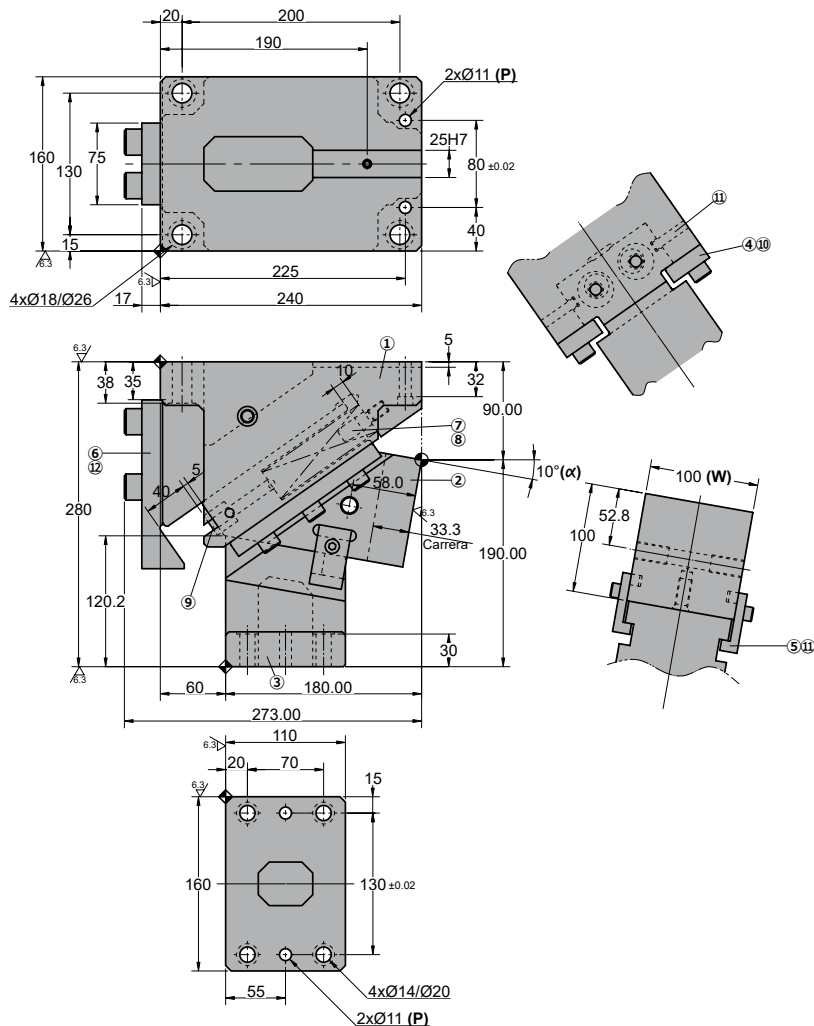
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-150
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

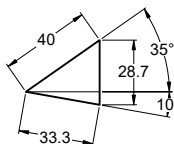
Aerial cam for pierce and flange

**AZOL
GAS**

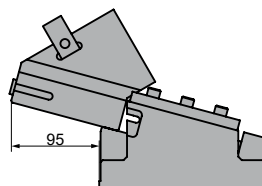
AUKE 0100 10



Cam diagram:



Desassembling space:

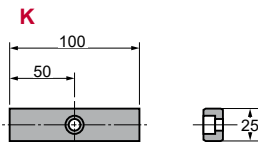


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.3	44.1 (4.5)	88.2 (9.0)	146.4 (14.9)	3070.2 (313.3)	44.9	AUKE	0100	10


Order: Model (W) (α)
AUKE 0100 10

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 10-K
AUKE 0100 10-P13
AUKE 0100 10-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

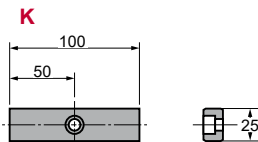
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-150
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.9	44.1 (4.5)	88.2 (9.0)	146.4 (14.9)	3070.2 (313.3)	47.1	AUKE	0100	15


Order: Model (W) (α)
AUKE 0100 15

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 15-K
AUKE 0100 15-P13
AUKE 0100 15-P13-K

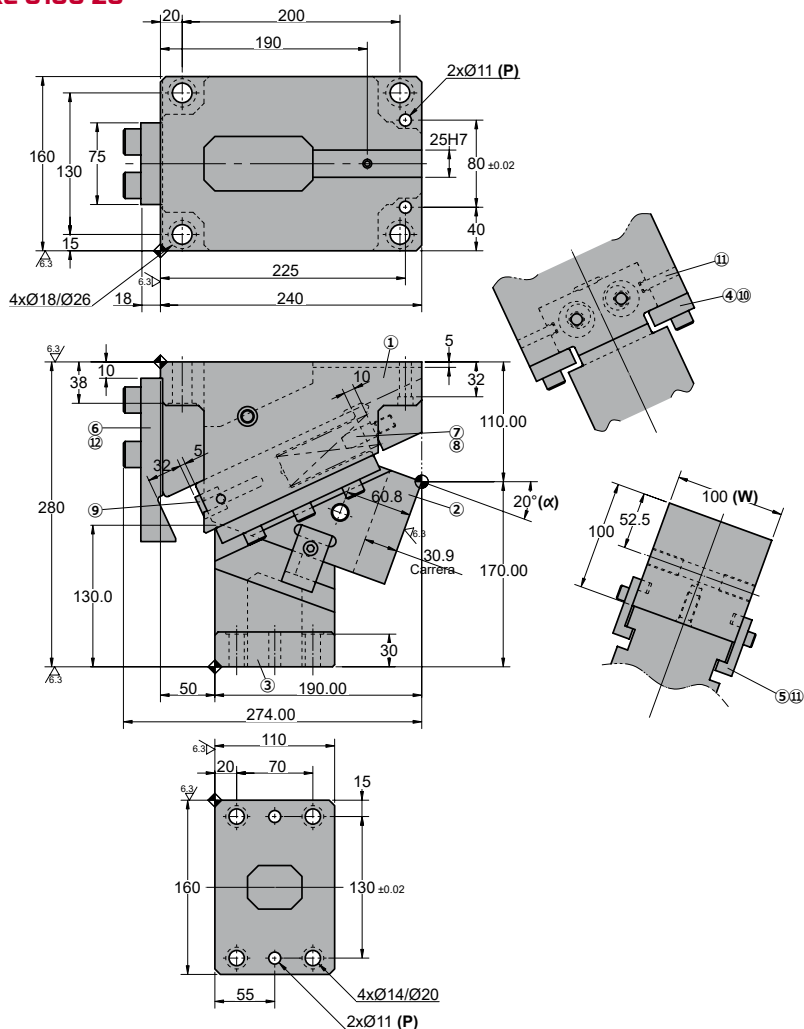
SPARE PARTS:
⑧ Coil Spring

COMPONENTS

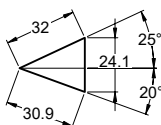
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-150
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

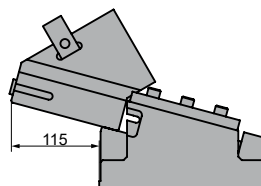
Aerial cam for pierce and flange

**AZOL
GAS** **AUKE 0100 20**

◦Cam diagram:



◦Desassembling space:

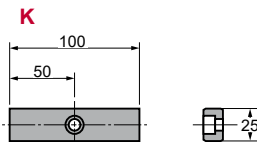


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.9	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2982.5 (304.1)	44.8	AUKE	0100	20

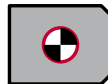

Order: Model (W) (α)
AUKE 0100 20

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 20-K
AUKE 0100 20-P13
AUKE 0100 20-P13-K

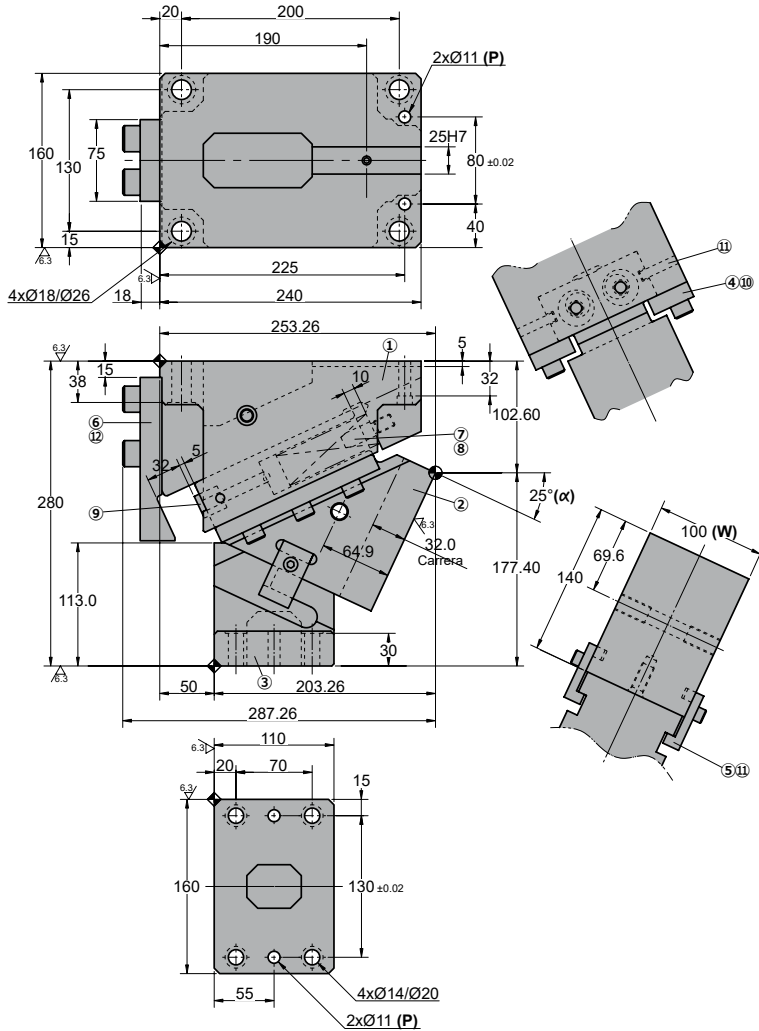
SPARE PARTS:
⑧ Coil Spring

COMPONENTS

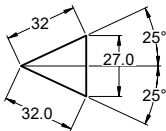
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

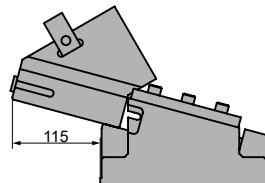
Aerial cam for pierce and flange

**AZOL
GAS** **AUKE 0100 25**

◦Cam diagram:



◦Desassembling space:

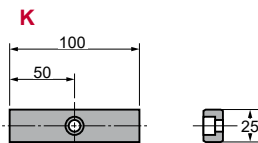


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.0	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2982.5 (304.1)	46.5	AUKE	0100	25


Order: Model (W) (α)
AUKE 0100 25

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 25-K
AUKE 0100 25-P13
AUKE 0100 25-P13-K

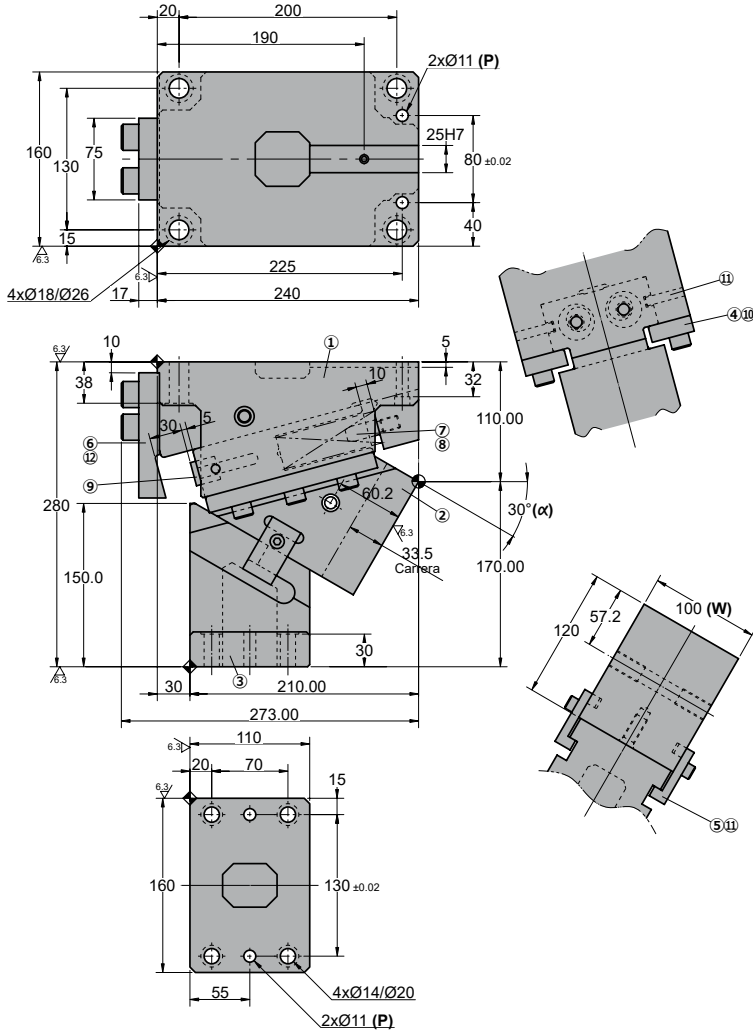
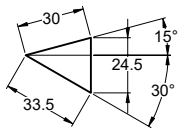
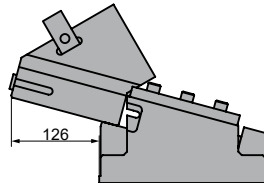
SPARE PARTS:
⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

Aerial cam for pierce and flange

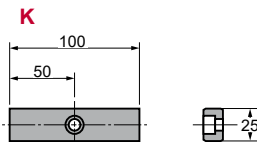
AUKE 0100 30**Cam diagram:****Desassembling space:**

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.5	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2982.5 (304.1)	44.1	AUKE	0100	30


Order: Model (W) (α)
AUKE 0100 30

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 30-K
AUKE 0100 30-P13
AUKE 0100 30-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

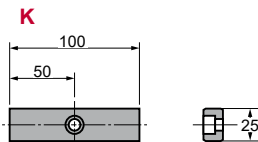
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.4	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2807.0 (286.2)	45.4	AUKE	0100	35


Order: Model (W) (α)
AUKE 0100 35

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 35-K
AUKE 0100 35-P13
AUKE 0100 35-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

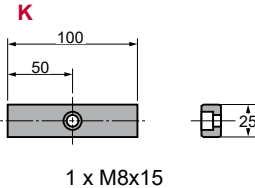
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.0	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2807.0 (286.2)	45.4	AUKE	0100	40


Order: Model (W) (α)
AUKE 0100 40

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 40-K
AUKE 0100 40-P13
AUKE 0100 40-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

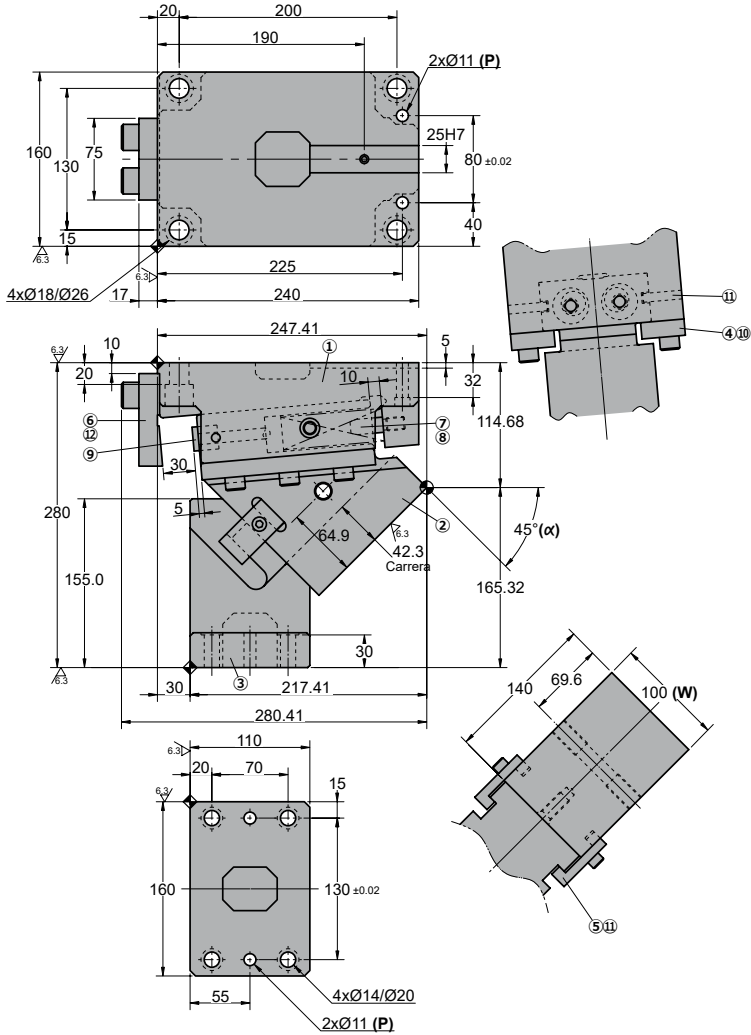
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

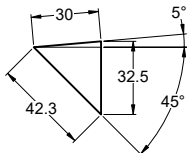
Aerial cam for pierce and flange



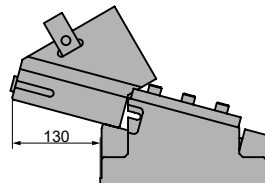
AUKE 0100 45



◦Cam diagram:



◦Desassembling space:

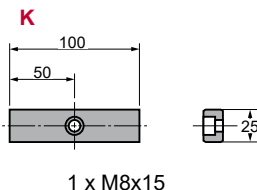


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.3	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2807.0 (286.2)	41.7	AUKE	0100	45


Order: Model (W) (α)
AUKE 0100 45

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 45-K
AUKE 0100 45-P13
AUKE 0100 45-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

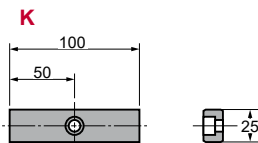
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	49.0 (5.0)	98.0 (10.0)	175.2 (17.9)	2807.0 (286.2)	41.2	AUKE	0100	50


Order: Model (W) (α)
AUKE 0100 50

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 50-K
AUKE 0100 50-P13
AUKE 0100 50-P13-K

SPARE PARTS:
⑧ Coil Spring

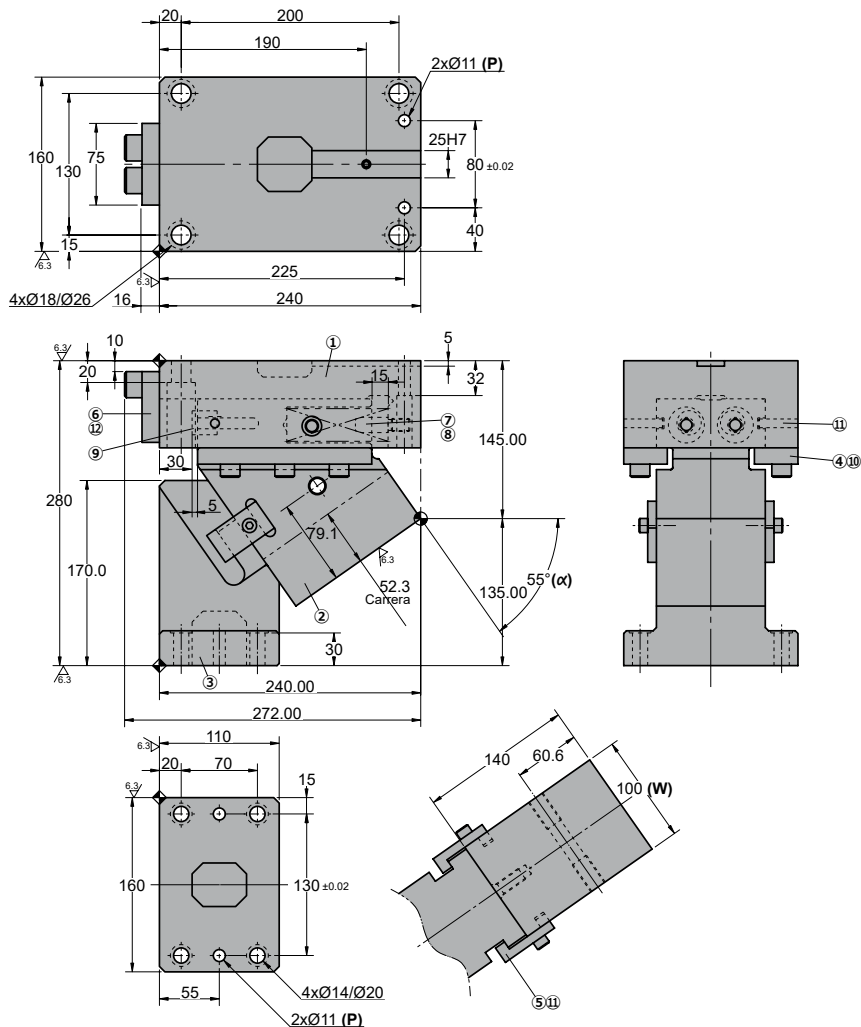
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

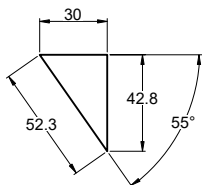
AUKE 0100

Aerial cam for pierce and flange

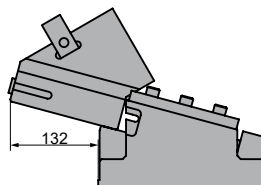
AUKE 0100 55



◦Cam diagram:



◦Desassembling space:

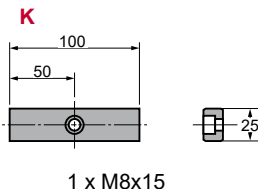


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
52.3	49.0 (5.0)	98.0 (10.0)	175.2 (17.9)	2807.0 (286.2)	44.0	AUKE	0100	55


Order: Model (W) (α)
AUKE 0100 55

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 55-K
AUKE 0100 55-P13
AUKE 0100 55-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

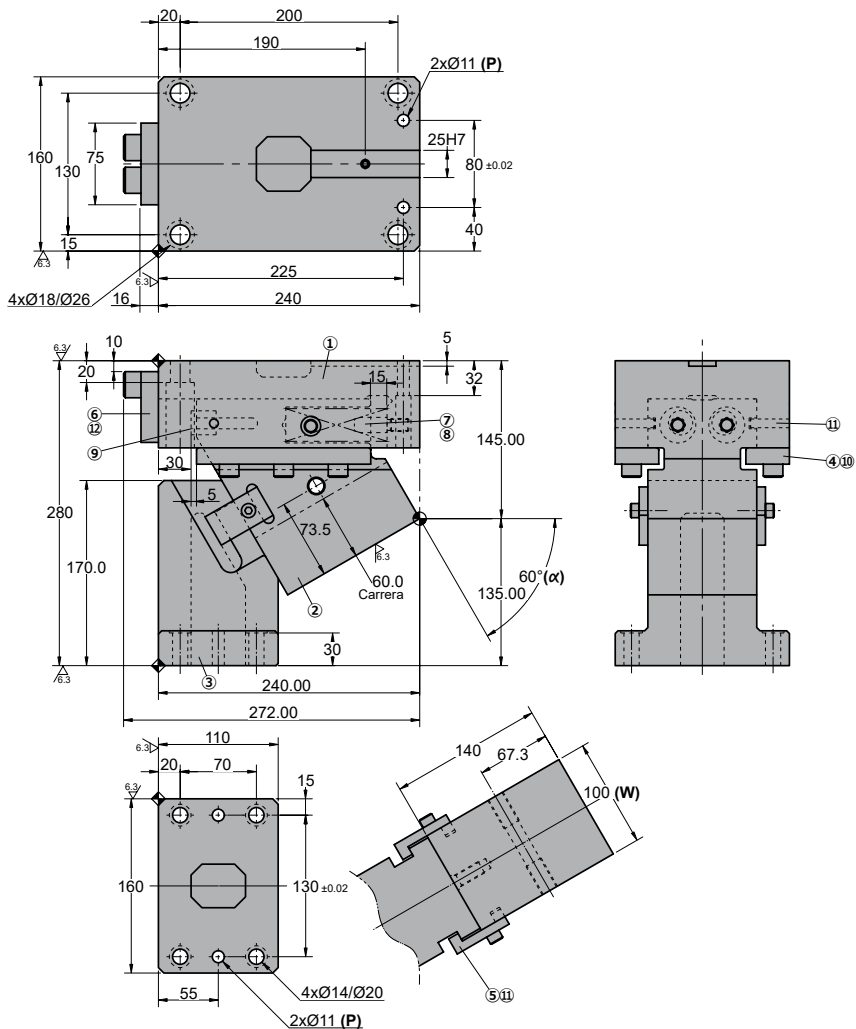
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

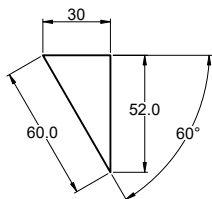
Aerial cam for pierce and flange



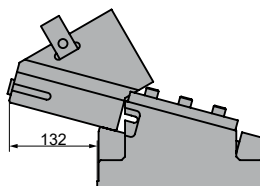
AUKE 0100 60



◦Cam diagram:



◦Desassembling space:

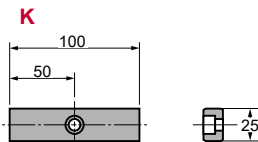


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	49.0 (5.0)	98.0 (10.0)	175.2 (17.9)	2807.0 (286.2)	42.5	AUKE	0100	60

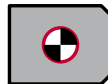

Order: Model (W) (α)
AUKE 0100 60

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 60-K
AUKE 0100 60-P13
AUKE 0100 60-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

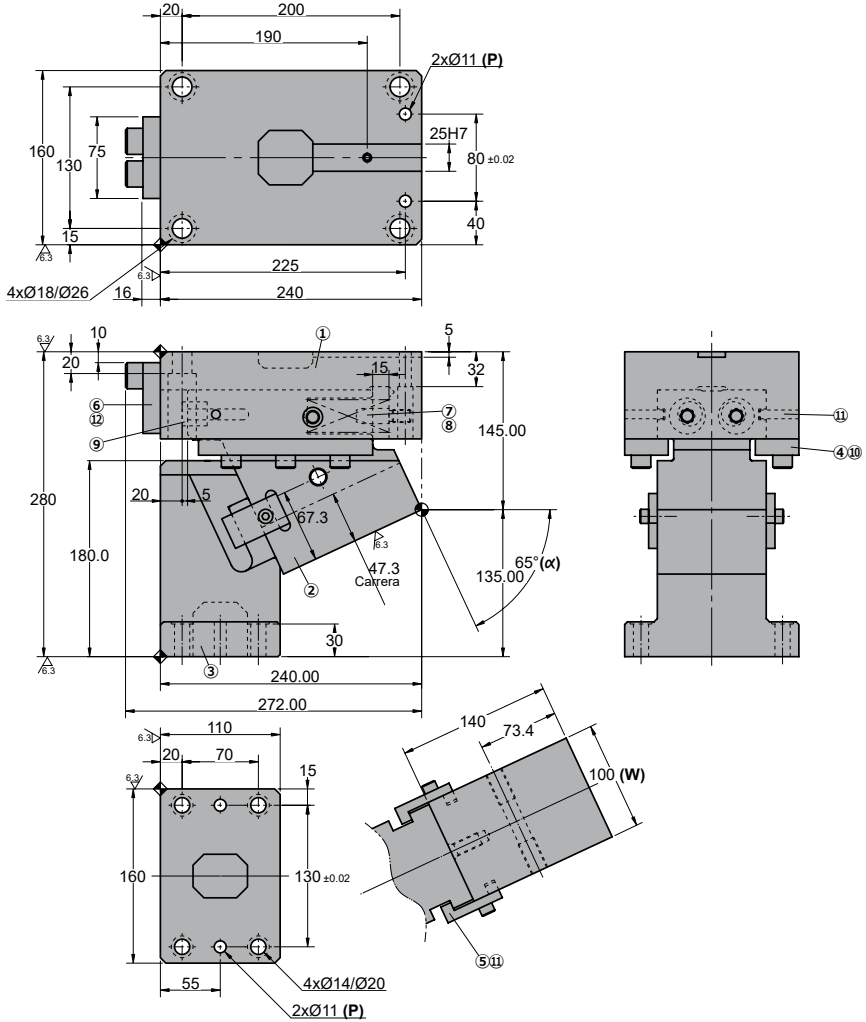
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

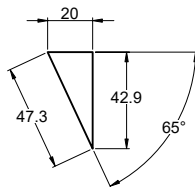
Aerial cam for pierce and flange

**AZOL
GAS** 

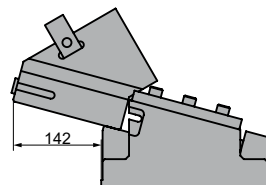
AUKE 0100 65



◦Cam diagram:



◦Desassembling space:

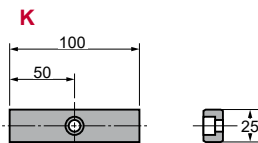


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.3	49.0 (5.0)	98.0 (10.0)	548.0 (55.9)	2741.5 (279.6)	43.0	AUKE	0100	65


Order: Model (W) (α)
AUKE 0100 65

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 65-K
AUKE 0100 65-P13
AUKE 0100 65-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

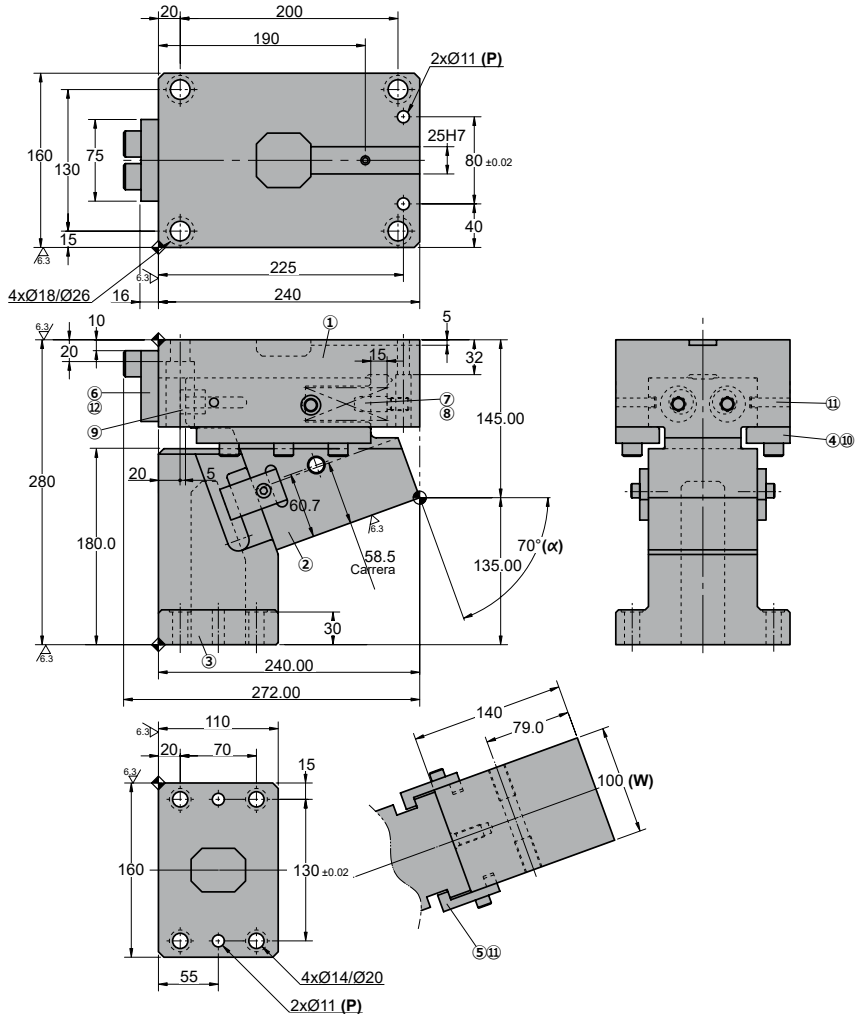
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-100
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

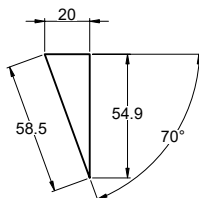
Aerial cam for pierce and flange

AZOL
GAS 

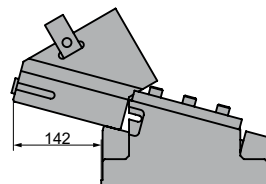
AUKE 0100 70



◦Cam diagram:



◦Desassembling space:

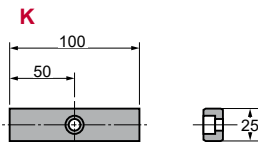


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
58.5	49.0 (5.0)	98.0 (10.0)	548.0 (55.9)	2741.5 (279.6)	41.8	AUKE	0100	70


Order: Model (W) (α)
AUKE 0100 70

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPCIONES

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7

P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**
PD13 - Ø13 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0100 70-K
AUKE 0100 70-P13
AUKE 0100 70-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

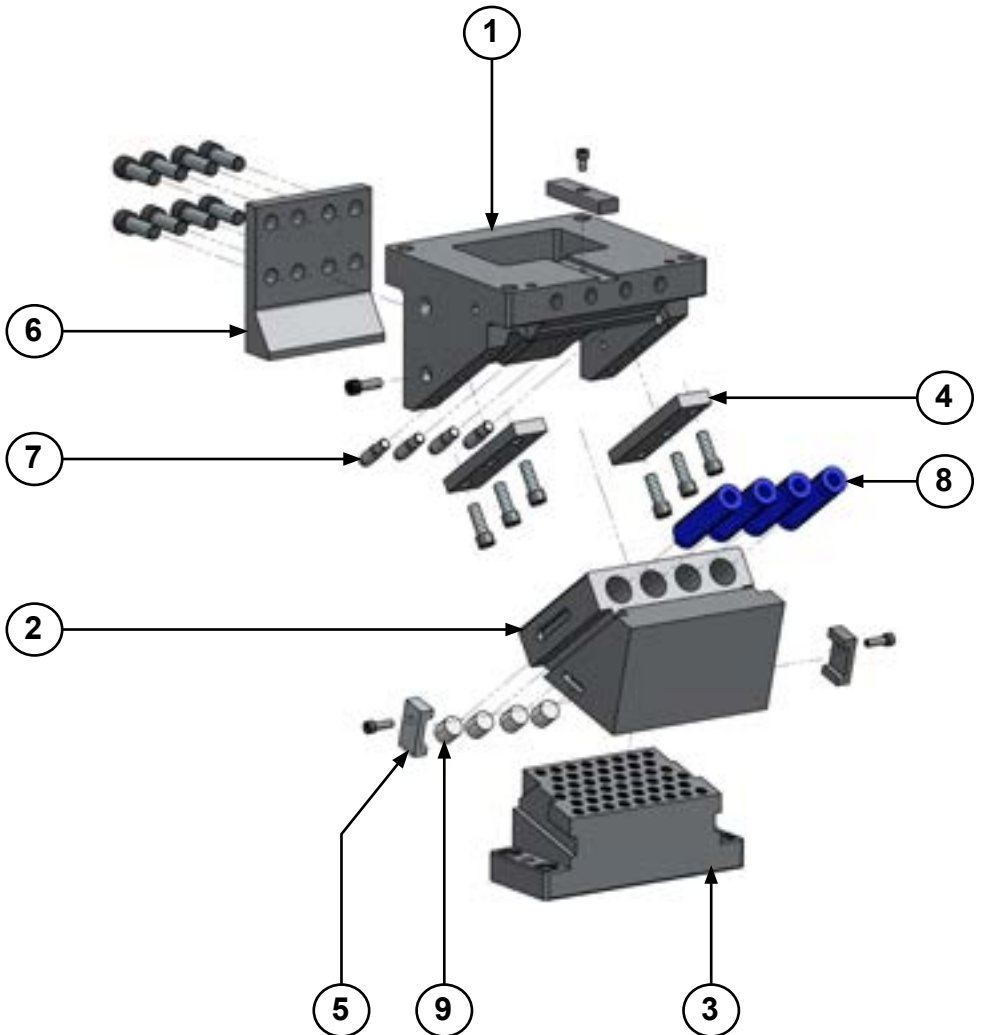
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-100
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

Aerial cam for pierce and flange

AUKE 0200

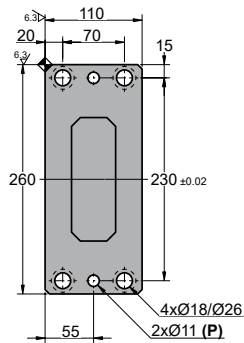
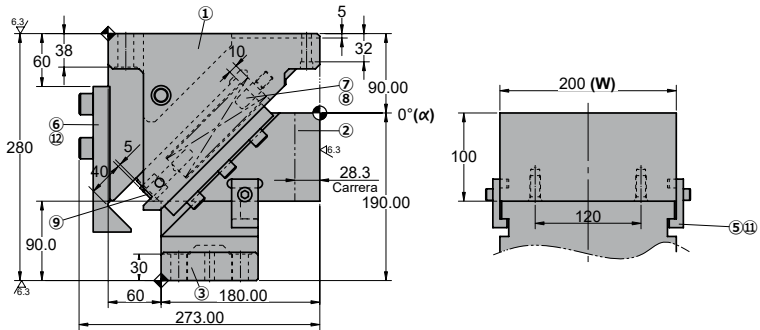
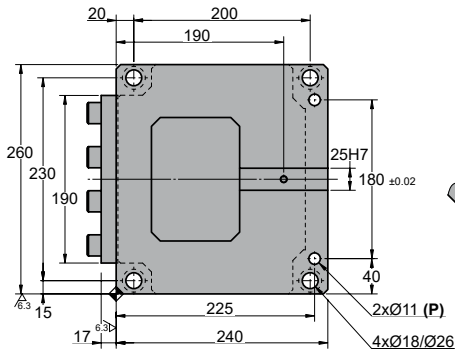
Aerial cam for pierce and flange



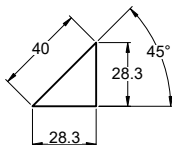
AUKE 0200

Aerial cam for pierce and flange

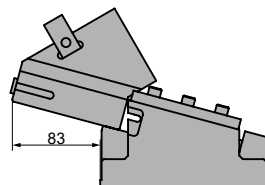
AUKE 0200 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
28.3	98.1 (10.0)	196.2 (20.0)	626.0 (63.8)	5639.4 (575.1)	81.5	AUKE	0200	00

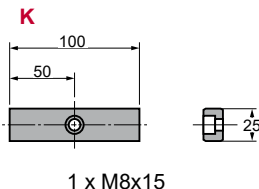

Order: Model (W) (α)
AUKE 0200 00

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**
PD16 - Ø16 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0200 00-K
AUKE 0200 00-P16
AUKE 0200 00-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

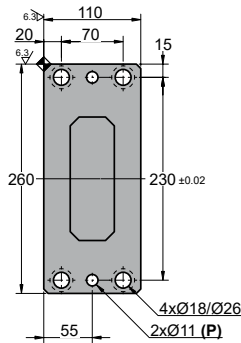
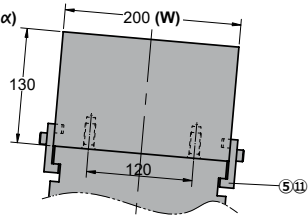
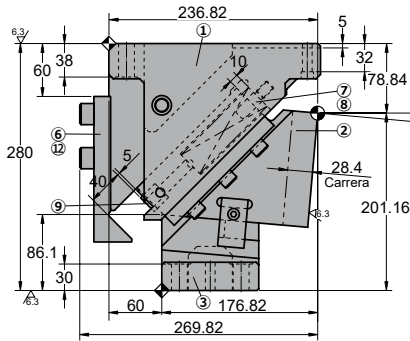
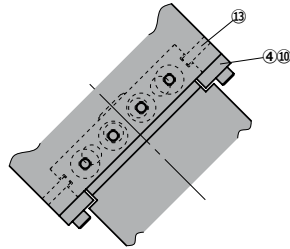
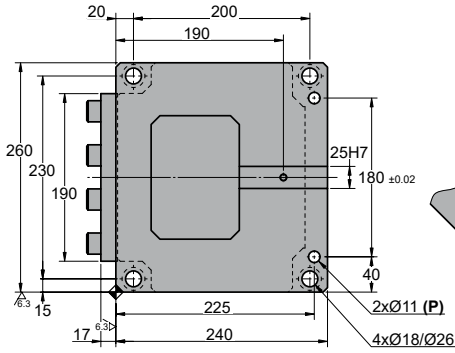
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

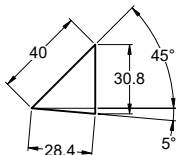
Aerial cam for pierce and flange



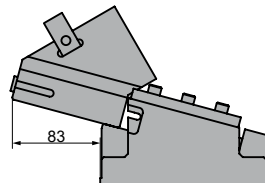
AUKE 0200 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
28.4	98.1 (10.0)	196.2 (20.0)	292.8 (29.8)	6140.4 (621.1)	82.3	AUKE	0200	05

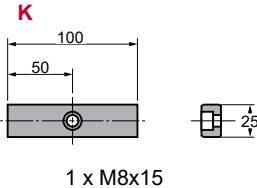

Order: Model (W) (α)
AUKE 0200 05

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**
PD16 - Ø16 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0200 05-K
AUKE 0200 05-P16
AUKE 0200 05-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

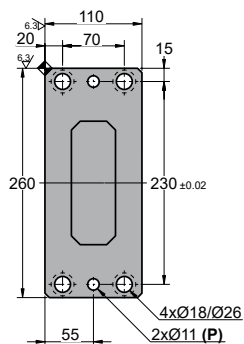
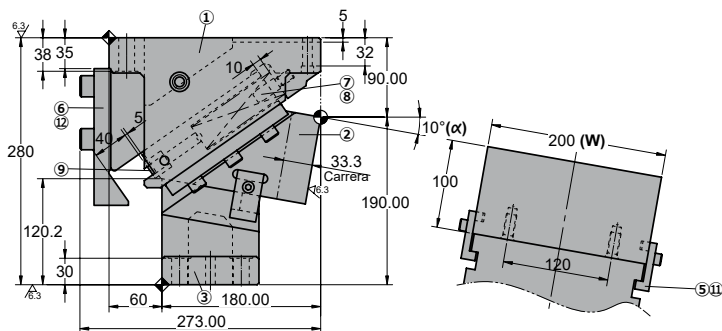
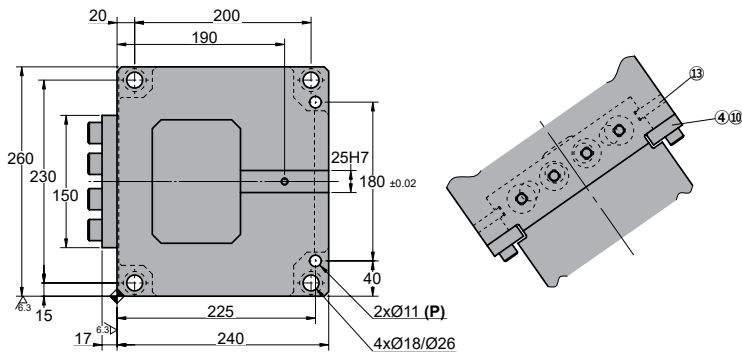
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

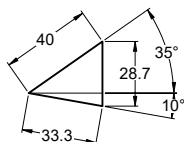
Aerial cam for pierce and flange

**AZOL
GAS** 

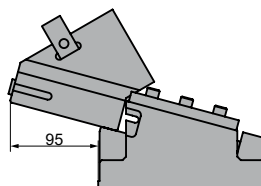
AUKE 0200 10



◦Cam diagram:



◦Desassembling space:

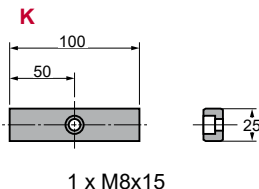


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.3	98.1 (10.0)	196.2 (20.0)	292.8 (29.8)	6140.4 (621.1)	75.7	AUKE	0200	10


Order: Model (W) (α)
AUKE 0200 10

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.
PH16 - Ø16 H7. only cam holder
PD16 - Ø16 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0200 10-K
AUKE 0200 10-P16
AUKE 0200 10-P16-K

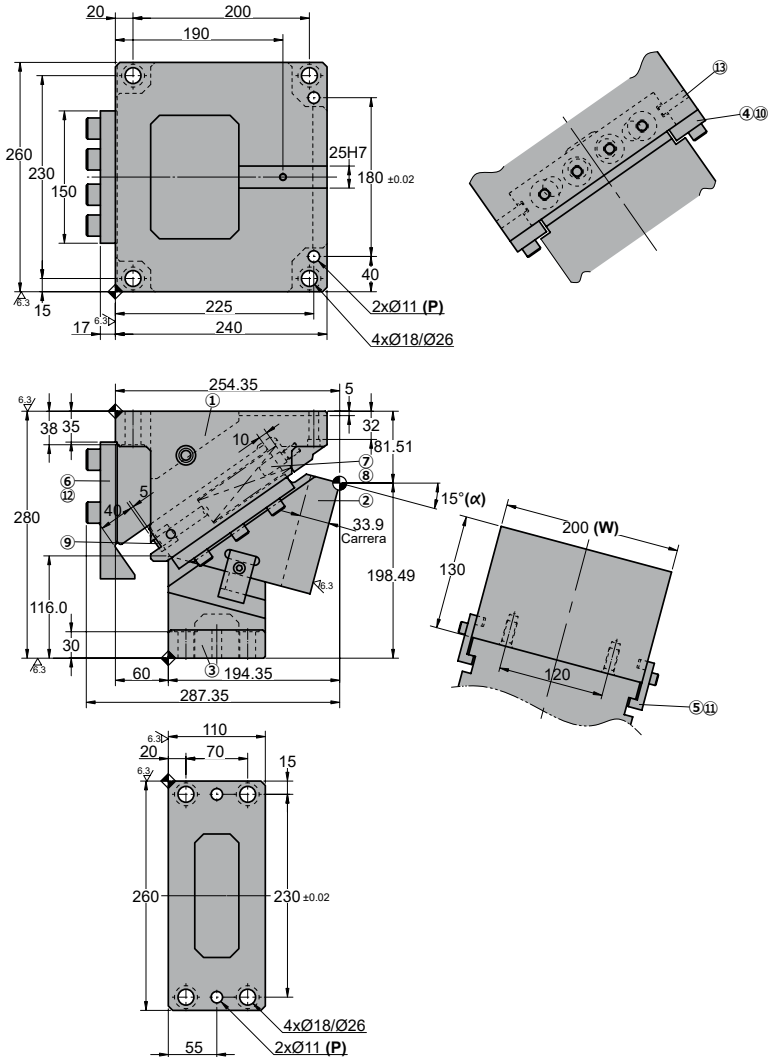
SPARE PARTS:
⑧ Coil Spring

COMPONENTS

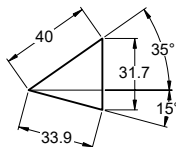
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

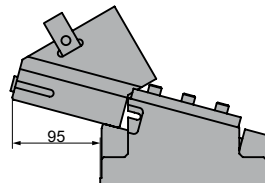
Aerial cam for pierce and flange

AUKE 0200 15

◦Cam diagram:



◦Desassembling space:

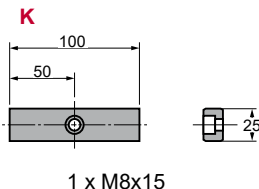


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.9	98.1 (10.0)	196.2 (20.0)	292.8 (29.8)	6140.4 (621.1)	80.5	AUKE	0200	15


Order: Model (W) (α)
AUKE 0200 15

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.
PH16 - Ø16 H7. only cam holder
PD16 - Ø16 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0200 15-K
AUKE 0200 15-P16
AUKE 0200 15-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

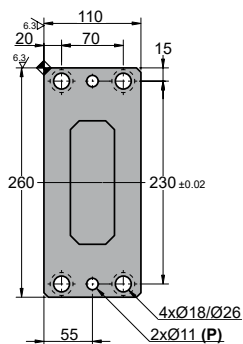
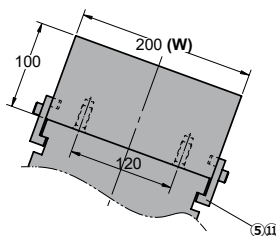
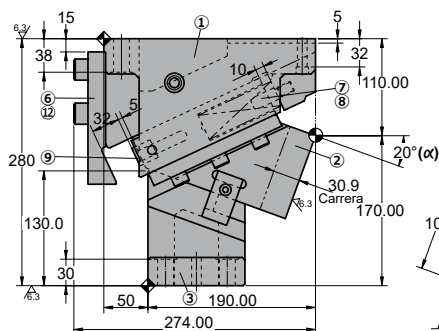
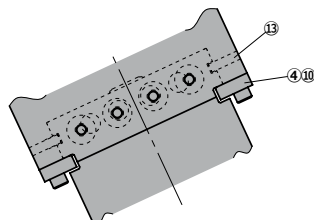
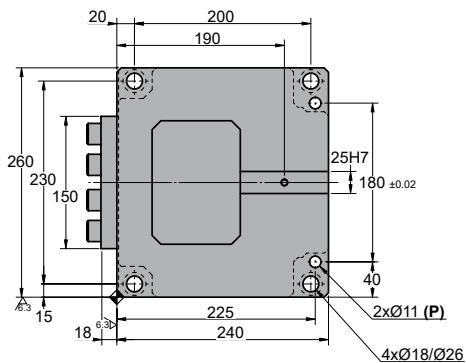
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

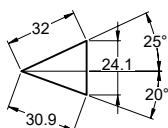
Aerial cam for pierce and flange

**AZOL
GAS** 

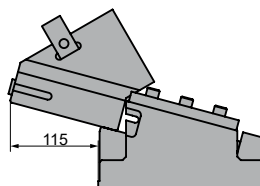
AUKE 0200 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.9	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5965.0 (608.3)	76.1	AUKE	0200	20

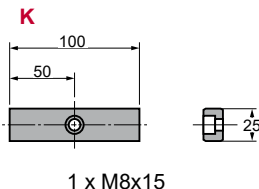

Order: Model (W) (α)
AUKE 0200 20

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**
PD16 - Ø16 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0200 20-K
AUKE 0200 20-P16
AUKE 0200 20-P16-K

SPARE PARTS:
⑧ Coil Spring

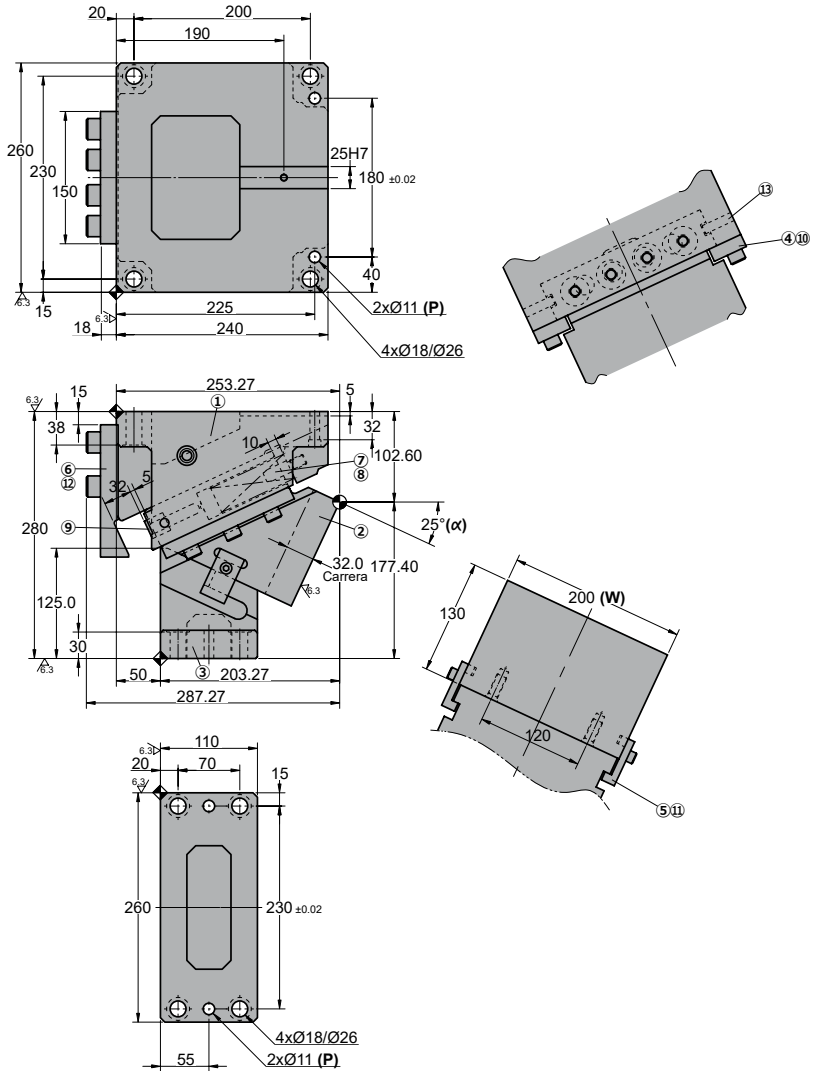
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

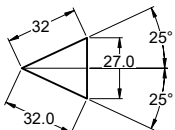
AUKE 0200

Aerial cam for pierce and flange

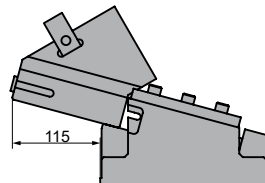
AUKE 0200 25



◦Cam diagram:



◦Desassembling space:

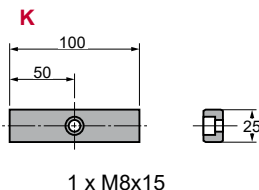


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.0	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5965.0 (608.3)	80.1	AUKE	0200	25


Order: Model (W) (α)
AUKE 0200 25

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.
PH16 - Ø16 H7. only cam holder
PD16 - Ø16 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0200 25-K
AUKE 0200 25-P16
AUKE 0200 25-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

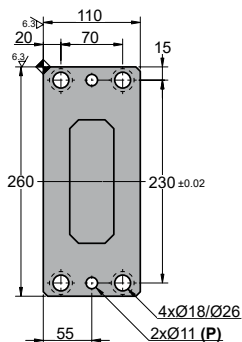
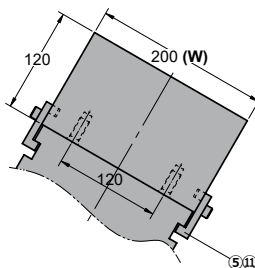
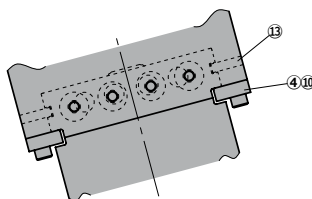
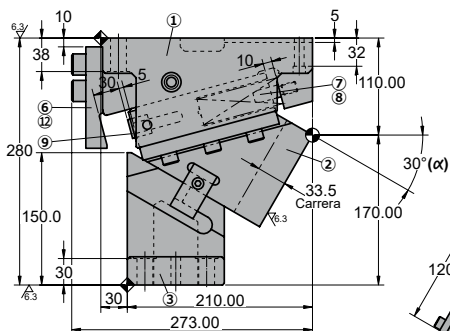
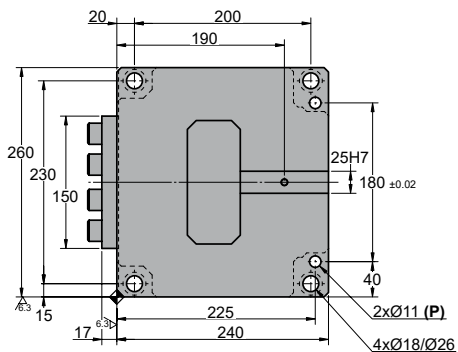
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

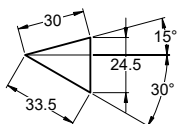
Aerial cam for pierce and flange



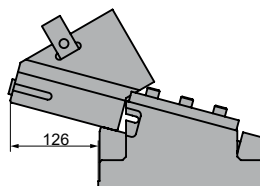
AUKE 0200 30



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.5	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5614.1 (572.5)	77.0	AUKE	0200	30



Order: Model (W) (α)

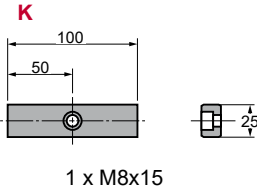
AUKE 0200 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option



AUKE 0200 30-K

AUKE 0200 30-P16

AUKE 0200 30-P16-K



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

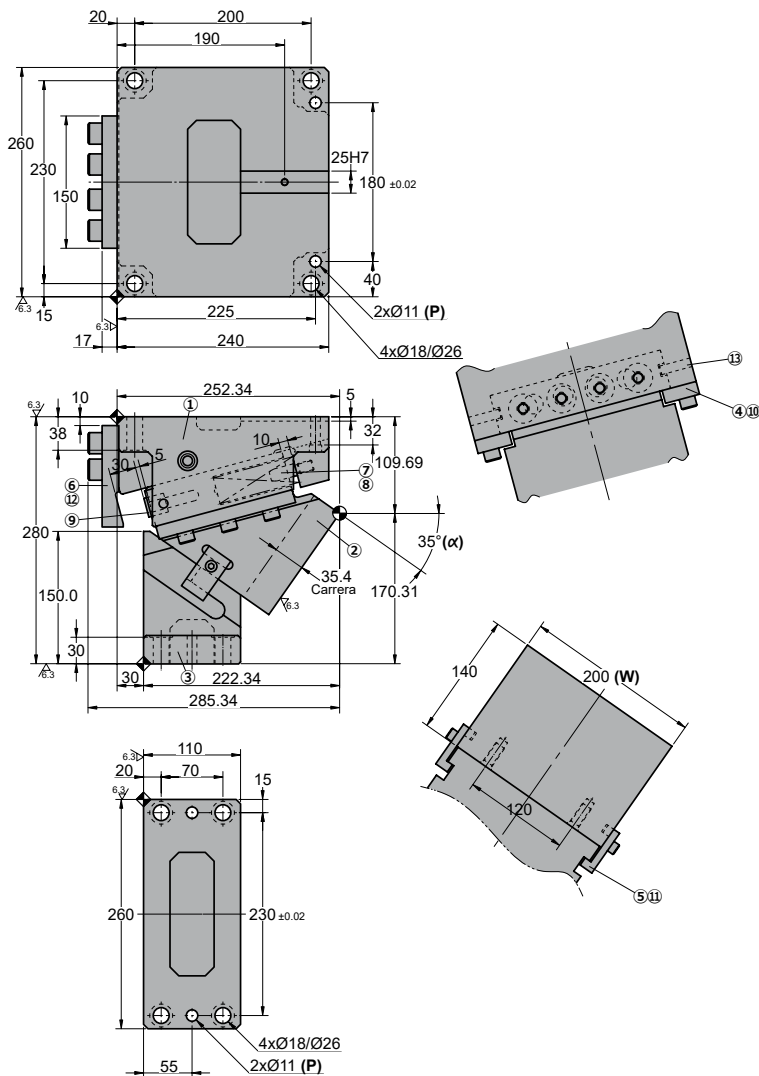
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

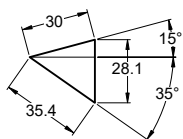
Aerial cam for pierce and flange

**AZOL
GAS**

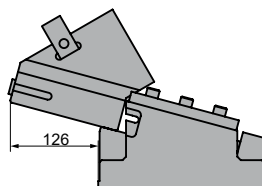
AUKE 0200 35



◦Cam diagram:



◦Desassembling space:

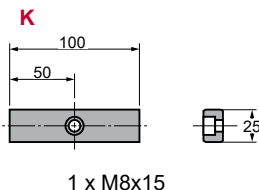


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.4	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5614.1 (572.5)	80.9	AUKE	0200	35


Order: Model (W) (α)
AUKE 0200 35

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.
PH16 - Ø16 H7. only cam holder
PD16 - Ø16 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0200 35-K
AUKE 0200 35-P16
AUKE 0200 35-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

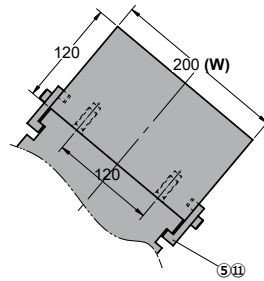
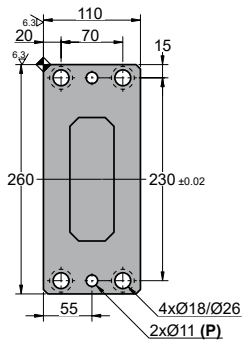
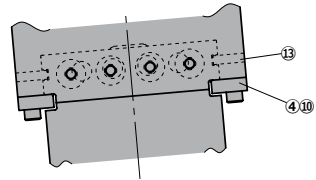
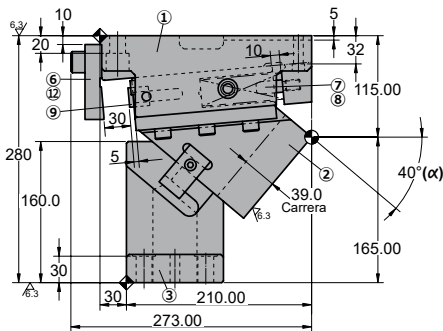
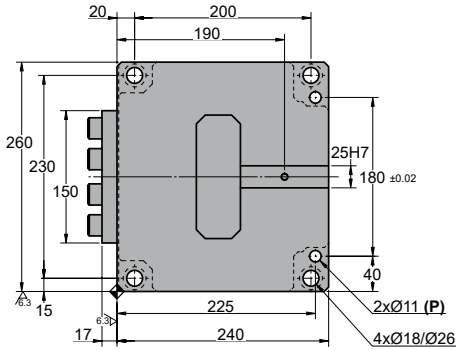
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

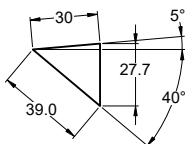
Aerial cam for pierce and flange

**AZOL
GAS** 

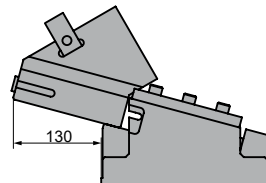
AUKE 0200 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.0	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5614.1 (572.5)	71.4	AUKE	0200	40

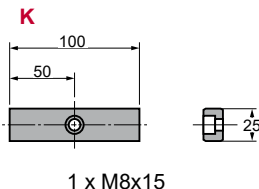

Order: Model (W) (α)
AUKE 0200 40

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.
PH16 - Ø16 H7. only cam holder
PD16 - Ø16 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0200 40-K
AUKE 0200 40-P16
AUKE 0200 40-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

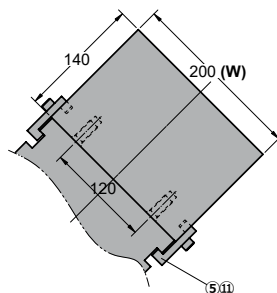
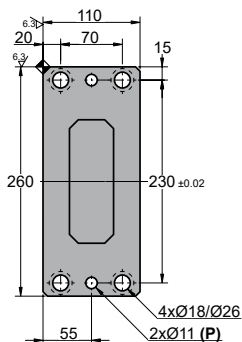
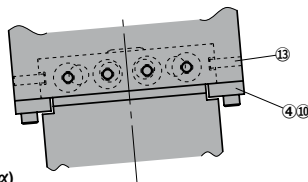
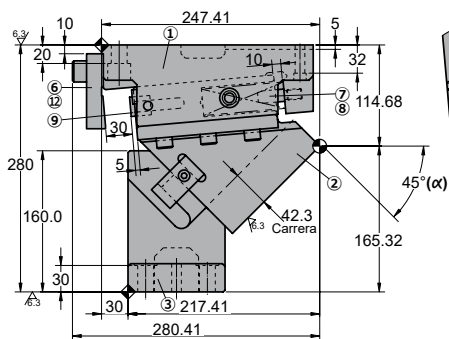
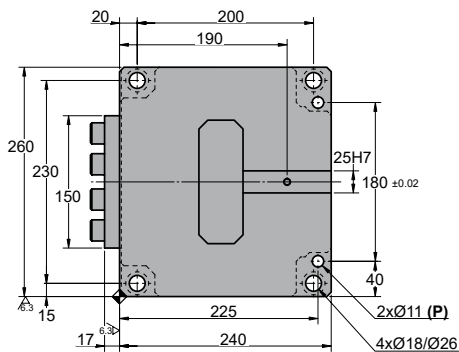
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

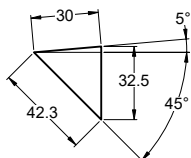
Aerial cam for pierce and flange

**AZOL
GAS**

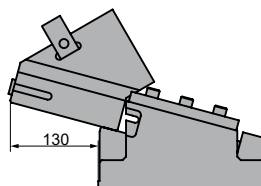
AUKE 0200 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.3	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5614.1 (572.5)	74.7	AUKE	0200	45

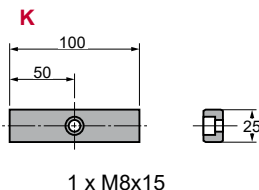

Order: Model (W) (α)
AUKE 0200 45

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**
PD16 - Ø16 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0200 45-K
AUKE 0200 45-P16
AUKE 0200 45-P16-K

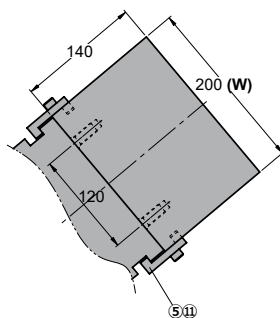
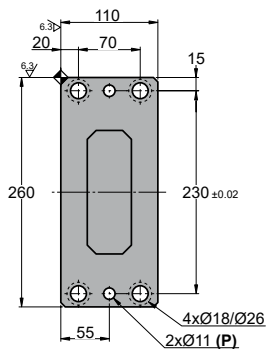
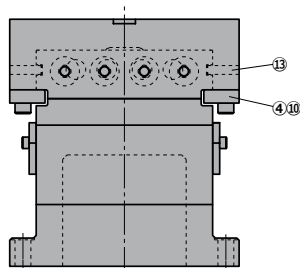
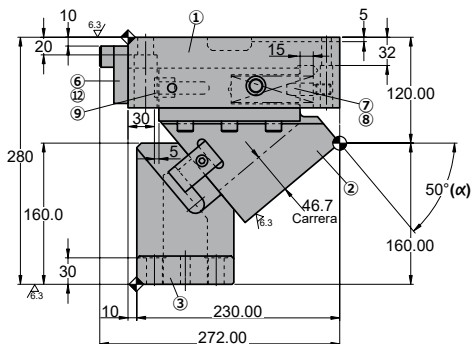
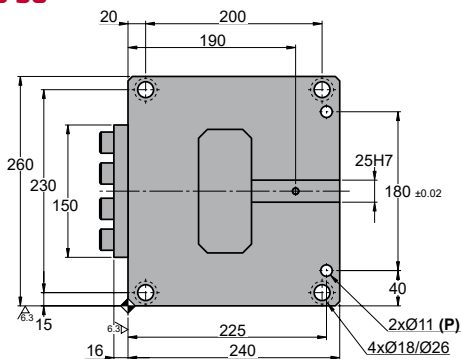
SPARE PARTS:
⑧ Coil Spring

COMPONENTS

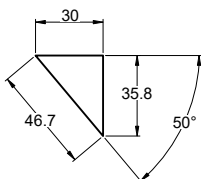
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

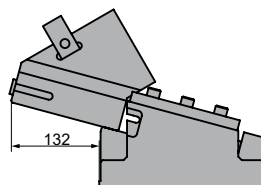
Aerial cam for pierce and flange

AUKE 0200 50

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	117.7 (12.0)	235.4 (24.0)	350.4 (35.8)	5614.1 (572.5)	71.6	AUKE	0200	50



Order: Model (W) (α)

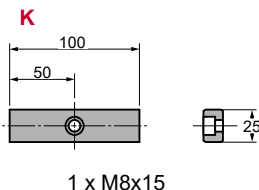
AUKE 0200 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option



AUKE 0200 50-K

AUKE 0200 50-P16

AUKE 0200 50-P16-K



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

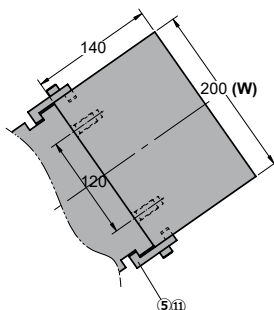
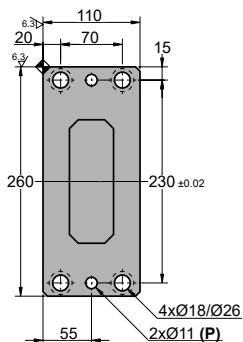
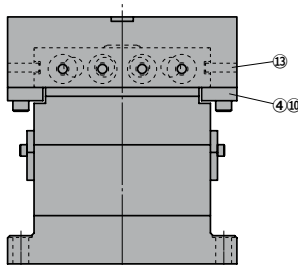
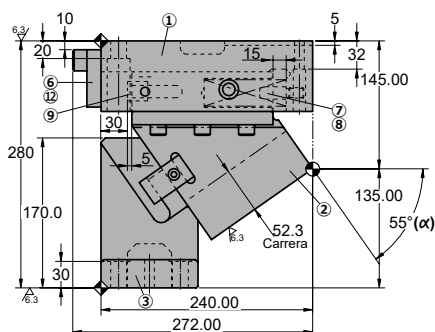
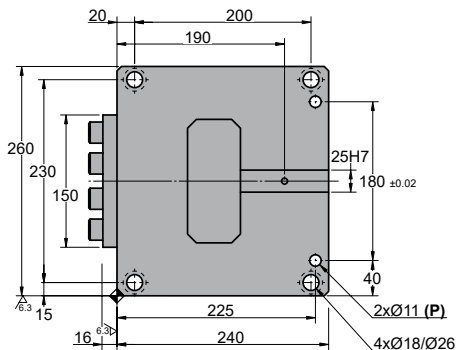
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

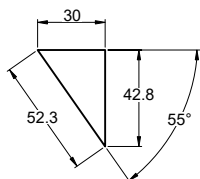
Aerial cam for pierce and flange

**AZOL
GAS**

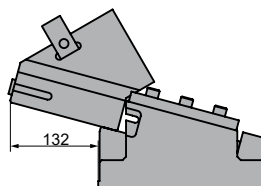
AUKE 0200 55



◦Cam diagram:



◦Desassembling space:

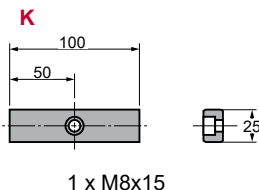


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
52.3	117.7 (12.0)	235.4 (24.0)	350.4 (35.8)	5614.1 (572.5)	78.6	AUKE	0200	55


Order: Model (W) (α)
AUKE 0200 55

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.
PH16 - Ø16 H7. only cam holder
PD16 - Ø16 H7. only cam driver
Order Options: Model (W) (α)-Option

AUKE 0200 55-K
AUKE 0200 55-P16
AUKE 0200 55-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

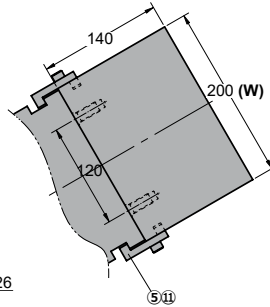
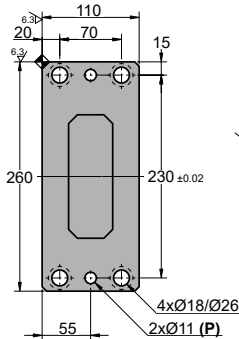
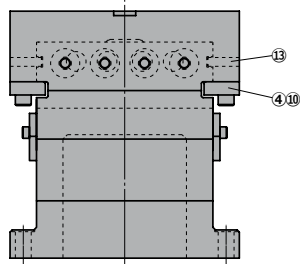
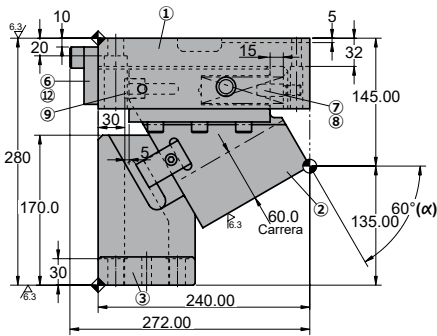
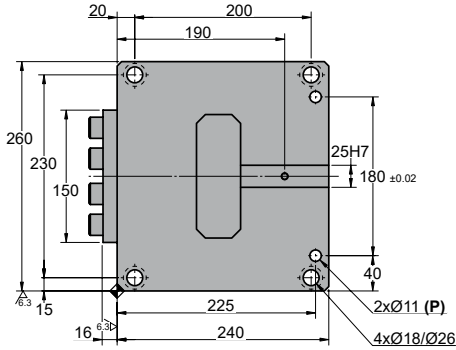
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

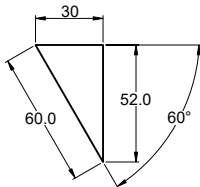
Aerial cam for pierce and flange



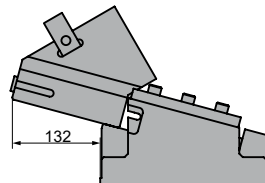
AUKE 0200 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	117.7 (12.0)	235.4 (24.0)	350.4 (35.8)	5614.1 (572.5)	73.9	AUKE	0200	60



Order: Model (W) (α)

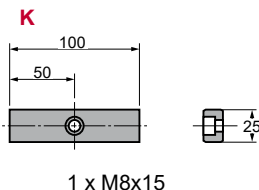
AUKE 0200 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option



AUKE 0200 60-K

AUKE 0200 60-P16

AUKE 0200 60-P16-K



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

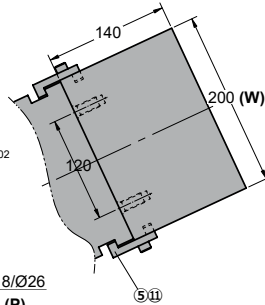
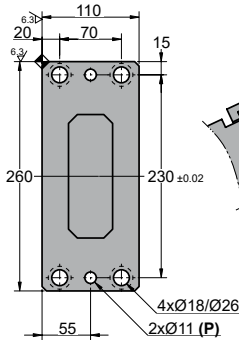
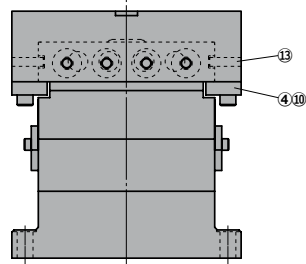
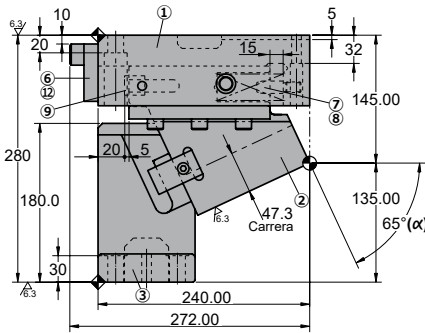
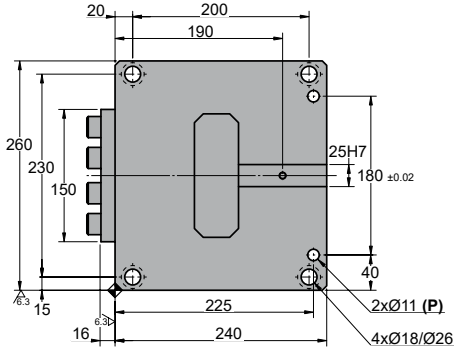
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

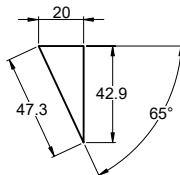
Aerial cam for pierce and flange



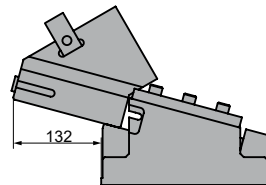
AUKE 0200 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.3	117.7 (12.0)	235.4 (24.0)	1096.0 (111.8)	5483.0 (559.1)	77.2	AUKE	0200	65

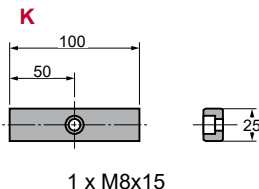

Order: Model (W) (α)
AUKE 0200 65

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

KEY



P PINS

Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**
PD16 - Ø16 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0200 65-K
AUKE 0200 65-P16
AUKE 0200 65-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

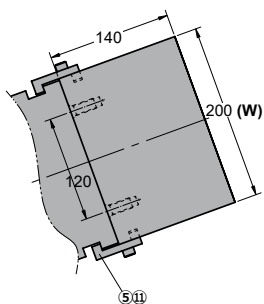
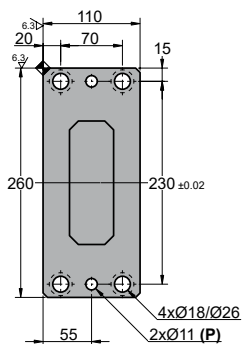
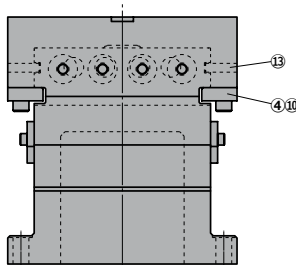
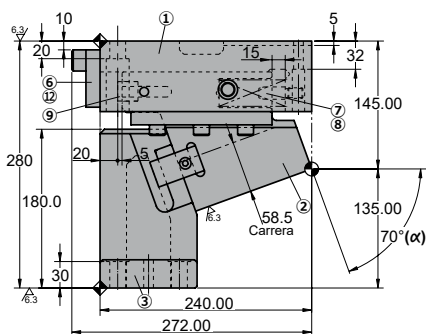
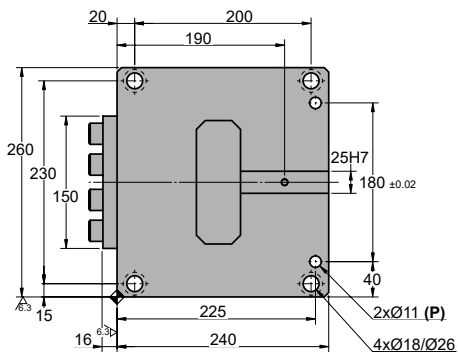
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-100
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

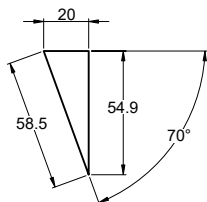
Aerial cam for pierce and flange

**AZOL
GAS**

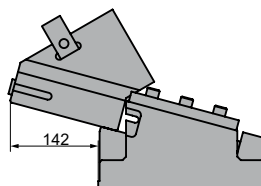
AUKE 0200 70



Cam diagram:



Desassembling space:

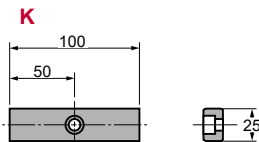


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
58.5	117.7 (12.0)	235.4 (24.0)	1096.0 (111.8)	5483.0 (559.1)	72.2	AUKE	0200	70


Order: Model (W) (α)
AUKE 0200 70

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY


1 x M8x15

P PINS
Diámetros opcionales
Ø12H7 - Ø13H7 - Ø16H7

P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**
PD16 - Ø16 H7. **only cam driver**
Order Options: Model (W) (α)-Option

AUKE 0200 70-K
AUKE 0200 70-P16
AUKE 0200 70-P16-K

SPARE PARTS:

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-100
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200



Aerial cam for pierce and flange

General information



ABKL 0065



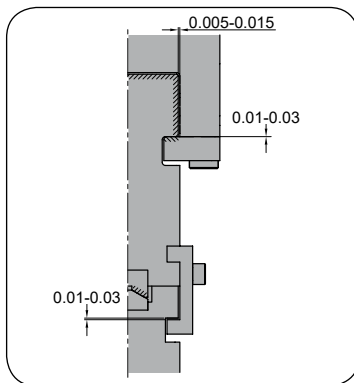
ABKL 0100



ABKL 0200

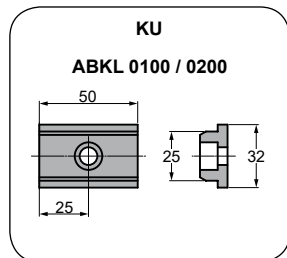
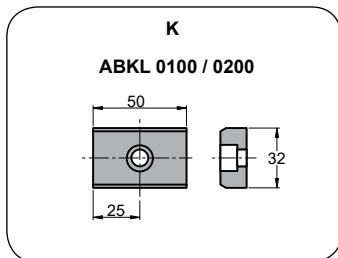
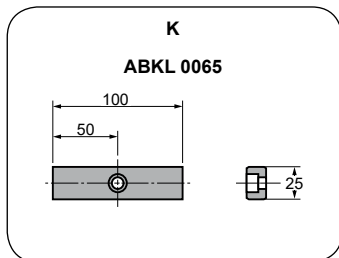
- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Slider easy desassembly from the rear.

Adjustment clearances



ABKL 0065
ABKL 0100
ABKL 0200

Keys



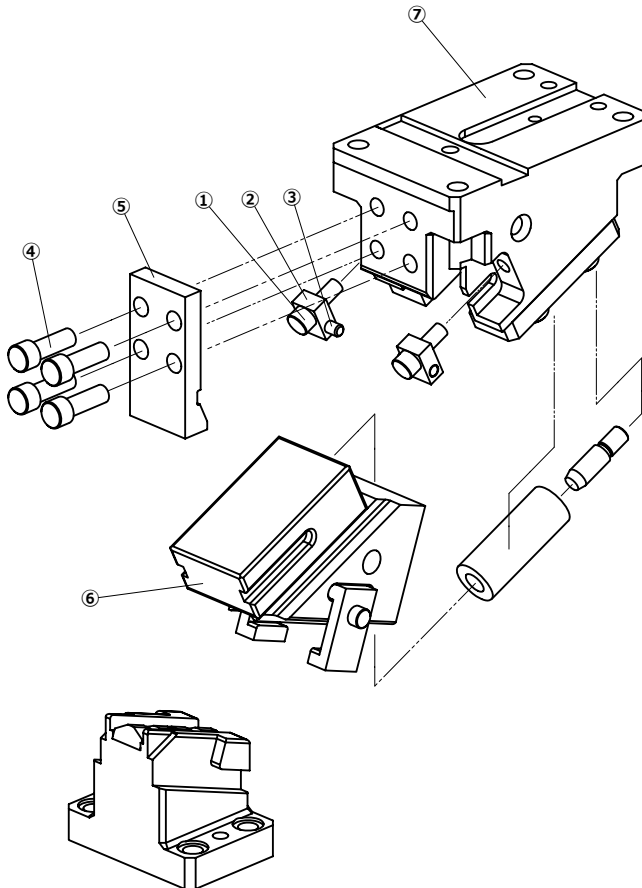
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove stopper plates ② and the pin ③.
- Unscrew ④ and remove plate ⑤.
- Push cam slider ⑥ and remove cam support ⑦.

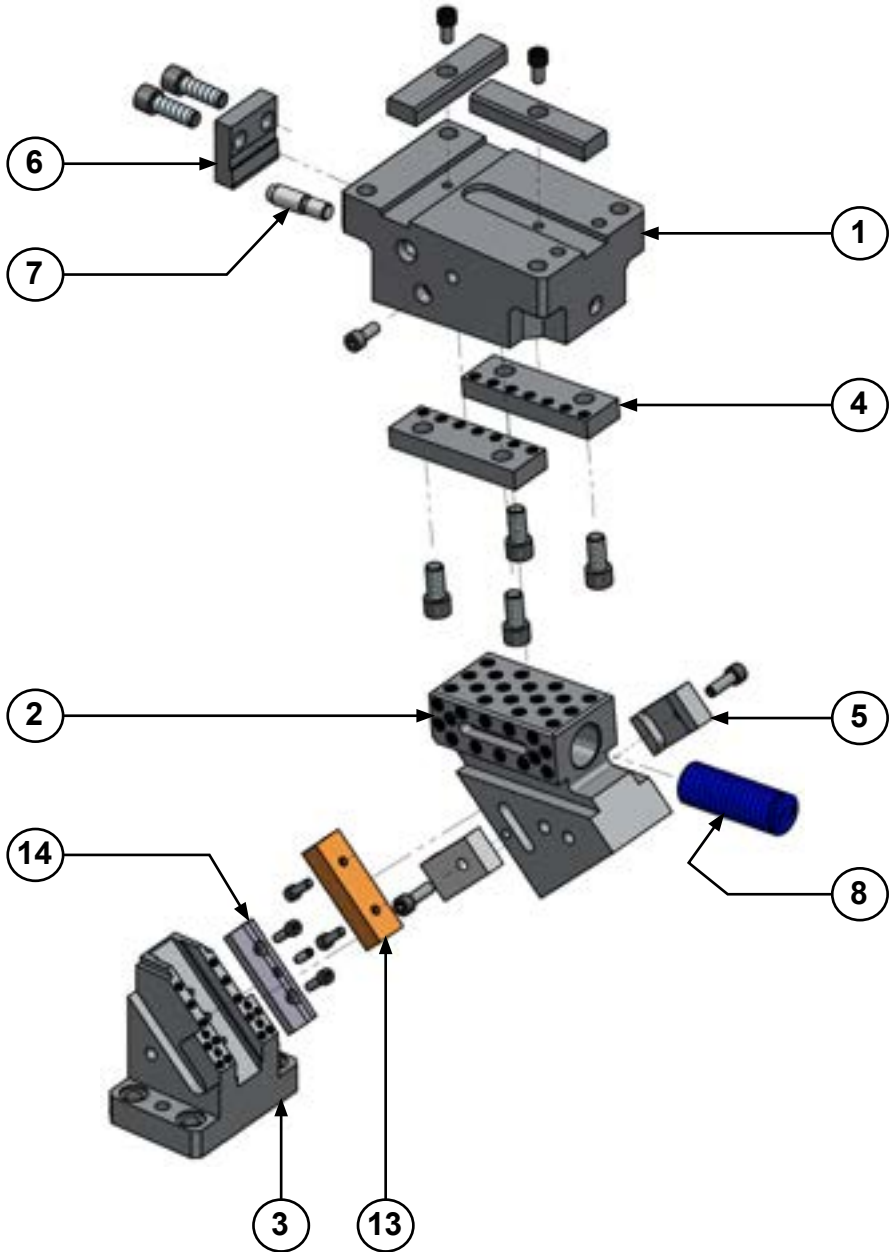
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ABKL 0065

Aerial cam for pierce and flange

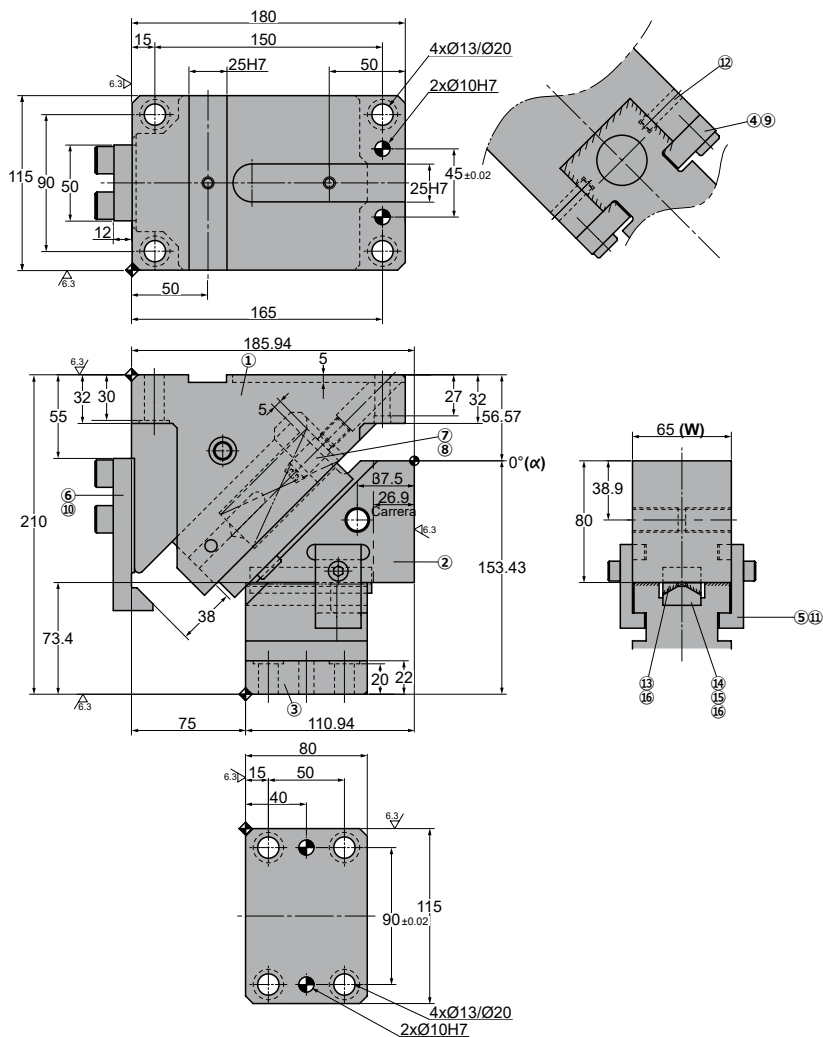


ABKL 0065

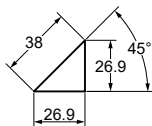
Aerial cam for pierce and flange

**AZOL
GAS** 

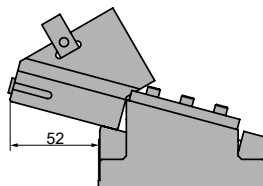
ABKL 0065 00



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
26.9	19.6 (2.0)	39.2 (4.0)	165.9 (16.9)	1069.2 (109.0)	ABKL	0065	00



Order: Model (W) (α)

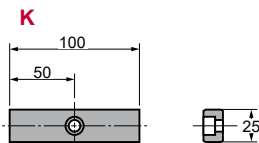
ABKL 0065 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 00-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

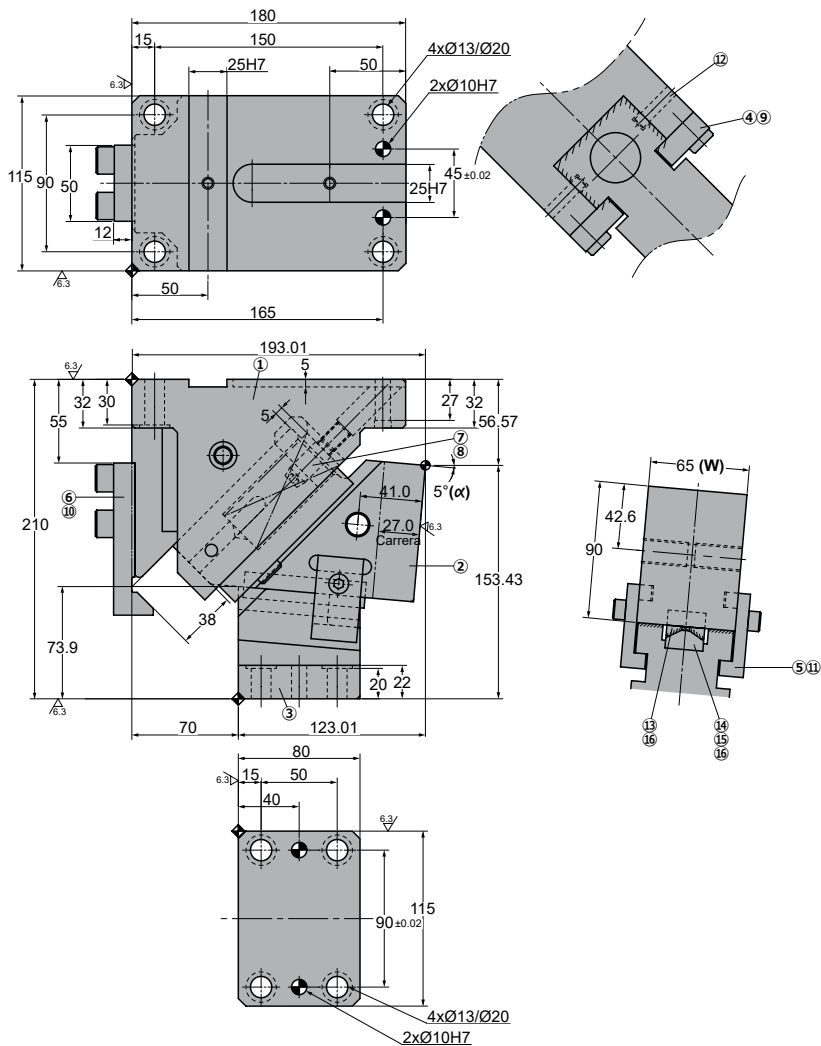
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

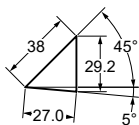
Aerial cam for pierce and flange

**AZOL
GAS**

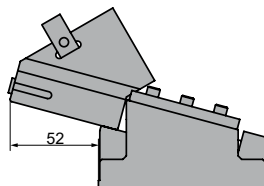
ABKL 0065 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
27.0	19.6 (2.0)	39.2 (4.0)	237.0 (24.2)	1140.5 (116.3)	ABKL	0065	05



Order: Model (W) (α)

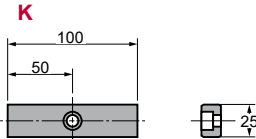
ABKL 0065 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 05-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

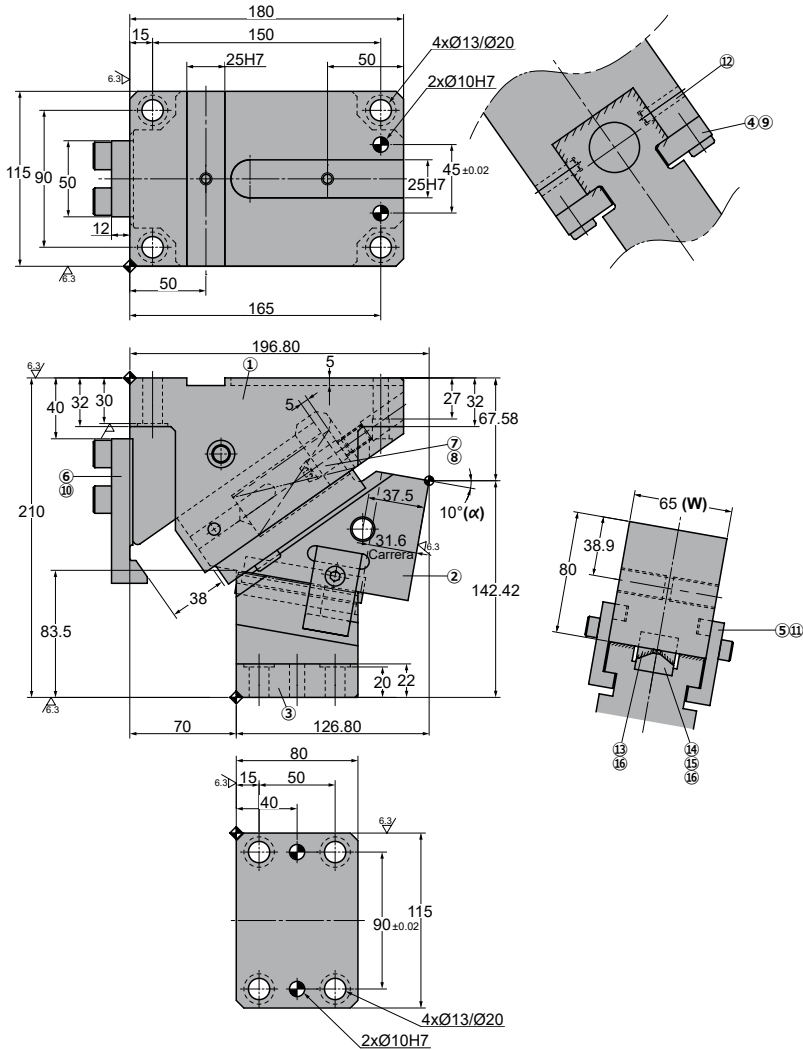
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

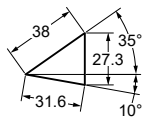
Aerial cam for pierce and flange

**AZOL
GAS** 

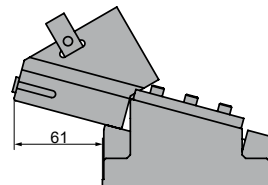
ABKL 0065 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
31.6	19.6 (2.0)	39.2 (4.0)	237.0 (24.2)	1140.5 (116.3)	ABKL	0065	10



Order: Model (W) (α)

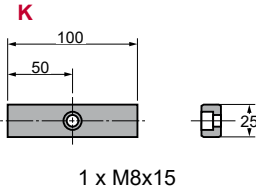
ABKL 0065 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



Order Options: Model (W) (α)-Option



ABKL 0065 10-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

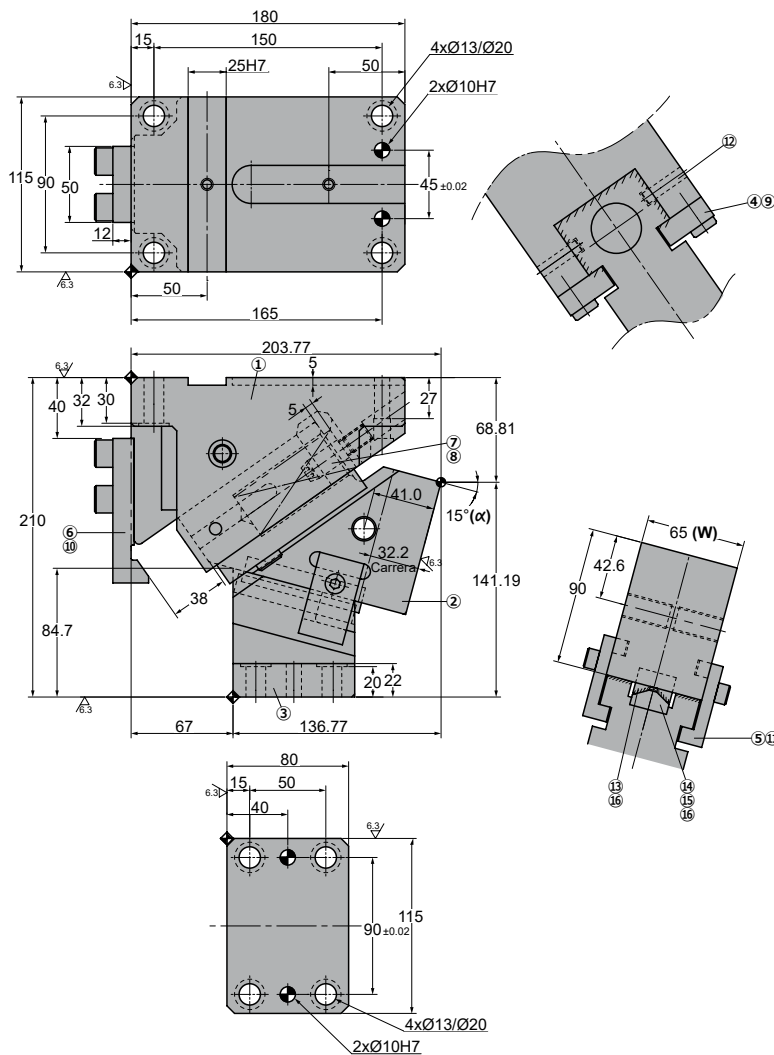
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

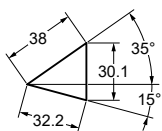
ABKL 0065

Aerial cam for pierce and flange

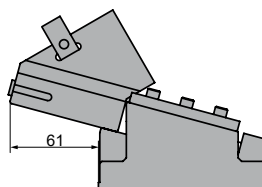
ABKL 0065 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
32.2	19.6 (2.0)	39.2 (4.0)	237.0 (24.2)	1140.5 (116.3)	ABKL	0065	15



Order: Model (W) (α)

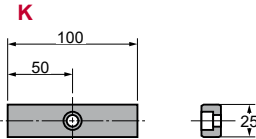
ABKL 0065 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 15-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

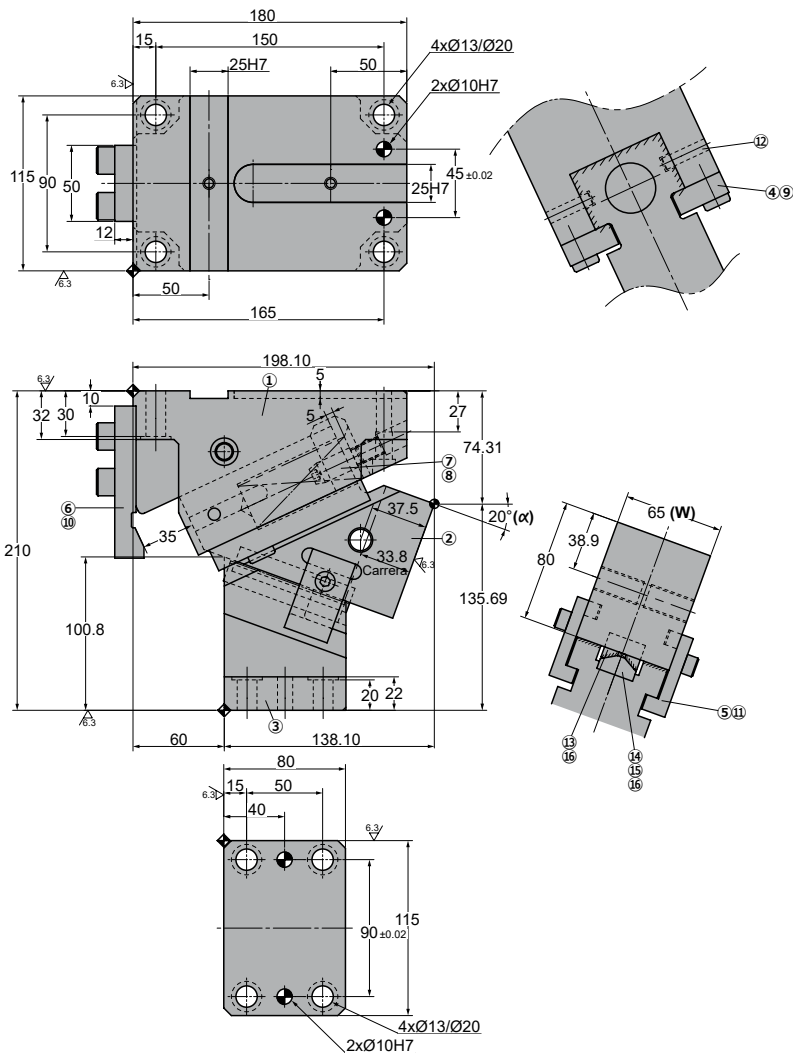
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

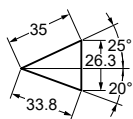
Aerial cam for pierce and flange

**AZOL
GAS**

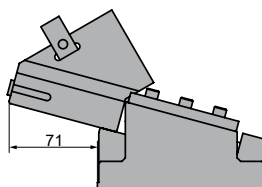
ABKL 0065 20



Cam diagram:



Desassembling space:

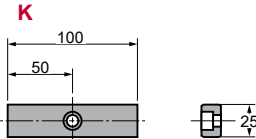


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
33.8	19.6 (2.0)	39.2 (4.0)	308.1 (31.4)	1140.5 (116.3)	ABKL	0065	20


Order: Model (W) (α)
ABKL 0065 20

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY


1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 20-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

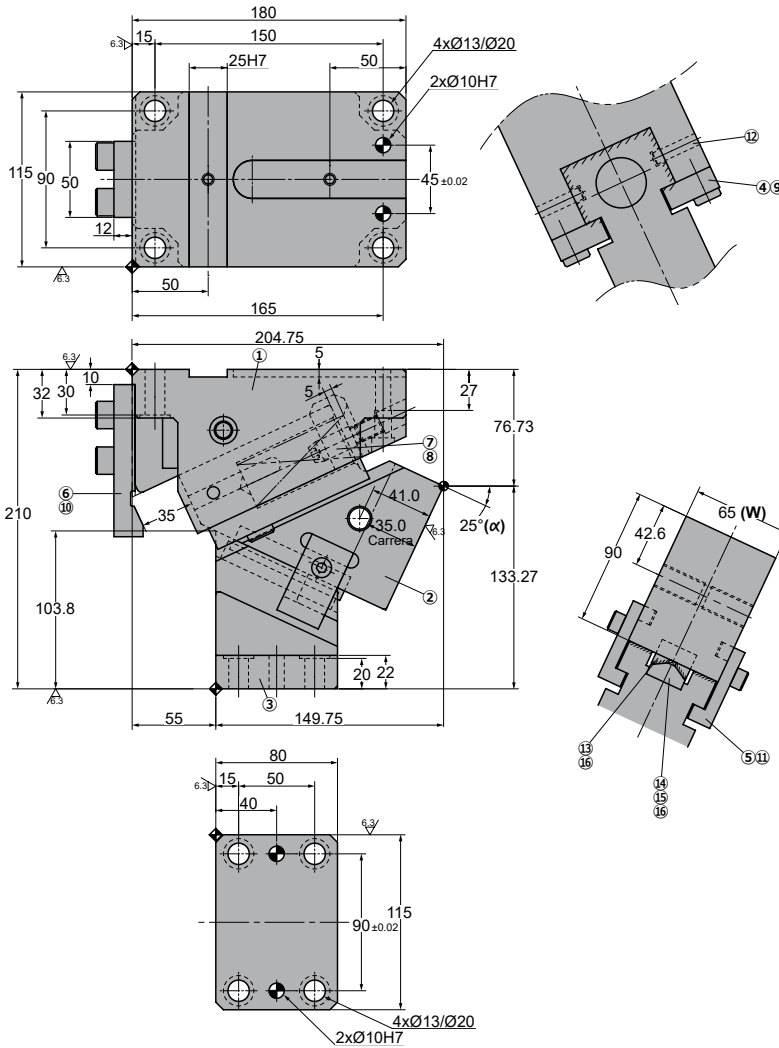
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

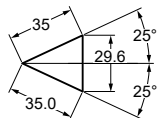
Aerial cam for pierce and flange

**AZOL
GAS** 

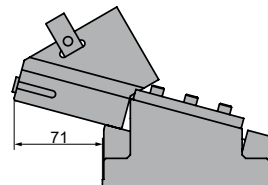
ABKL 0065 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
35.0	19.6 (2.0)	39.2 (4.0)	308.1 (31.4)	1140.5 (116.3)	ABKL	0065	25



Order: Model (W) (α)

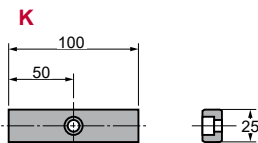
ABKL 0065 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 25-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

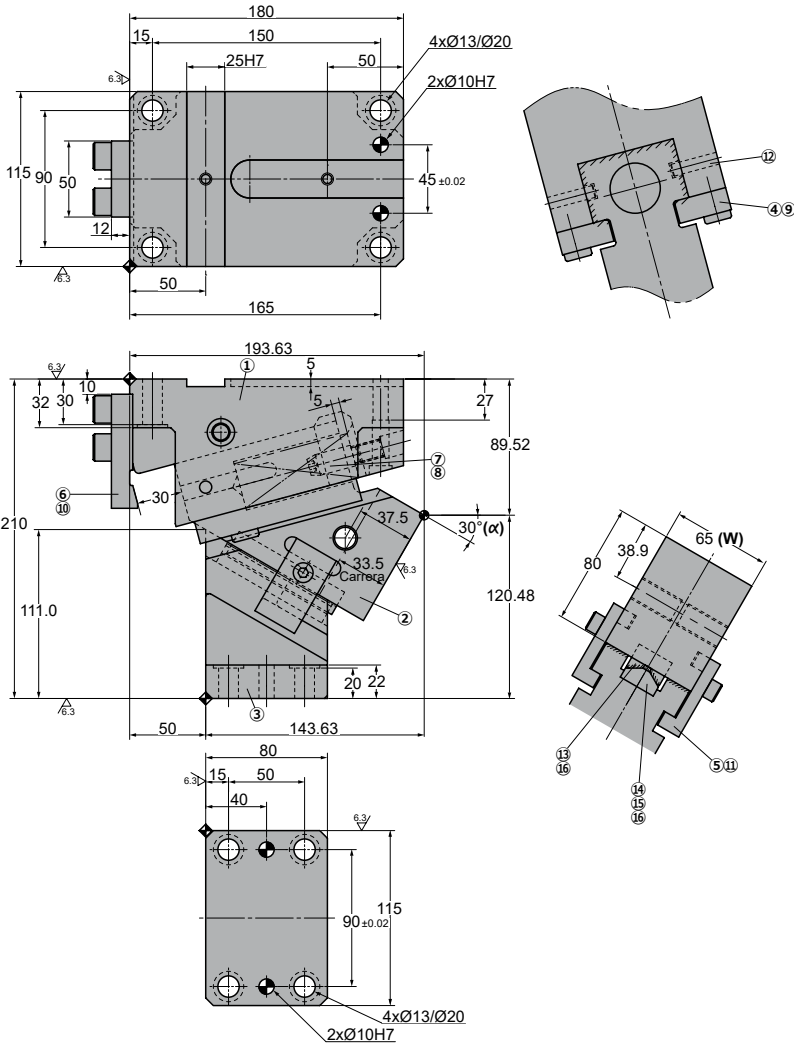
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

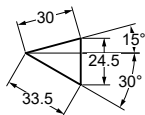
Aerial cam for pierce and flange



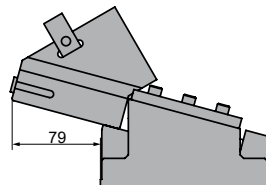
ABKL 0065 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
33.5	19.6 (2.0)	39.2 (4.0)	426.6 (43.5)	1140.5 (116.3)	ABKL	0065	30



Order: Model (W) (α)

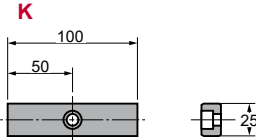
ABKL 0065 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 30-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

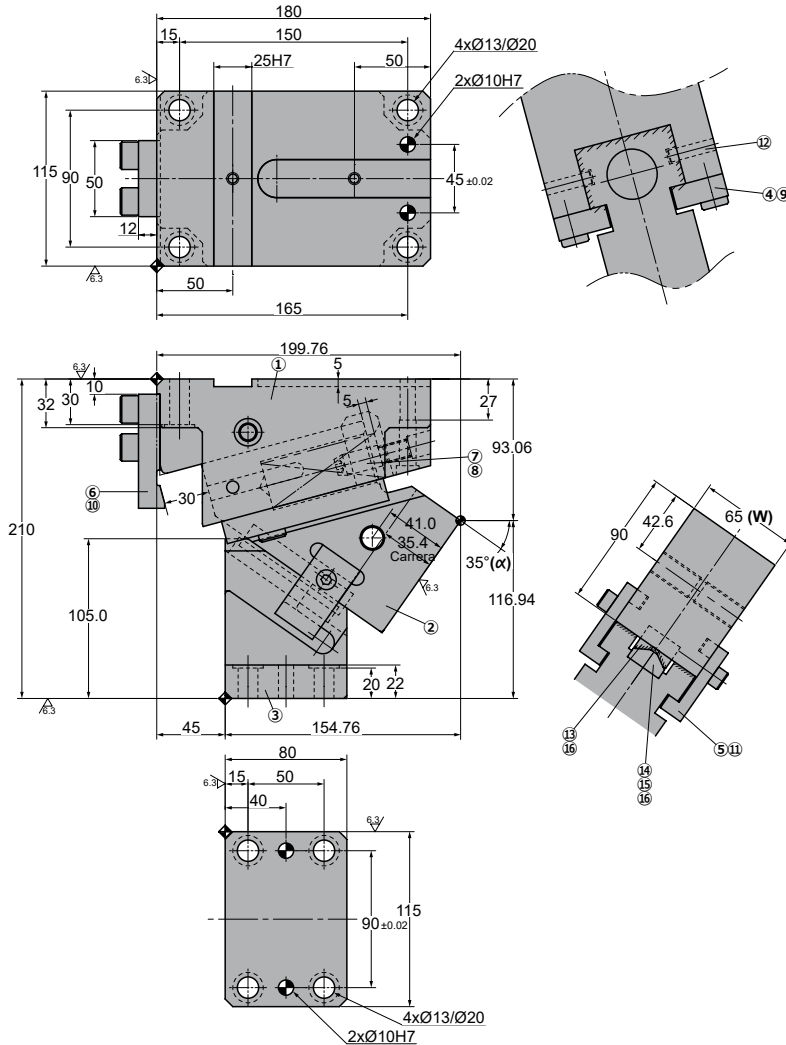
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

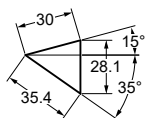
Aerial cam for pierce and flange



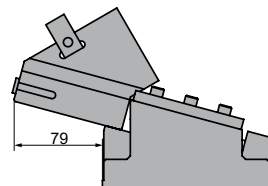
ABKL 0065 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
35.4	19.6 (2.0)	39.2 (4.0)	426.6 (43.5)	1140.5 (116.3)	ABKL	0065	35



Order: Model (W) (α)

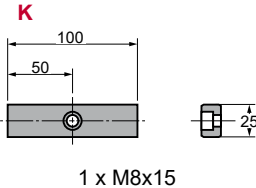
ABKL 0065 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



Order Options: Model (W) (α)-Option



ABKL 0065 35-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

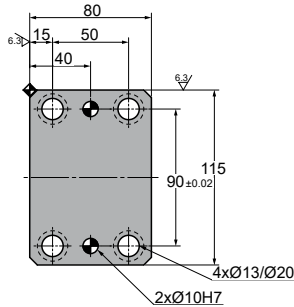
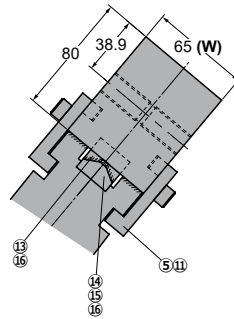
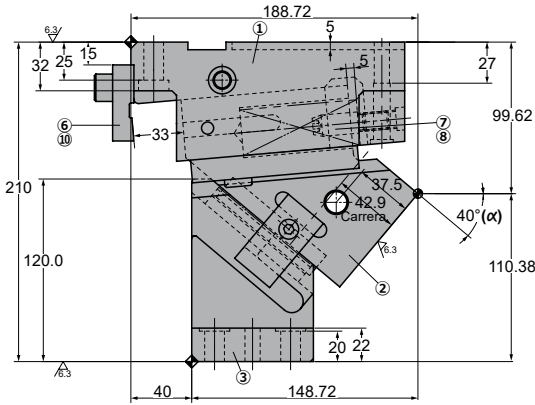
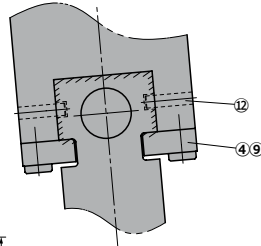
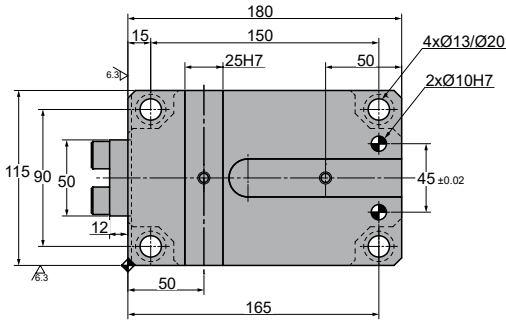
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

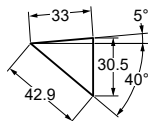
Aerial cam for pierce and flange



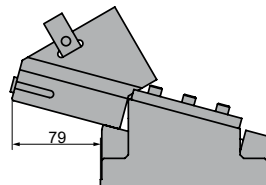
ABKL 0065 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
42.9	19.6 (2.0)	39.2 (4.0)	355.5 (36.5)	1140.5 (116.3)	ABKL	0065	40



Order: Model (W) (α)

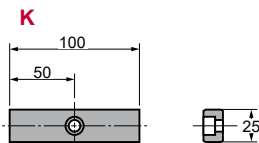
ABKL 0065 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 40-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

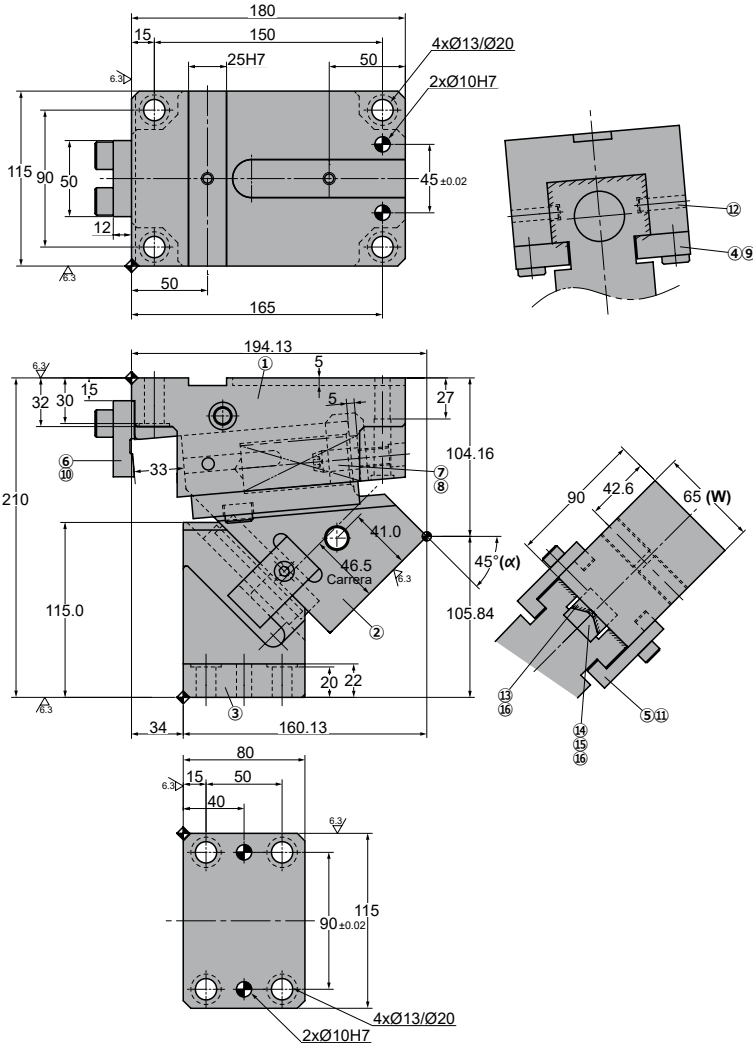
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

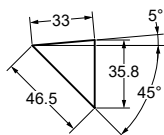
Aerial cam for pierce and flange

**AZOL
GAS**

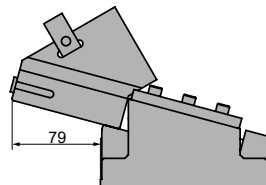
ABKL 0065 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
46.5	19.6 (2.0)	39.2 (4.0)	355.5 (36.5)	1140.5 (116.3)	ABKL	0065	45



Order: Model (W) (α)

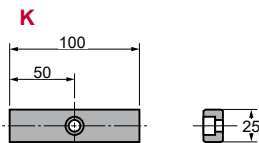
ABKL 0065 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 45-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

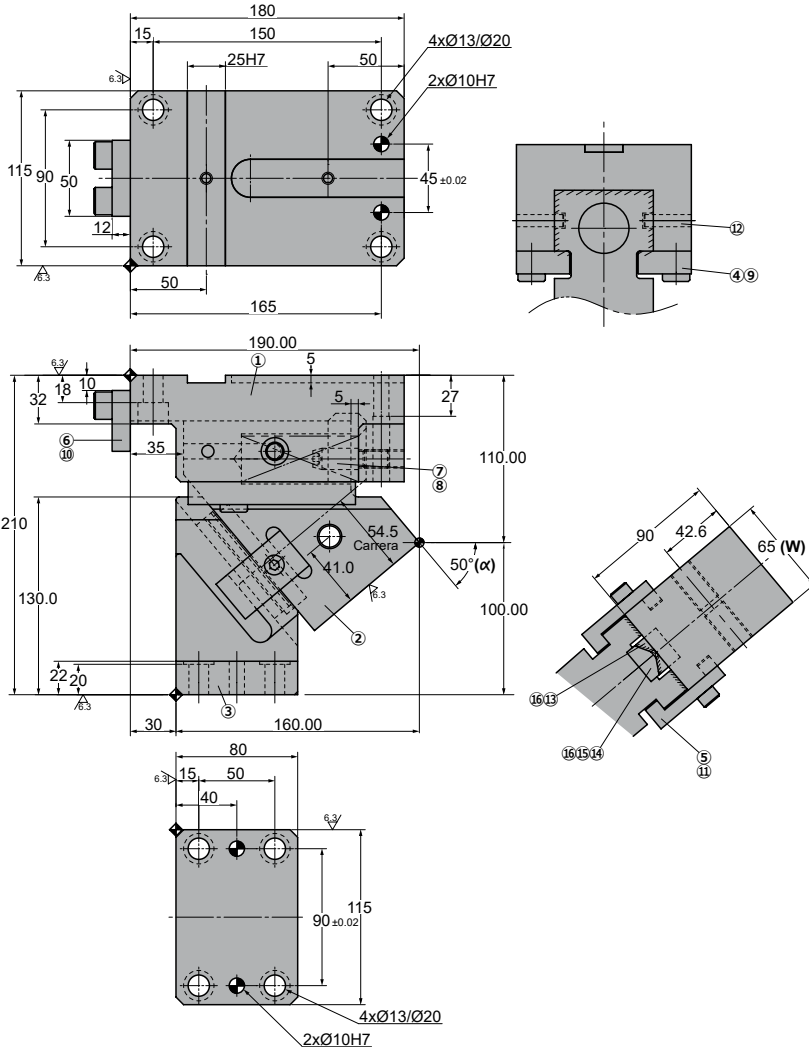
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

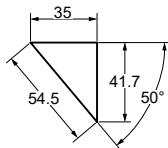
Aerial cam for pierce and flange



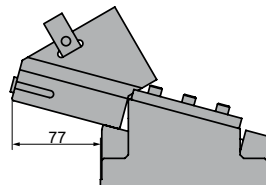
ABKL 0065 50



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
54.5	19.6 (2.0)	39.2 (4.0)	308.1 (31.4)	1140.5 (116.3)	ABKL	0065	50



Order: Model (W) (α)

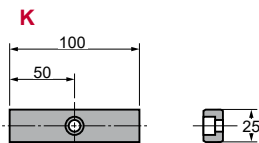
ABKL 0065 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 50-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

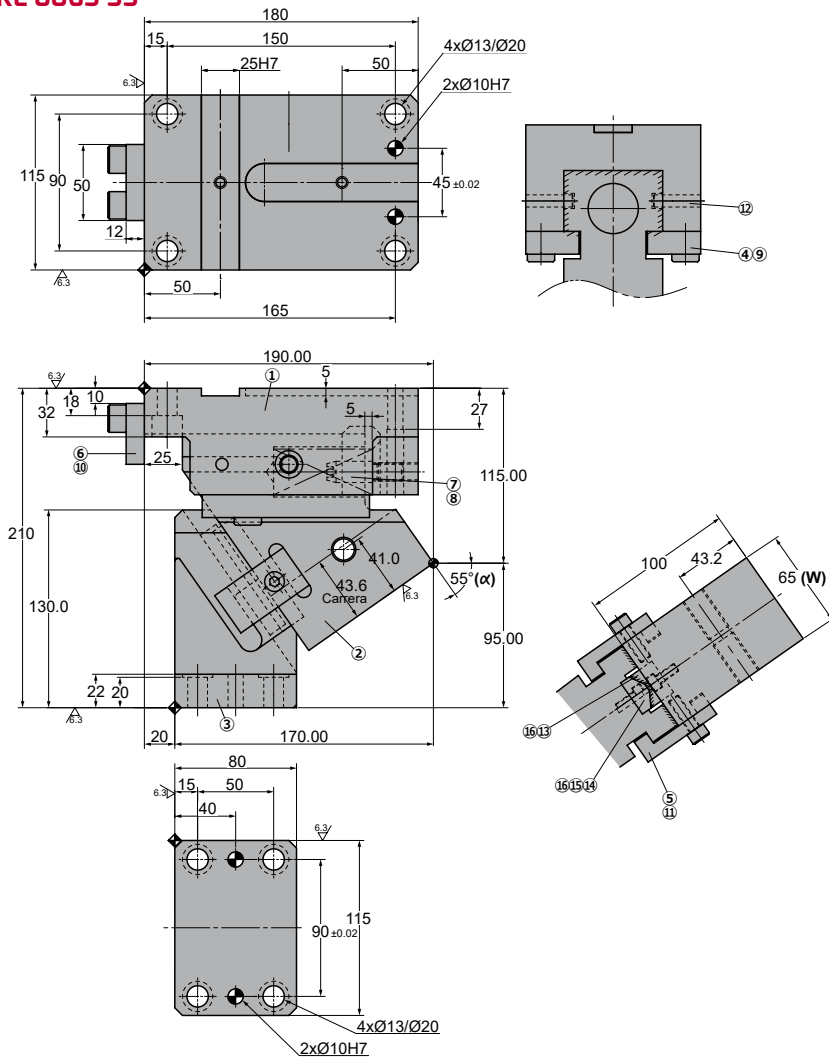
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

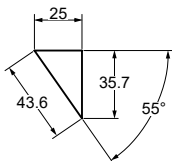
Aerial cam for pierce and flange



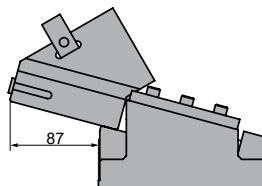
ABKL 0065 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
43.6	19.6 (2.0)	39.2 (4.0)	297.0 (30.3)	1039.2 (106.0)	ABKL	0065	55



Order: Model (W) (α)

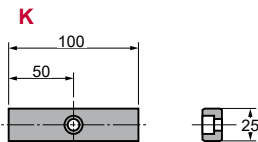
ABKL 0065 55

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 55-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

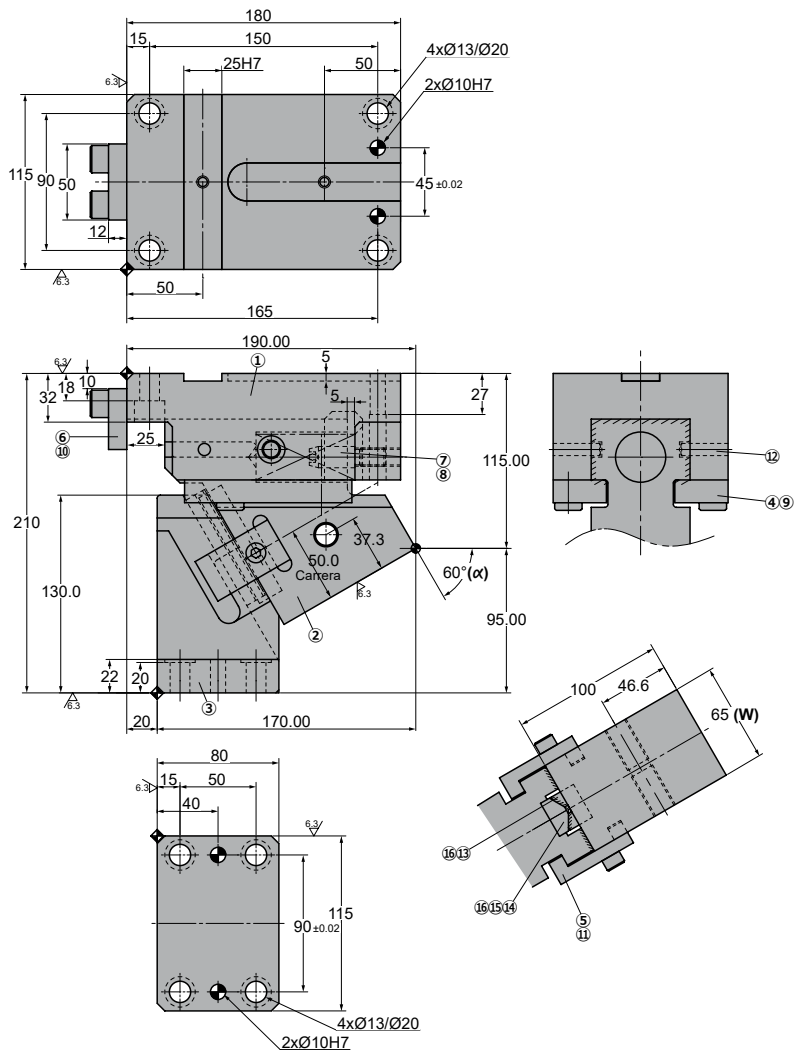
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

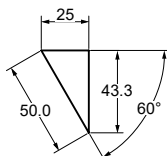
Aerial cam for pierce and flange

**AZOL
GAS** 

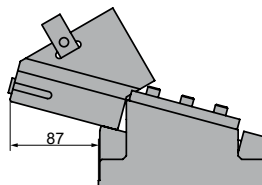
ABKL 0065 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
50.0	19.6 (2.0)	39.2 (4.0)	297.0 (30.3)	1039.2 (106.0)	ABKL	0065	60



Order: Model (W) (α)

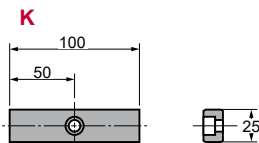
ABKL 0065 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 60-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

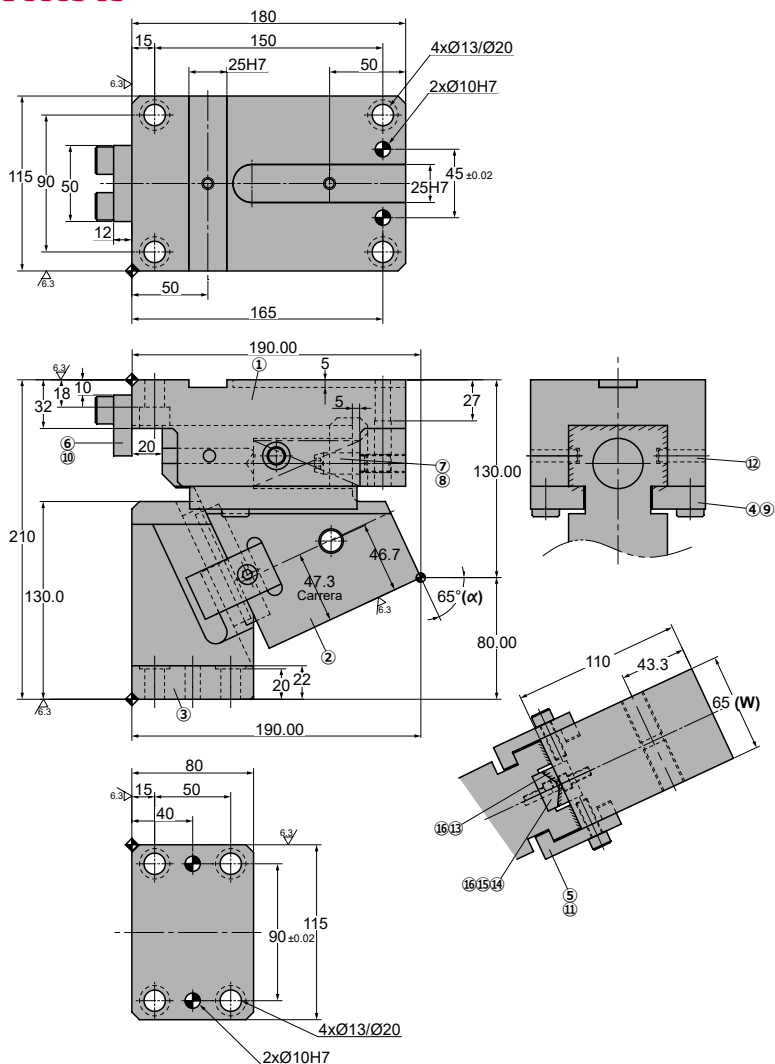
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

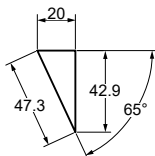
Aerial cam for pierce and flange

**AZOL
GAS** 

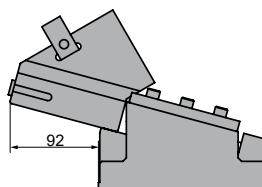
ABKL 0065 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
47.3	19.6 (2.0)	39.2 (4.0)	297.0 (30.3)	890.7 (90.8)	ABKL	0065	65



Order: Model (W) (α)

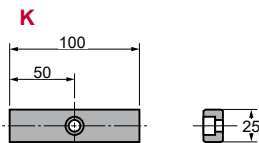
ABKL 0065 65

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 65-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

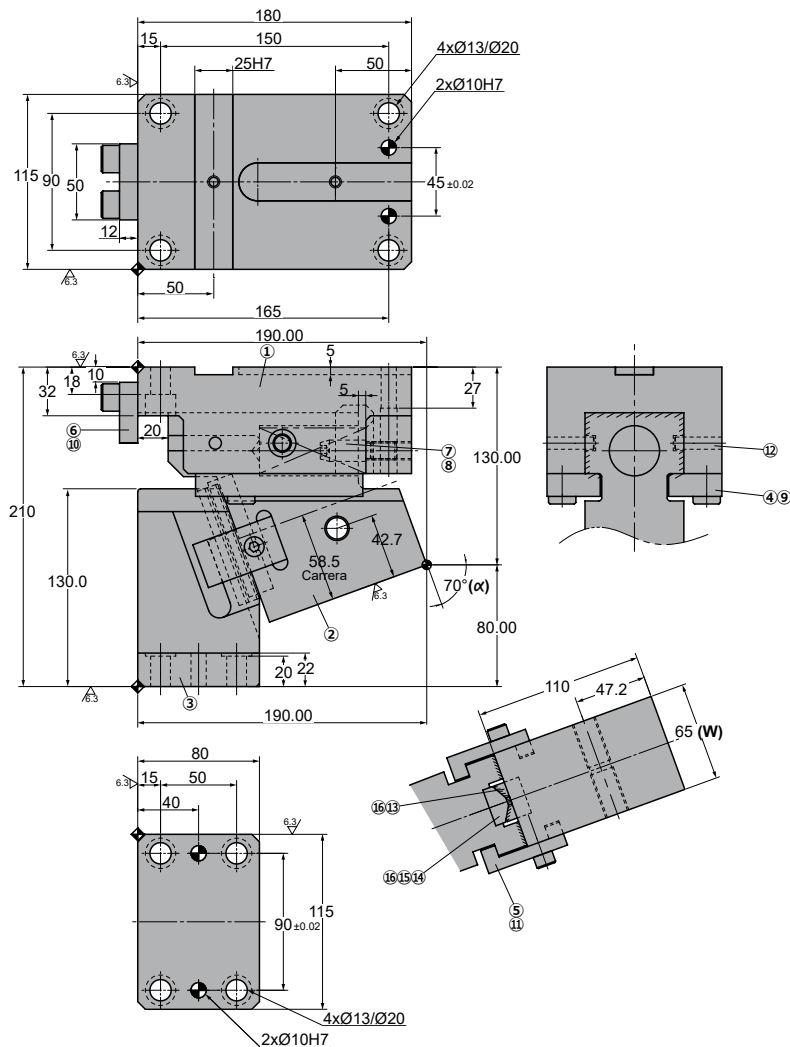
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

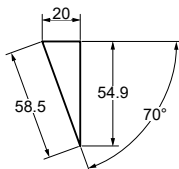
Aerial cam for pierce and flange

**AZOL
GAS**

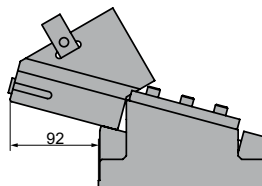
ABKL 0065 70



◦Cam diagram:



◦Desassembling space:

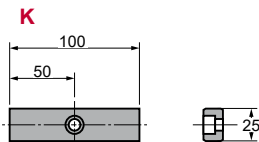


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
58.5	19.6 (2.0)	39.2 (4.0)	297.0 (30.3)	890.7 (90.8)	ABKL	0065	70


Order: Model (W) (α)
ABKL 0065 70

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY


1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 70-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

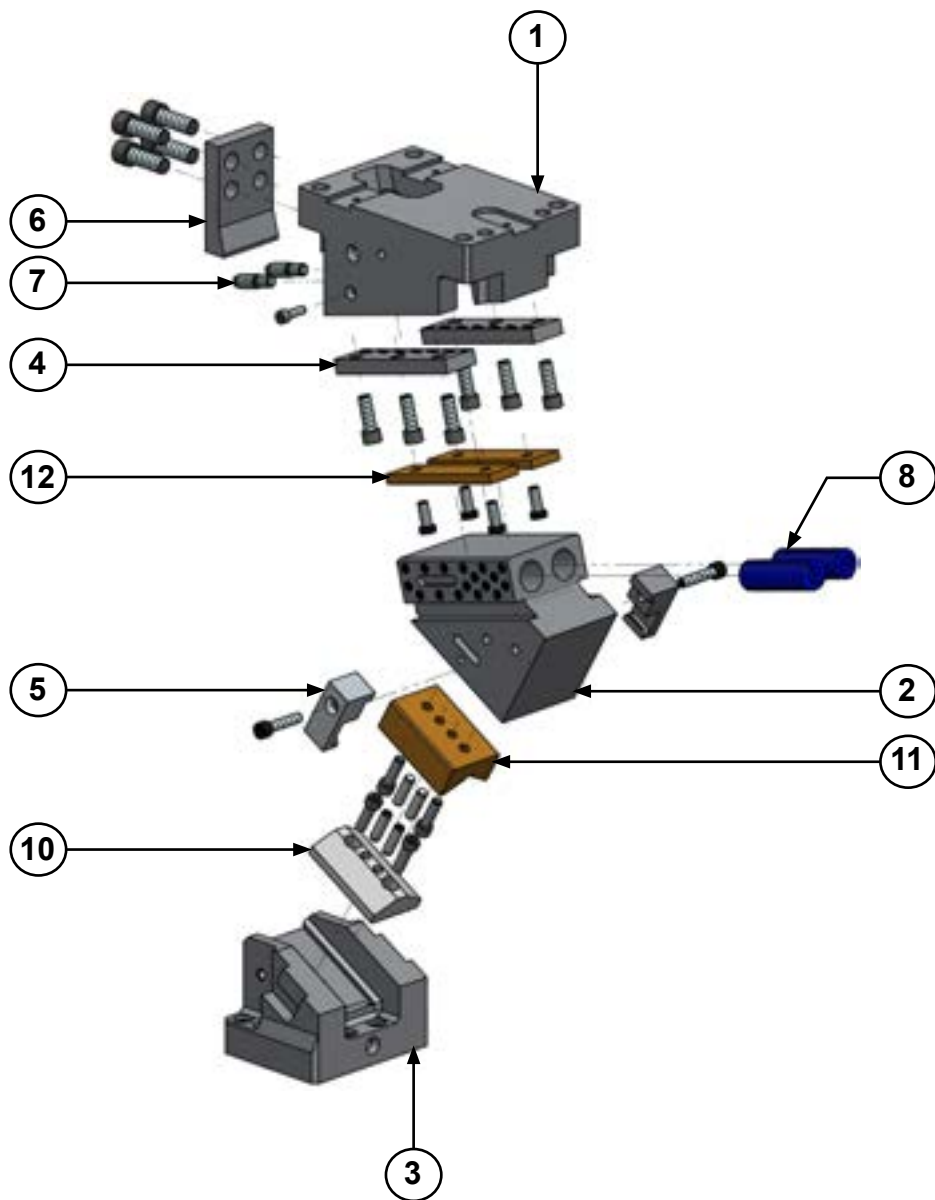
No.	Description	Qty.	Material
⑮	Screw	4	M6 x 15

ABKL 0065

Aerial cam for pierce and flange

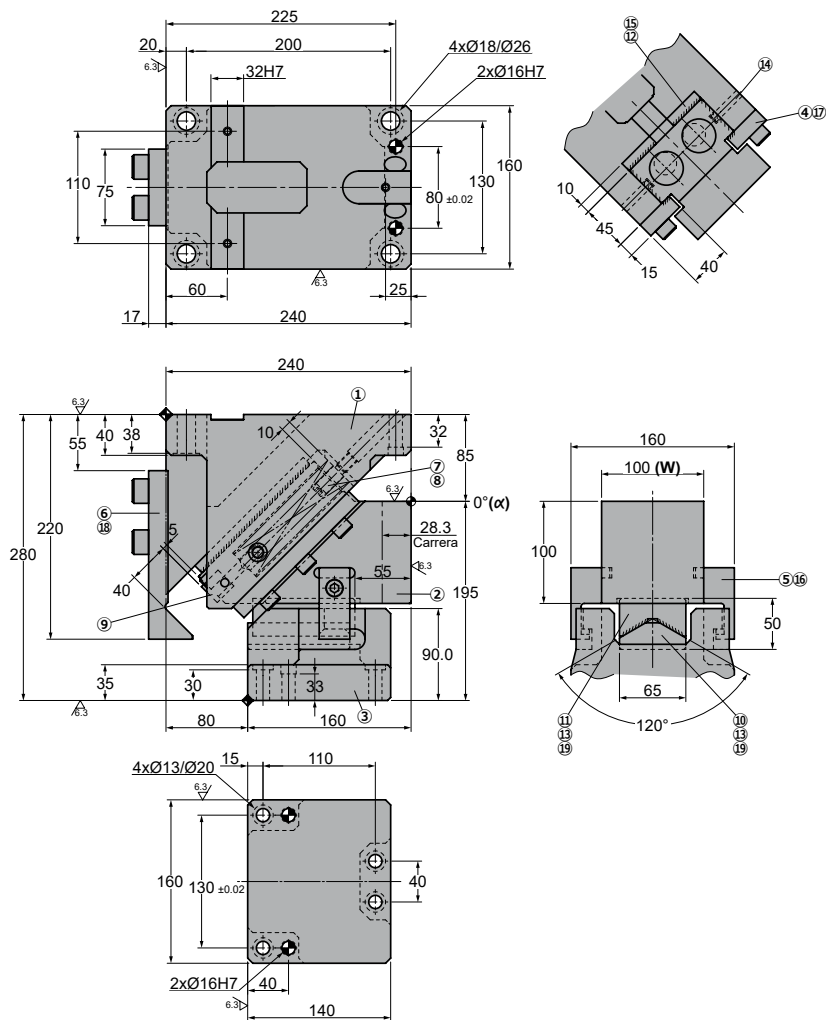
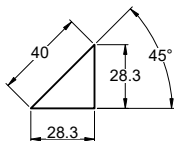
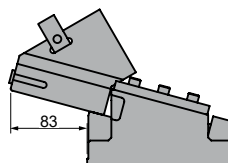
ABKL 0100

Aerial cam for pierce and flange



ABKL 0100

Aerial cam for pierce and flange

**AZOL
GAS** **ABKL 0100 00****Cam diagram:****Desassembling space:**

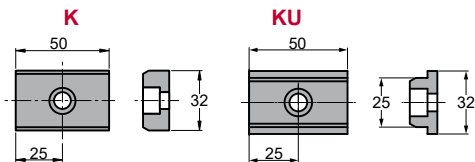
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
28.3	44.1 (4.5)	88.2 (9.0)	313.3 (31.9)	2819.7 (287.5)	ABKL	0100	00


Order: Model (W) (α)
ABKL 0100 00

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 00-K


SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

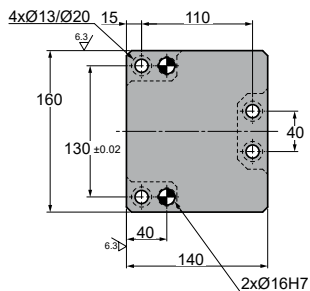
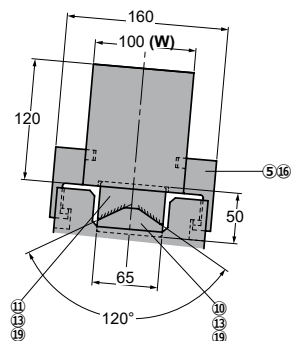
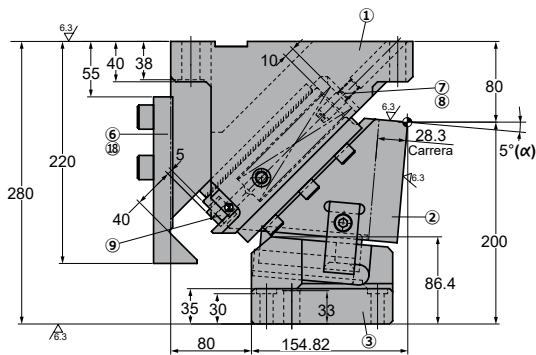
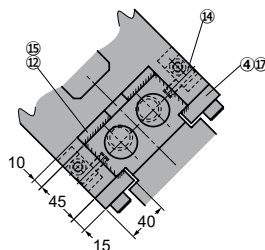
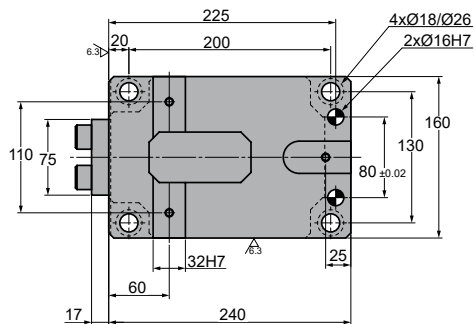
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

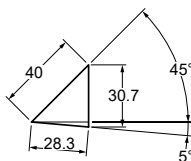
Aerial cam for pierce and flange



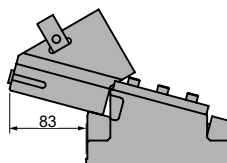
ABKL 0100 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
28.3	44.1 (4.5)	88.2 (9.0)	313.3 (31.9)	2819.7 (287.5)	ABKL	0100	05



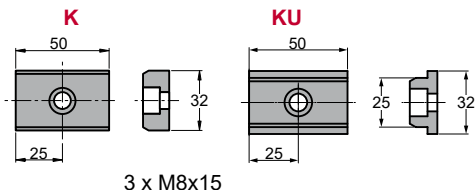
Order: Model (W) (α)

ABKL 0065 05

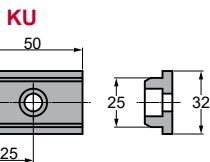
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0065 05-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

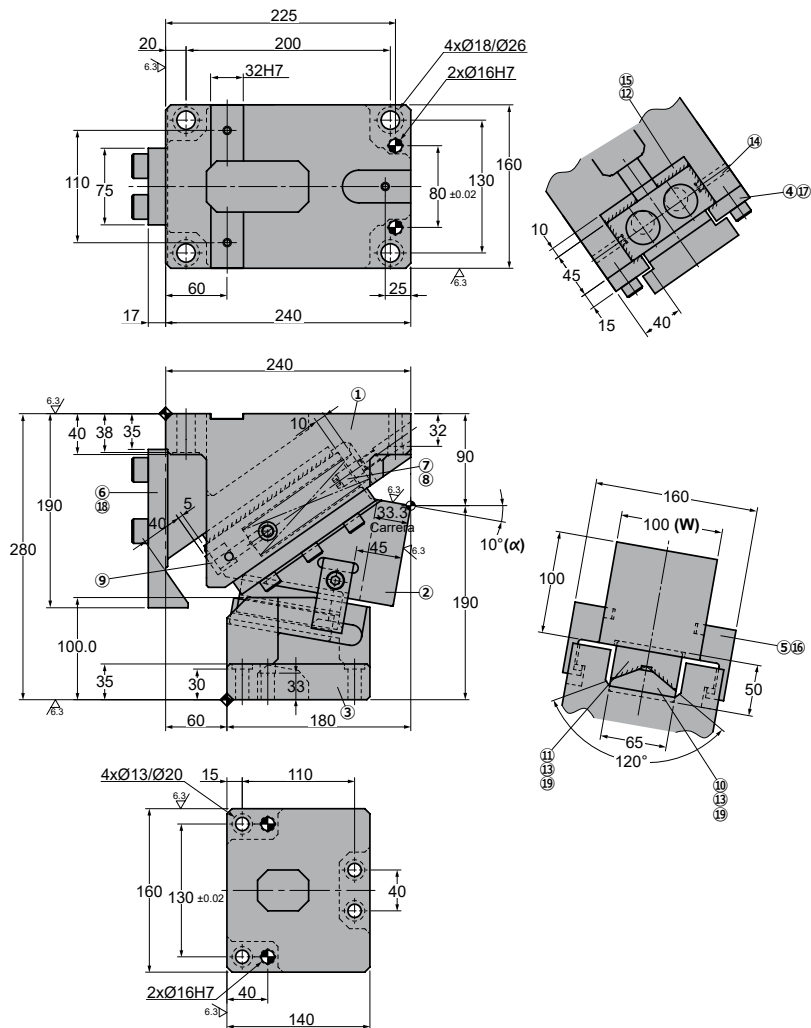
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

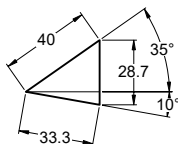
Aerial cam for pierce and flange

**AZOL
GAS**

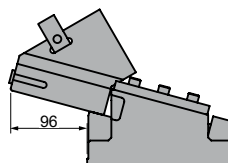
ABKL 0100 10



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
33.3	44.1 (4.5)	88.2 (9.0)	313.3 (31.9)	2819.7 (287.5)	ABKL	0100	10



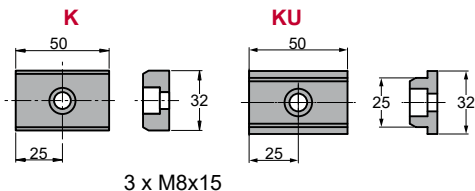
Order: Model (W) (α)

ABKL 0100 10

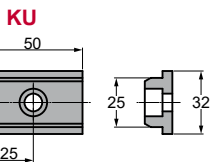
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0100 10-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

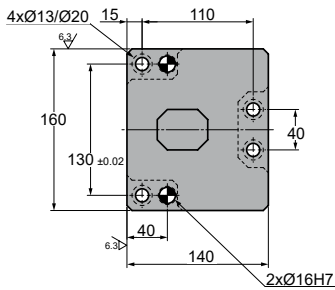
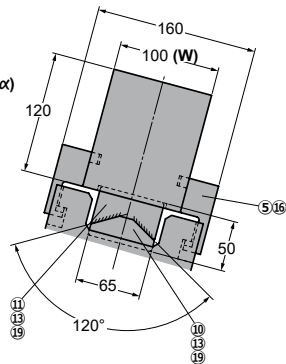
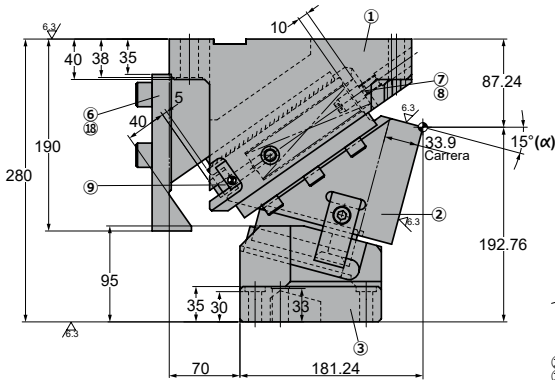
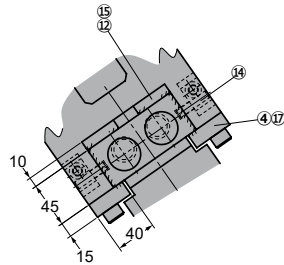
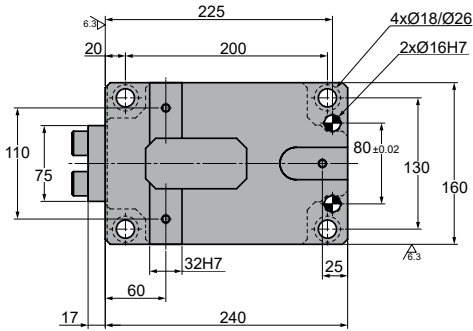
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

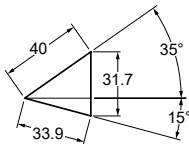
Aerial cam for pierce and flange

**AZOL
GAS** 

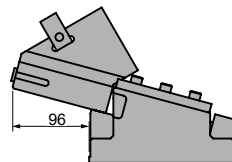
ABKL 0100 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
33.9	44.1 (4.5)	88.2 (9.0)	313.3 (31.9)	2819.7 (287.5)	ABKL	0100	15



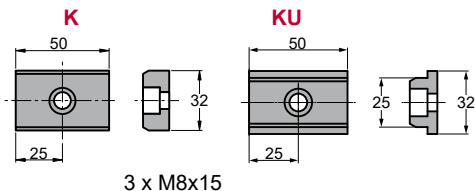
Order: Model (W) (α)

ABKL 0065 15

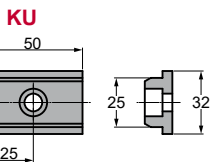
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0065 15-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

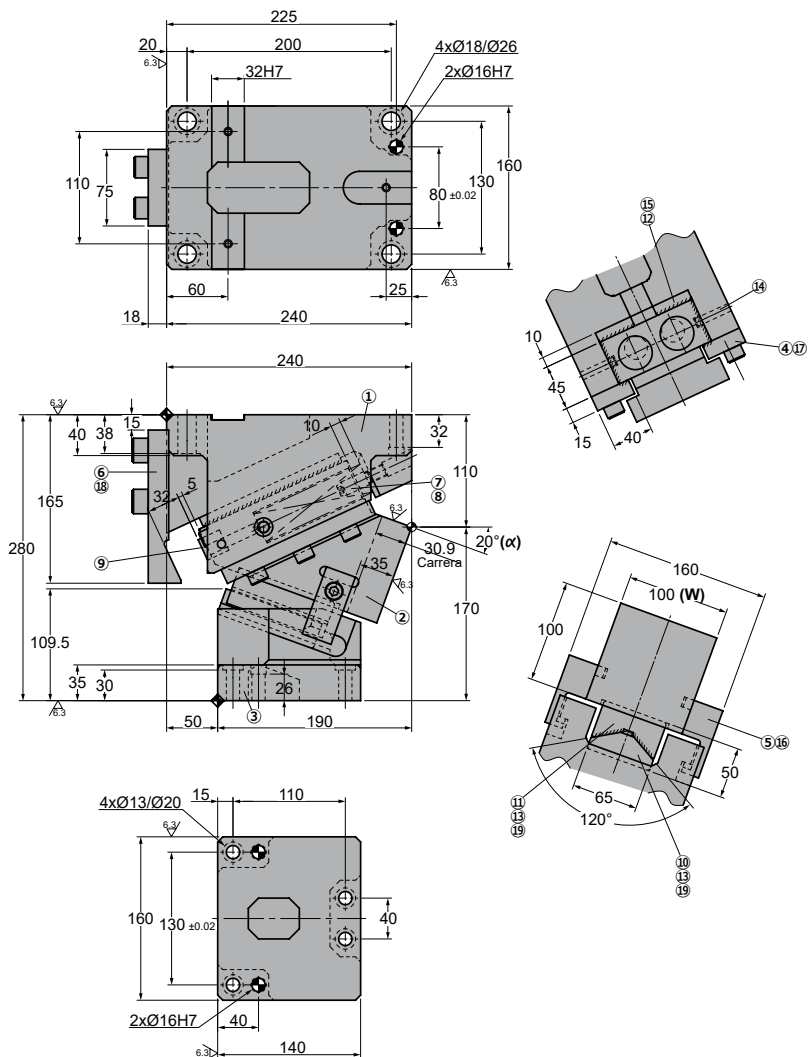
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

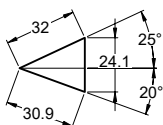
Aerial cam for pierce and flange

**AZOL
GAS**

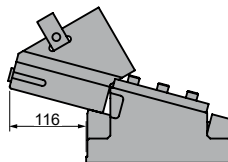
ABKL 0100 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
30.9	44.1 (4.5)	88.2 (9.0)	219.3 (22.4)	2558.5 (260.9)	ABKL	0100	20



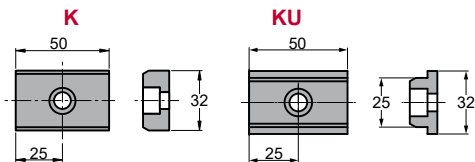
Order: Model (W) (α)

ABKL 0100 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



3 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0100 20-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-150
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

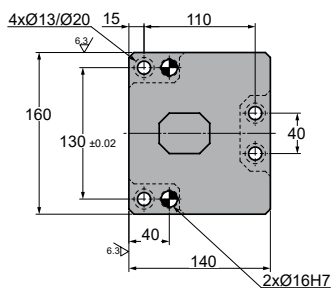
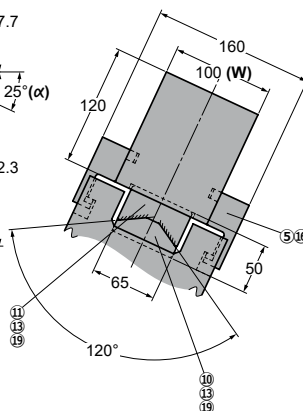
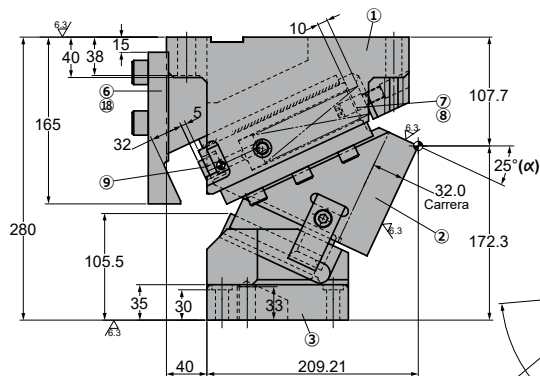
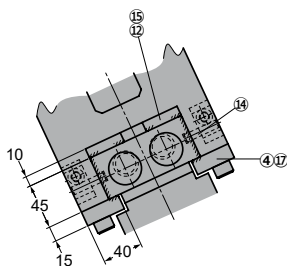
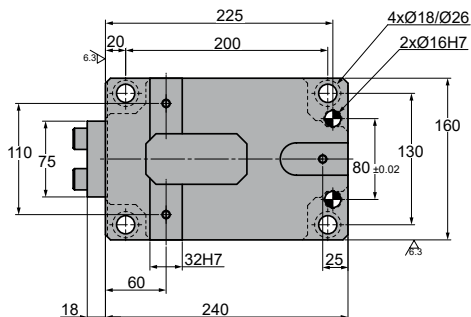
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

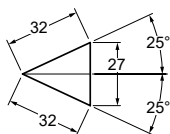
Aerial cam for pierce and flange

**AZOL
GAS** 

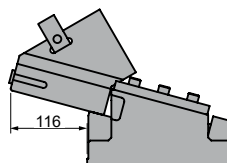
ABKL 0100 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
32.0	44.1 (4.5)	88.2 (9.0)	219.3 (22.4)	2558.5 (260.9)	ABKL	0100	25



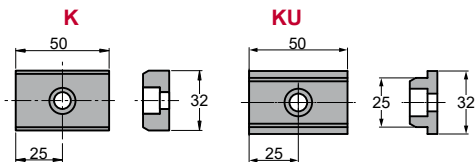
Order: Model (W) (α)

ABKL 0065 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



3 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 25-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
33.5	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	30



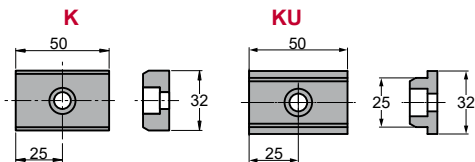
Order: Model (W) (α)

ABKL 0100 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



3 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0100 30-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

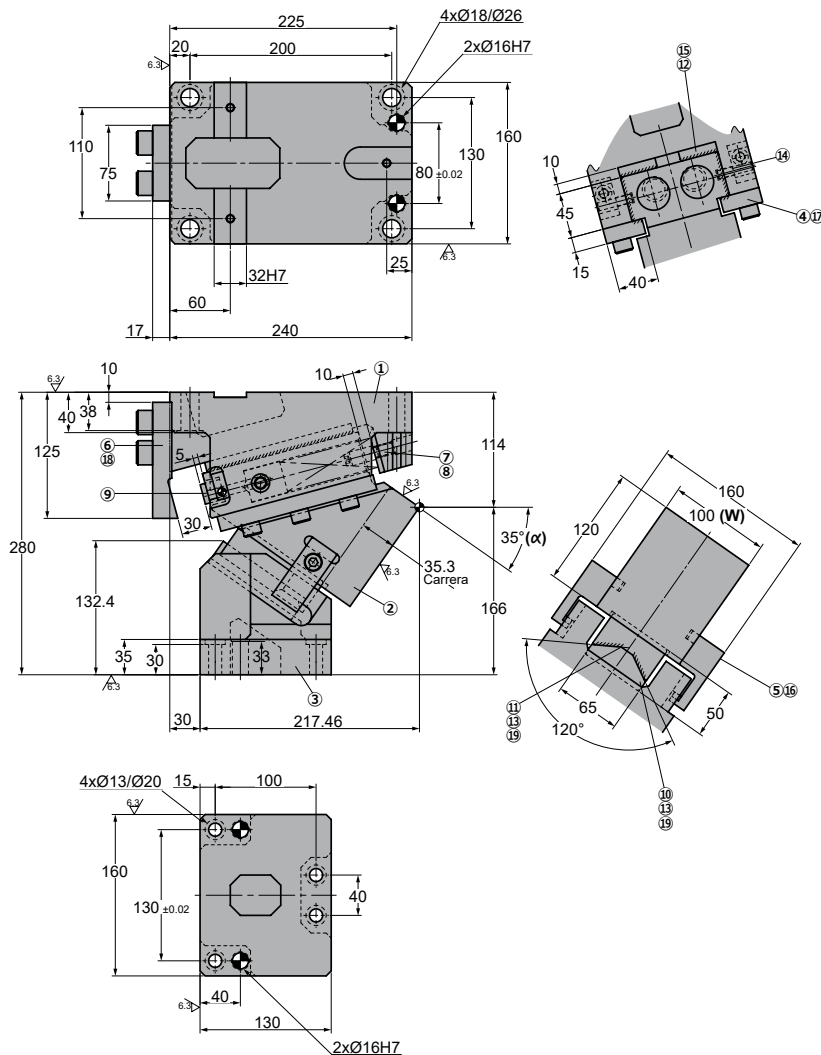
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

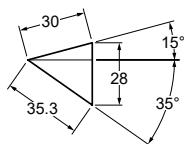
Aerial cam for pierce and flange

**AZOL
GAS**

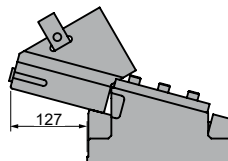
ABKL 0100 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
35.3	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	35



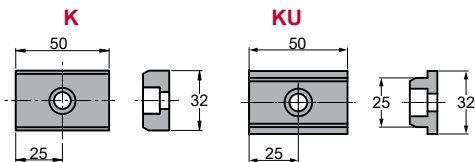
Order: Model (W) (α)

ABKL 0065 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



3 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 35-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

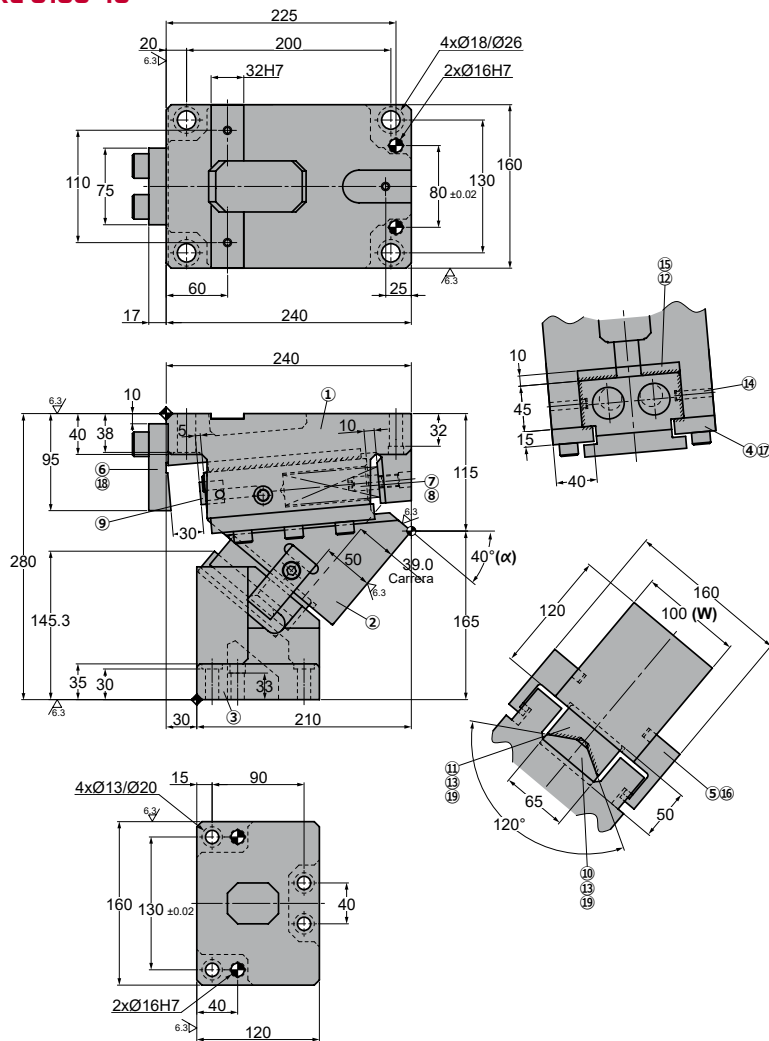
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

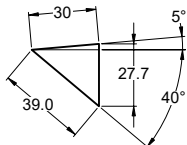
Aerial cam for pierce and flange

**AZOL
GAS** 

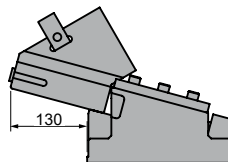
ABKL 0100 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
39.0	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	40



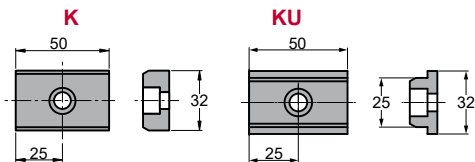
Order: Model (W) (α)

ABKL 0100 40

Standard order example according to catalog sheet.
Add options applying options table contents.

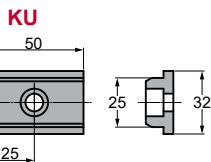
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



ABKL 0100 40-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

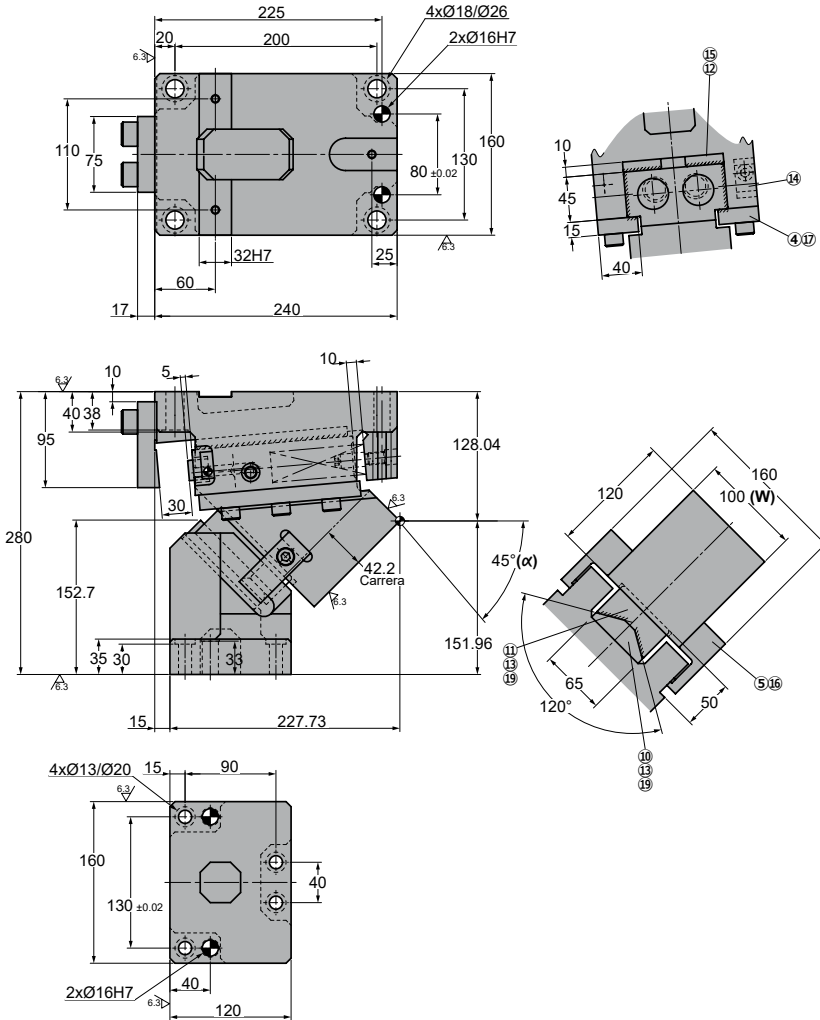
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	2	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

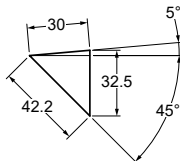
Aerial cam for pierce and flange

**AZOL
GAS**

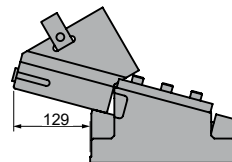
ABKL 0100 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
42.2	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	45



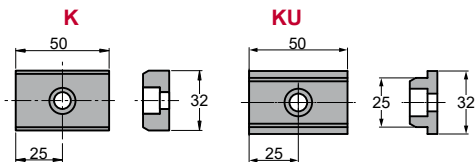
Order: Model (W) (α)

ABKL 0065 45

Standard order example according to catalog sheet.
Add options applying options table contents.

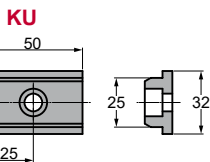
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



ABKL 0065 45-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

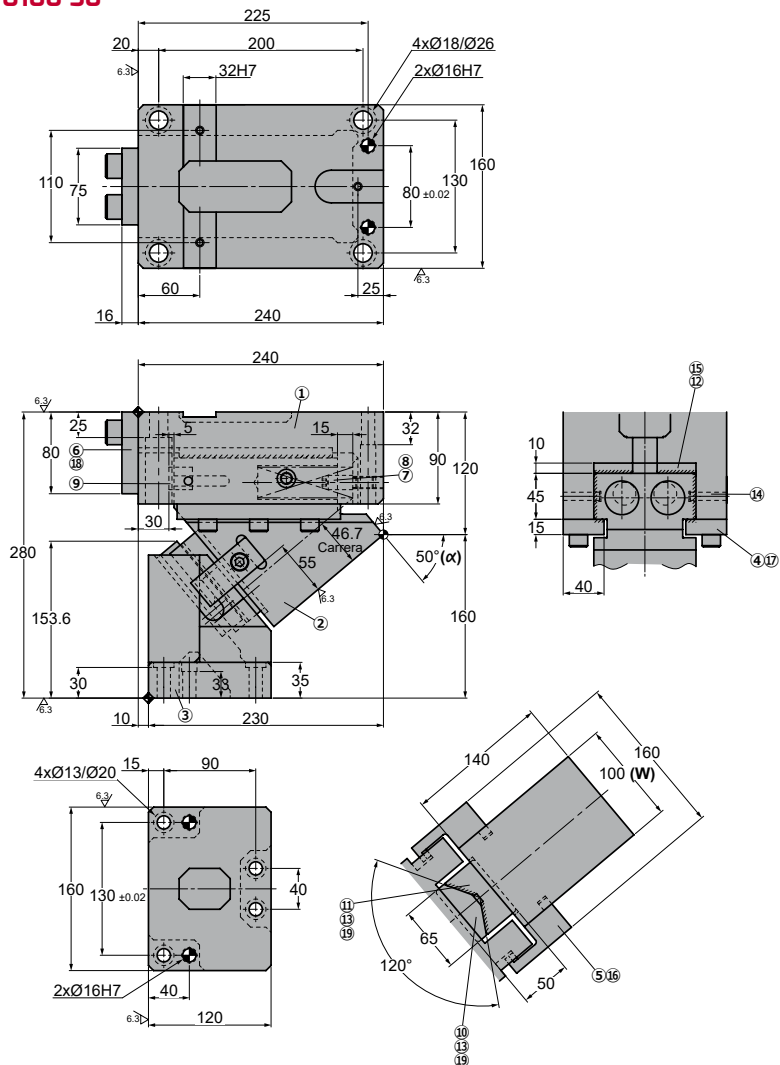
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

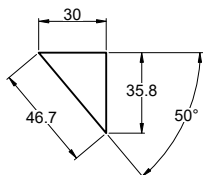
Aerial cam for pierce and flange



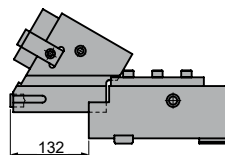
ABKL 0100 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
46.7	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	50



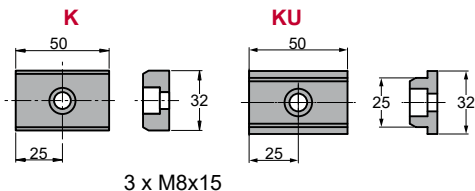
Order: Model (W) (α)

ABKL 0100 50

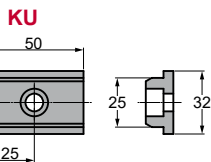
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0100 50-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	2	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
52.3	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	55



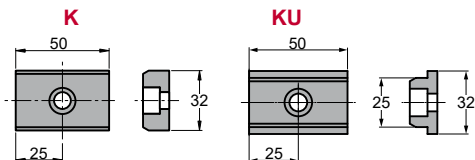
Order: Model (W) (α)

ABKL 0065 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



3 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0065 55-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

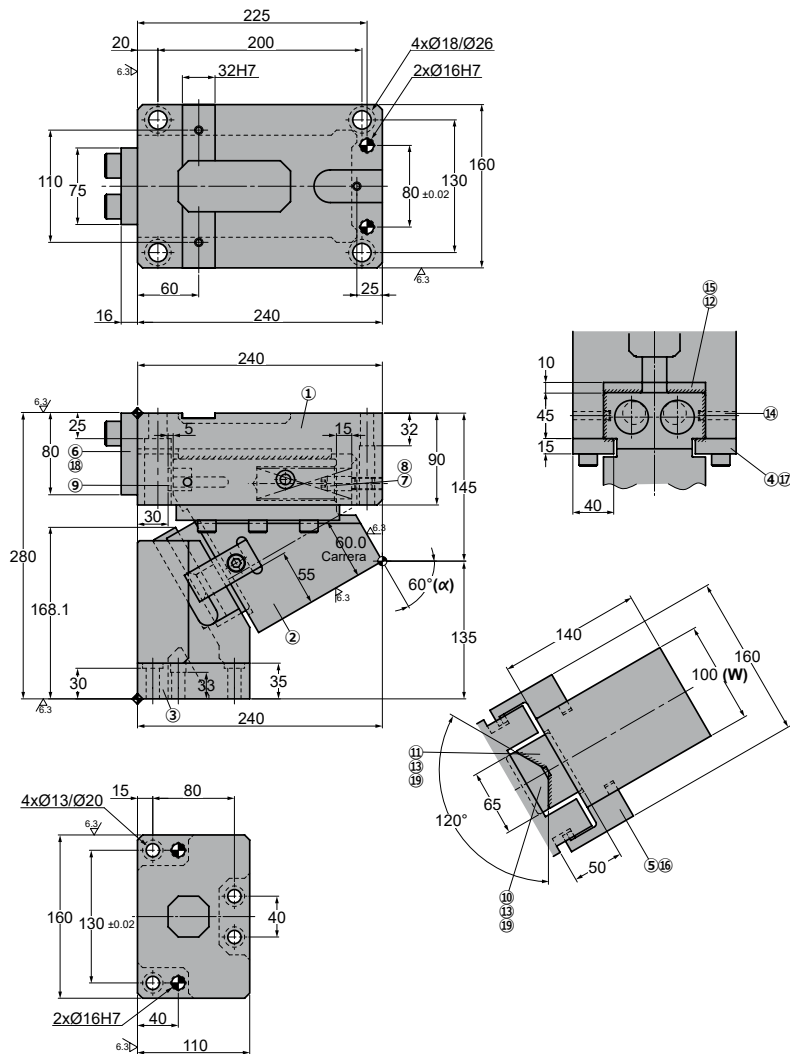
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

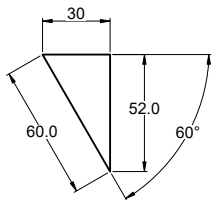
Aerial cam for pierce and flange



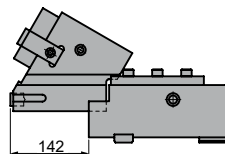
ABKL 0100 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
60.0	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	60



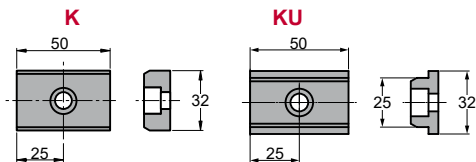
Order: Model (W) (α)

ABKL 0100 60

Standard order example according to catalog sheet.
Add options applying options table contents.

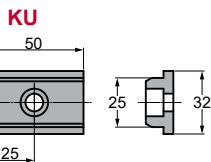
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



ABKL 0100 60-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

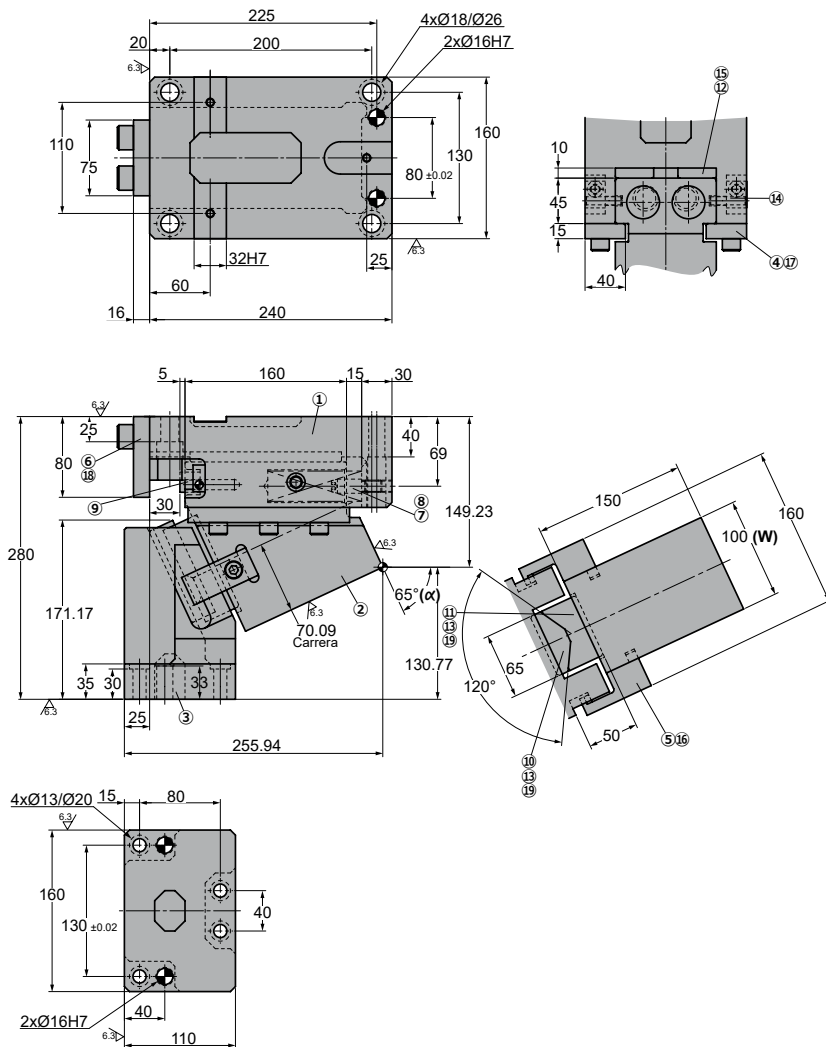
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	2	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

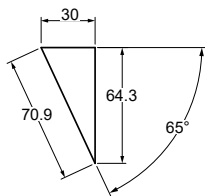
Aerial cam for pierce and flange



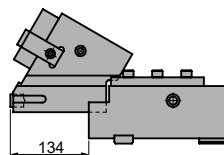
ABKL 0100 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
70.9	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	65



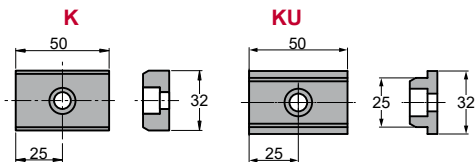
Order: Model (W) (α)

ABKL 0100 65

Standard order example according to catalog sheet.
Add options applying options table contents.

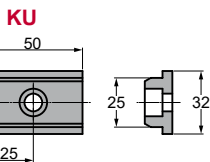
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



ABKL 0100 65-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-100
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

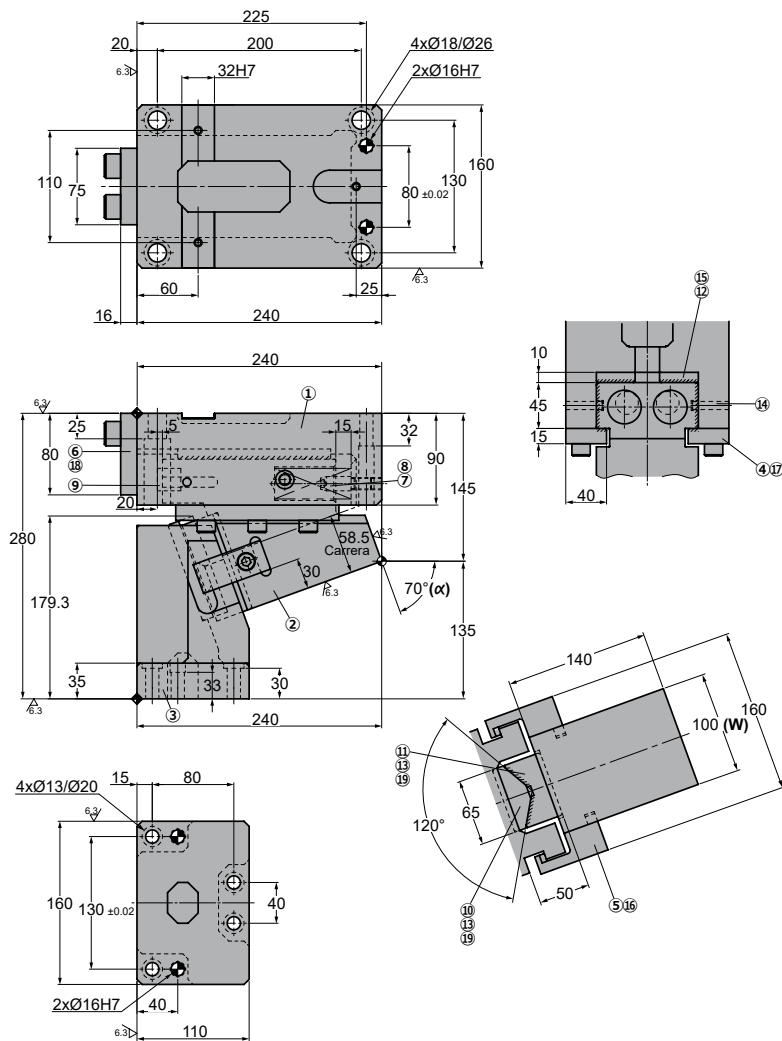
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	2	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

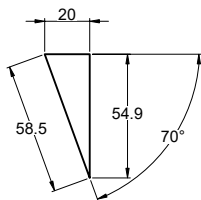
Aerial cam for pierce and flange



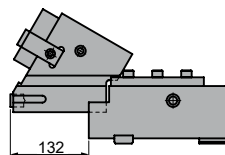
ABKL 0100 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
58.5	44.1 (4.5)	88.2 (9.0)	548.3 (55.9)	2741.5 (279.6)	ABKL	0100	70



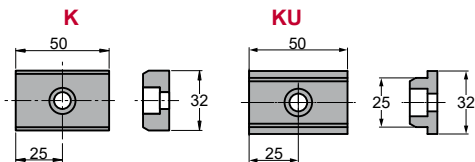
Order: Model (W) (α)

ABKL 0065 70

Standard order example according to catalog sheet.
Add options applying options table contents.

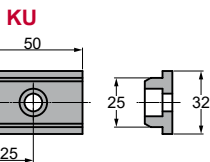
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



ABKL 0065 70-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

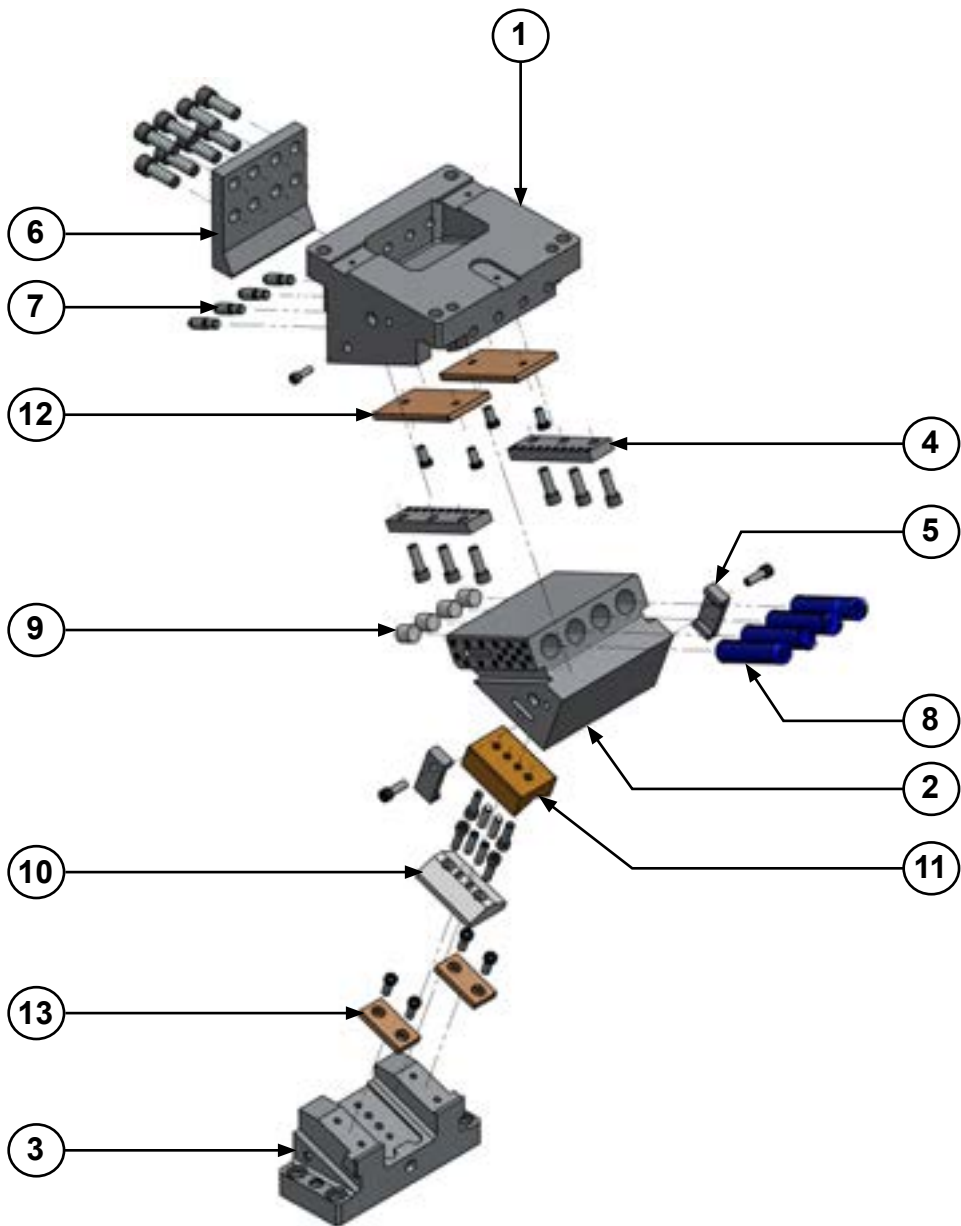
ABKL 0100



Aerial cam for pierce and flange

ABKL 0200

Aerial cam for pierce and flange

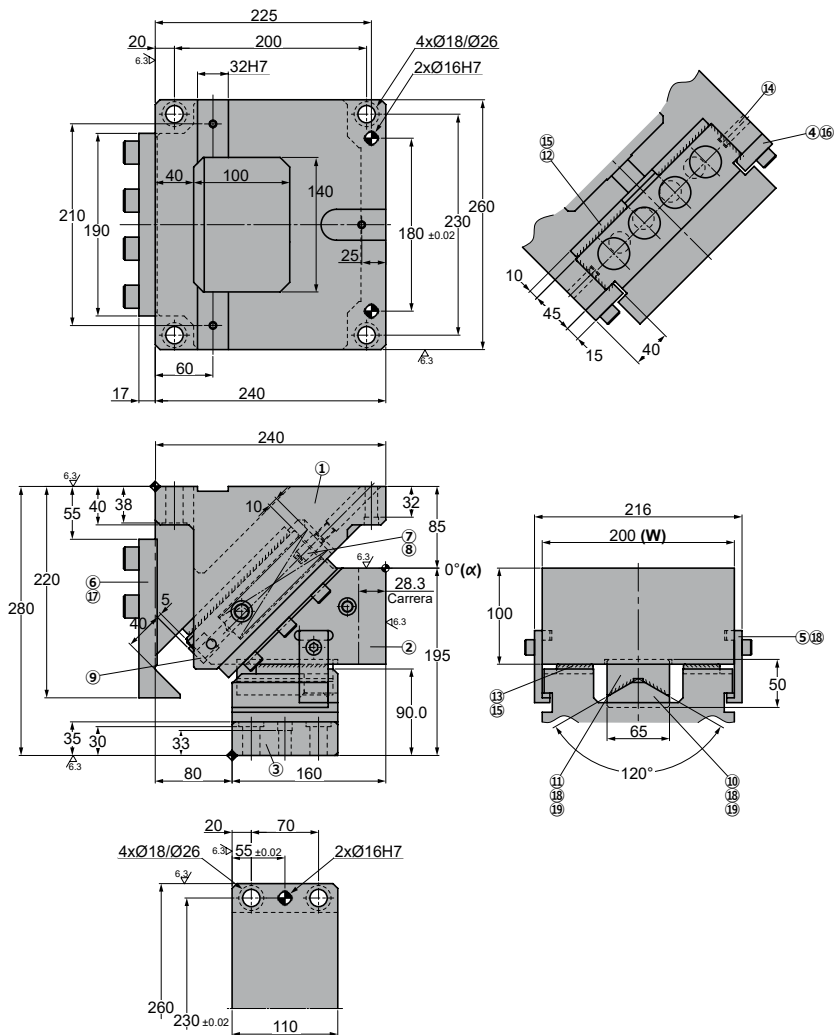


ABKL 0200

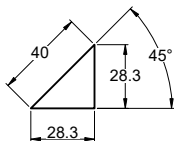
Aerial cam for pierce and flange

**AZOL
GAS**

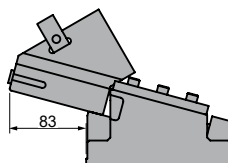
ABKL 0200 00



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
28.3	93.1 (9.5)	186.2 (19.0)	626.6 (63.9)	5634.0 (574.9)	ABKL	0200	00



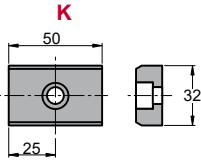
Order: Model (W) (α)

ABKL 0200 00

Standard order example according to catalog sheet.
Add options applying options table contents.

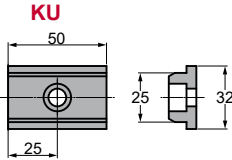
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



ABKL 0200 00-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

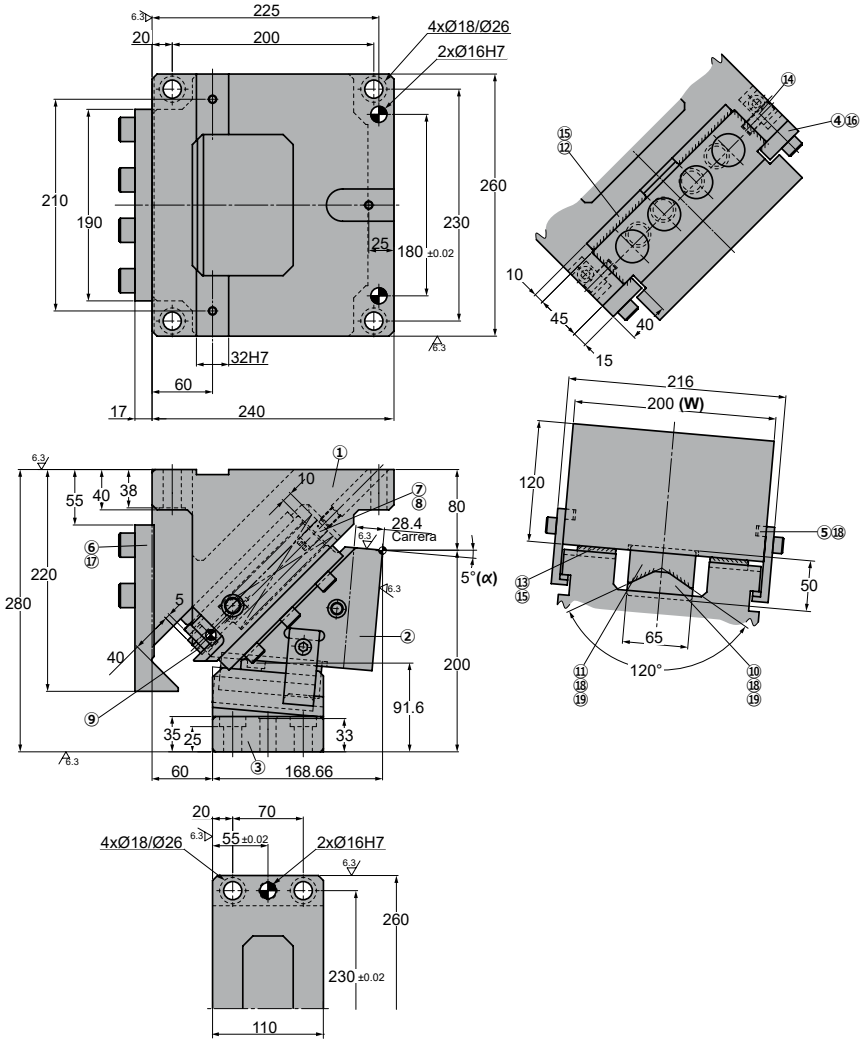
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

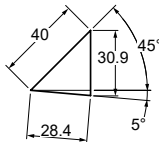
Aerial cam for pierce and flange



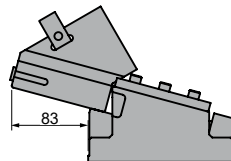
ABKL 0200 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
28.3	93.1 (9.5)	186.2 (19.0)	626.6 (63.9)	5639.4 (575.1)	ABKL	0200	05



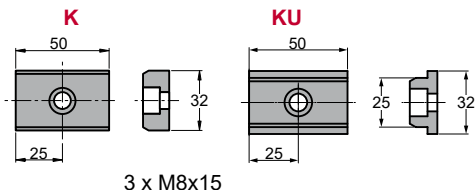
Order: Model (W) (α)

ABKL 0200 05

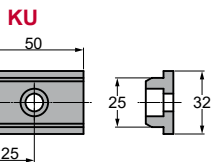
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0200 05-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

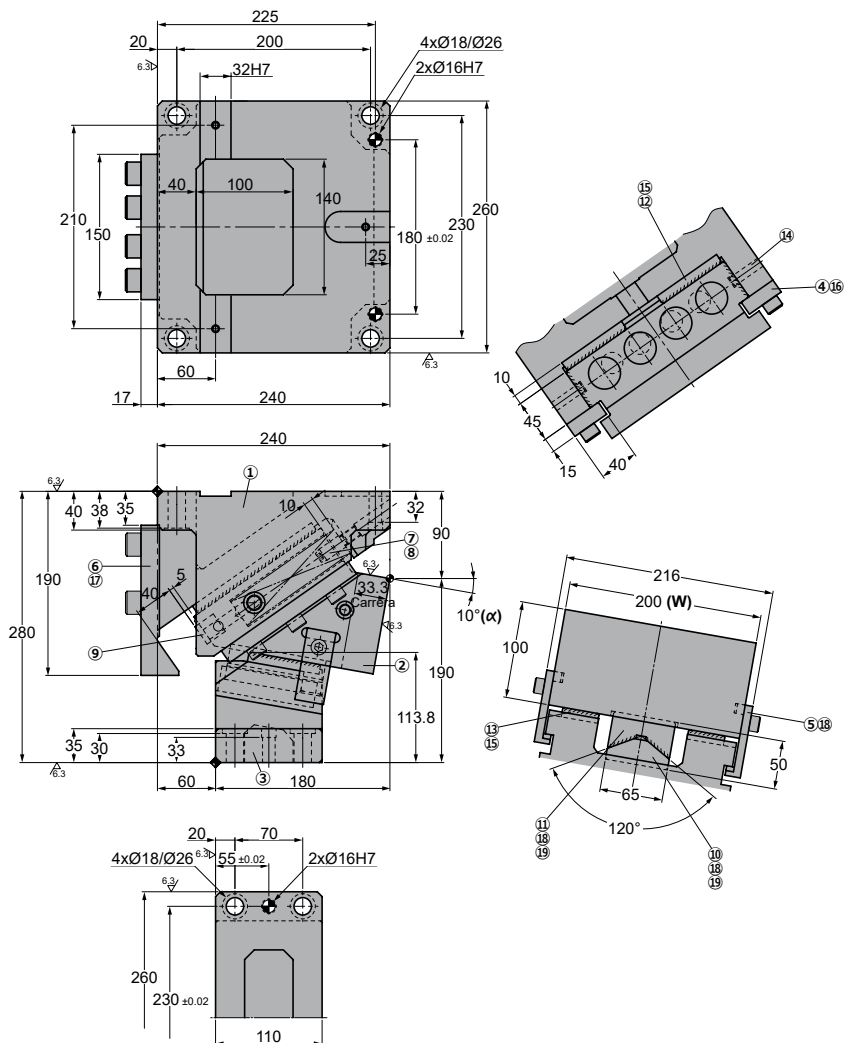
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

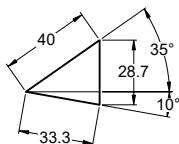
Aerial cam for pierce and flange

**AZOL
GAS** 

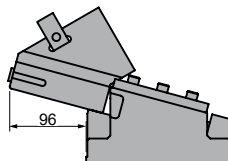
ABKL 0200 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
33.3	93.1 (9.5)	186.2 (19.0)	626.6 (63.9)	5639.4 (575.1)	ABKL	0200	10



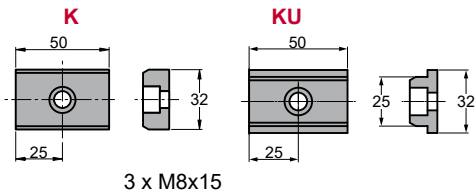
Order: Model (W) (α)

ABKL 0200 10

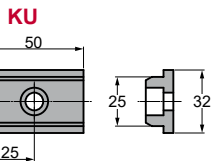
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0200 10-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

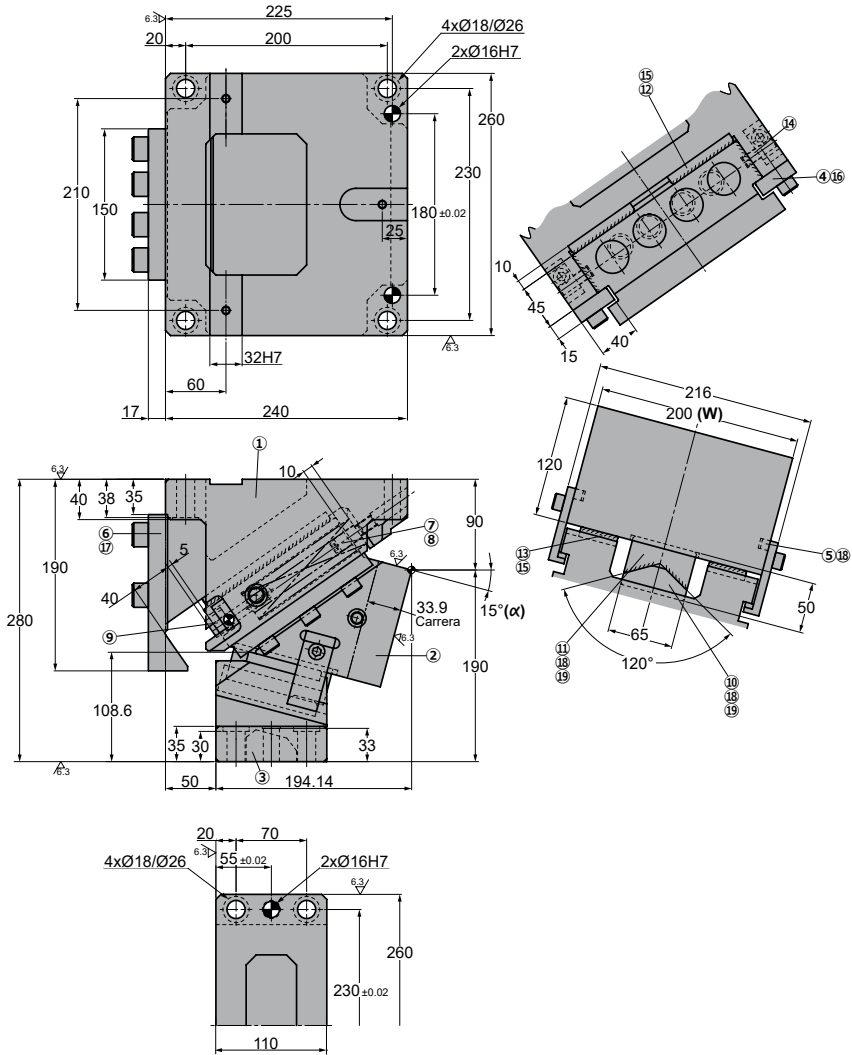
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

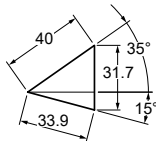
Aerial cam for pierce and flange

**AZOL
GAS**

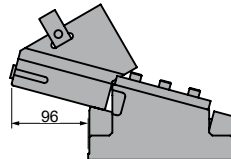
ABKL 0200 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
33.9	93.1 (9.5)	186.2 (19.0)	626.6 (63.9)	5639.4 (575.1)	ABKL	0200	15



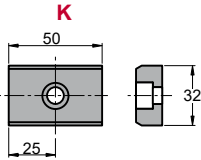
Order: Model (W) (α)

ABKL 0200 15

Standard order example according to catalog sheet.
Add options applying options table contents.

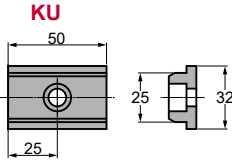
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



ABKL 0200 15-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
30.9	93.1 (9.5)	186.2 (19.0)	438.6 (44.7)	5117.0 (521.8)	ABKL	0200	20



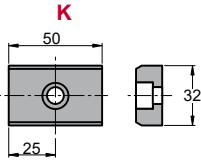
Order: Model (W) (α)

ABKL 0200 20

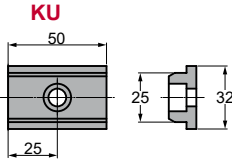
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ABKL 0200 20-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

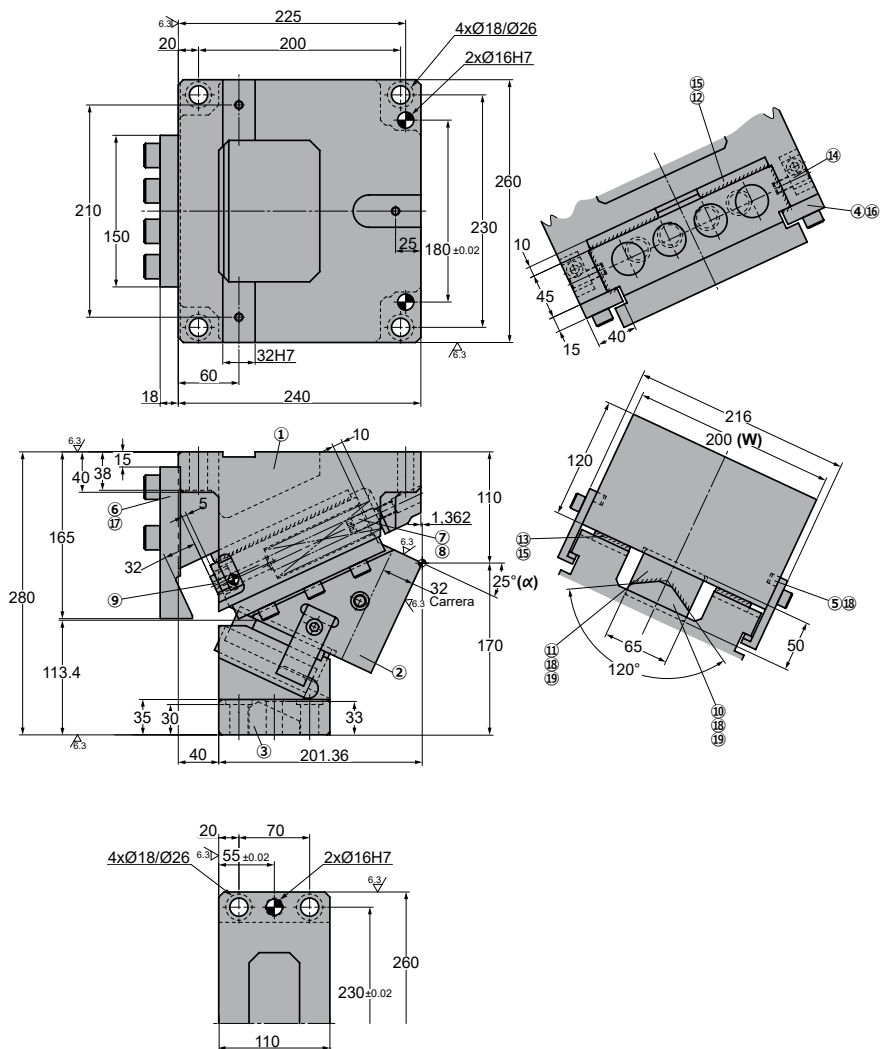
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

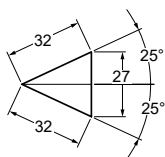
Aerial cam for pierce and flange

**AZOL
GAS** 

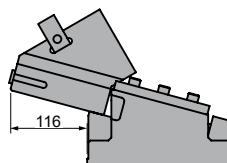
ABKL 0200 25



◦Cam diagram:



◦Desassembling space:



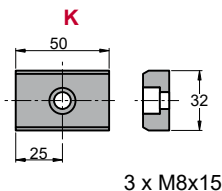
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
32.0	93.1 (9.5)	186.2 (19.0)	438.6 (44.7)	5117.0 (521.8)	ABKL	0200	25


Order: Model (W) (α)
ABKL 0200 25

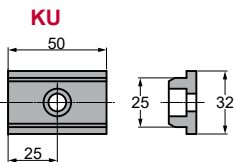
 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KU



KEY


Order Options: Model (W) (α)-Option

ABKL 0200 25-K


SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

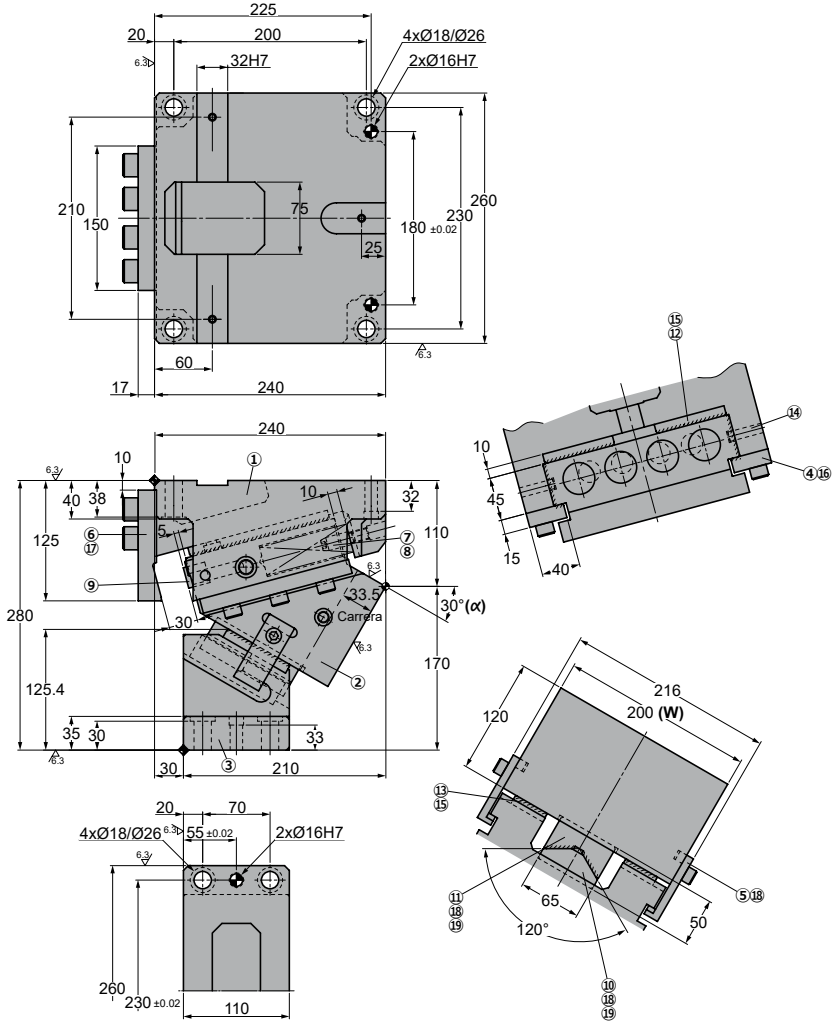
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

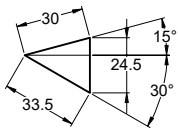
Aerial cam for pierce and flange



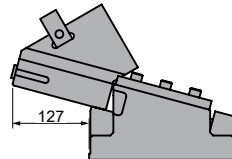
ABKL 0200 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
33.5	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	30



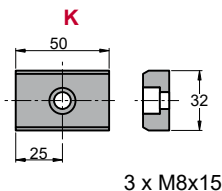
Order: Model (W) (α)

ABKL 0200 30

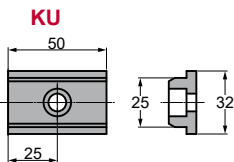
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0200 30-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
35.3	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	35



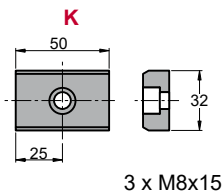
Order: Model (W) (α)

ABKL 0200 35

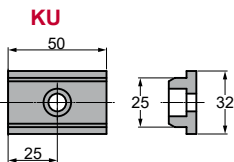
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0200 35-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

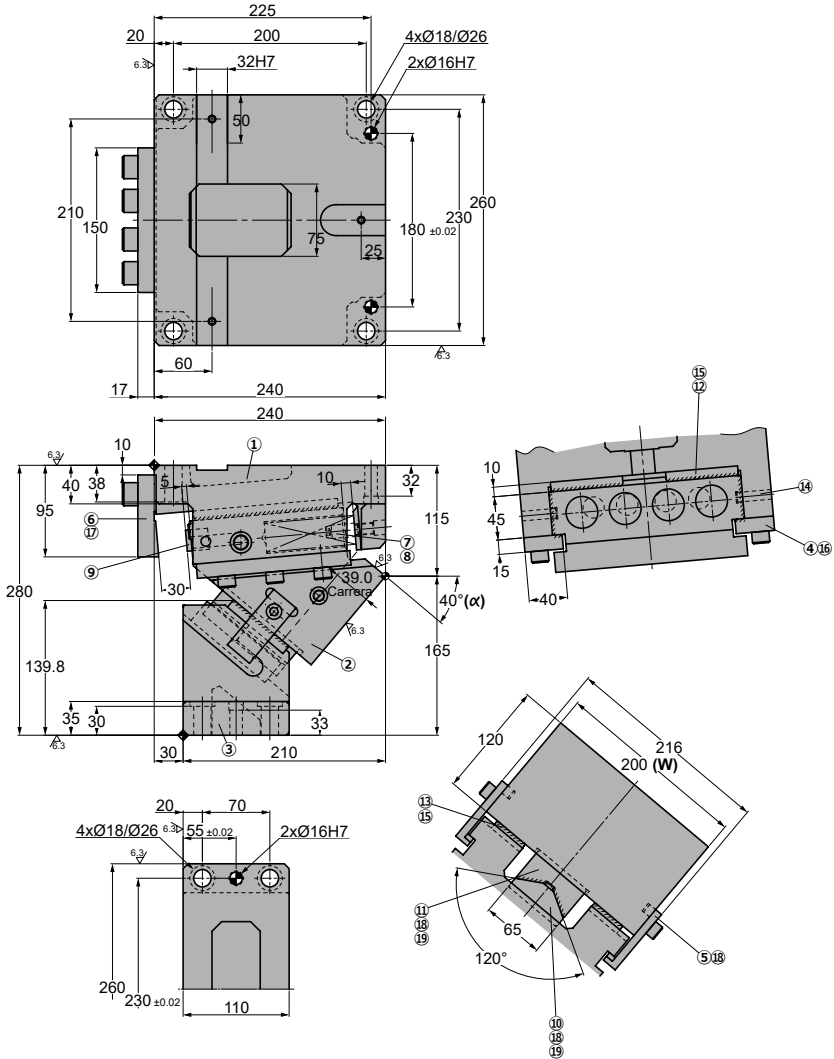
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

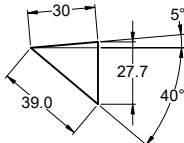
Aerial cam for pierce and flange

**AZOL
GAS** 

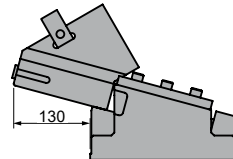
ABKL 0200 40



◦Cam diagram:



◦Desassembling space:



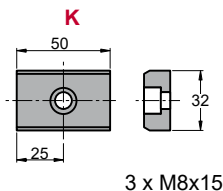
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
39.0	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	40


Order: Model (W) (α)
ABKL 0200 40

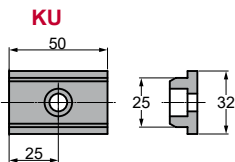
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 40-K


SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
42.2	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	45



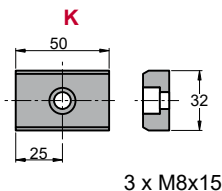
Order: Model (W) (α)

ABKL 0200 45

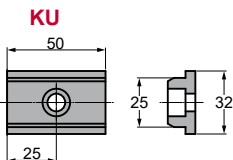
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0200 45-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

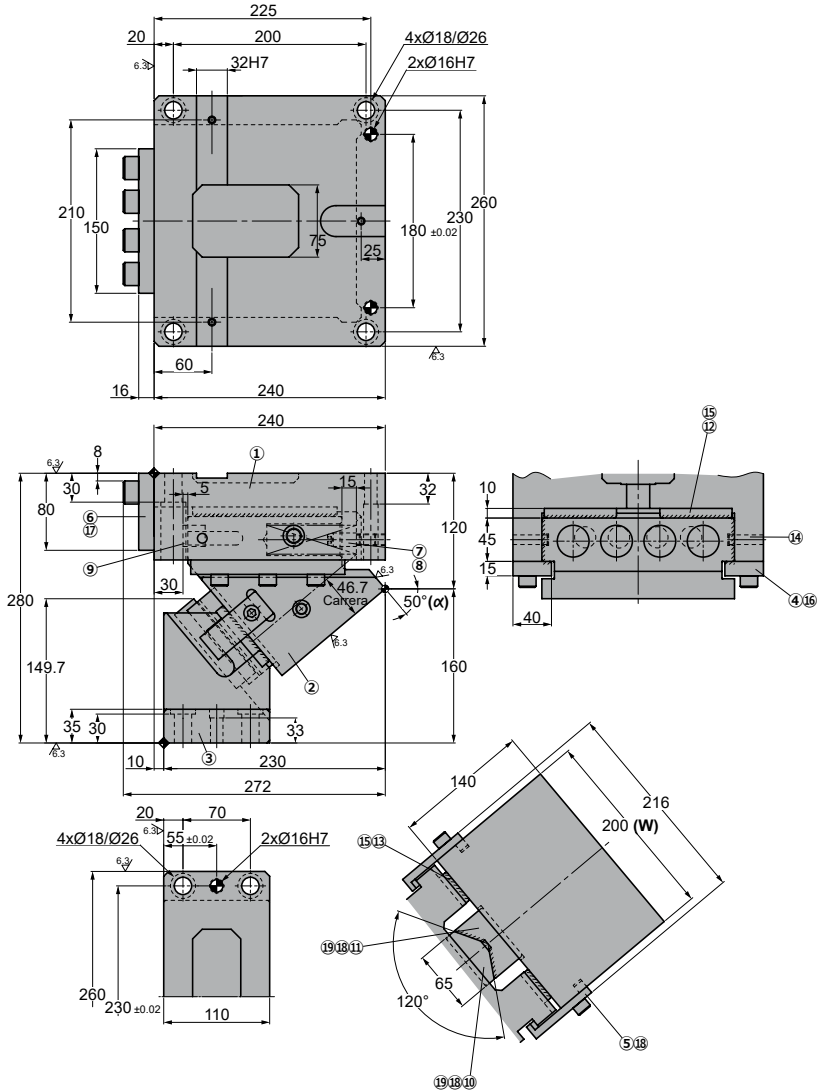
No.	Description	Qty.	Material
⑮	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

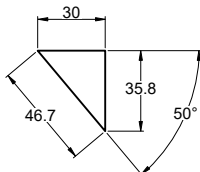
Aerial cam for pierce and flange

AZOL
GAS

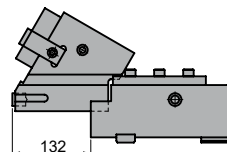
ABKL 0200 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
46.7	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	50



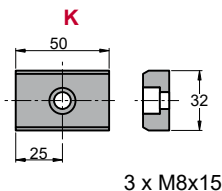
Order: Model (W) (α)

ABKL 0200 50

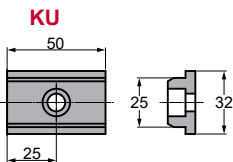
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0200 50-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

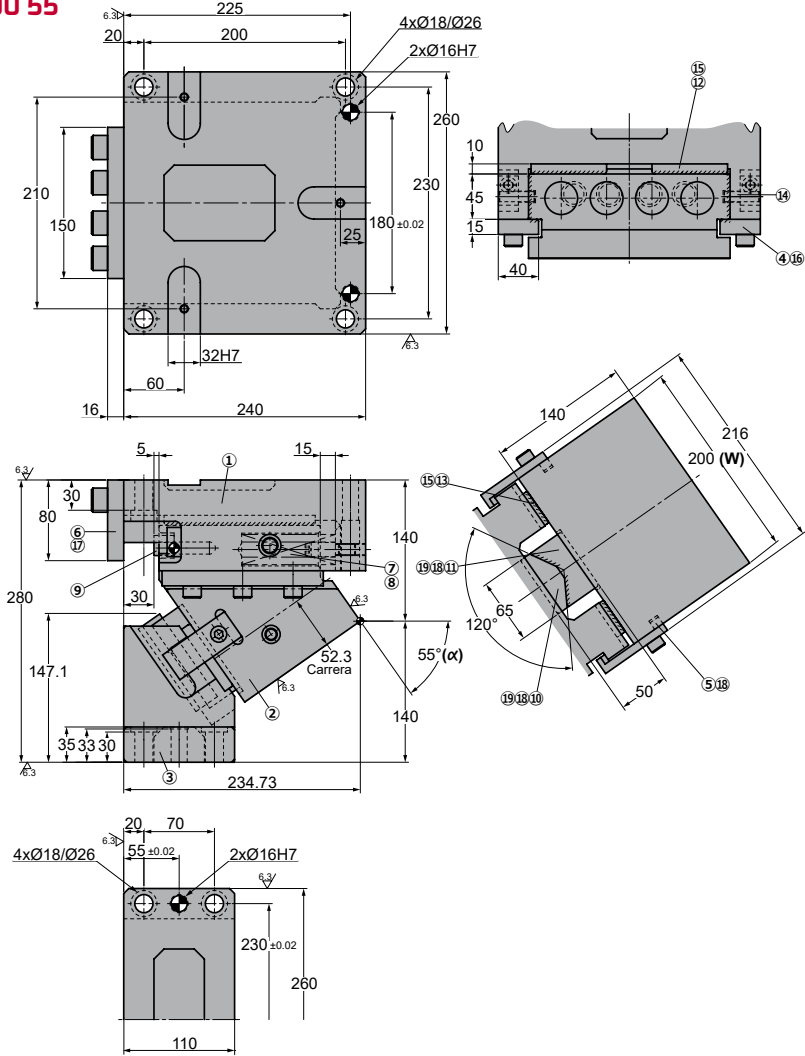
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

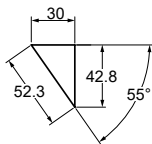
Aerial cam for pierce and flange



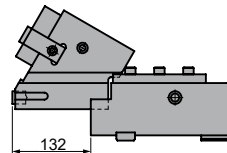
ABKL 0200 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
52.3	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	55



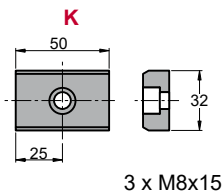
Order: Model (W) (α)

ABKL 0200 55

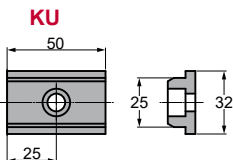
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0200 55-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

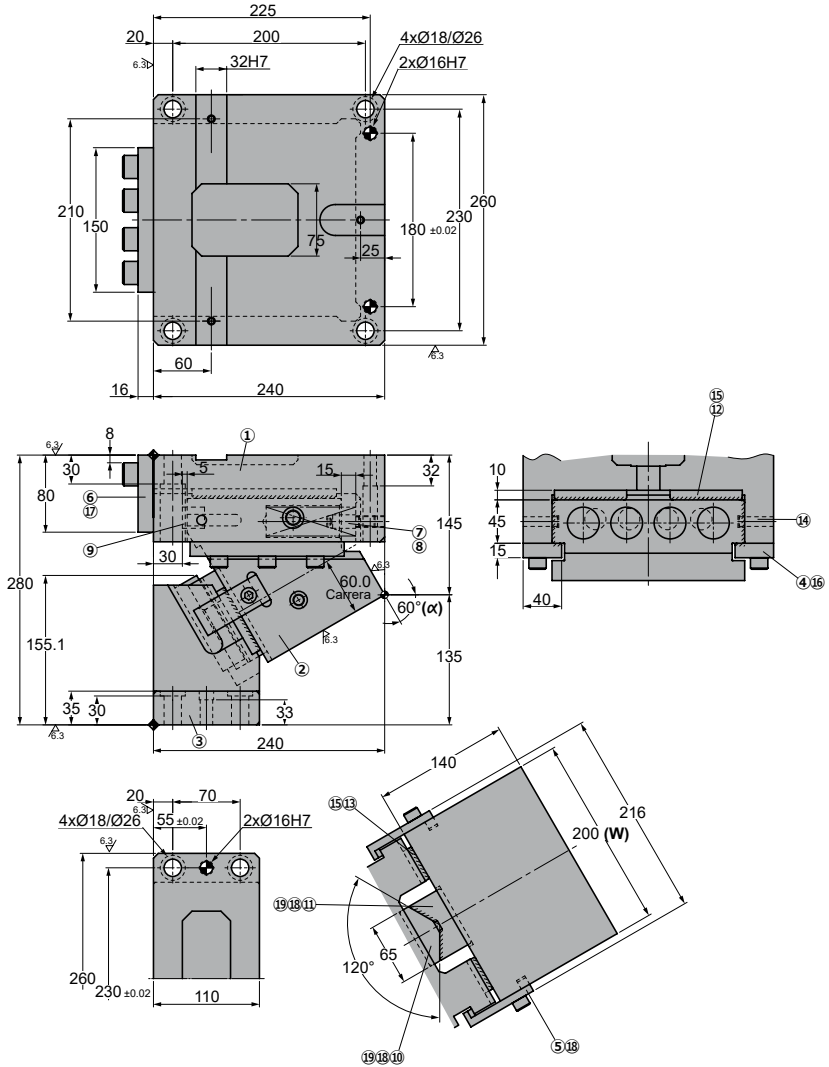
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

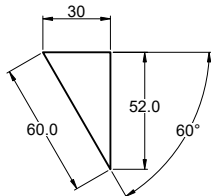
Aerial cam for pierce and flange



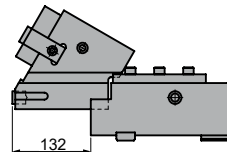
ABKL 0200 60



◦Cam diagram:



◦Desassembling space:



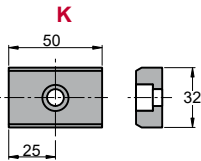
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
60.0	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	60


Order: Model (W) (α)
ABKL 0200 60

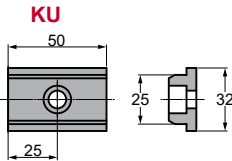
 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KU



KEY



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 60-K


SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

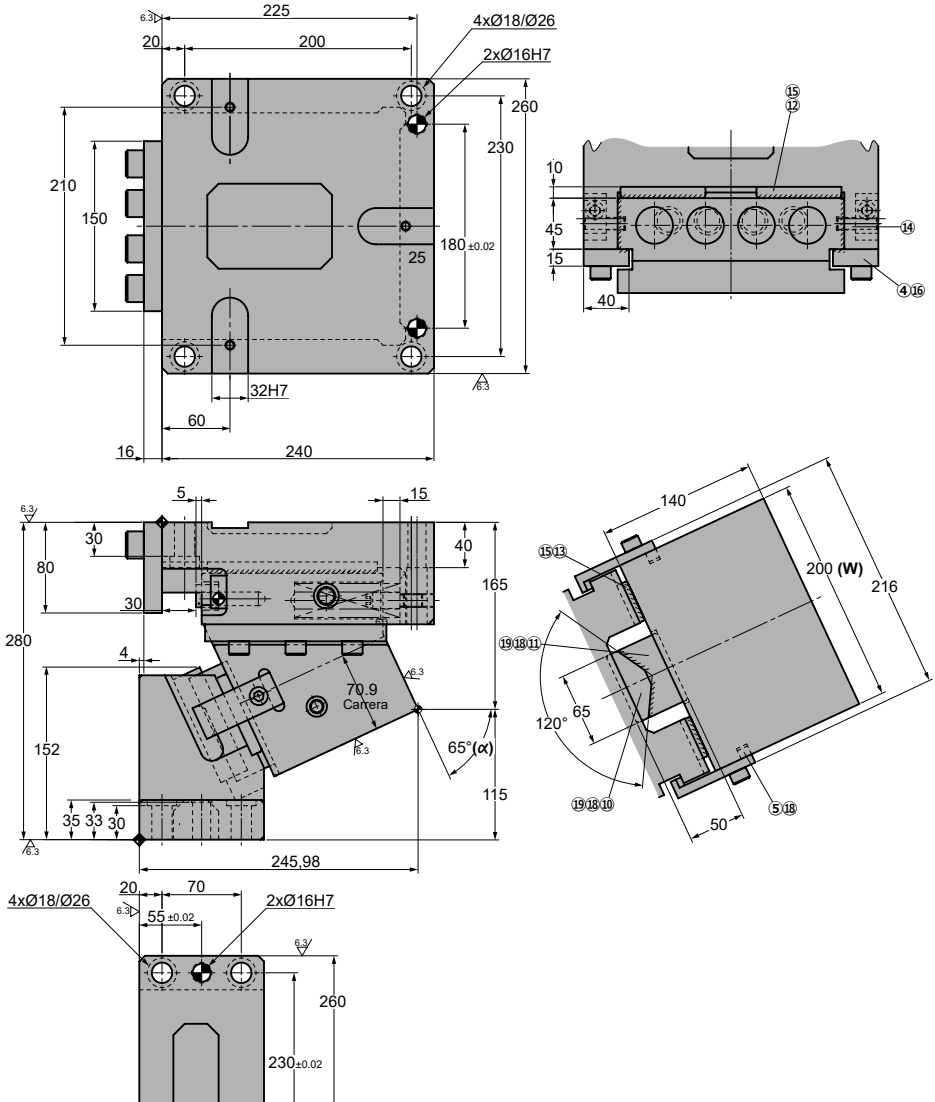
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

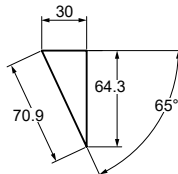
Aerial cam for pierce and flange

**AZOL
GAS**

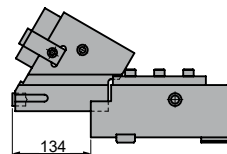
ABKL 0200 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
70.9	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	65



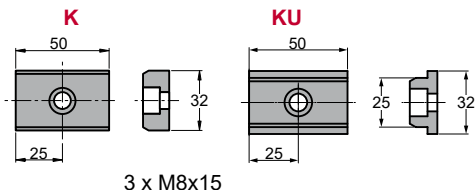
Order: Model (W) (α)

ABKL 0200 65

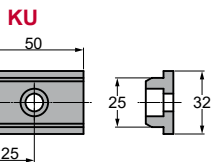
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



Order Options: Model (W) (α)-Option



ABKL 0200 65-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

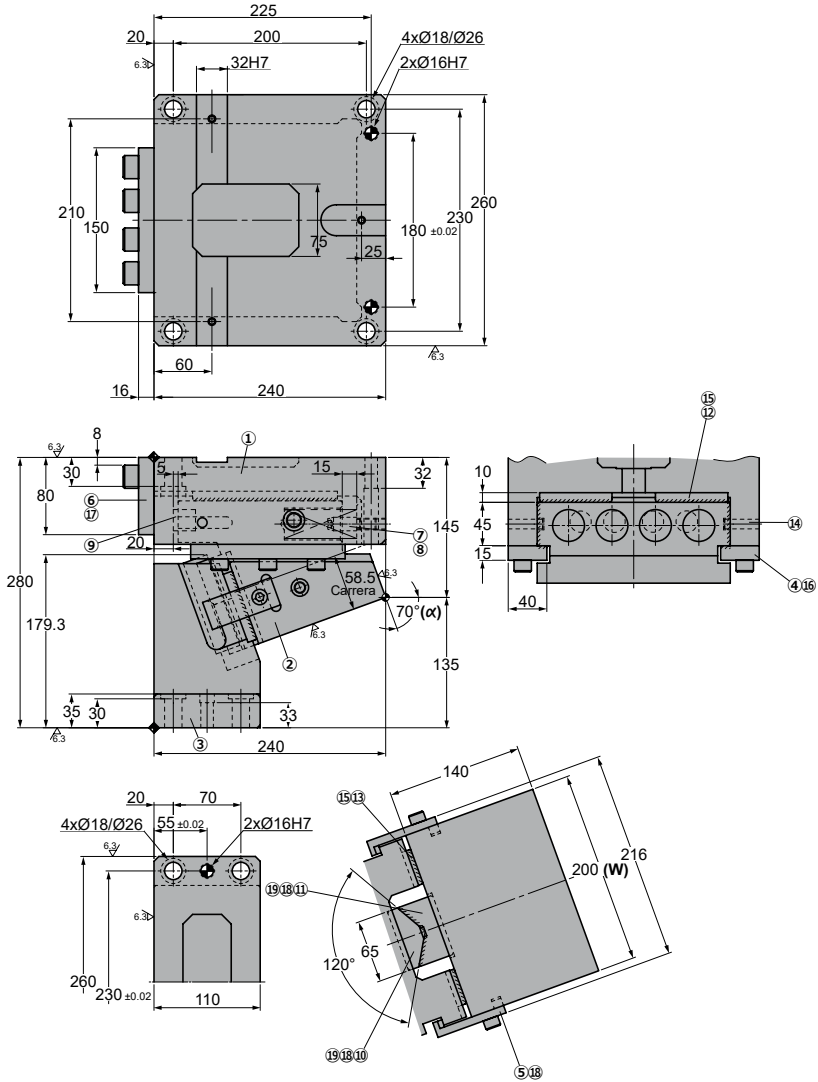
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

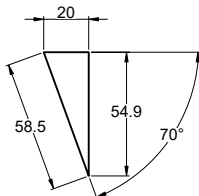
Aerial cam for pierce and flange

**AZOL
GAS** 

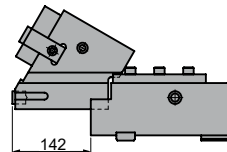
ABKL 0200 70



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁			
58.5	93.1 (9.5)	186.2 (19.0)	1096.6 (111.8)	5483.0 (559.1)	ABKL	0200	70



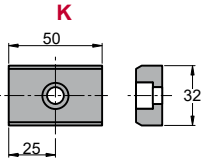
Order: Model (W) (α)

ABKL 0200 70

Standard order example according to catalog sheet.
Add options applying options table contents.

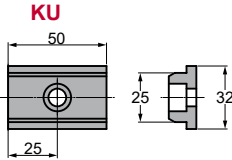
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



ABKL 0200 70-K



SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-100
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200



Aerial cam for pierce and flange

General information



AWBC 0200
AWBC 0300



AWBC 0400



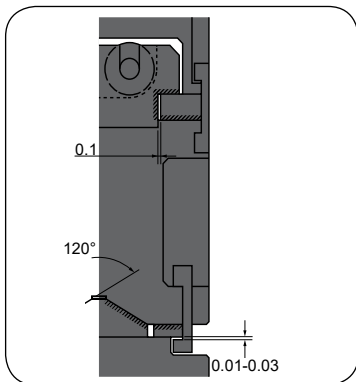
AWBC 0500



AWBC 0600

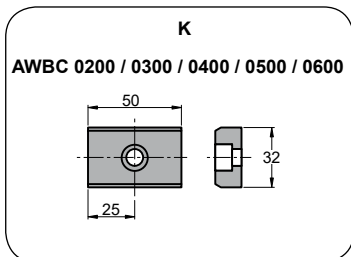
- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Slider easy desassembly from the rear.

Adjustment clearances



AWBC 0200
AWBC 0300
AWBC 0400
AWBC 0500
AWBC 0600

Keys



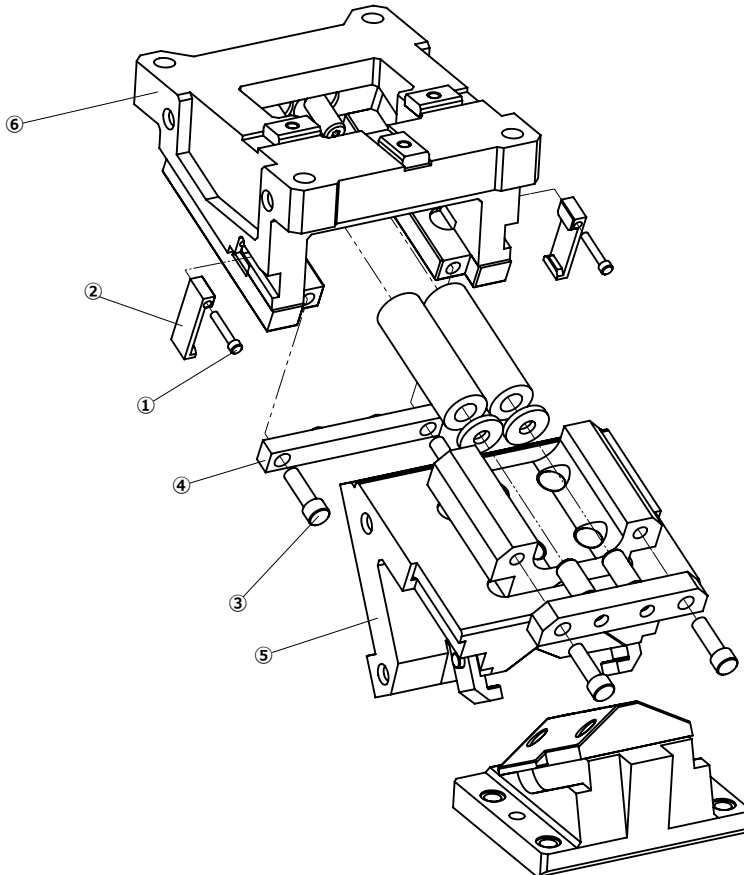
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove extraction plates ②.
- Unscrew ③ and remove stopper plate ④.
- Push cam slider ⑤ and remove cam support ⑥.

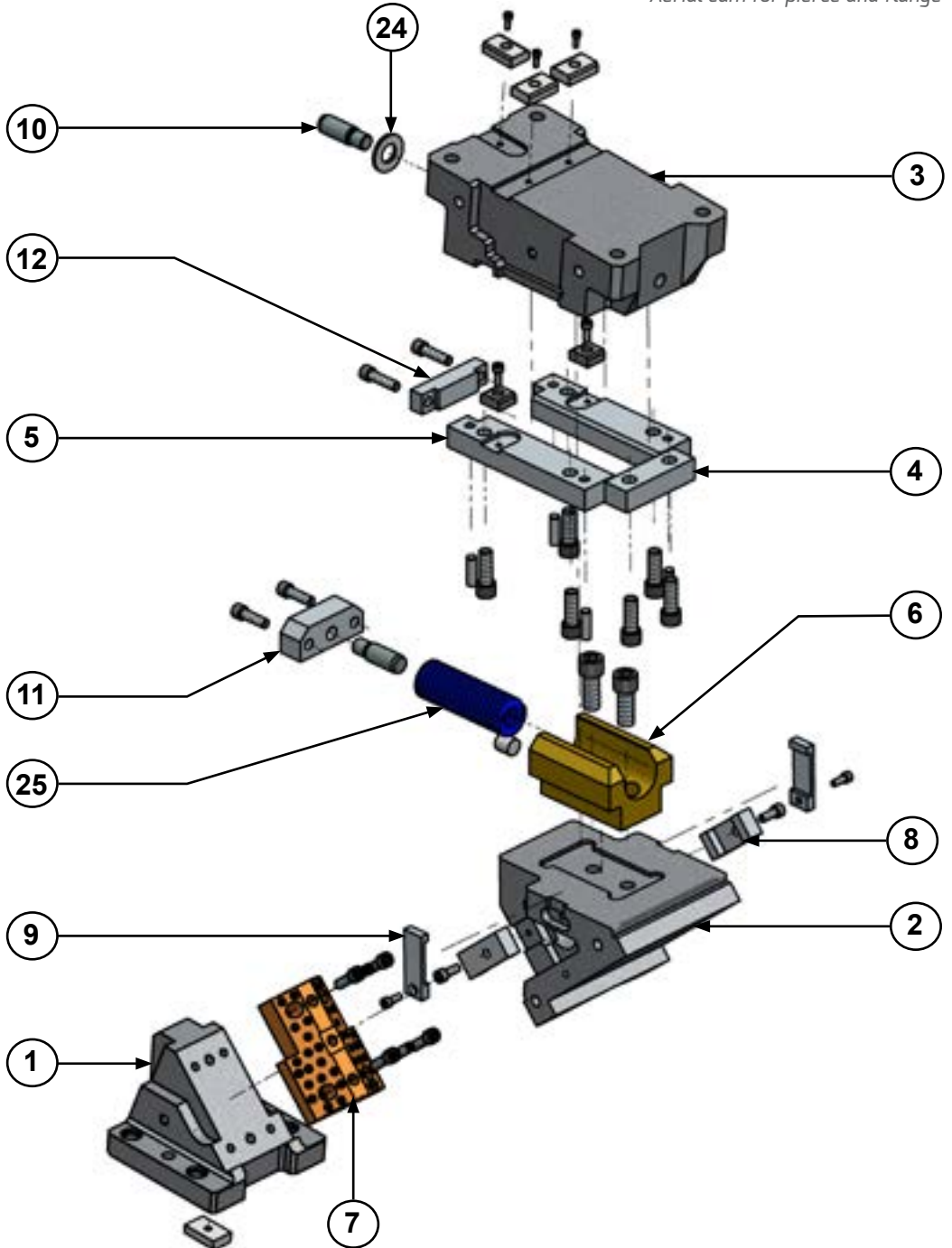
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AWBC 0200

Aerial cam for pierce and flange

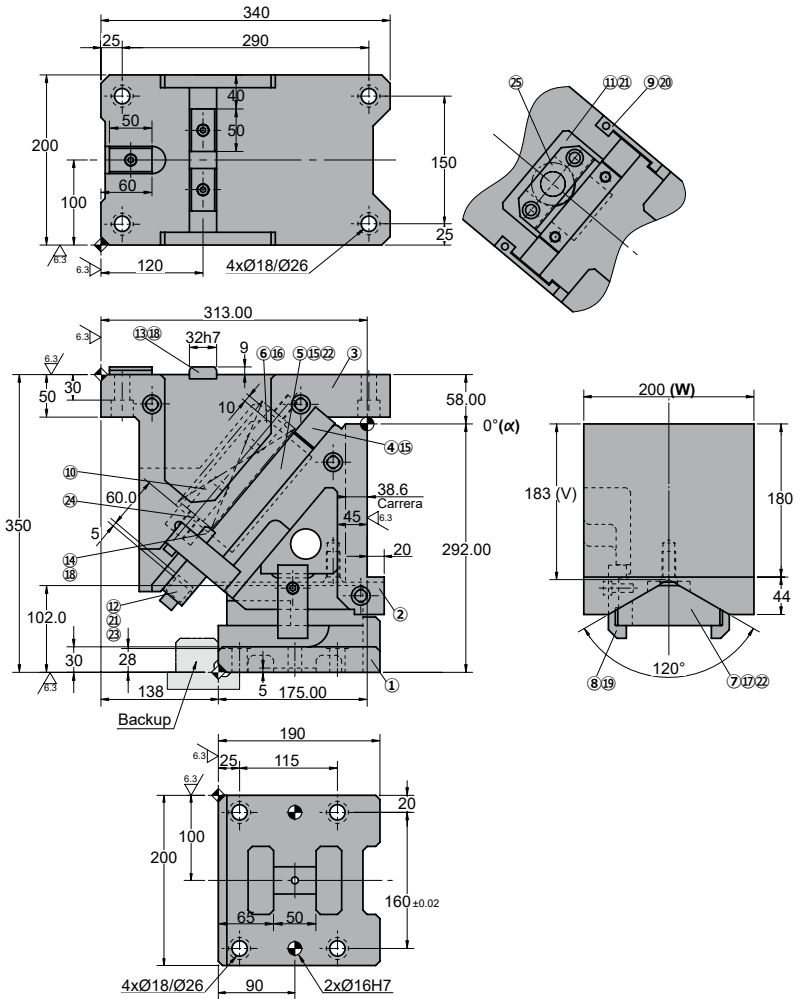


AWBC 0200

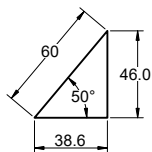
Aerial cam for pierce and flange



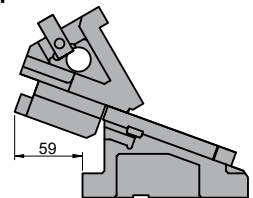
AWBC 0200 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	95.0	AWBC	0200	00
			---	6729.7 (686.2)				



Order: **Model (W) (α)**

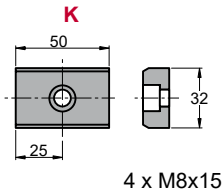
AWBC 0200 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

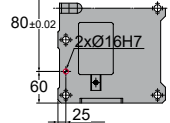
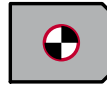
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: **Model (W) (α)-Option**



AWBC 0200 00-K

AWBC 0200 00-G-P16

AWBC 0200 00-G-P16-K

AWBC 0200 00-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

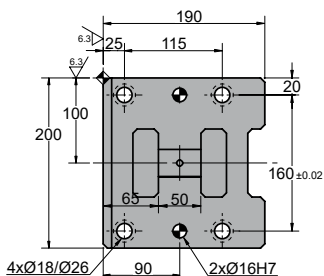
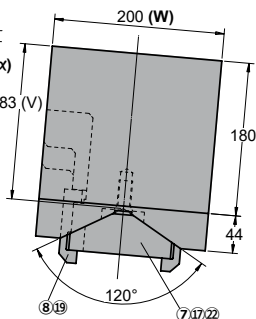
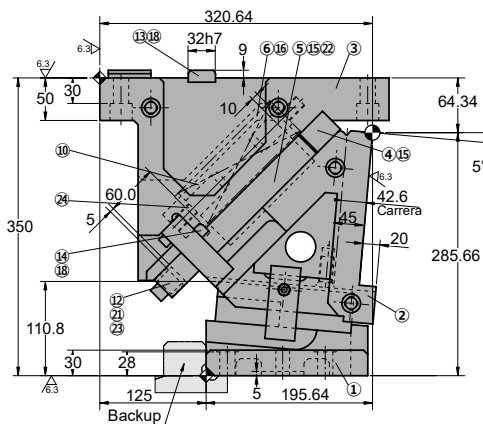
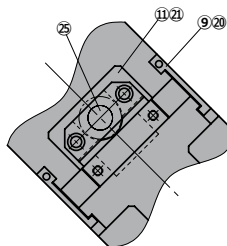
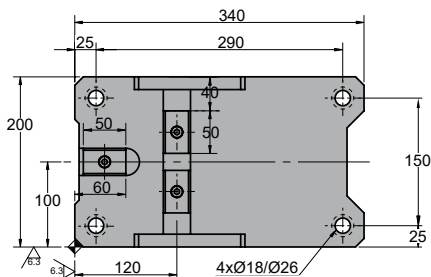
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

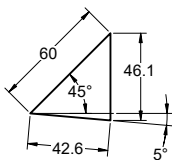
Aerial cam for pierce and flange



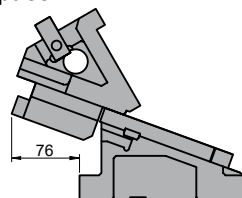
AWBC 0200 05





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	0200	05
			 ---	 6729.7 (686.2)				



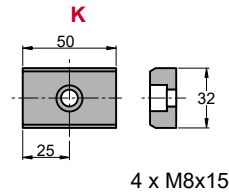
Order: Model (W) (α)
AWBC 0200 05

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

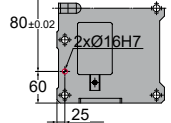
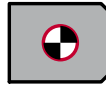
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



- AWBC 0200 05-K**
- AWBC 0200 05-G-P16**
- AWBC 0200 05-G-P16-K**
- AWBC 0200 05-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

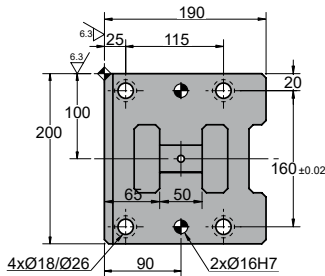
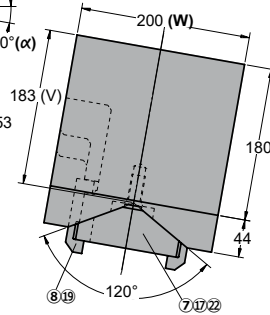
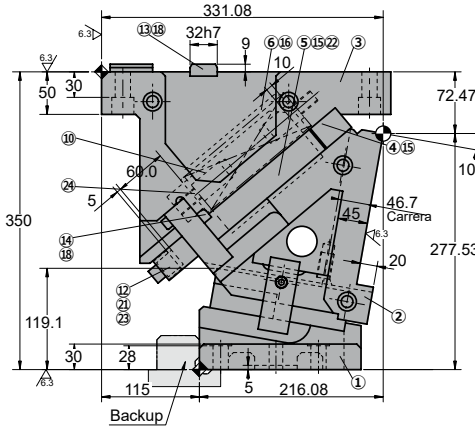
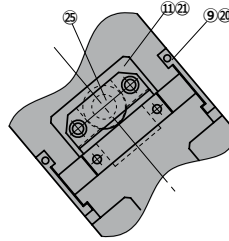
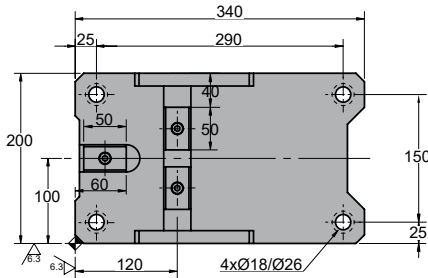
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

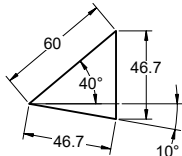
Aerial cam for pierce and flange



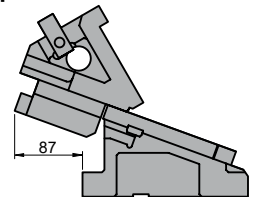
AWBC 0200 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.6	AWBC	0200	10
			---	6729.7 (686.2)				



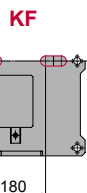
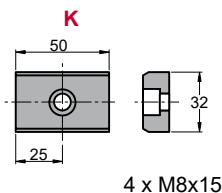
Order: **Model (W) (α)**
AWBC 0200 10

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

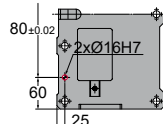
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0200 10-K

AWBC 0200 10-G-P16

AWBC 0200 10-G-P16-K

AWBC 0200 10-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

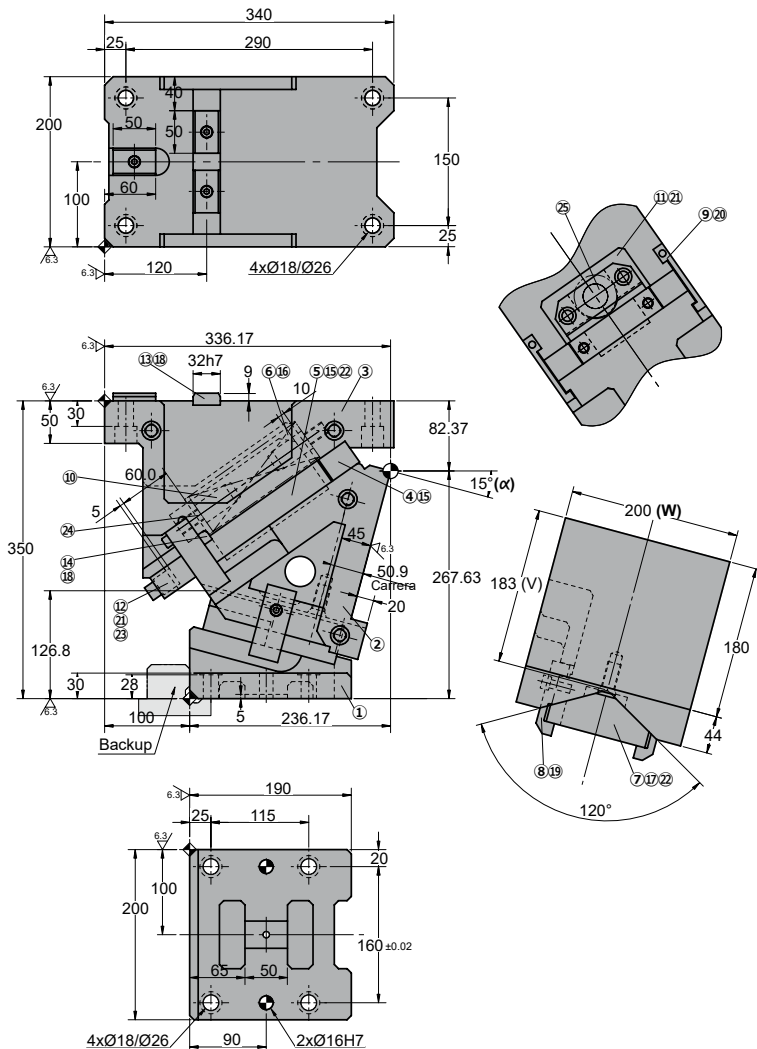
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

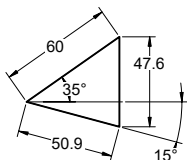
Aerial cam for pierce and flange



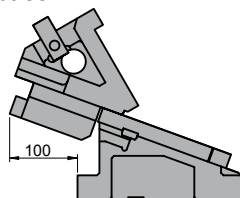
AWBC 0200 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
50.9	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	93.3	AWBC	0200	15
			---	6729.7 (686.2)				



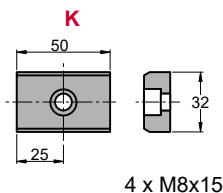
Order: **Model (W) (α)**
AWBC 0200 15

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

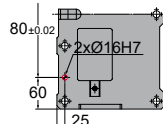
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0200 15-K

AWBC 0200 15-G-P16

AWBC 0200 15-G-P16-K

AWBC 0200 15-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

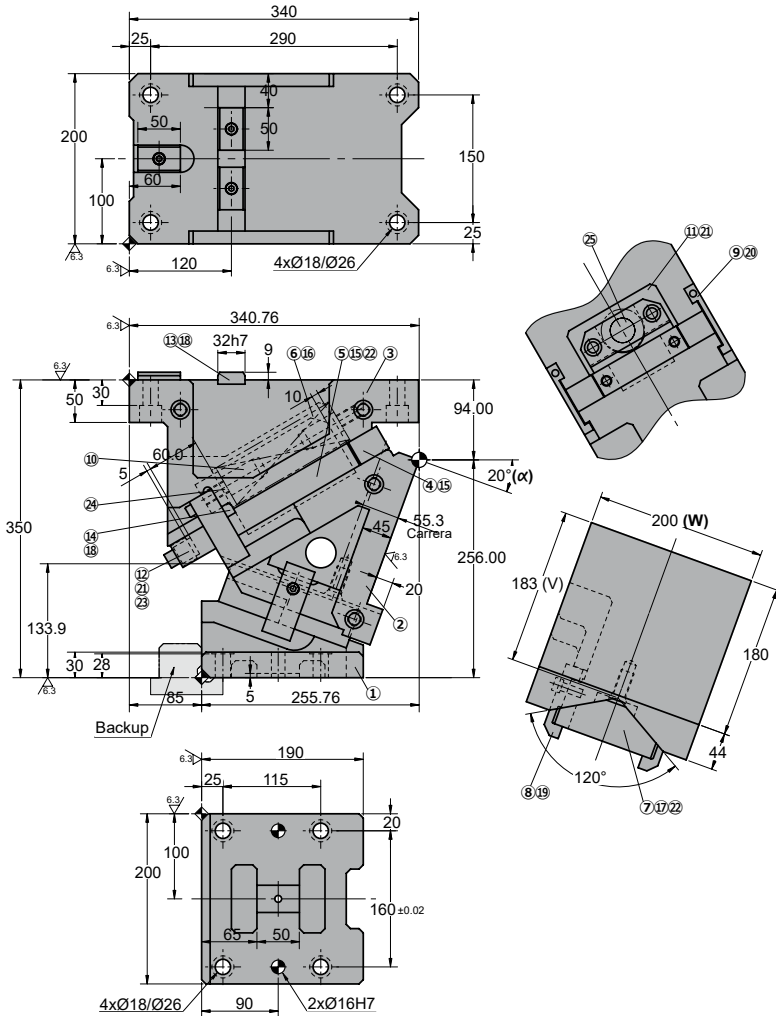
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

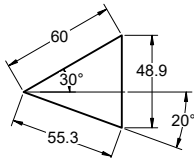
Aerial cam for pierce and flange

**AZOL
GAS** 

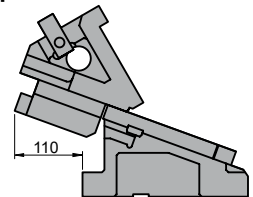
AWBC 0200 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55.3	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	92.7	AWBC	0200	20
			---	6729.7 (686.2)				



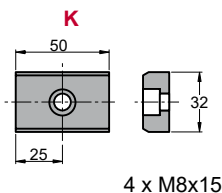
Order: **Model (W) (α)**
AWBC 0200 20

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

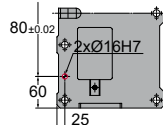
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0200 20-K

AWBC 0200 20-G-P16

AWBC 0200 20-G-P16-K

AWBC 0200 20-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

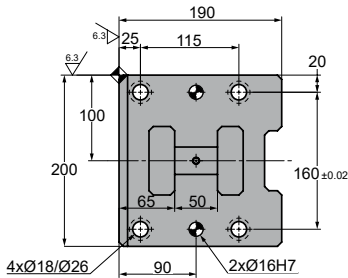
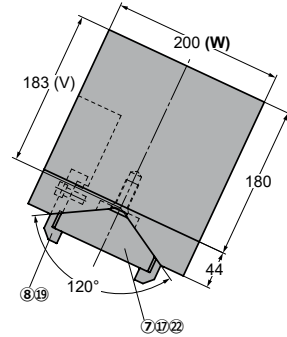
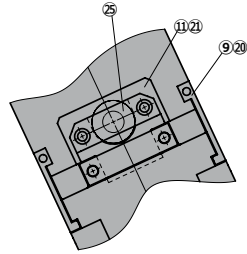
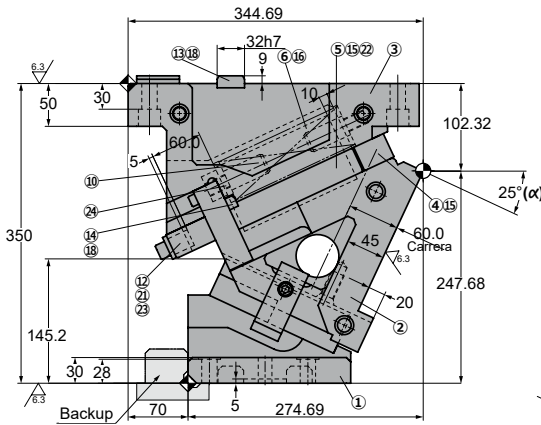
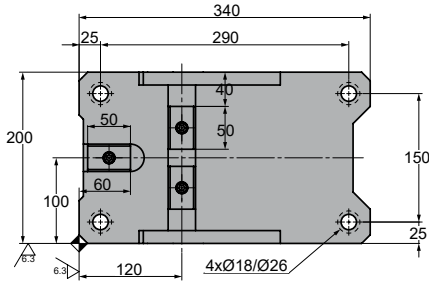
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

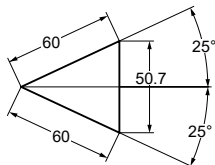
Aerial cam for pierce and flange



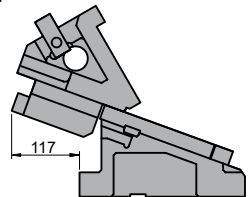
AWBC 0200 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	200	25
			---	6729.7 (686.2)				



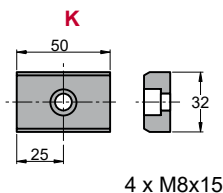
Order: **Model (W) (α)**
AWBC 0200 25

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

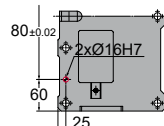
KEY



4 x M8x15

P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0200 25-K

AWBC 0200 25-G-P16

AWBC 0200 25-G-P16-K

AWBC 0200 25-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

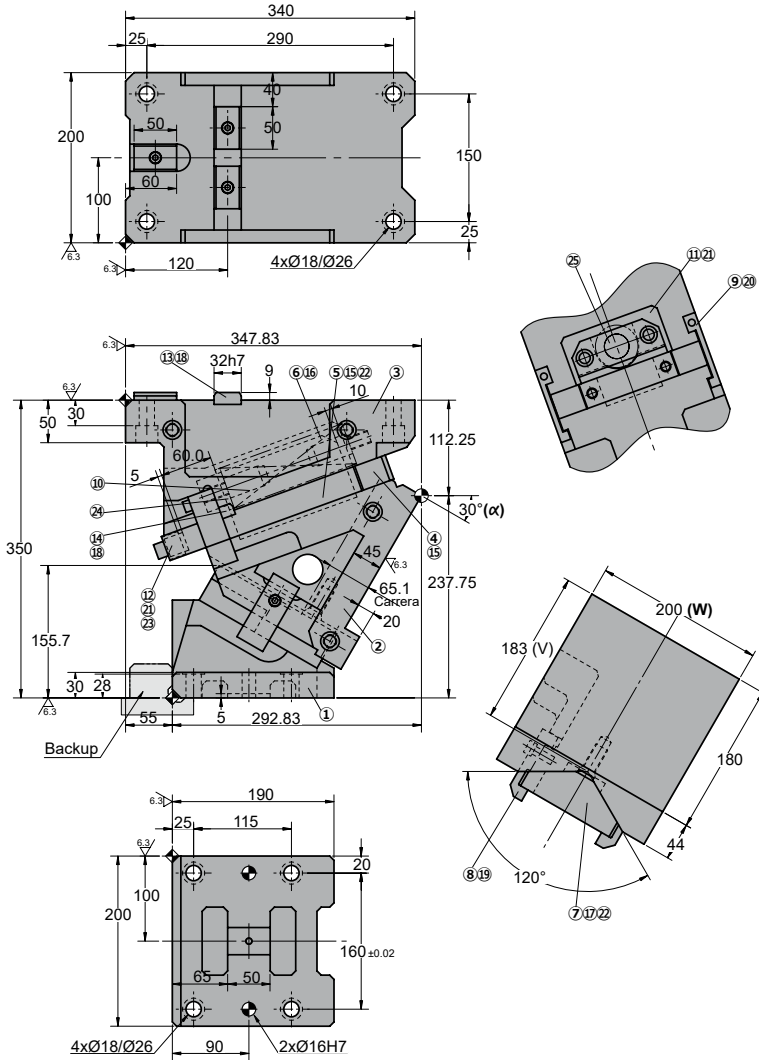
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

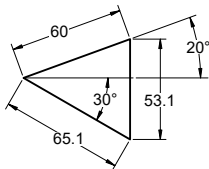
Aerial cam for pierce and flange

**AZOL
GAS** 

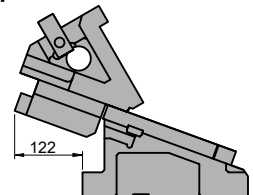
AWBC 0200 30





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
65.1	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	92.7	AWBC	0200	30
			 ---	 6729.7 (686.2)				



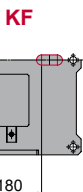
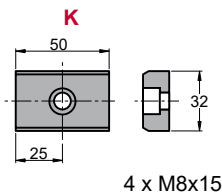
Order: Model (W) (α)
AWBC 0200 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

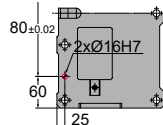
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



- AWBC 0200 30-K**
- AWBC 0200 30-G-P16**
- AWBC 0200 30-G-P16-K**
- AWBC 0200 30-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

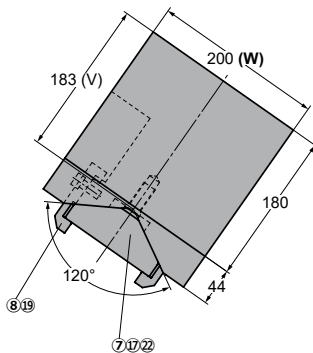
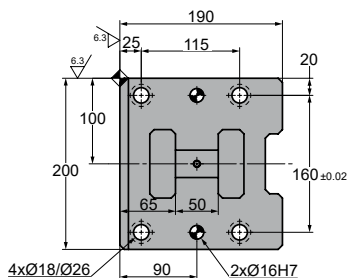
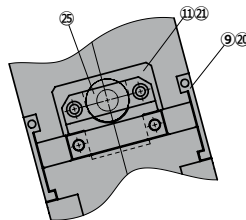
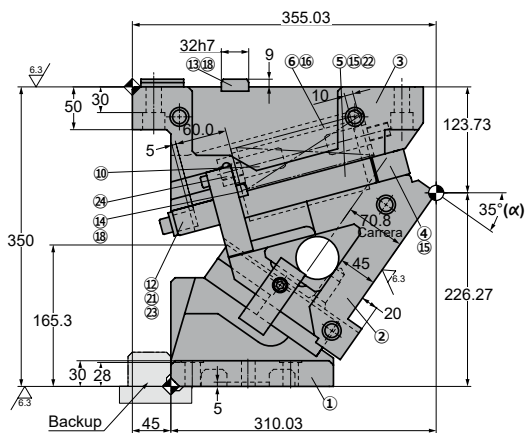
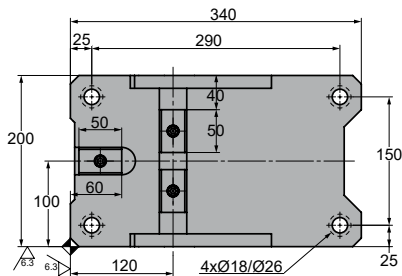
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

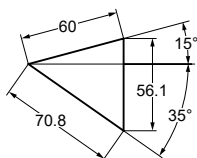
Aerial cam for pierce and flange



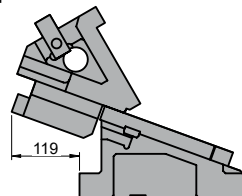
AWBC 0200 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.8	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	200	35
			---	6729.7 (686.2)				



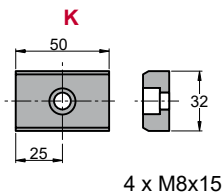
Order: **Model (W) (α)**
AWBC 0200 35

Standard order example according to catalog sheet.
 Add options applying options table contents.

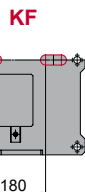
OPTIONS

K - KF

KEY

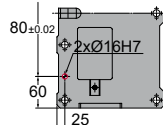


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0200 35-K

AWBC 0200 35-G-P16

AWBC 0200 35-G-P16-K

AWBC 0200 35-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

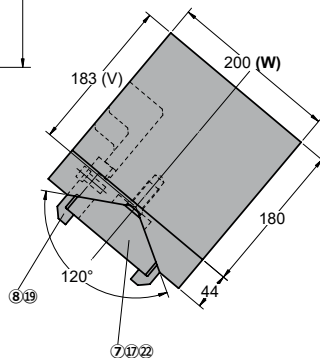
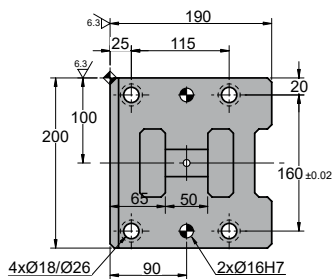
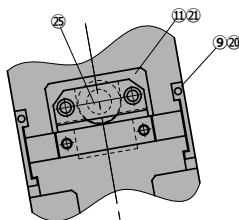
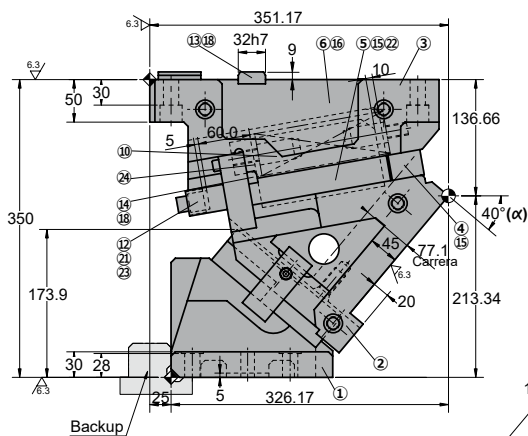
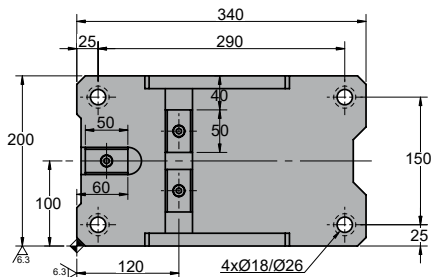
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

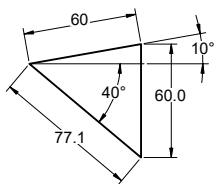
Aerial cam for pierce and flange



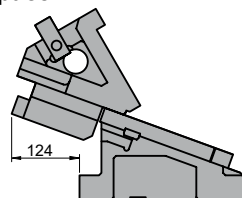
AWBC 0200 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.1	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.2	AWBC	0200	40
			---	6729.7 (686.2)				



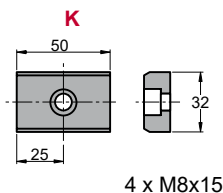
Order: **Model (W) (α)**
AWBC 0200 40

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

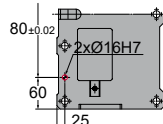
KEY



4 x M8x15

P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0200 40-K

AWBC 0200 40-G-P16

AWBC 0200 40-G-P16-K

AWBC 0200 40-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

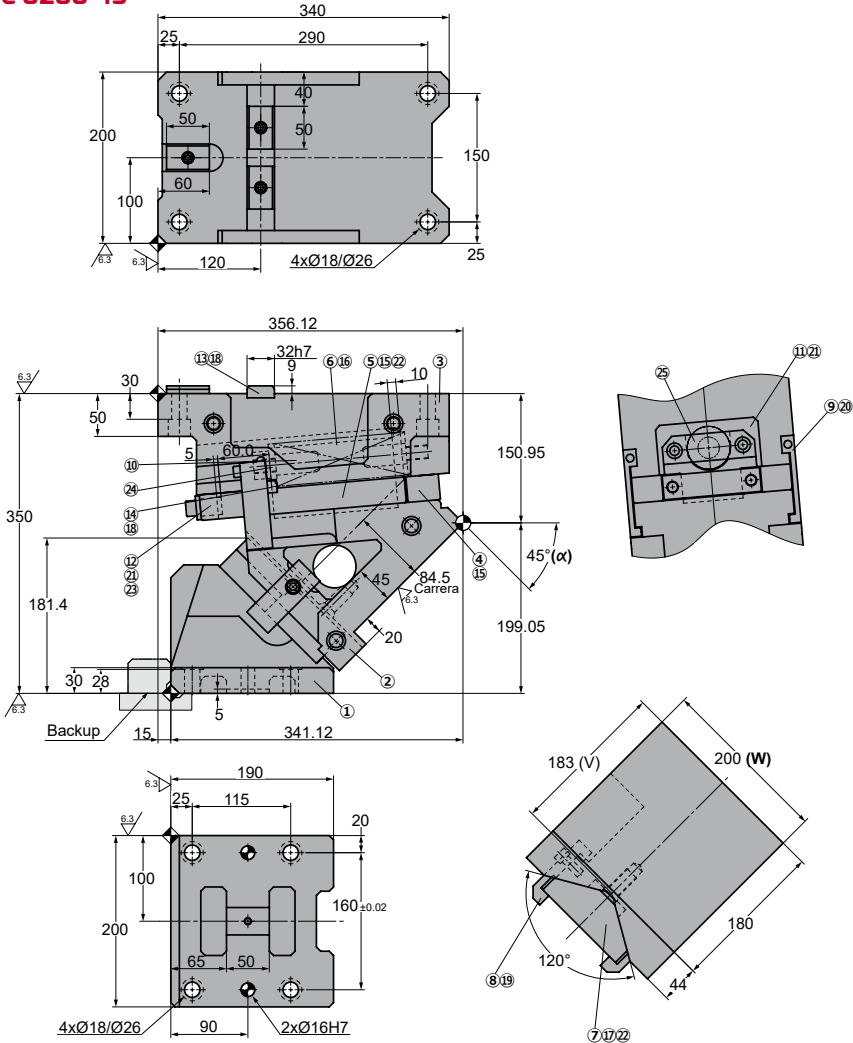
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

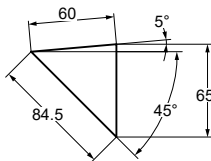
Aerial cam for pierce and flange



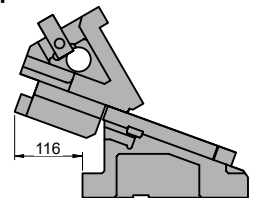
AWBC 0200 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
84.5	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	96.3	AWBC	200	45
			---	6729.7 (686.2)				



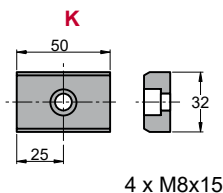
Order: **Model (W) (α)**
AWBC 0200 45

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

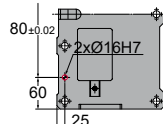
KEY



4 x M8x15

P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0200 45-K

AWBC 0200 45-G-P16

AWBC 0200 45-G-P16-K

AWBC 0200 45-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

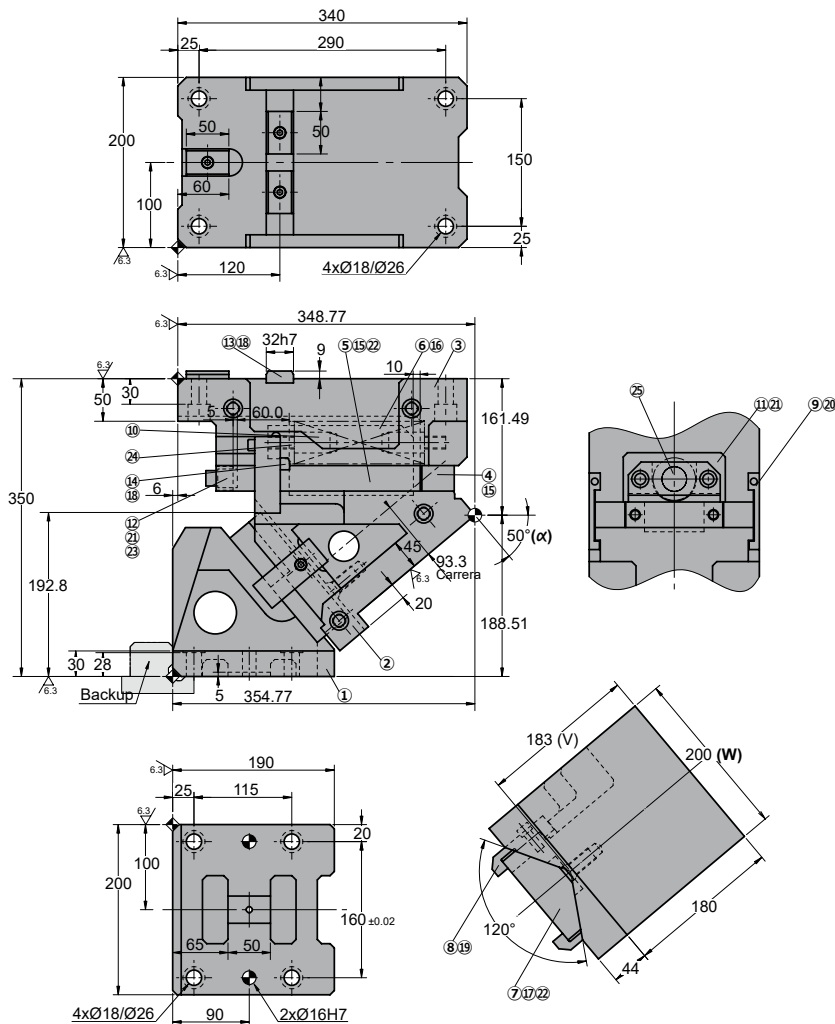
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

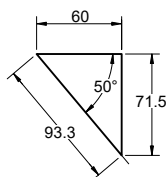
Aerial cam for pierce and flange

**AZOL
GAS** 

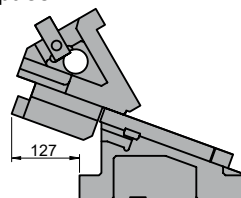
AWBC 0200 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
93.3	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	93.7	AWBC	0200	50
			---	6729.7 (686.2)				



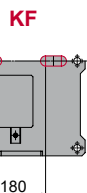
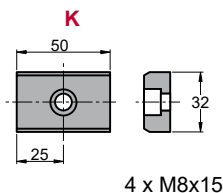
Order: **Model (W) (α)**
AWBC 0200 50

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

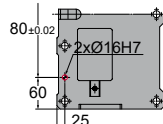
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0200 50-K

AWBC 0200 50-G-P16

AWBC 0200 50-G-P16-K

AWBC 0200 50-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

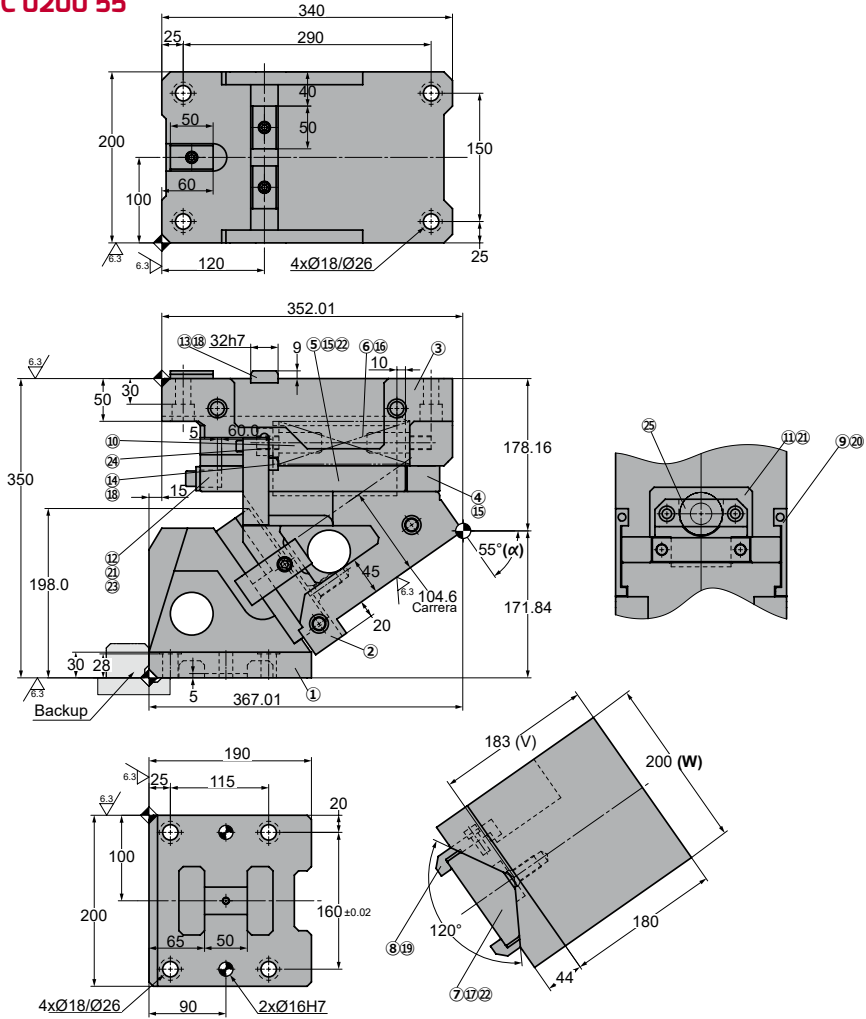
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

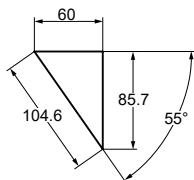
Aerial cam for pierce and flange



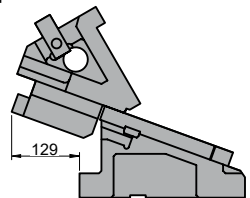
AWBC 0200 55





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
104.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	98.2	AWBC	200	55
			 ---	 6729.7 (686.2)				



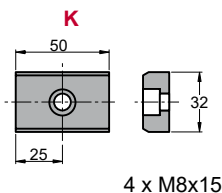
Order: Model (W) (α)
AWBC 0200 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

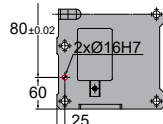
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



- AWBC 0200 55-K**
- AWBC 0200 55-G-P16**
- AWBC 0200 55-G-P16-K**
- AWBC 0200 55-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

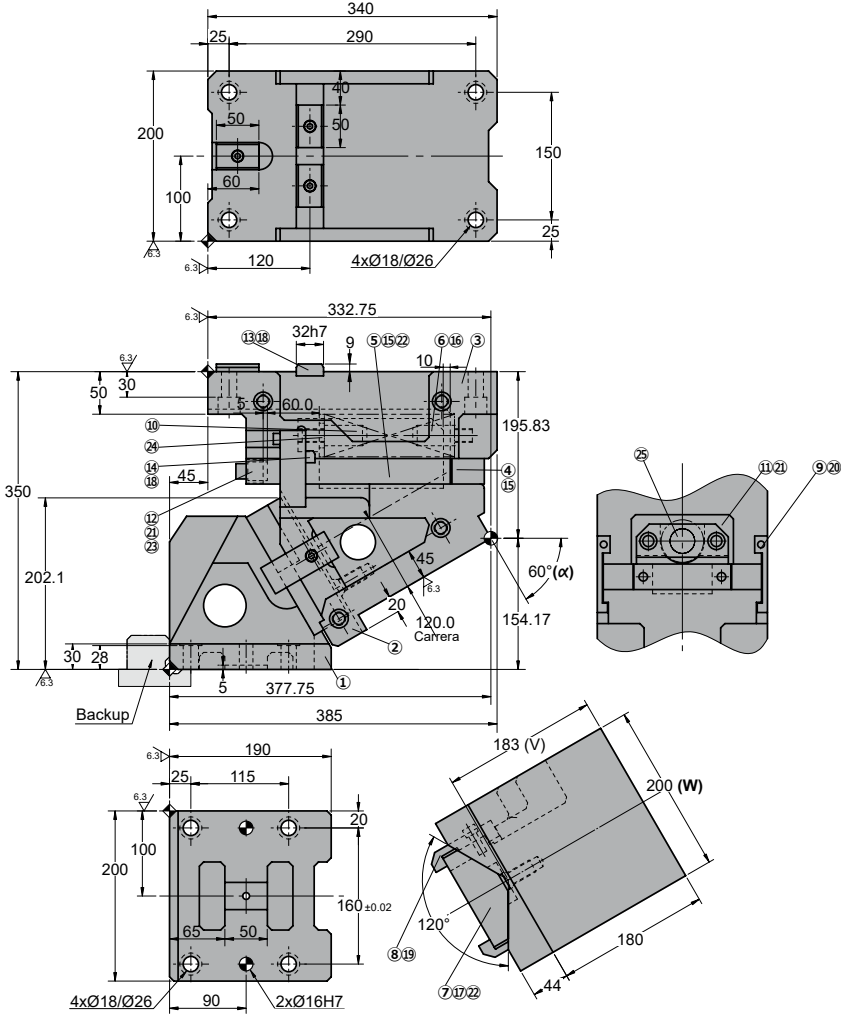
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

AWBC 0200

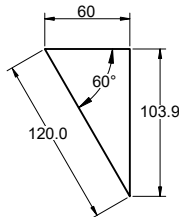
Aerial cam for pierce and flange



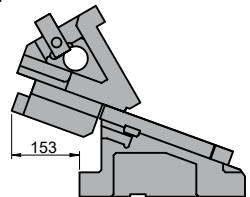
AWBC 0200 60





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
120.0	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	97.3	AWBC	0200	60
			 ---	 6729.7 (686.2)				



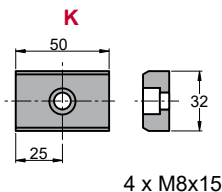
Order: Model (W) (α)
AWBC 0200 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

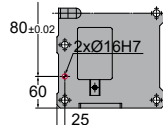
K - KF

KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



- AWBC 0200 60-K**
- AWBC 0200 60-G-P16**
- AWBC 0200 60-G-P16-K**
- AWBC 0200 60-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slide Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉖	Gas spring	1	FD 750 063 (87 Bar)

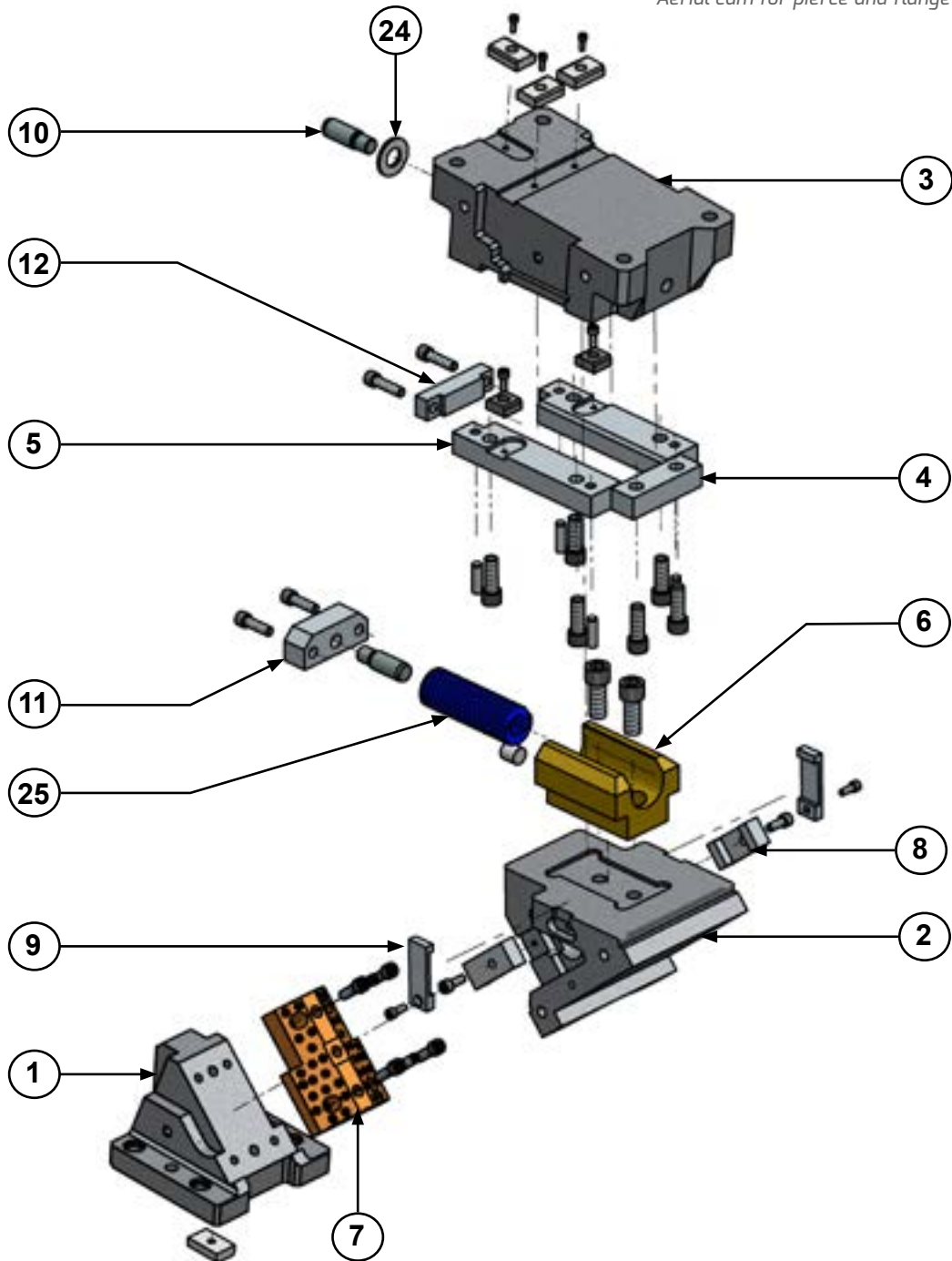
AWBC 0200

AZOL
GAS 

Aerial cam for pierce and flange

AWBC 0300

Aerial cam for pierce and flange

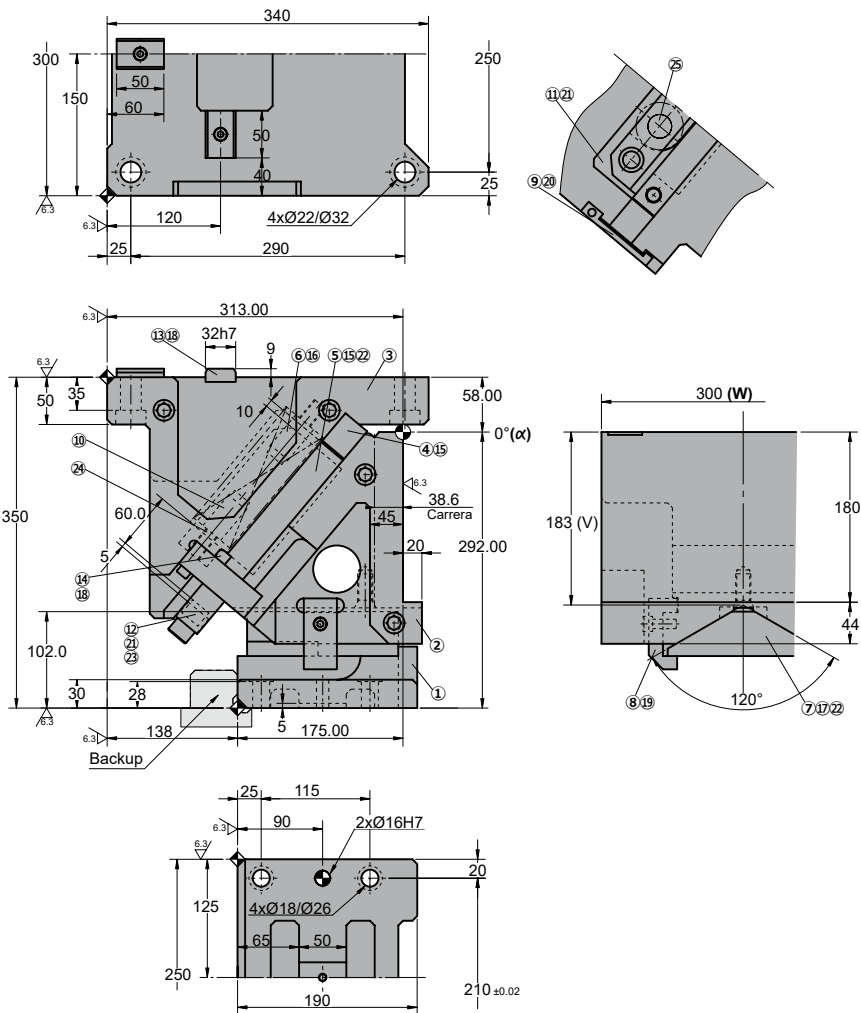


AWBC 0300

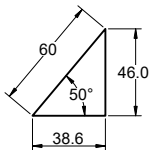
Aerial cam for pierce and flange



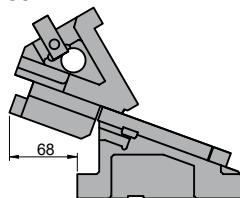
AWBC 0300 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	137.2	AWBC	0300	00
			---	13459.4 (1372.5)				

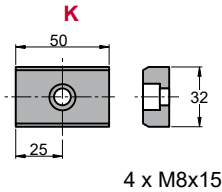


Order: Model (W) (α)
AWBC 0300 00

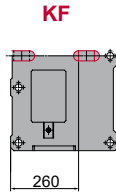
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

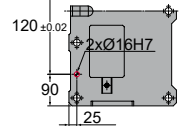
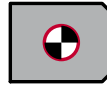


KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 00-K

AWBC 0300 00-G-P16

AWBC 0300 00-G-P16-K

AWBC 0300 00-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

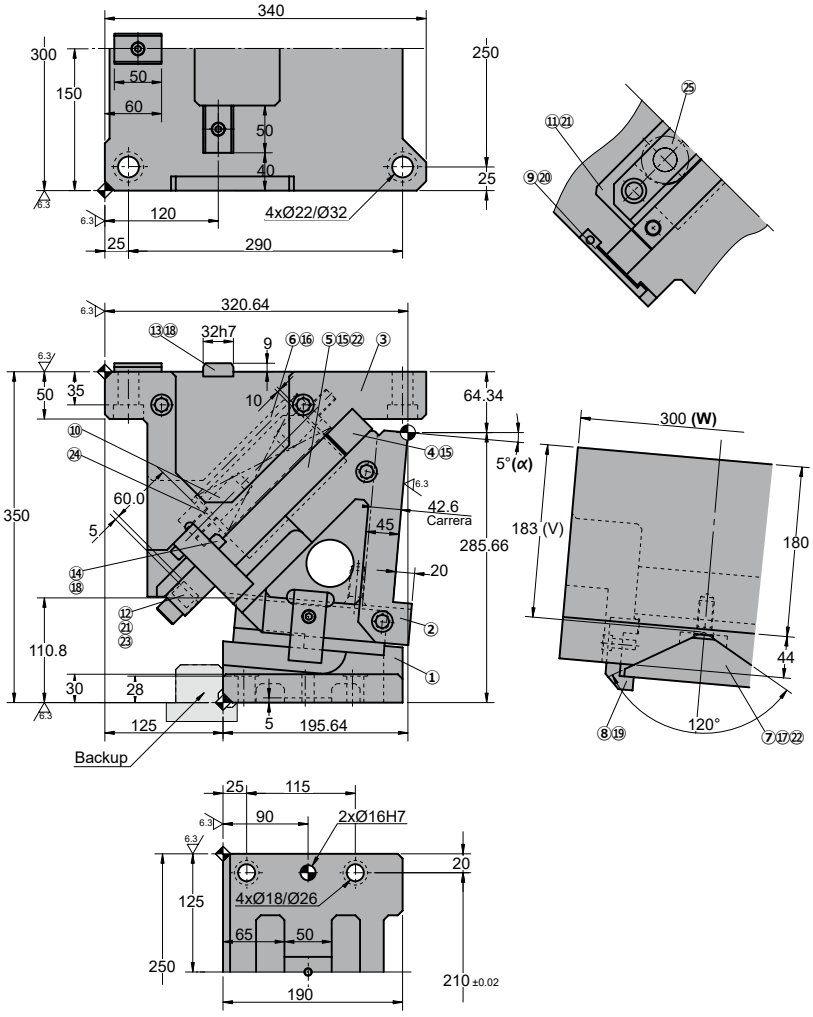
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

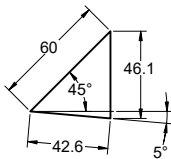
Aerial cam for pierce and flange



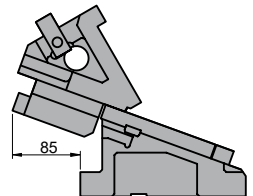
AWBC 0300 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	135.9	AWBC	0300	05
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 05

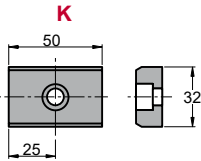
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

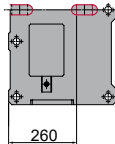
K - KF

KEY

KF

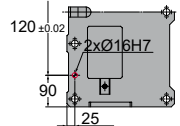


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 05-K

AWBC 0300 05-G-P16

AWBC 0300 05-G-P16-K

AWBC 0300 05-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

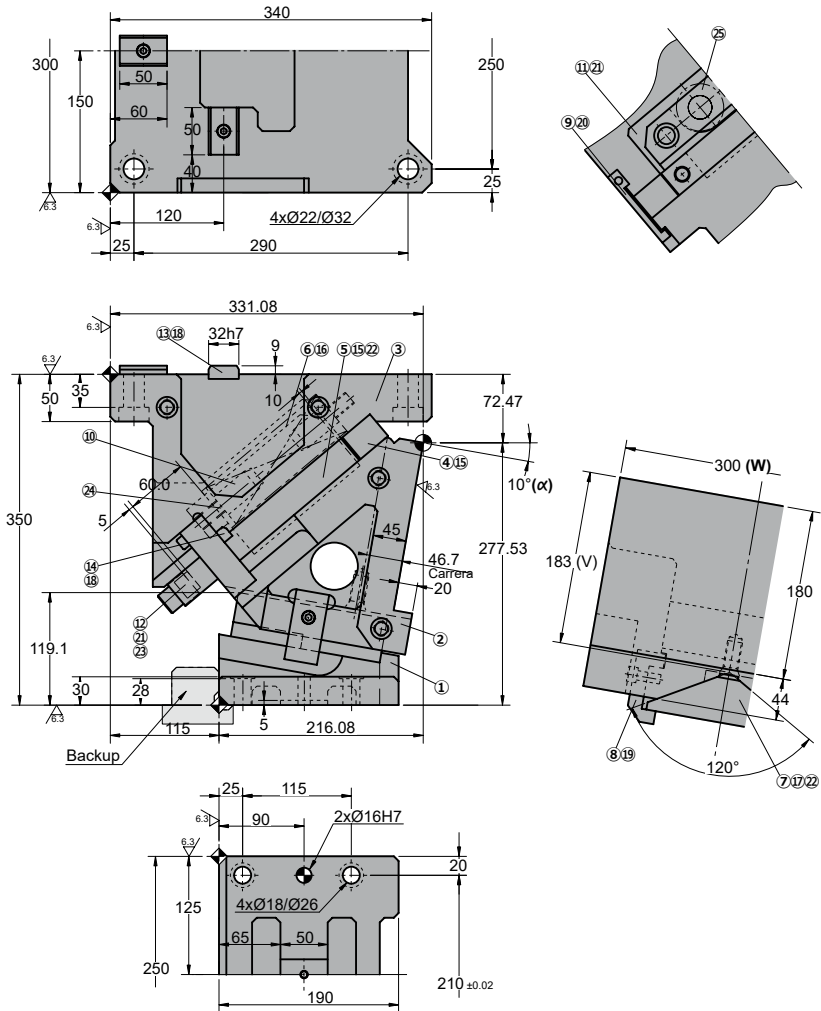
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

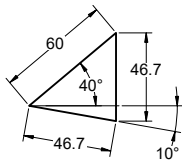
Aerial cam for pierce and flange

**AZOL
GAS** 

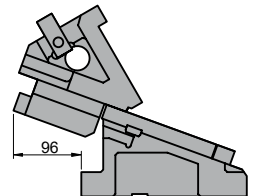
AWBC 0300 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	135.7	AWBC	0300	10
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 10

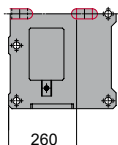
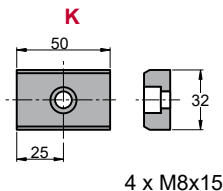
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

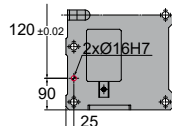
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 10-K

AWBC 0300 10-G-P16

AWBC 0300 10-G-P16-K

AWBC 0300 10-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

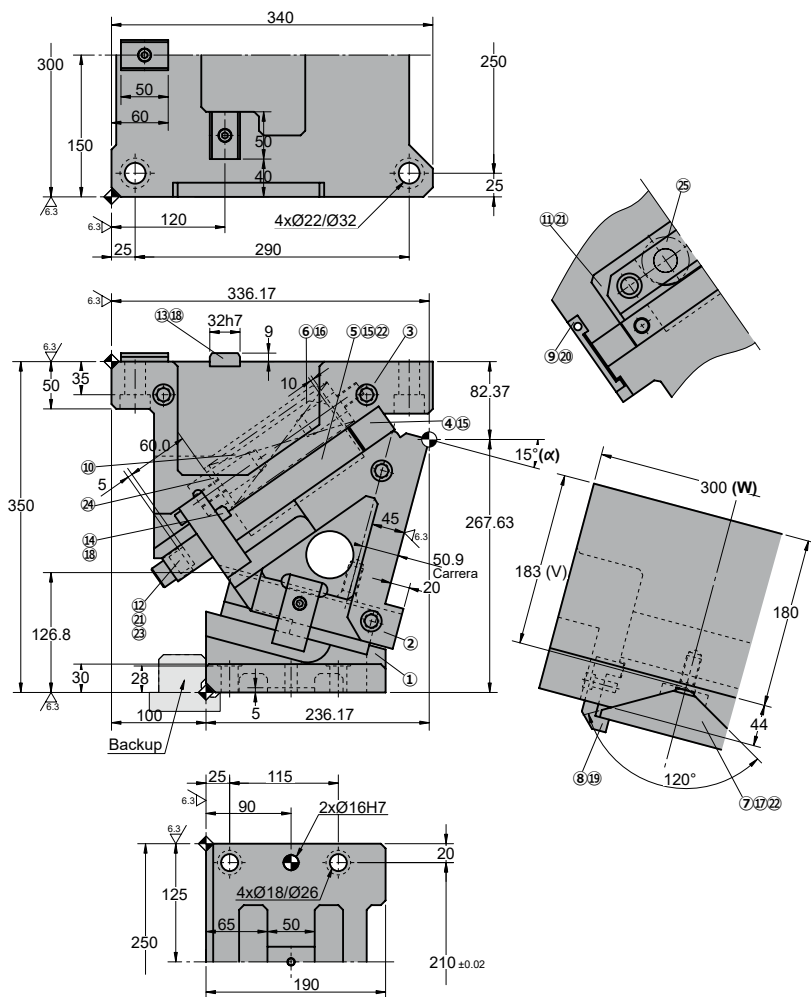
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

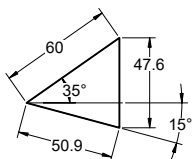
Aerial cam for pierce and flange



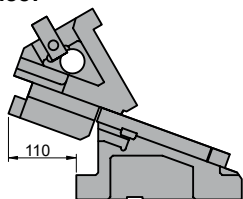
AWBC 0300 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
50.9	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.0	AWBC	0300	15
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 15

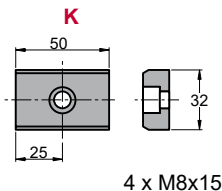
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

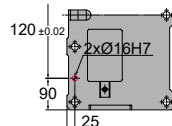
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0300 15-K

AWBC 0300 15-G-P16

AWBC 0300 15-G-P16-K

AWBC 0300 15-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

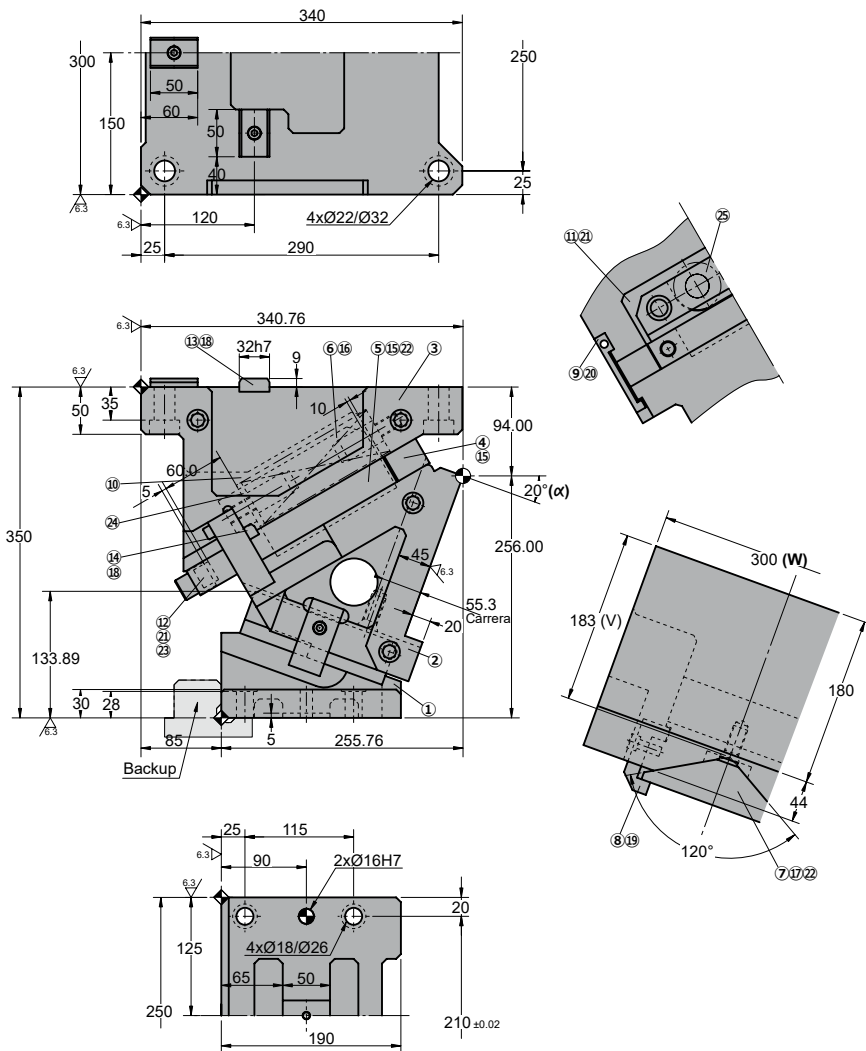
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

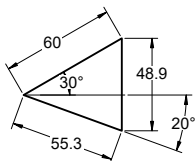
Aerial cam for pierce and flange



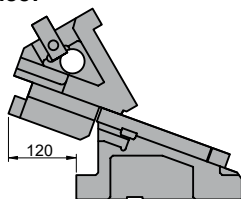
AWBC 0300 20





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55.3	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.5	AWBC	0300	20
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 20

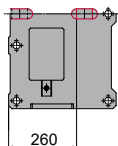
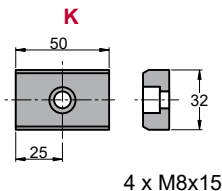
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

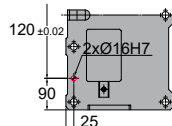
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 20-K

AWBC 0300 20-G-P16

AWBC 0300 20-G-P16-K

AWBC 0300 20-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

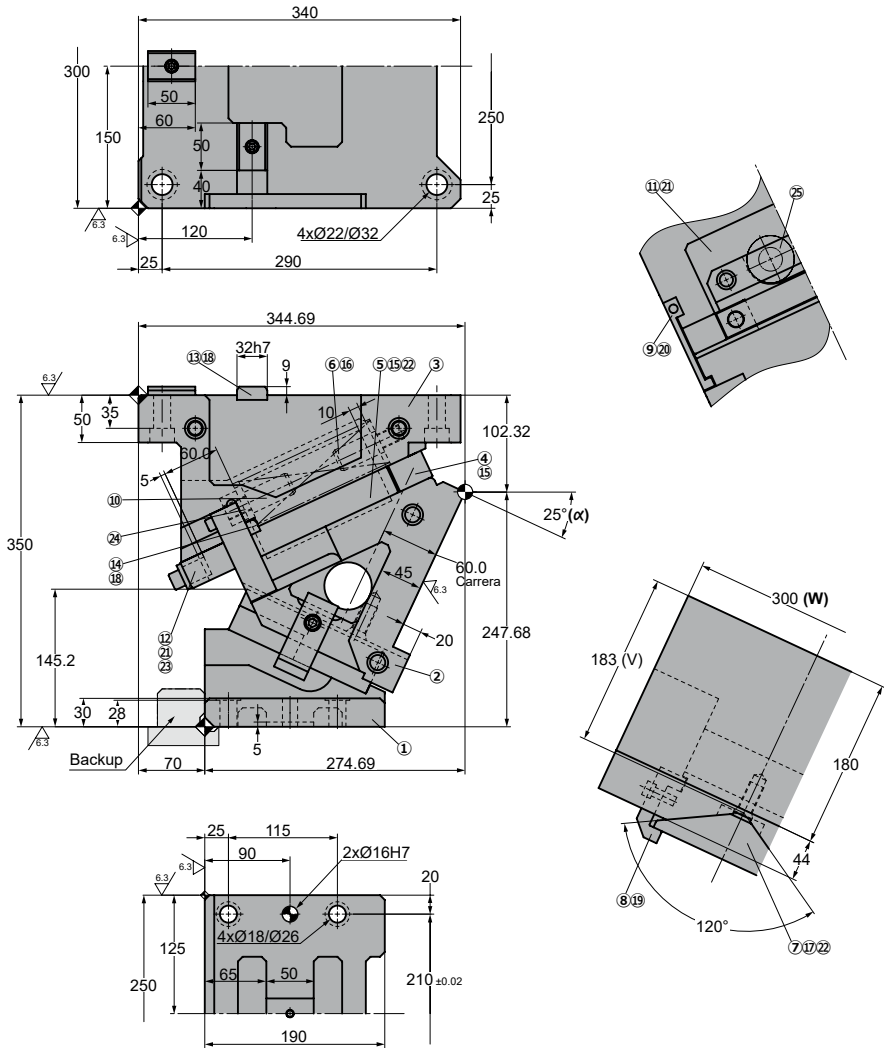
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

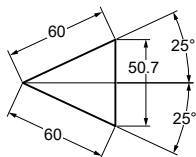
Aerial cam for pierce and flange

AZOL
GAS 

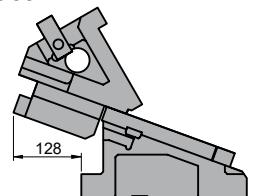
AWBC 0300 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.0	AWBC	0300	25
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 25

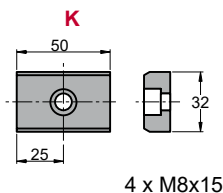
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

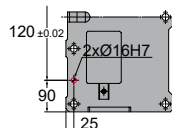
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 25-K

AWBC 0300 25-G-P16

AWBC 0300 25-G-P16-K

AWBC 0300 25-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

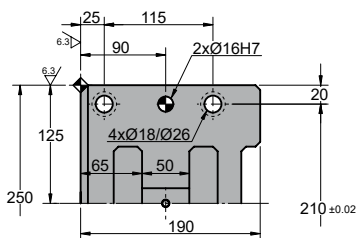
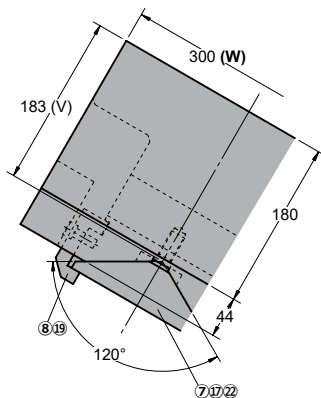
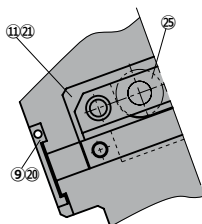
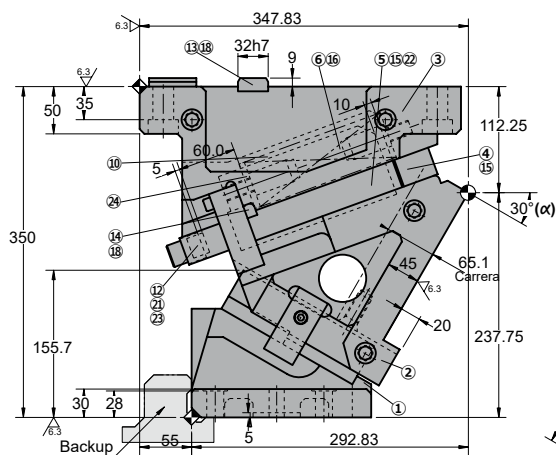
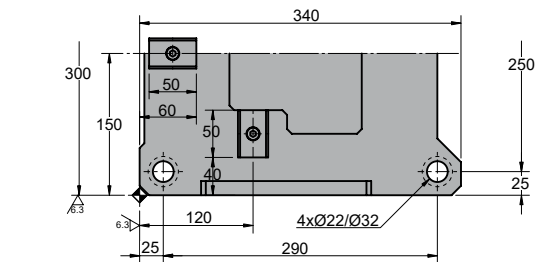
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

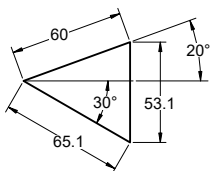
Aerial cam for pierce and flange



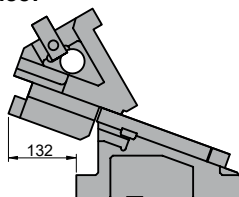
AWBC 0300 30



◦Cam diagram:





◦Desassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
65.1	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.0	AWBC	0300	30
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)
AWBC 0300 30

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

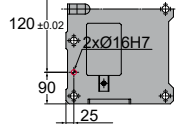
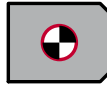
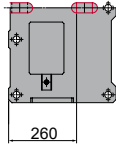
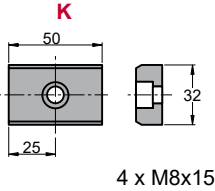
K - KF

KEY

KF

P PINS

P16 - Ø16 H7.



GAS SPRING

G Gas spring included in the cam

Order Options: Model (W) (α)-Option



- AWBC 0300 30-K**
- AWBC 0300 30-G-P16**
- AWBC 0300 30-G-P16-K**
- AWBC 0300 30-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

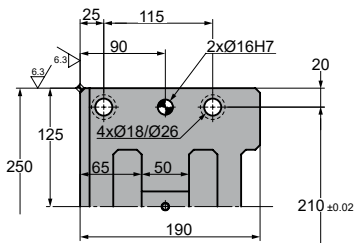
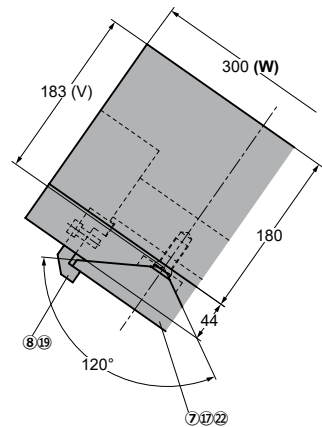
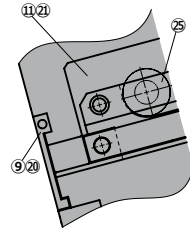
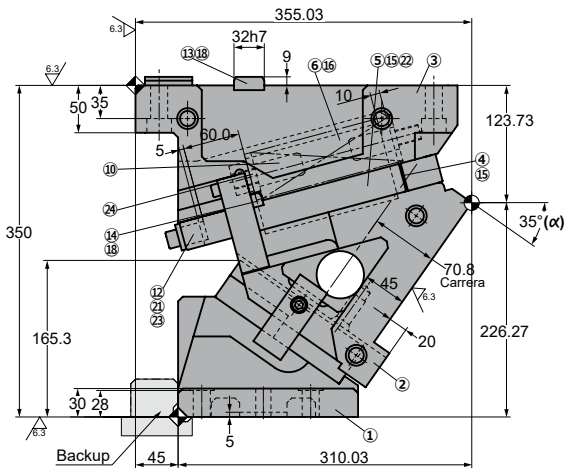
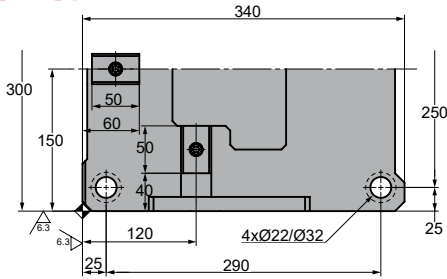
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

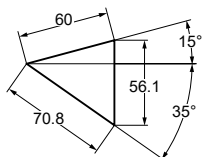
Aerial cam for pierce and flange

**AZOL
GAS** 

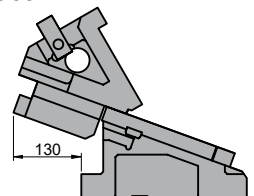
AWBC 0300 35





Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.8	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.8	AWBC	0300	35
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 35

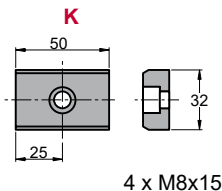
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

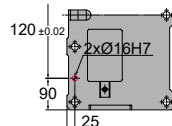
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 35-K

AWBC 0300 35-G-P16

AWBC 0300 35-G-P16-K

AWBC 0300 35-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

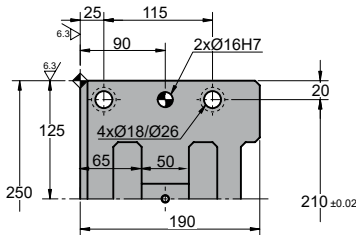
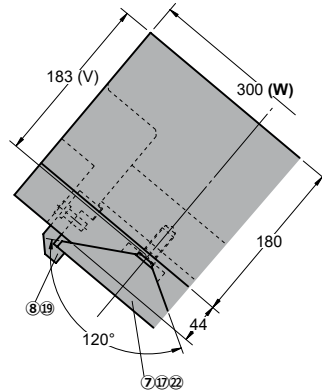
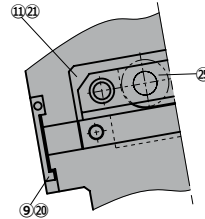
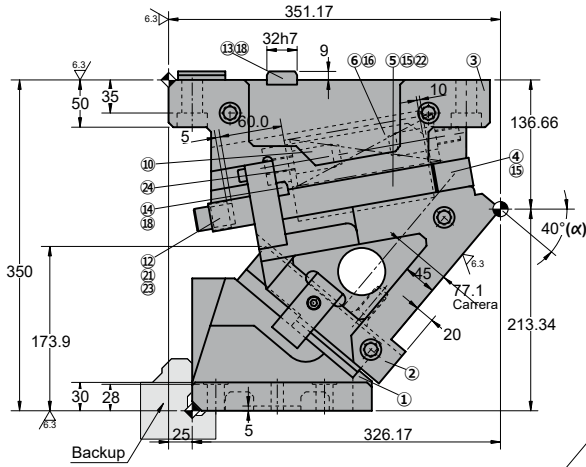
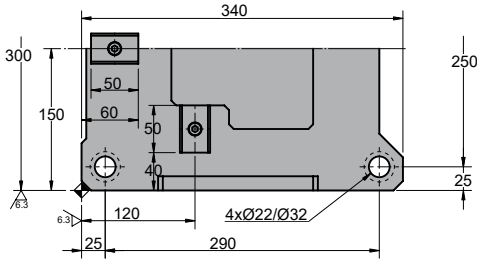
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

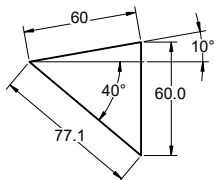
Aerial cam for pierce and flange



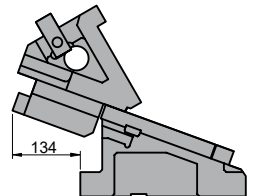
AWBC 0300 40



Cam diagram:





Desassembling space:





AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.1	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.3	AWBC	0300	40
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

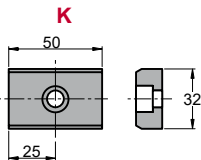
K - KF

KEY

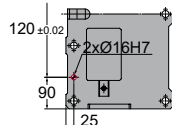
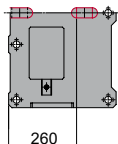
KF

P PINS

P16 - Ø16 H7.



4 x M8x15



G

GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0300 40-K

AWBC 0300 40-G-P16

AWBC 0300 40-G-P16-K

AWBC 0300 40-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

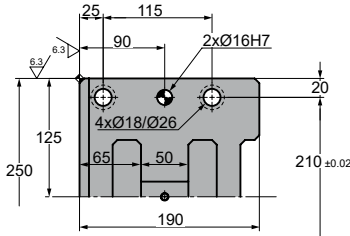
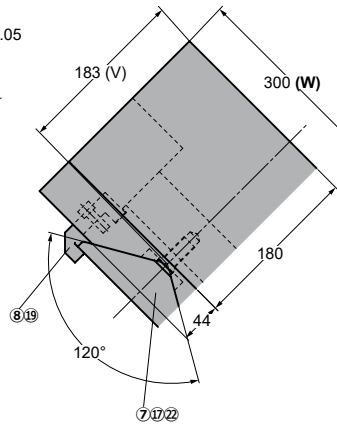
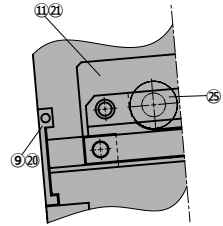
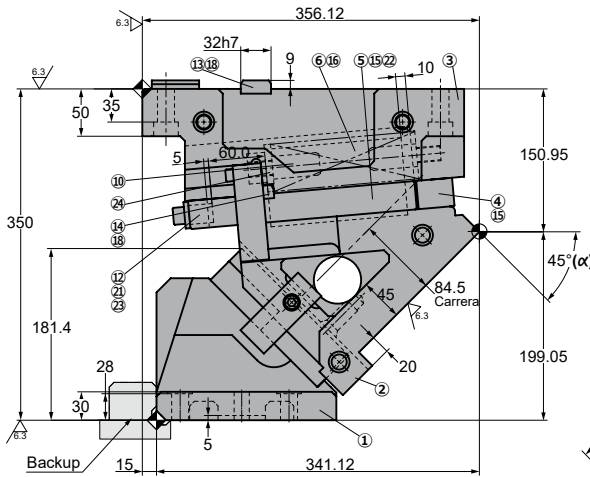
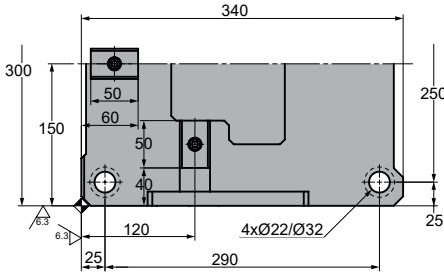
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

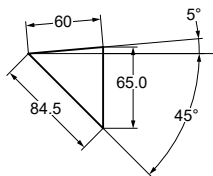
Aerial cam for pierce and flange



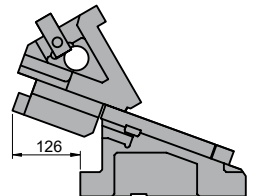
AWBC 0300 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
84.5	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	134.8	AWBC	0300	45
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 45

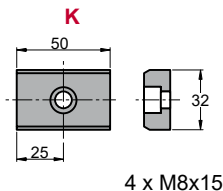
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

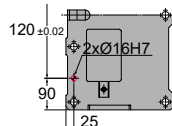
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0300 45-K

AWBC 0300 45-G-P16

AWBC 0300 45-G-P16-K

AWBC 0300 45-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

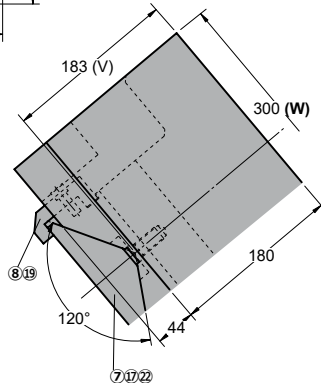
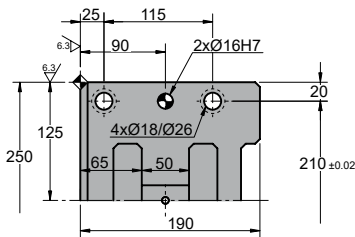
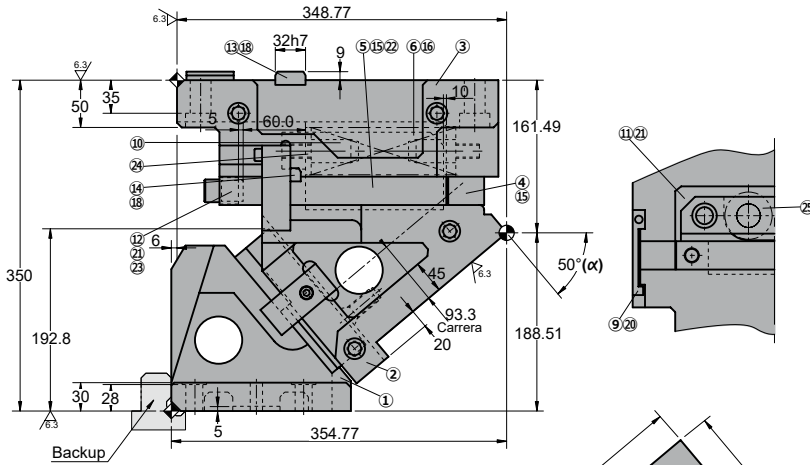
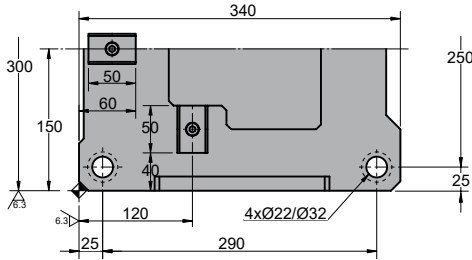
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

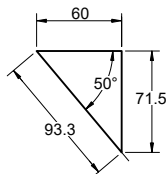
Aerial cam for pierce and flange



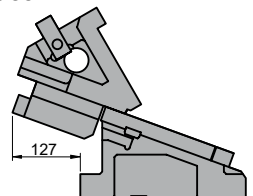
AWBC 0300 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
93.3	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	130.9	AWBC	0300	50
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 50

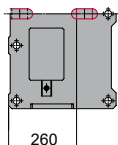
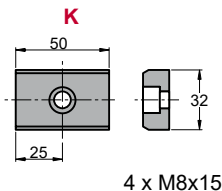
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

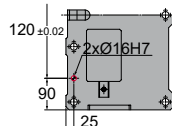
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



AWBC 0300 50-K

AWBC 0300 50-G-P16

AWBC 0300 50-G-P16-K

AWBC 0300 50-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

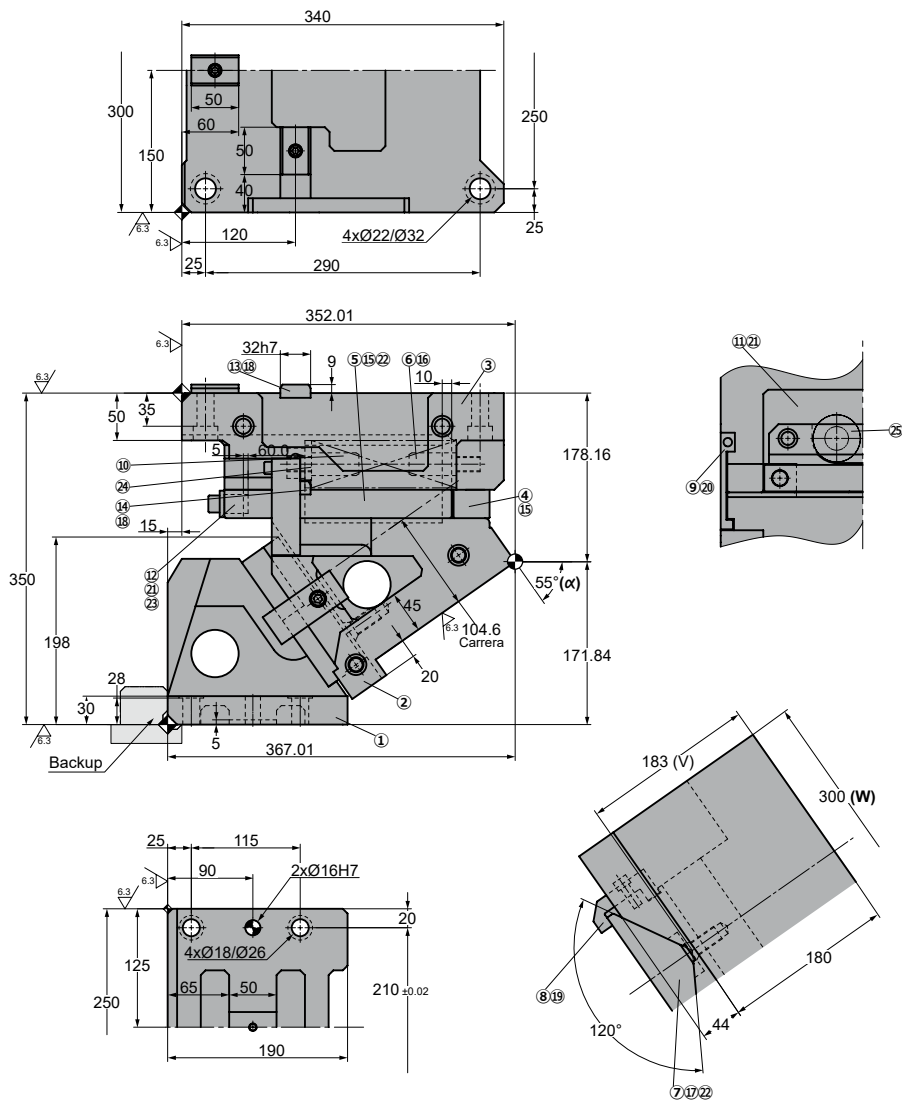
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

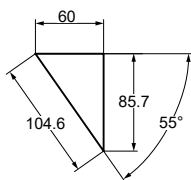
Aerial cam for pierce and flange

**AZOL
GAS** 

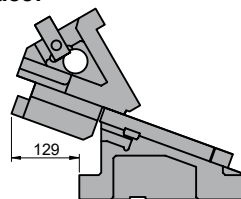
AWBC 0300 55



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
104.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.0	AWBC	0300	55
	---		13459.4 (1372.5)					



Order: Model (W) (α)
AWBC 0300 55

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

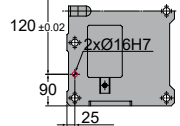
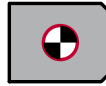
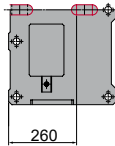
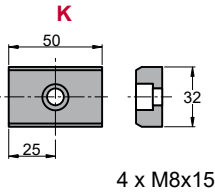
K - KF

KEY

KF

P PINS

P16 - Ø16 H7.



G

GAS SPRING

G

G Gas spring included in the cam



Order Options: Model (W) (α)-Option



AWBC 0300 55-K

AWBC 0300 55-G-P16

AWBC 0300 55-G-P16-K

AWBC 0300 55-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

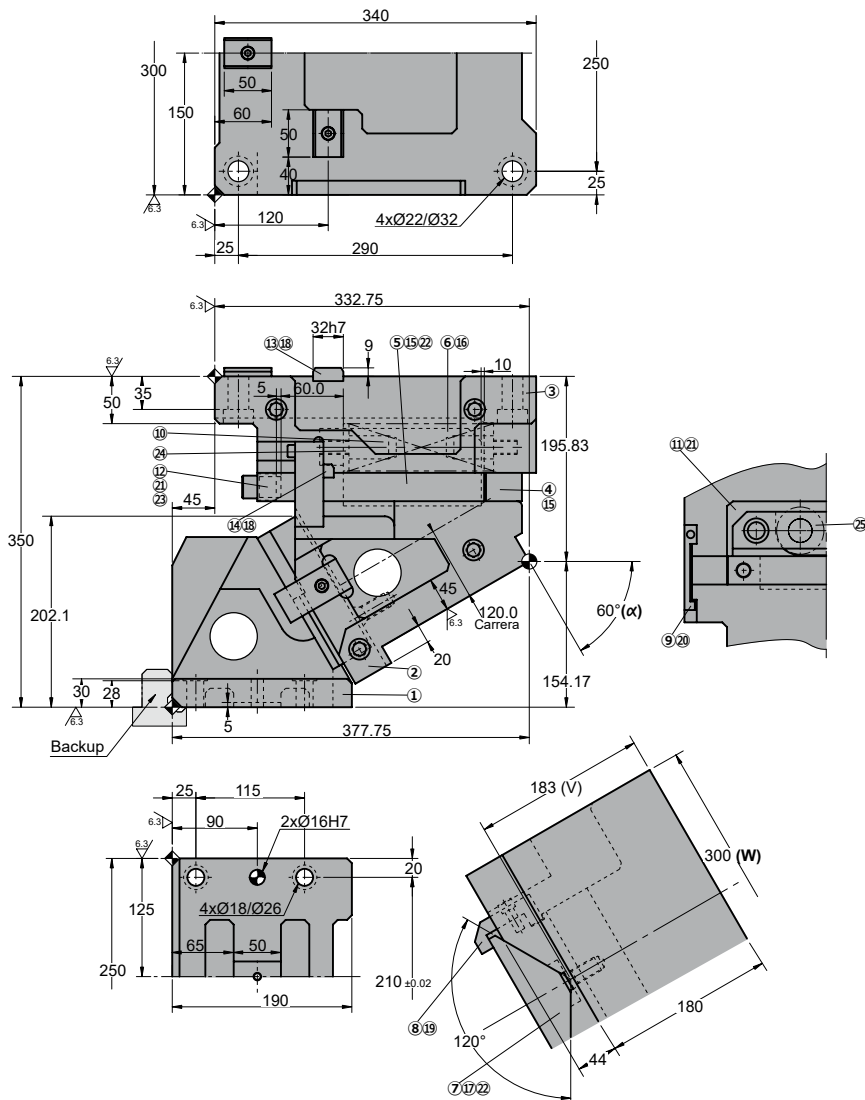
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

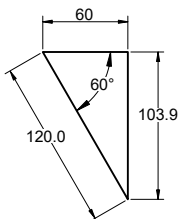
AWBC 0300

Aerial cam for pierce and flange

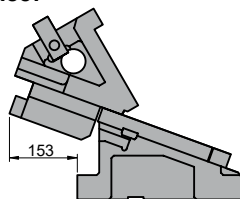
AWBC 0300 60



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
120.0	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	136.1	AWBC	0300	60
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0300 60

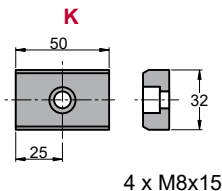
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

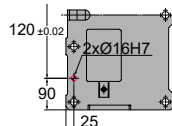
KEY

KF



P PINS

P16 - Ø16 H7.



G

GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α -Option)



AWBC 0300 60-K

AWBC 0300 60-G-P16

AWBC 0300 60-G-P16-K

AWBC 0300 60-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑦ Slider Guide
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

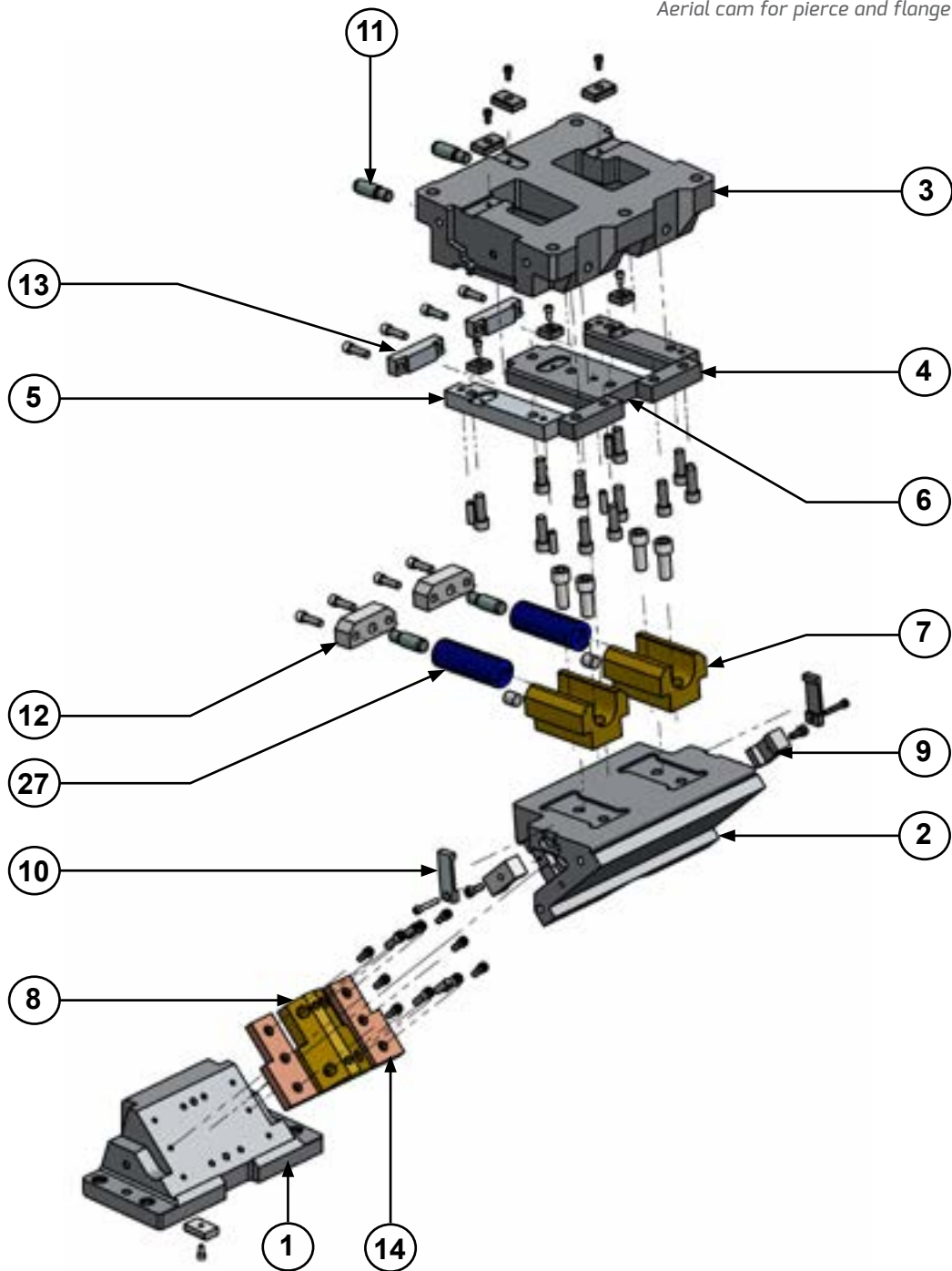
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉖	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0300

Aerial cam for pierce and flange

AWBC 0400

Aerial cam for pierce and flange

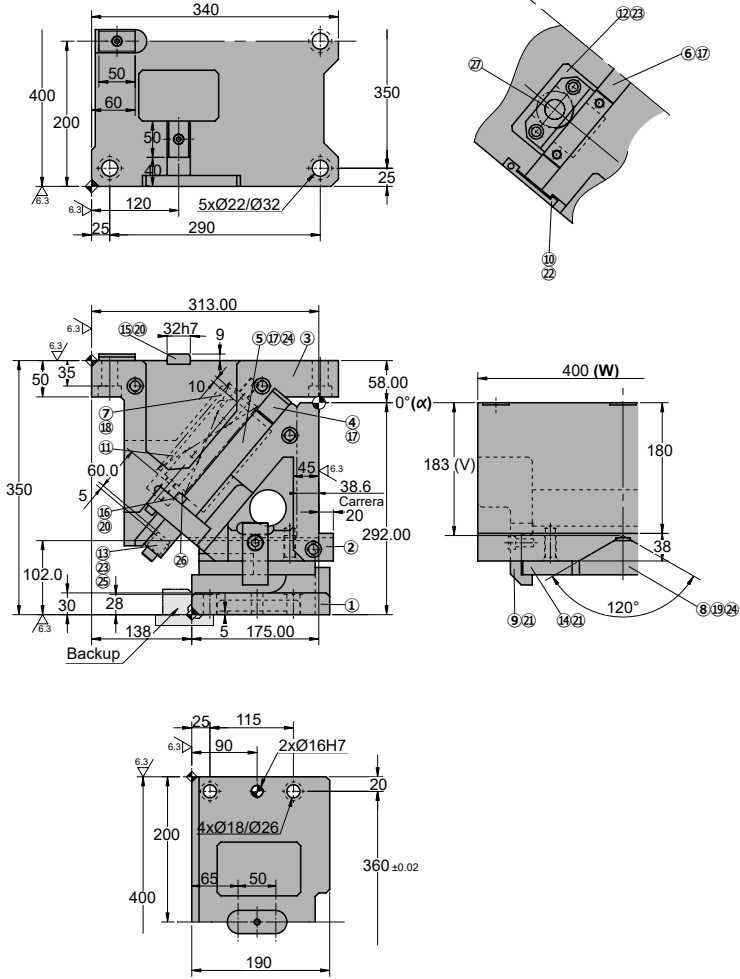


AWBC 0400

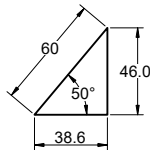
Aerial cam for pierce and flange



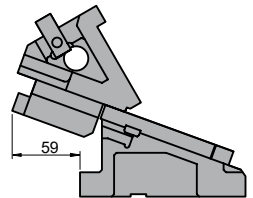
AWBC 0400 00





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	191.1	AWBC	0400	00
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)
AWBC 0400 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

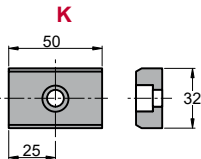
K - KF

KEY

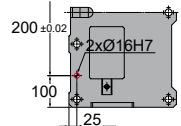
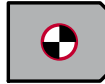
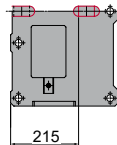
KF

P PINS

P16 - Ø16 H7.



4 x M8x15



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 00-K

AWBC 0400 00-G-P16

AWBC 0400 00-G-P16-K

AWBC 0400 00-G-P16-KF





SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.6	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	189.3	AWBC	0400	05
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)
AWBC 0400 05

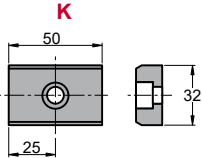
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

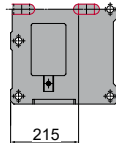
K - KF

KEY

KF

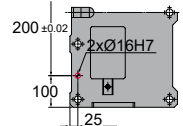
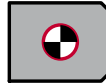


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 05-K

AWBC 0400 05-G-P16

AWBC 0400 05-G-P16-K

AWBC 0400 05-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

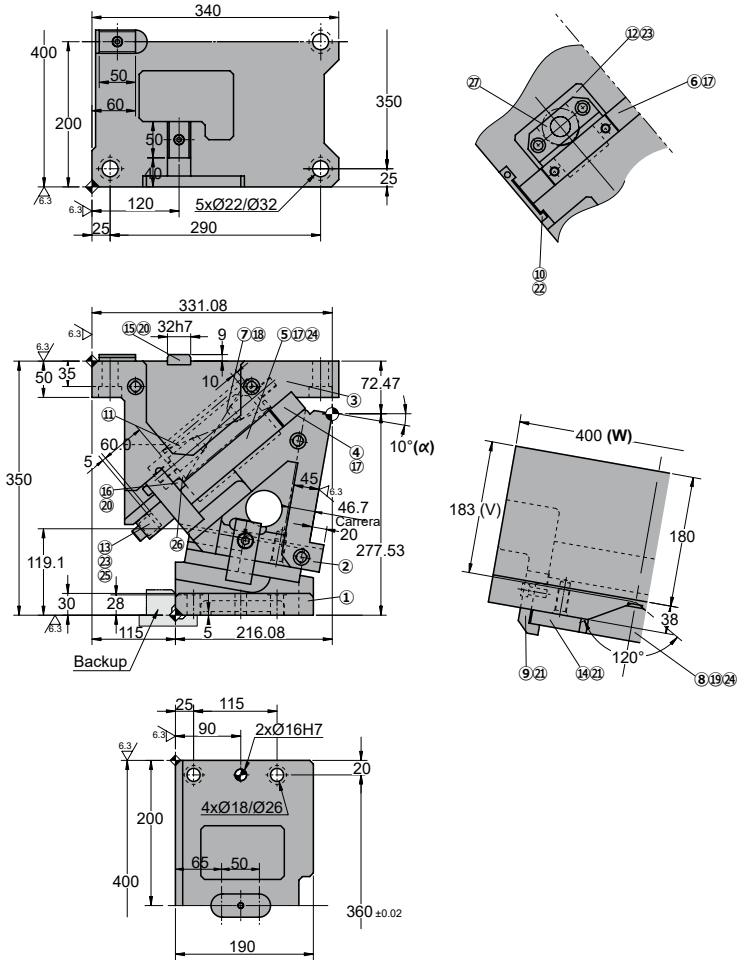
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

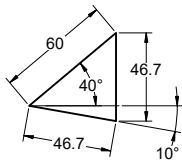
Aerial cam for pierce and flange



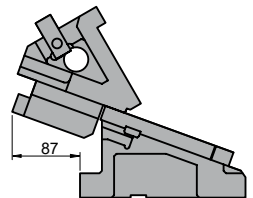
AWBC 0400 10



◦Cam diagram:





◦Desassembling space:





AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	188.0	AWBC	0400	10
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)
AWBC 0400 10

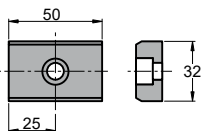
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

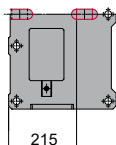
K - KF

KEY

KF

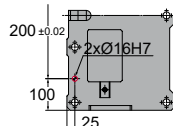


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 10-K

AWBC 0400 10-G-P16

AWBC 0400 10-G-P16-K

AWBC 0400 10-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

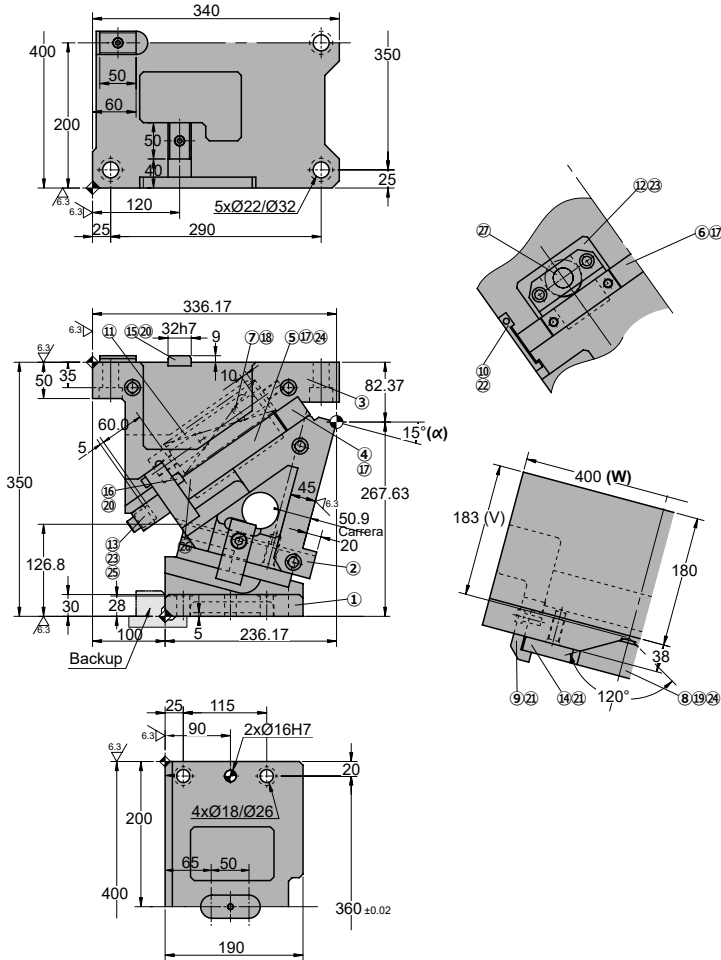
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

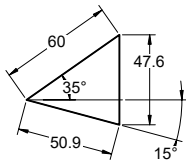
Aerial cam for pierce and flange



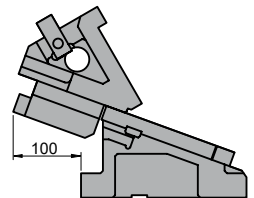
AWBC 0400 15



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
50.9	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	186.1	AWBC	0400	15
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0400 15

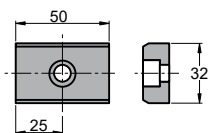
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

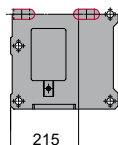
K - KF

KEY

KF

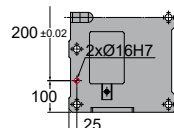


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 15-K

AWBC 0400 15-G-P16

AWBC 0400 15-G-P16-K

AWBC 0400 15-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

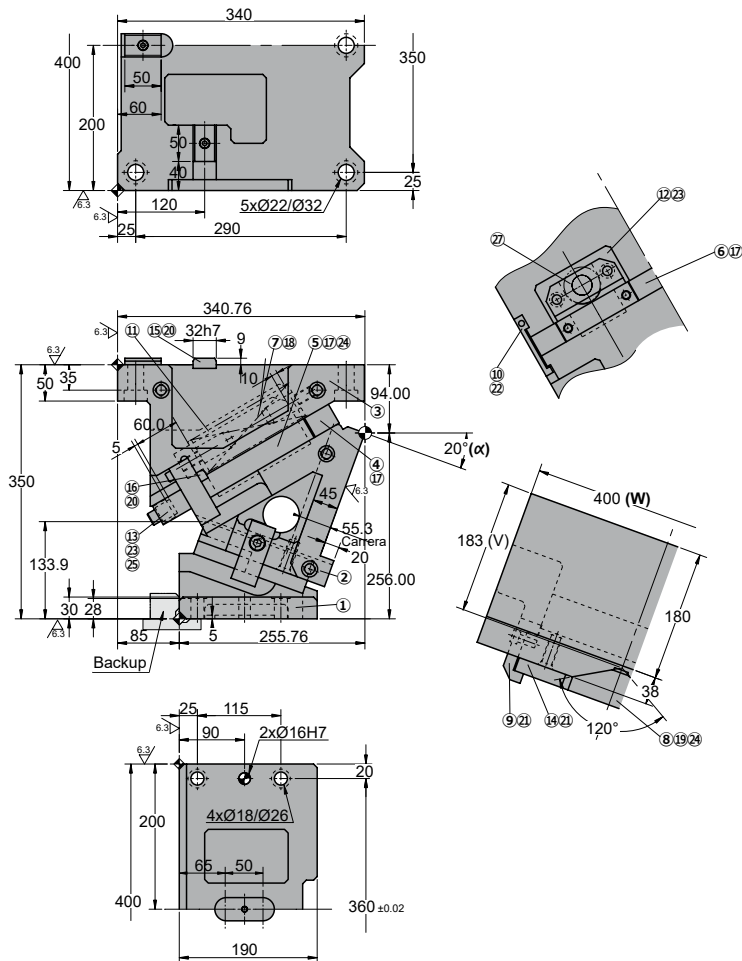
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

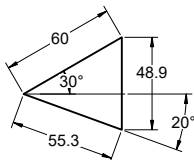
Aerial cam for pierce and flange

**AZOL
GAS** 

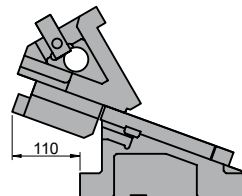
AWBC 0400 20





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55.3	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	185.3	AWBC	0400	20
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0400 20

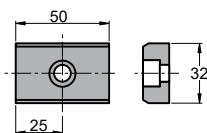
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

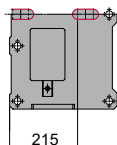
K - KF

KEY

KF

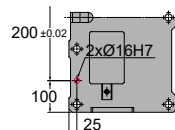


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 20-K

AWBC 0400 20-G-P16

AWBC 0400 20-G-P16-K

AWBC 0400 20-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

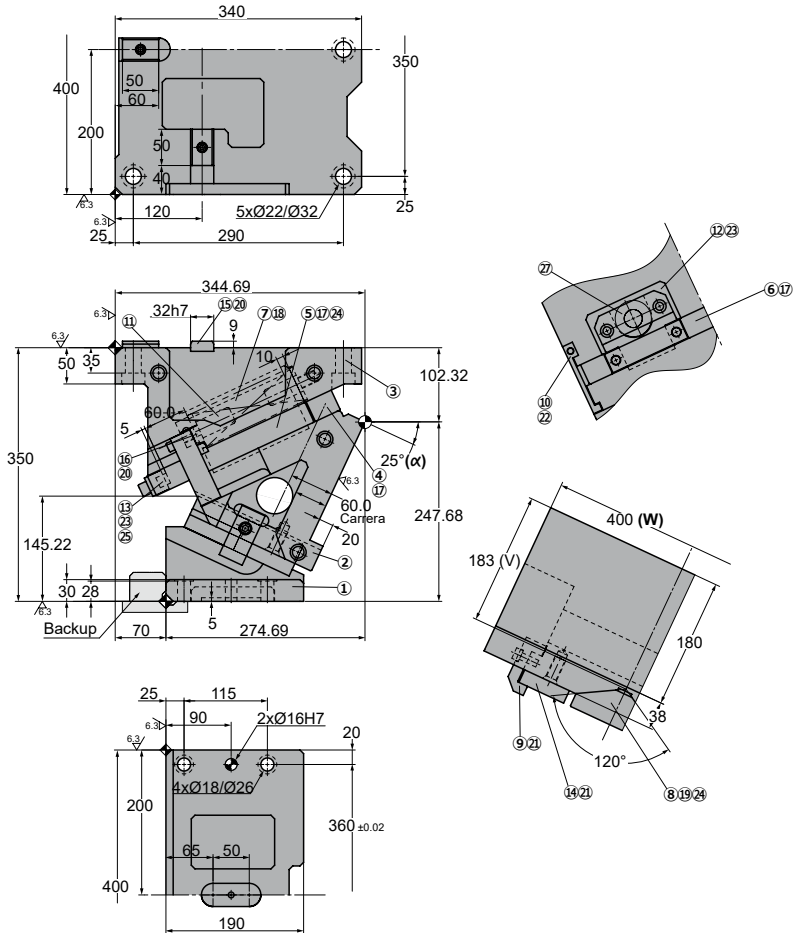
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

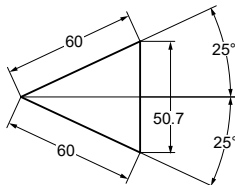
Aerial cam for pierce and flange

**AZOL
GAS** 

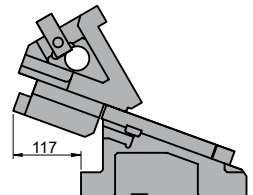
AWBC 0400 25



◦Cam diagram:





◦Desassembling space:





AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	188.1	AWBC	0400	25
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0400 25

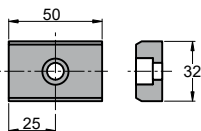
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

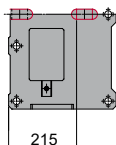
K - KF

KEY

KF

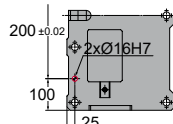


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 25-K

AWBC 0400 25-G-P16

AWBC 0400 25-G-P16-K

AWBC 0400 25-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

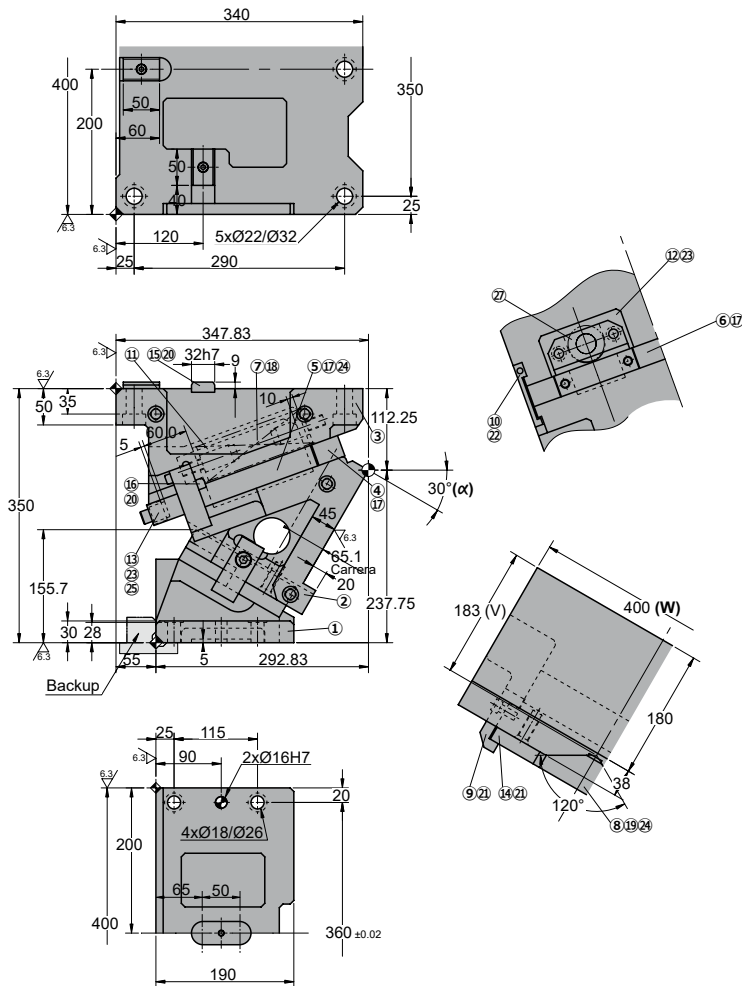
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

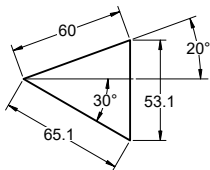
Aerial cam for pierce and flange



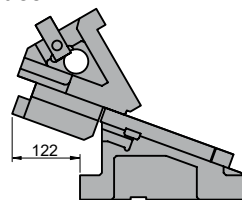
AWBC 0400 30



◦Cam diagram:





◦Desassembling space:





AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
65.1	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	185.8	AWBC	0400	30
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0400 30

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

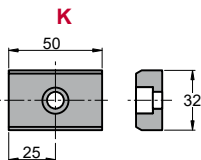
K - KF

KEY

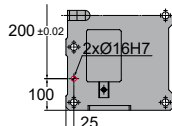
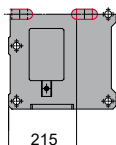
KF

P PINS

P16 - Ø16 H7.



4 x M8x15



G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 30-K

AWBC 0400 30-G-P16

AWBC 0400 30-G-P16-K

AWBC 0400 30-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

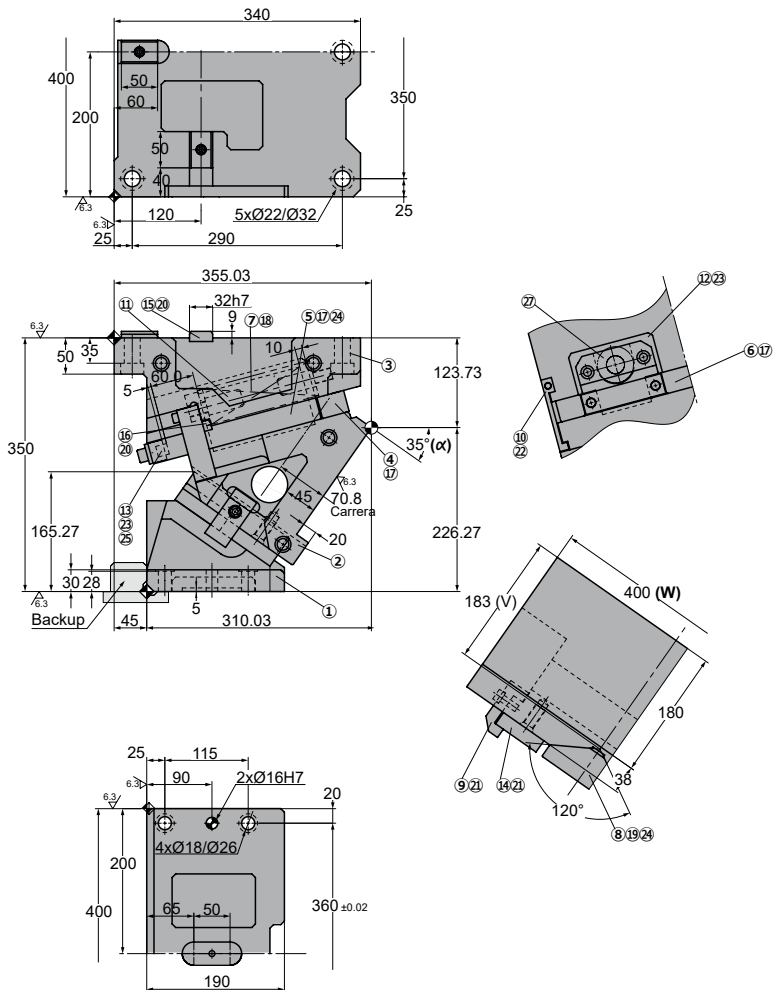
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

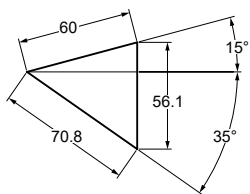
Aerial cam for pierce and flange



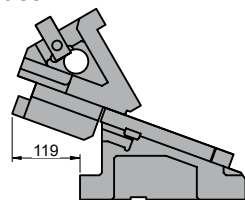
AWBC 0400 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.8	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	192.4	AWBC	0400	35
			---	13459.4 (1372.5)				

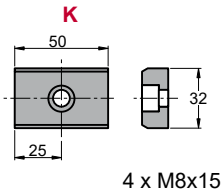


Order: Model (W) (α)
AWBC 0400 35

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

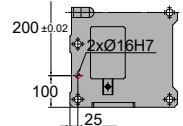
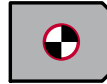


KEY

KF

P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 35-K

AWBC 0400 35-G-P16

AWBC 0400 35-G-P16-K

AWBC 0400 35-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

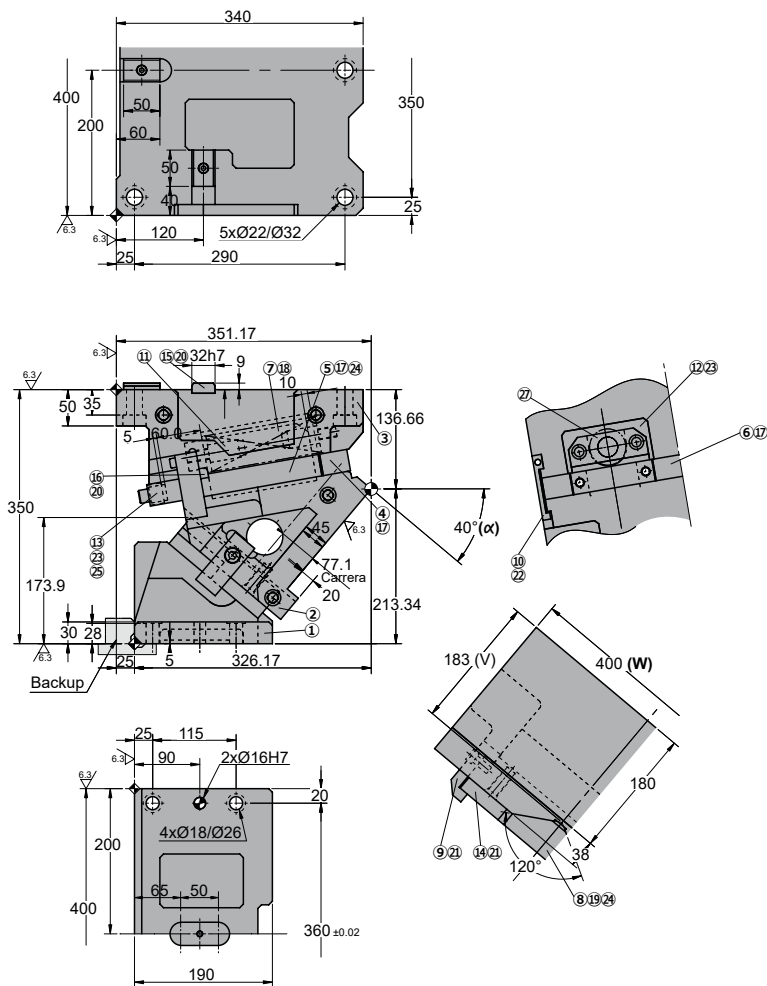
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

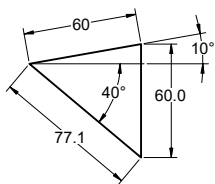
Aerial cam for pierce and flange



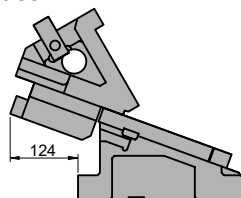
AWBC 0400 40



Cam diagram:





Desassembling space:





AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.1	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	191.9	AWBC	0400	40
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0400 40

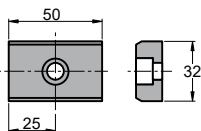
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

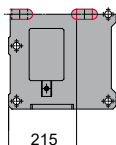
K - KF

KEY

KF

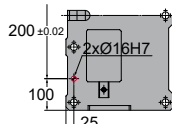


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 40-K

AWBC 0400 40-G-P16

AWBC 0400 40-G-P16-K

AWBC 0400 40-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

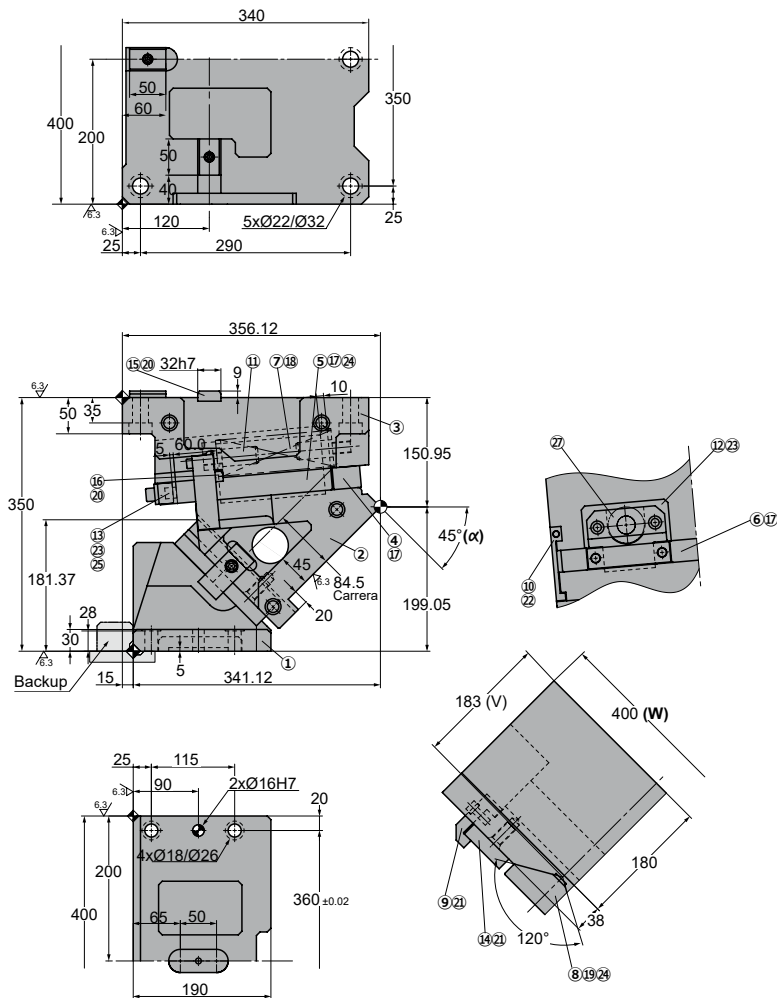
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

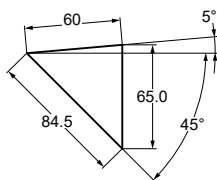
Aerial cam for pierce and flange

AZOL
GAS

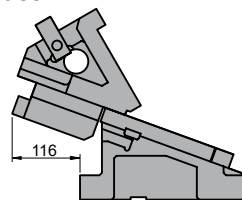
AWBC 0400 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
84.5	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	195.9	AWBC	0400	45
			---	13459.4 (1372.5)				

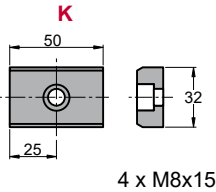


Order: Model (W) (α)
AWBC 0400 45

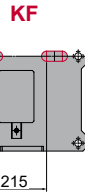
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

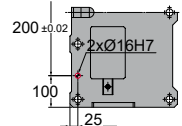
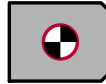


KEY



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 45-K

AWBC 0400 45-G-P16

AWBC 0400 45-G-P16-K

AWBC 0400 45-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

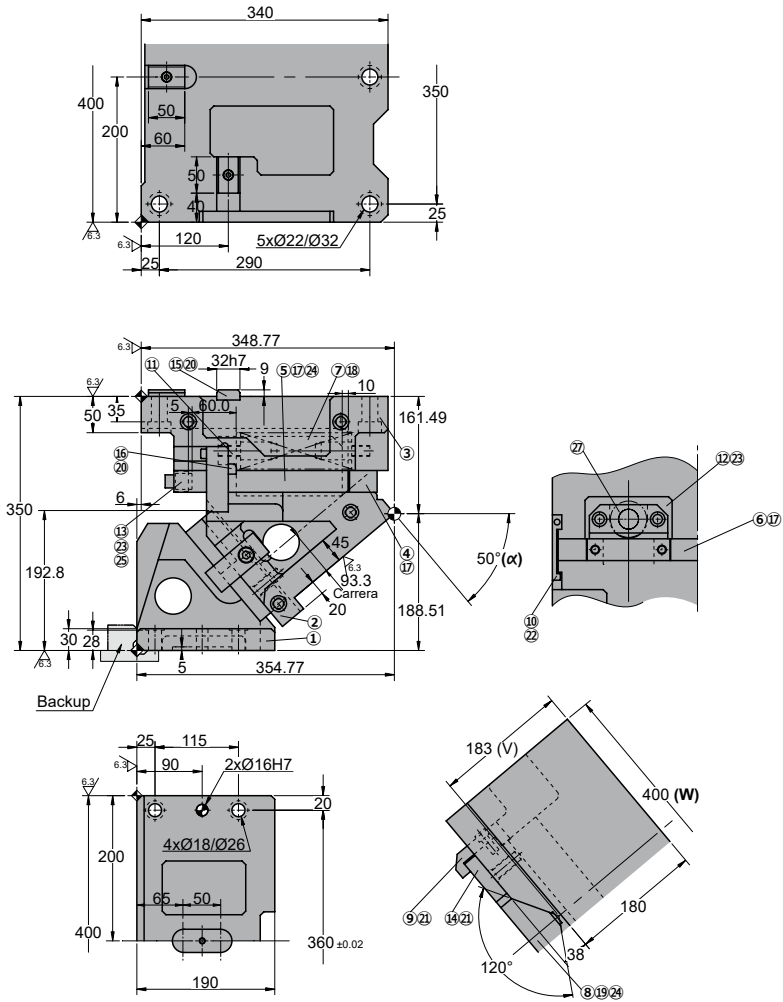
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

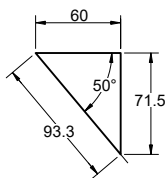
Aerial cam for pierce and flange



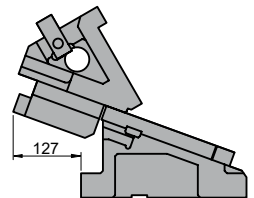
AWBC 0400 50



◦Cam diagram:



◦Desassembling space:





AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
93.3	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	191.8	AWBC	0400	50
			---	13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0400 50

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

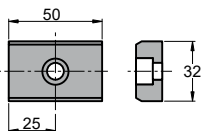
K - KF

KEY

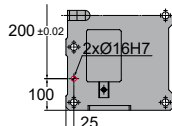
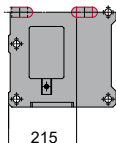
KF

P PINS

P16 - Ø16 H7.



4 x M8x15



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 50-K

AWBC 0400 50-G-P16

AWBC 0400 50-G-P16-K

AWBC 0400 50-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

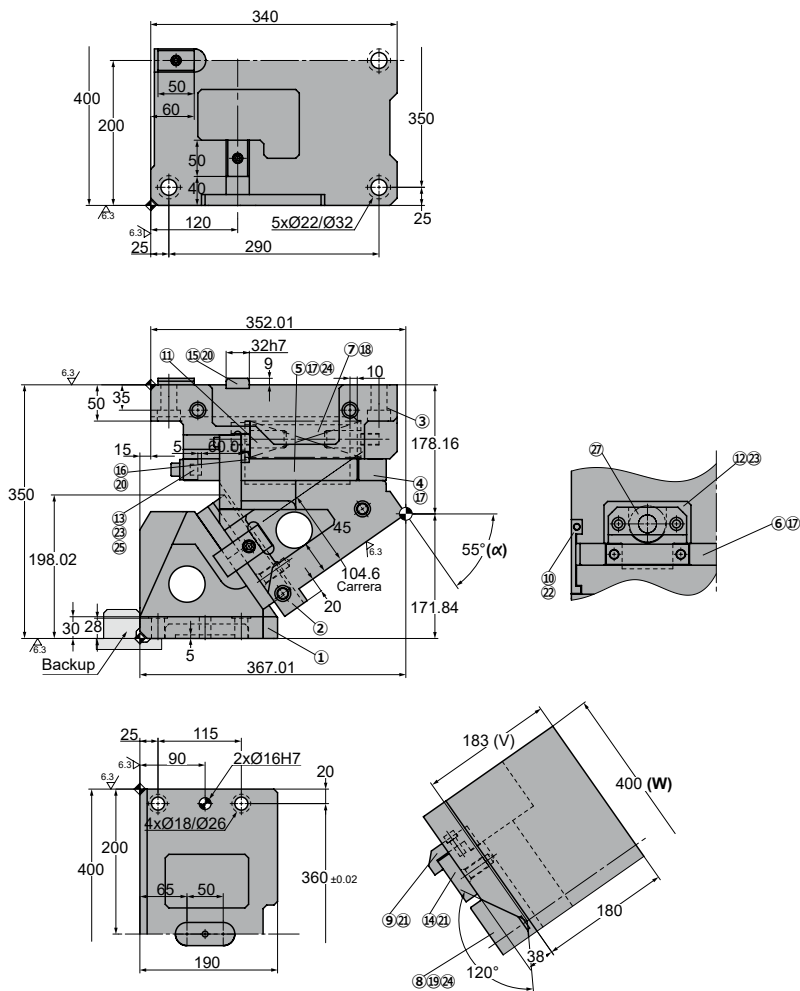
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

AWBC 0400

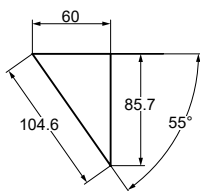
Aerial cam for pierce and flange

**AZOL
GAS** 

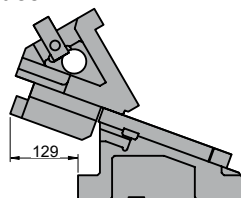
AWBC 0400 55



◦Cam diagram:





◦Desassembling space:





AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
104.6	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	198.5	AWBC	0400	55
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0400 55

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

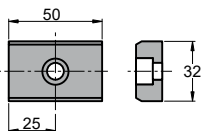
K - KF

KEY

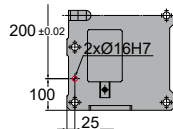
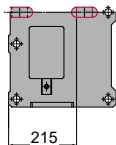
KF

P PINS

P16 - Ø16 H7.



4 x M8x15



G

GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 55-K

AWBC 0400 55-G-P16

AWBC 0400 55-G-P16-K

AWBC 0400 55-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS



No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)



AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
120.0	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	201.1	AWBC	0400	60
			 ---	 13459.4 (1372.5)				



Order: Model (W) (α)

AWBC 0400 60

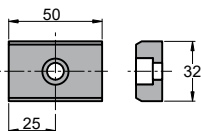
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

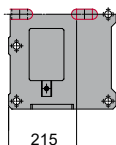
K - KF

KEY

KF

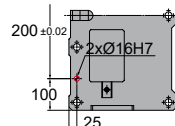


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0400 60-K

AWBC 0400 60-G-P16

AWBC 0400 60-G-P16-K

AWBC 0400 60-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉘	Gas Spring	2	FD 750 063 (87 Bar)

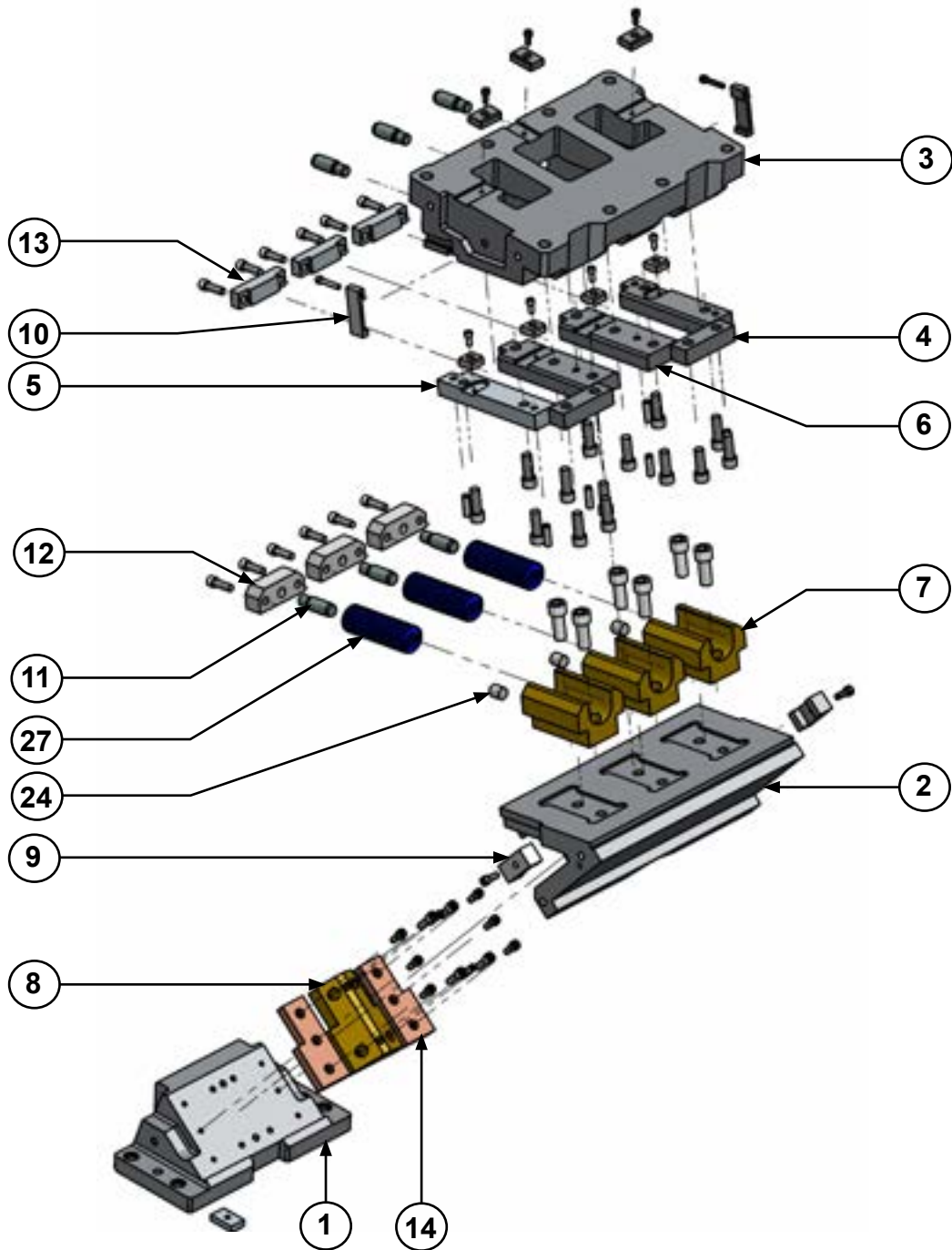
AWBC 0400



Aerial cam for pierce and flange

AWBC 0500

Aerial cam for pierce and flange

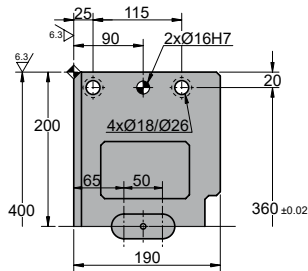
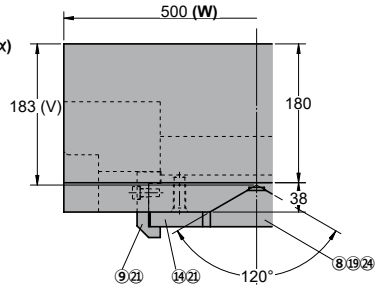
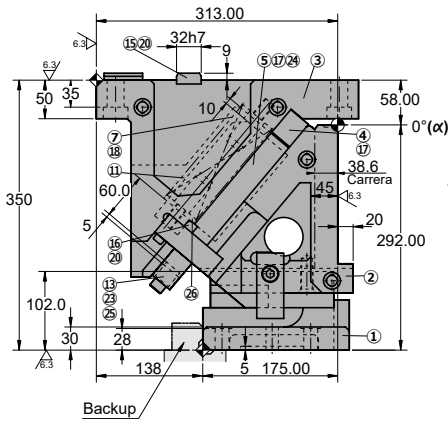
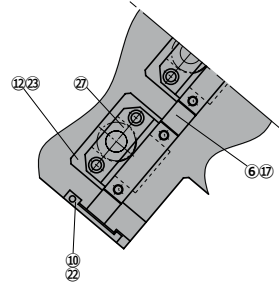
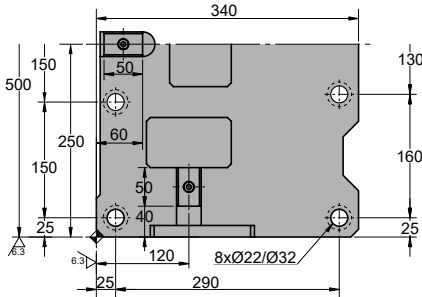


AWBC 0500

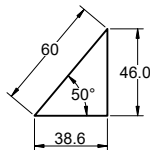
Aerial cam for pierce and flange



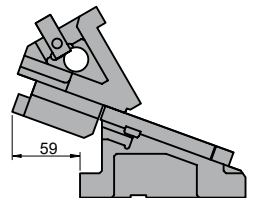
AWBC 0500 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	222.3	AWBC	0500	00
			---	20189.1 (2058.7)				



Order: Model (W) (α)

AWBC 0500 00

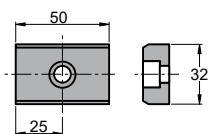
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

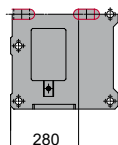
K - KF

KEY

KF

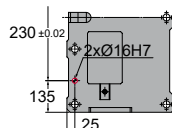


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 00-K

AWBC 0500 00-G-P16

AWBC 0500 00-G-P16-K

AWBC 0500 00-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

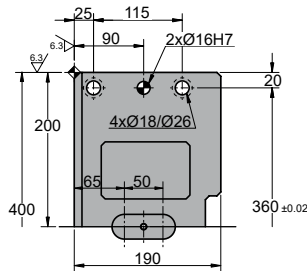
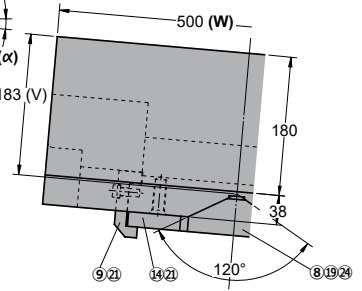
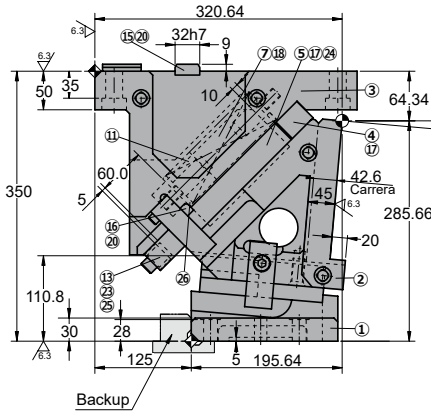
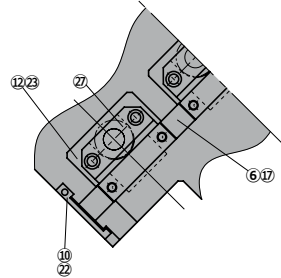
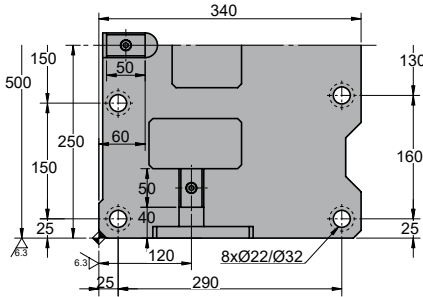
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

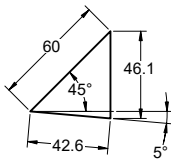
Aerial cam for pierce and flange



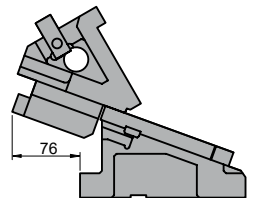
AWBC 0500 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.6	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	220.4	AWBC	0500	05
			---	20189.1 (2058.7)				



Order: Model (W) (α)

AWBC 0500 05

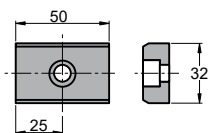
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

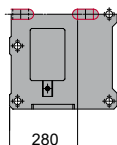
K - KF

KEY

KF

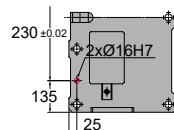


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 05-K

AWBC 0500 05-G-P16

AWBC 0500 05-G-P16-K

AWBC 0500 05-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

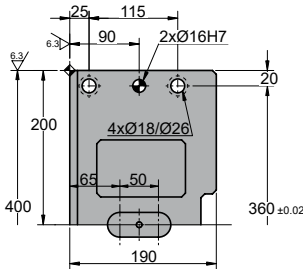
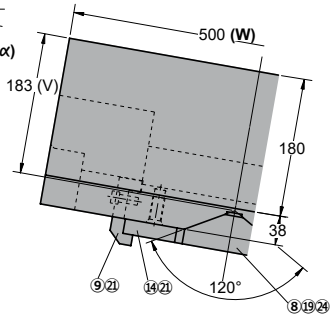
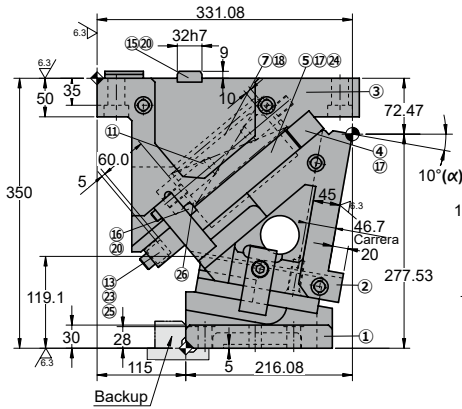
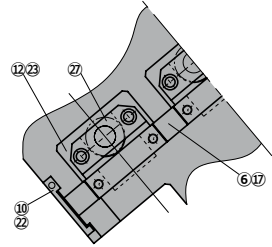
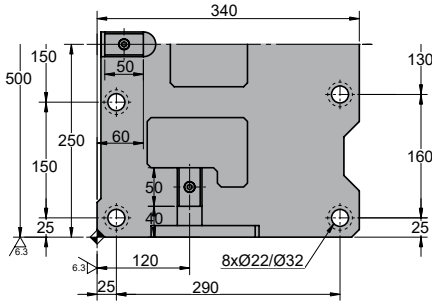
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

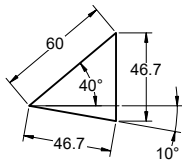
Aerial cam for pierce and flange



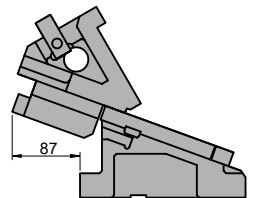
AWBC 0500 10





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	218.8	AWBC	0500	10
			 ---	 20189.1 (2058.7)				



Order: Model (W) (α)
AWBC 0500 10

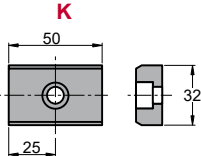
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

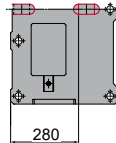
K - KF

KEY

KF

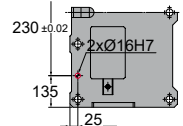
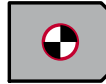


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 10-K

AWBC 0500 10-G-P16

AWBC 0500 10-G-P16-K

AWBC 0500 10-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

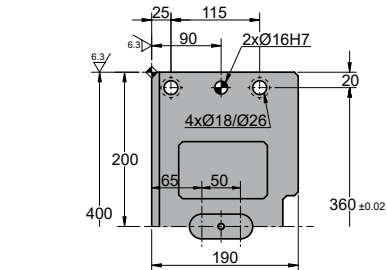
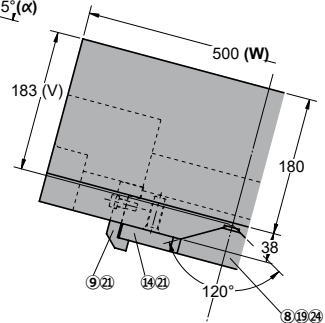
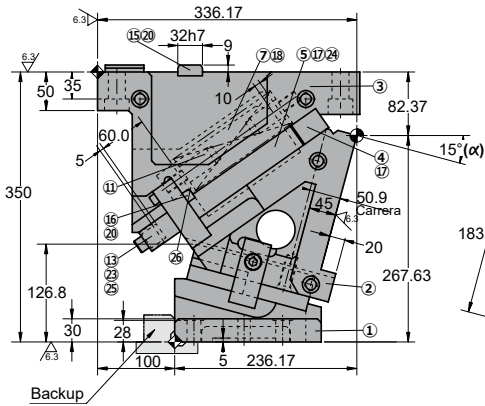
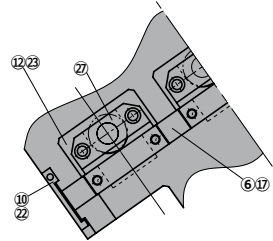
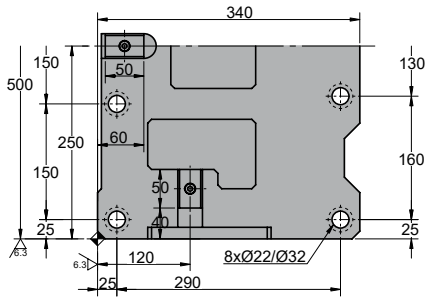
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

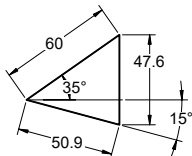
AWBC 0500

Aerial cam for pierce and flange

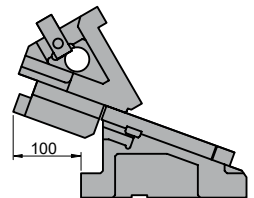
AWBC 0500 15



◦Cam diagram:





◦Desassembling space:





AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
50.9	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	216.3	AWBC	0500	15
			 ---	 20189.1 (2058.7)				



Order: Model (W) (α)

AWBC 0500 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

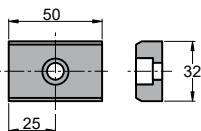
K - KF

KEY

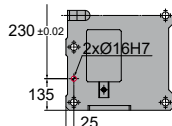
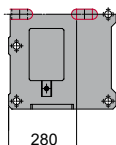
KF

P PINS

P16 - Ø16 H7.



4 x M8x15



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 15-K

AWBC 0500 15-G-P16

AWBC 0500 15-G-P16-K

AWBC 0500 15-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

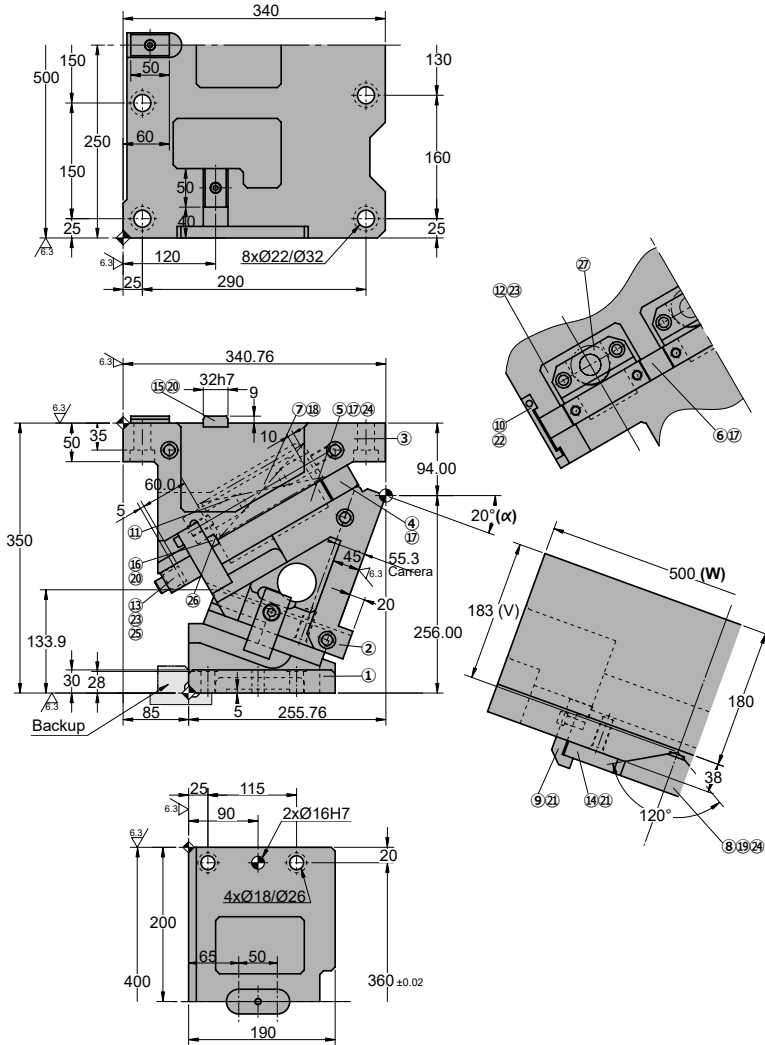
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

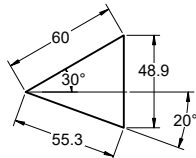
Aerial cam for pierce and flange



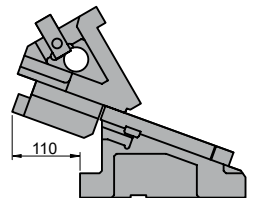
AWBC 0500 20



◦Cam diagram:



◦Desassembling space:





AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55.3	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	215.1	AWBC	0500	20
			---	20189.1 (2058.7)				



Order: Model (W) (α)

AWBC 0500 20

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

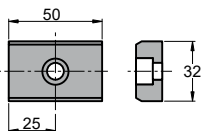
K - KF

KEY

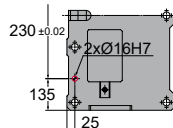
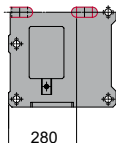
KF

P PINS

P16 - Ø16 H7.



4 x M8x15



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 20-K

AWBC 0500 20-G-P16

AWBC 0500 20-G-P16-K

AWBC 0500 20-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

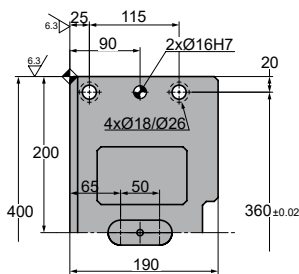
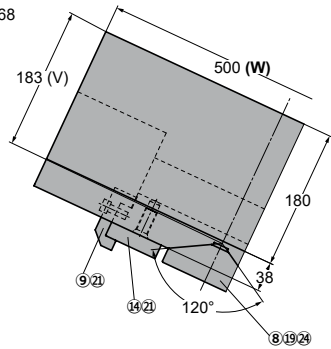
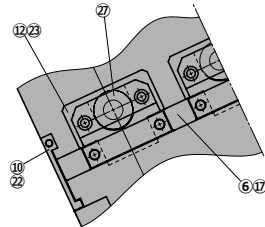
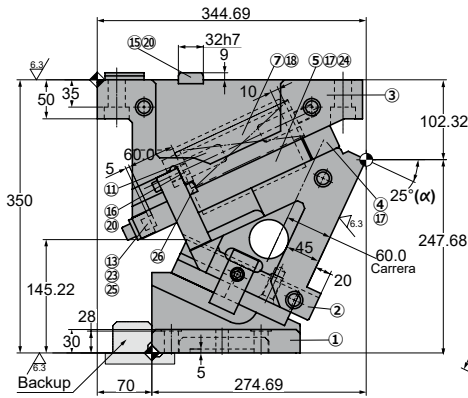
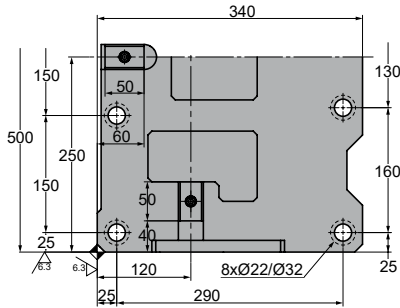
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

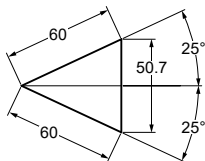
Aerial cam for pierce and flange



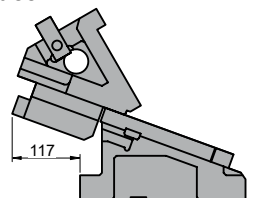
AWBC 0500 25





Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	217.1	AWBC	500	25
			 ---	 20189.1 (2058.7)				



Order: Model (W) (α)
AWBC 0500 25

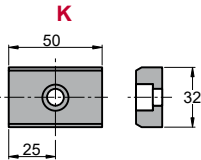
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

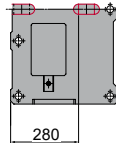
K - KF

KEY

KF

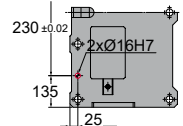
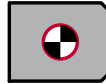


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 25-K

AWBC 0500 25-G-P16

AWBC 0500 25-G-P16-K

AWBC 0500 25-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

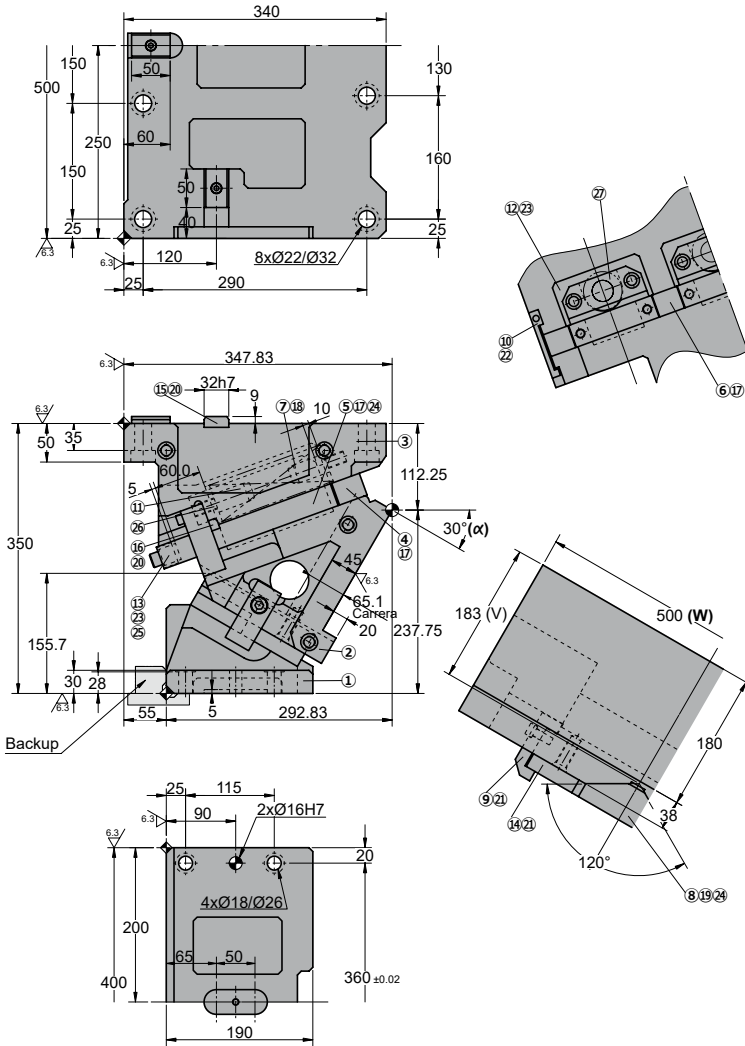
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

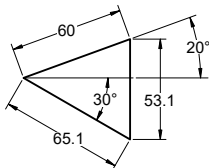
Aerial cam for pierce and flange



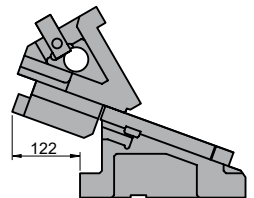
AWBC 0500 30





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
65.1	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	216.1	AWBC	0500	30
			 ---	 20189.1 (2058.7)				



Order: Model (W) (α)
AWBC 0500 30

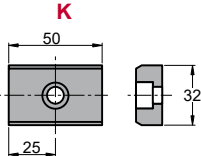
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

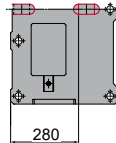
K - KF

KEY

KF

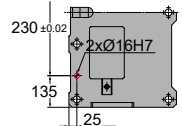
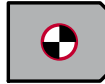


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 30-K

AWBC 0500 30-G-P16

AWBC 0500 30-G-P16-K

AWBC 0500 30-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

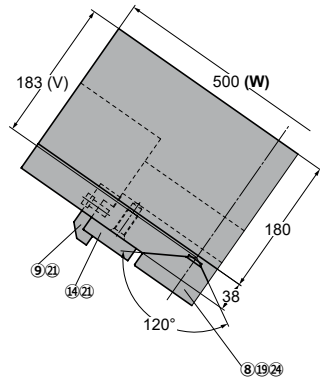
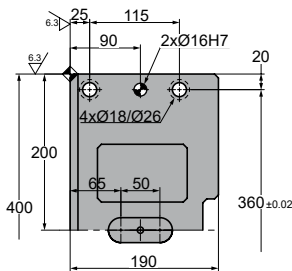
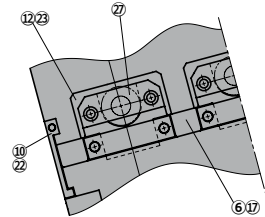
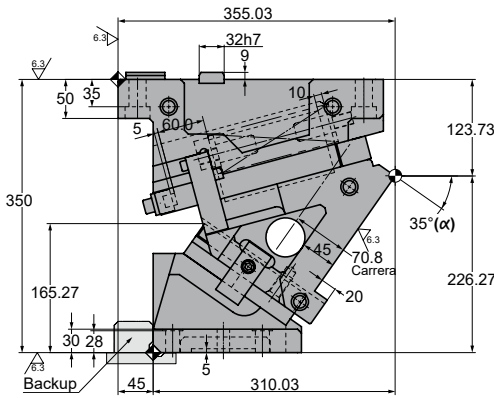
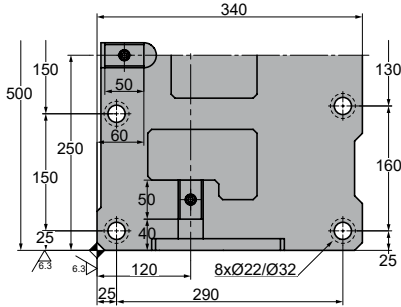
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

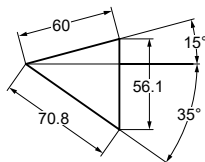
Aerial cam for pierce and flange



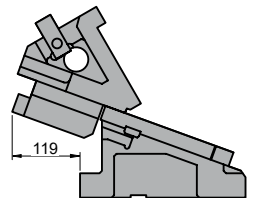
AWBC 0500 35



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.8	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	222.1	AWBC	500	35
			---	20189.1 (2058.7)				



Order: Model (W) (α)

AWBC 0500 35

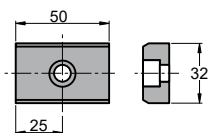
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

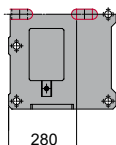
K - KF

KEY

KF

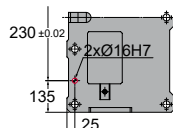


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 35-K

AWBC 0500 35-G-P16

AWBC 0500 35-G-P16-K

AWBC 0500 35-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

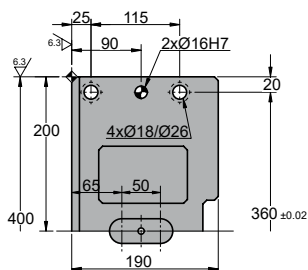
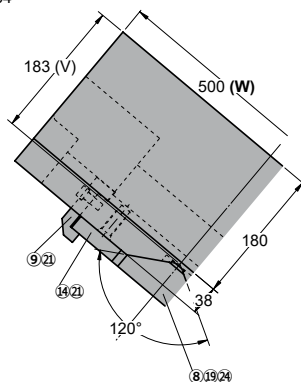
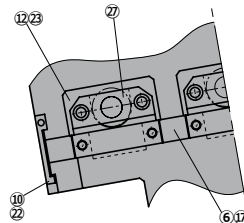
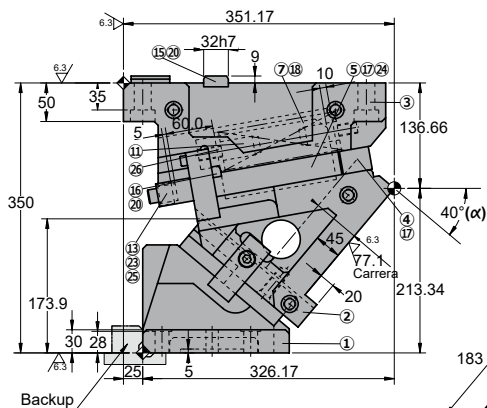
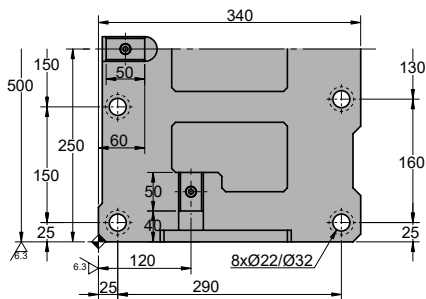
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

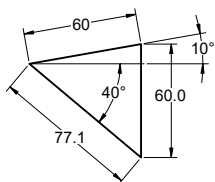
Aerial cam for pierce and flange

**AZOL
GAS**

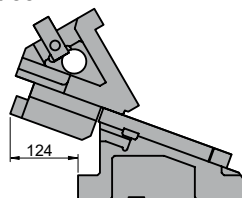
AWBC 0500 40





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.1	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	220.4	AWBC	0500	40
			 ---	 20189.1 (2058.7)				



Order: Model (W) (α)
AWBC 0500 40

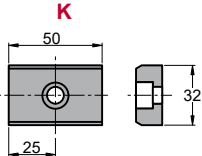
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

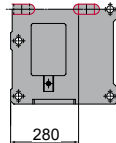
K - KF

KEY

KF

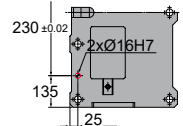
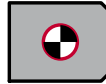


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 40-K

AWBC 0500 40-G-P16

AWBC 0500 40-G-P16-K

AWBC 0500 40-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

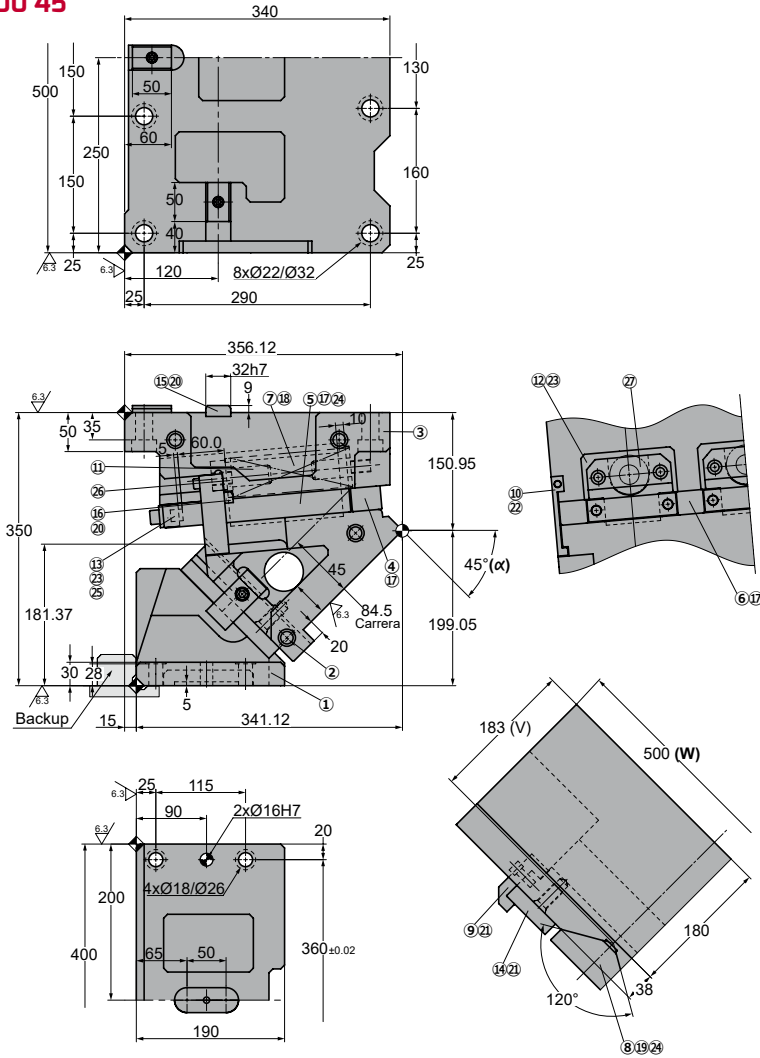
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

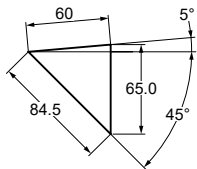
Aerial cam for pierce and flange



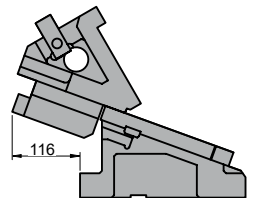
AWBC 0500 45





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
84.5	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	223.0	AWBC	500	45
			 ---	 20189.1 (2058.7)				



Order: Model (W) (α)

AWBC 0500 45

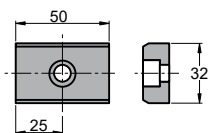
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

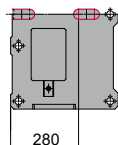
K - KF

KEY

KF

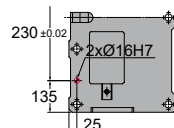


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 45-K

AWBC 0500 45-G-P16

AWBC 0500 45-G-P16-K

AWBC 0500 45-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

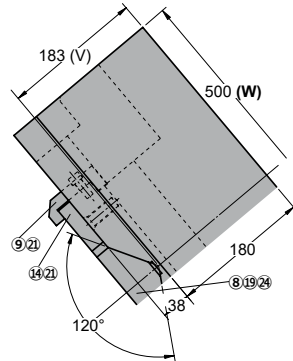
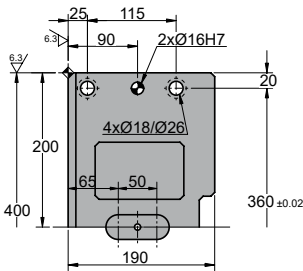
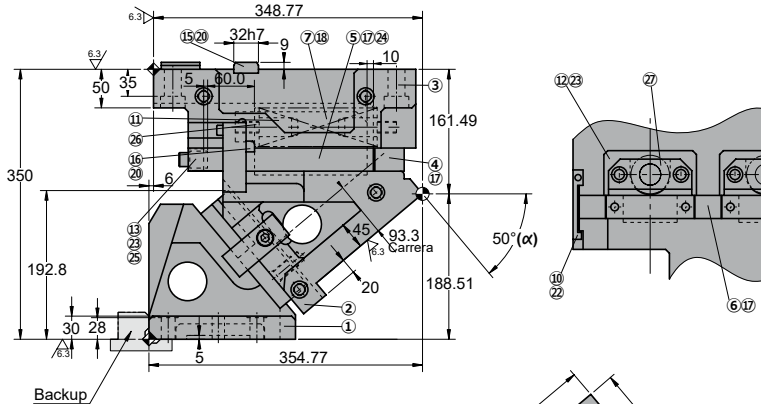
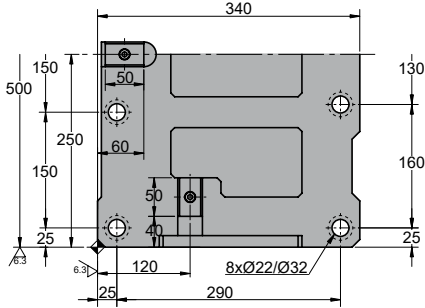
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

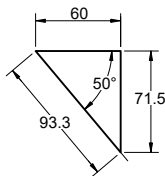
Aerial cam for pierce and flange



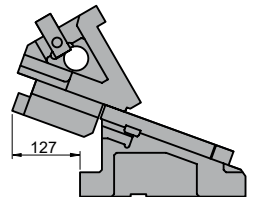
AWBC 0500 50





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
93.3	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	220.1	AWBC	0500	50
			 ---	 20189.1 (2058.7)				



Order: Model (W) (α)

AWBC 0500 50

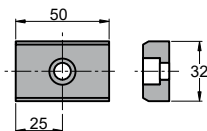
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

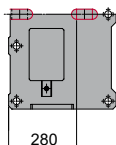
K - KF

KEY

KF

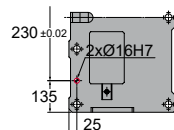


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 50-K

AWBC 0500 50-G-P16

AWBC 0500 50-G-P16-K

AWBC 0500 50-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

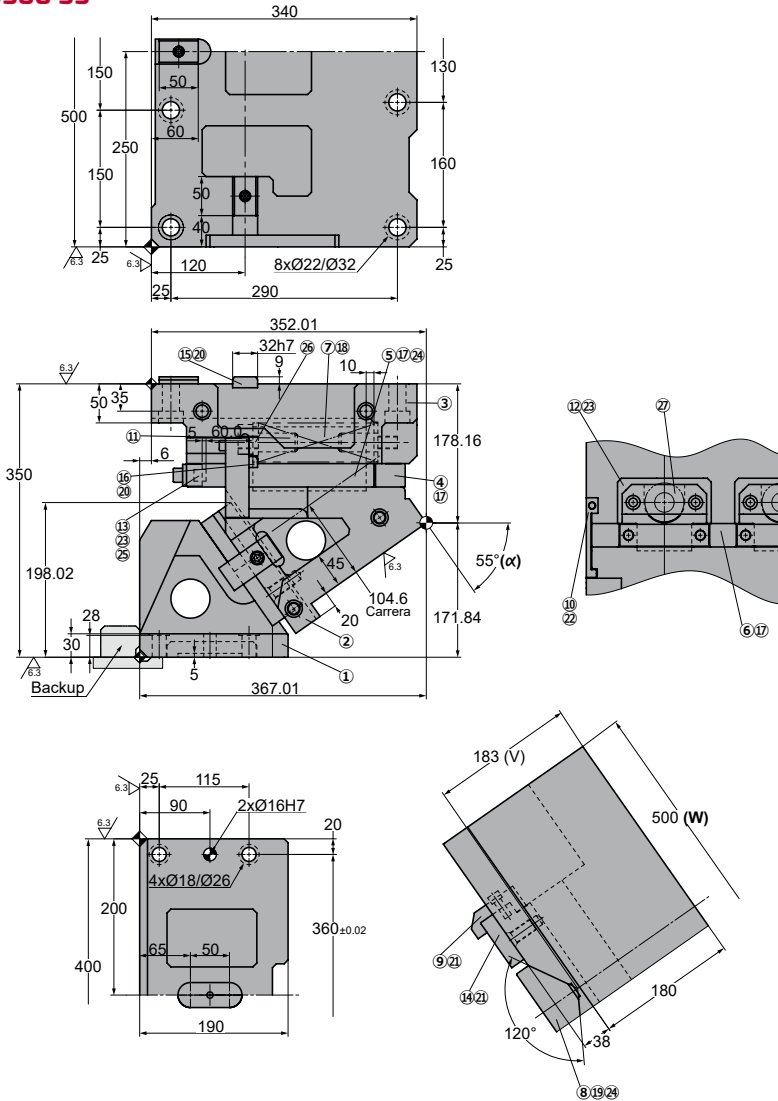
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

AWBC 0500

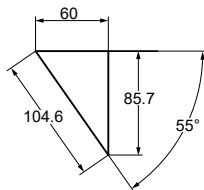
Aerial cam for pierce and flange



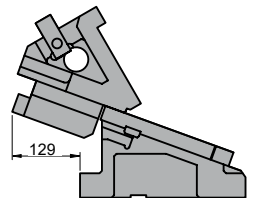
AWBC 0500 55





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
104.6	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	227.2	AWBC	500	55
			 ---	 20189.1 (2058.7)				



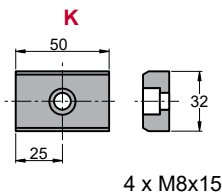
Order: Model (W) (α)

AWBC 0500 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

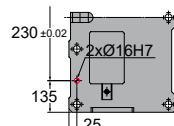


KEY

KF

P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 55-K

AWBC 0500 55-G-P16

AWBC 0500 55-G-P16-K

AWBC 0500 55-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS



No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)



AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
120.0	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	236.5	AWBC	0500	60
			 ---	 20189.1 (2058.7)				



Order: Model (W) (α)

AWBC 0500 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

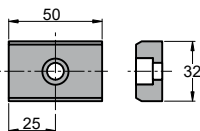
K - KF

KEY

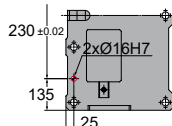
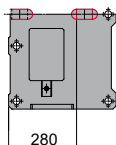
KF

P PINS

P16 - Ø16 H7.



4 x M8x15



G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0500 60-K

AWBC 0500 60-G-P16

AWBC 0500 60-G-P16-K

AWBC 0500 60-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉘	Gas Spring	3	FD 750 063 (87 Bar)

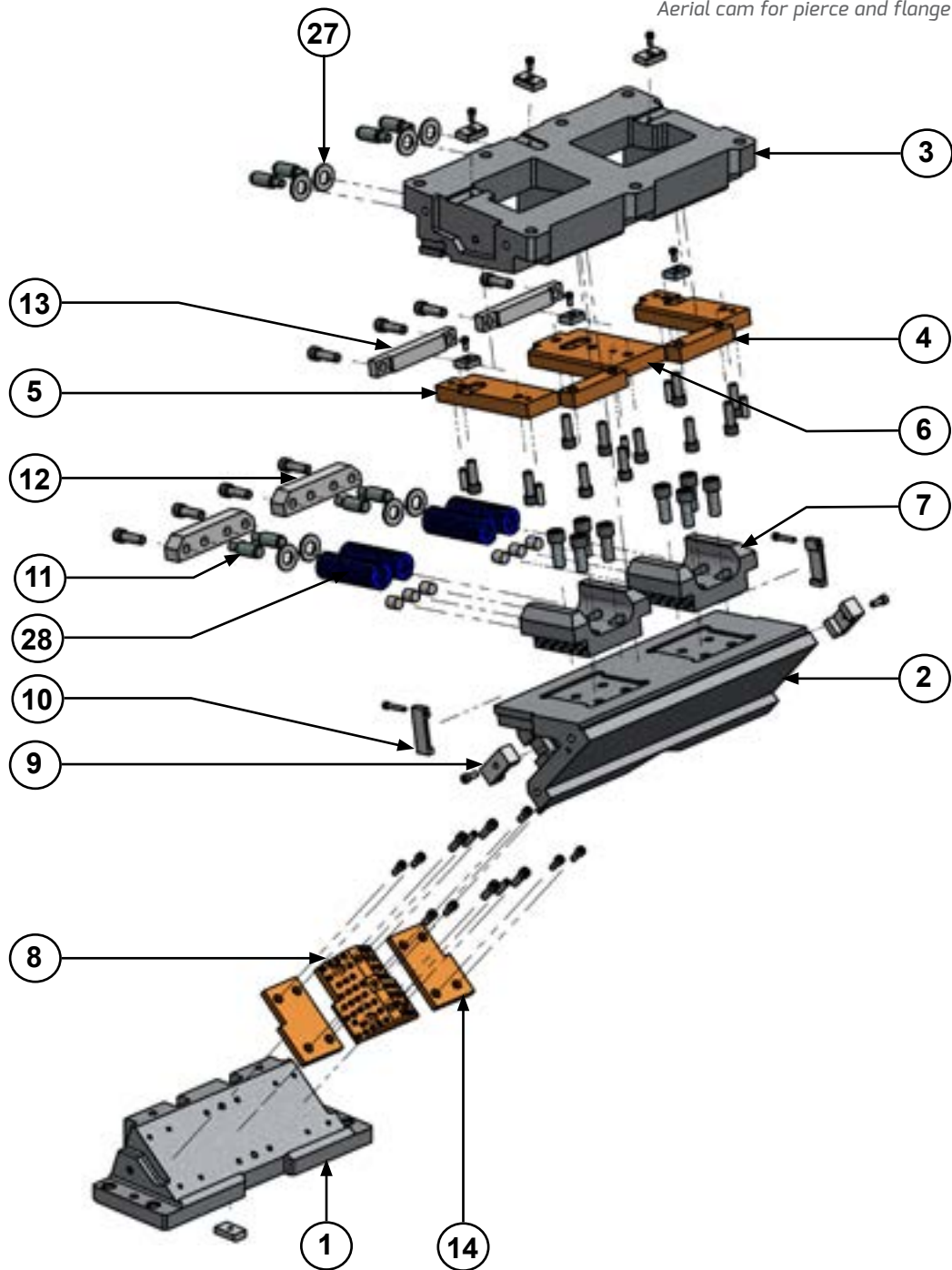
AWBC 0500



Aerial cam for pierce and flange

AWBC 0600



Aerial cam for pierce and flange





AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
38.6	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	281.4	AWBC	0600	00
			 ---	 26918.9 (2745.0)				



Order: Model (W) (α)

AWBC 0600 00

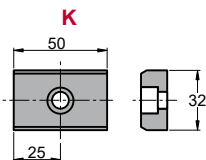
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

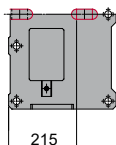
K - KF

KEY

KF

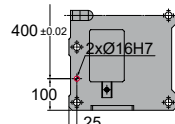


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 00-K

AWBC 0600 00-G-P16

AWBC 0600 00-G-P16-K

AWBC 0600 00-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

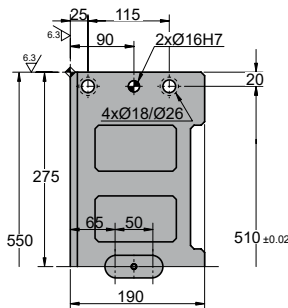
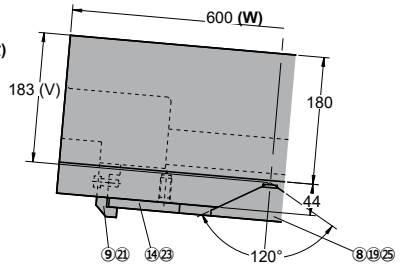
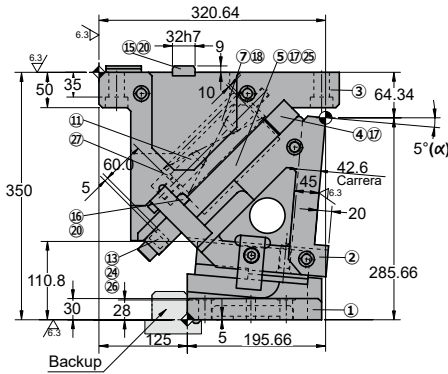
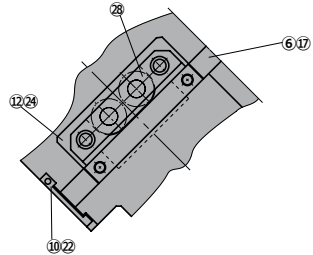
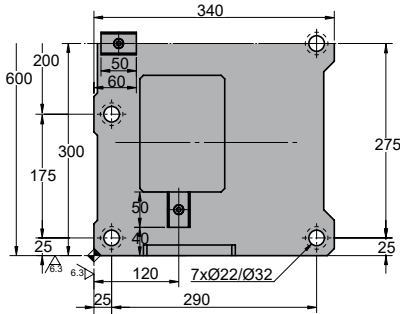
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

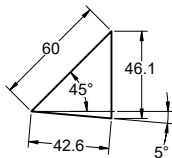
Aerial cam for pierce and flange



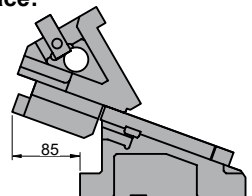
AWBC 0600 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
42.6	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	277.9	AWBC	0600	05
			---	26918.9 (2745.0)				



Order: Model (W) (α)

AWBC 0600 05

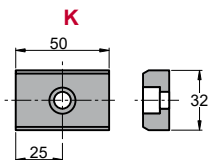
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

KEY

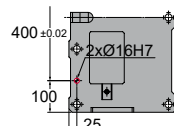
KF



4 x M8x15

P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 05-K

AWBC 0600 05-G-P16

AWBC 0600 05-G-P16-K

AWBC 0600 05-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

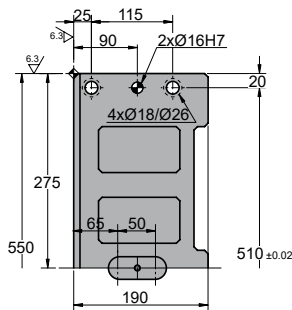
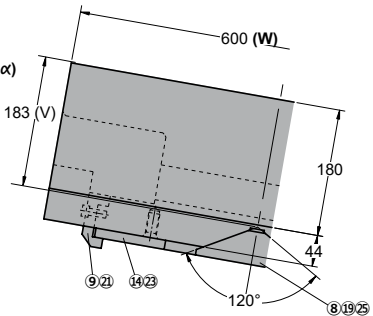
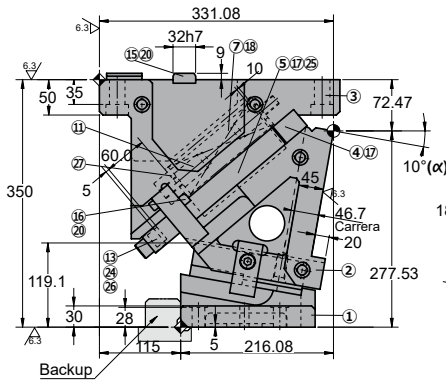
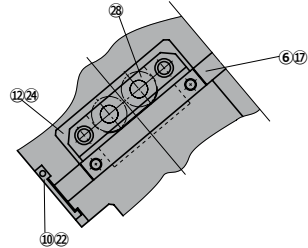
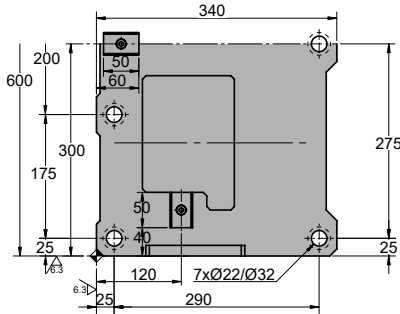
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

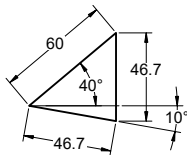
Aerial cam for pierce and flange



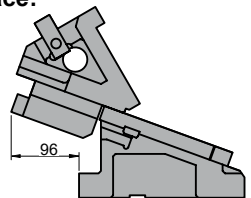
AWBC 0600 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	274.1	AWBC	0600	10
			---	26918.9 (2745.0)				



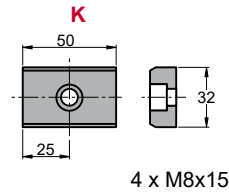
Order: Model (W) (α)
AWBC 0600 10

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

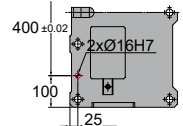
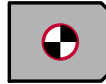
KEY



4 x M8x15

P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 10-K

AWBC 0600 10-G-P16

AWBC 0600 10-G-P16-K

AWBC 0600 10-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

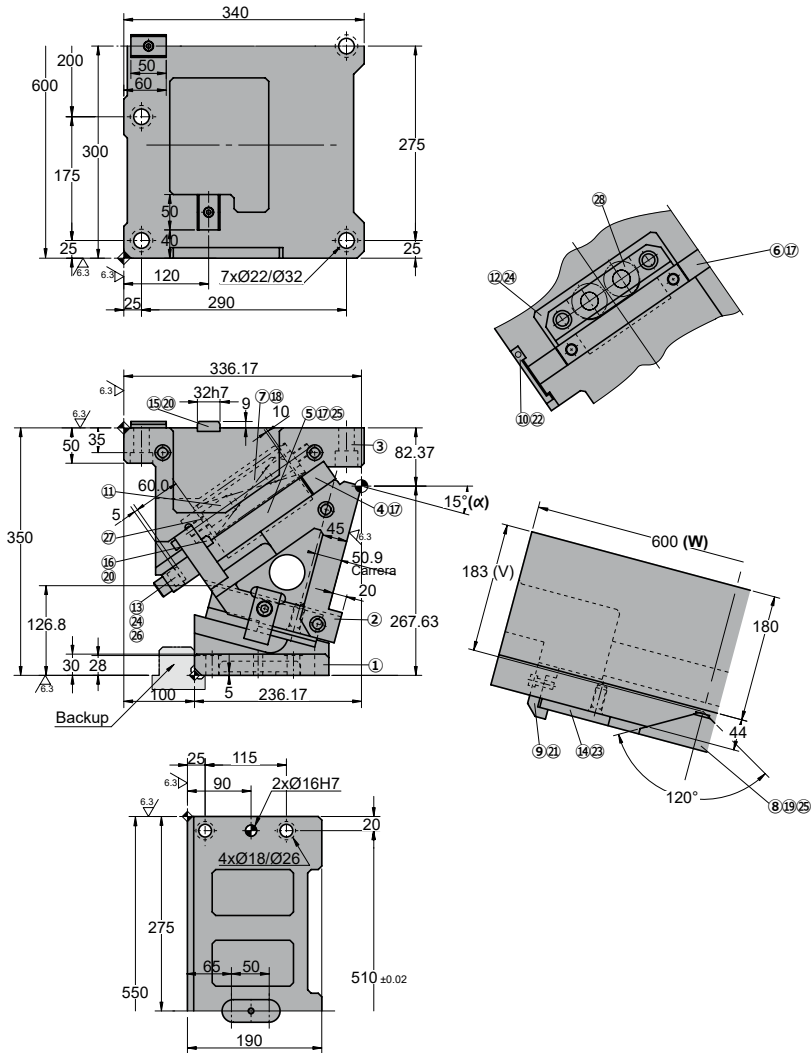
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

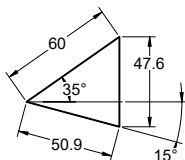
AWBC 0600

Aerial cam for pierce and flange

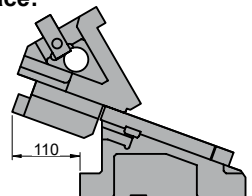
AWBC 0600 15





Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
50.9	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	272.3	AWBC	0600	15
			 ---	 26918.9 (2745.0)				



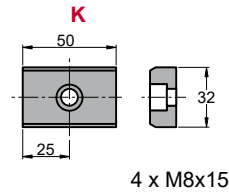
Order: Model (W) (α)
AWBC 0600 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

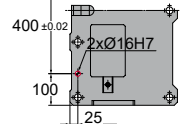
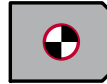
K - KF

KEY



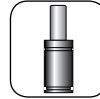
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 15-K

AWBC 0600 15-G-P16

AWBC 0600 15-G-P16-K

AWBC 0600 15-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

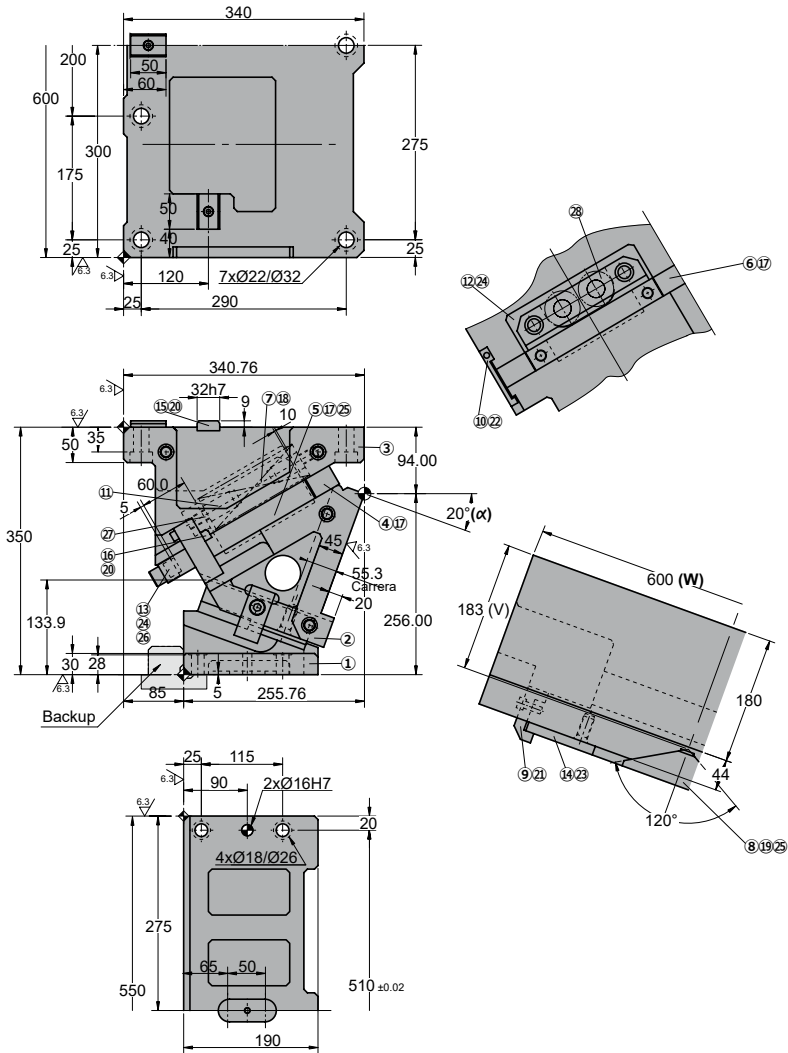
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

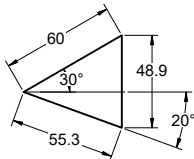
Aerial cam for pierce and flange

**AZOL
GAS** 

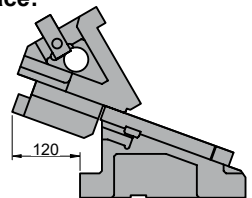
AWBC 0600 20



◦Cam diagram:





◦Desassembling space:





AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55.3	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	268.8	AWBC	0600	20
			 ---	 26918.9 (2745.0)				



Order: Model (W) (α)

AWBC 0600 20

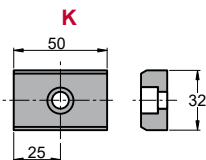
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

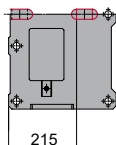
K - KF

KEY

KF

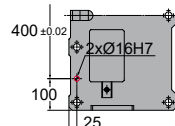


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 20-K

AWBC 0600 20-G-P16

AWBC 0600 20-G-P16-K

AWBC 0600 20-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

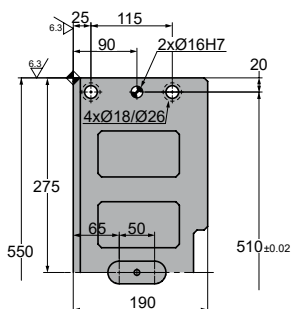
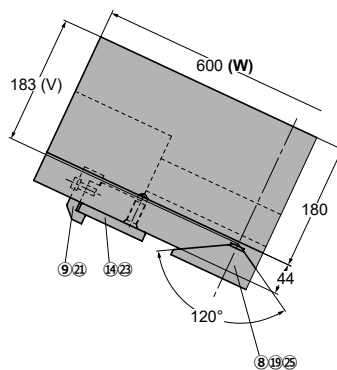
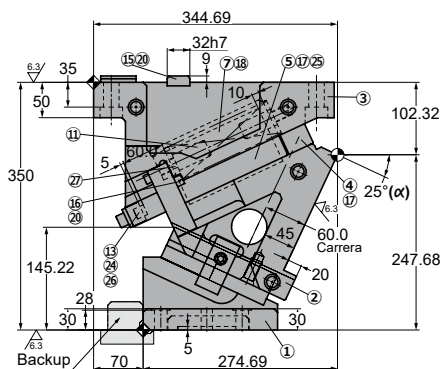
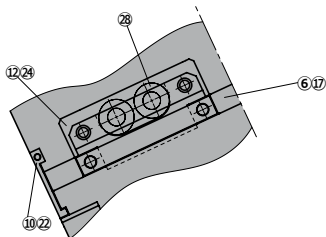
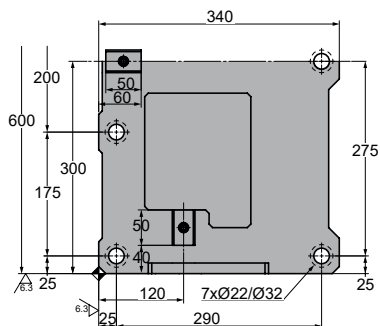
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

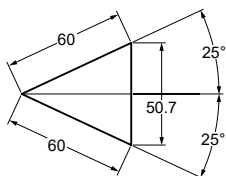
Aerial cam for pierce and flange

**AZOL
GAS** 

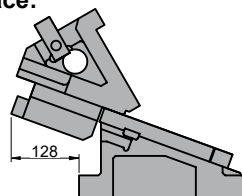
AWBC 0600 25



◦Cam diagram:





◦Desassembling space:





AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	268.3	AWBC	0600	25
			 ---	 26918.9 (2745.0)				



Order: Model (W) (α)
AWBC 0600 25

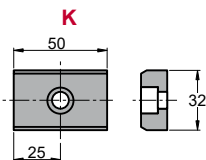
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

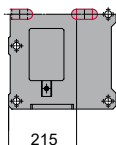
K - KF

KEY

KF

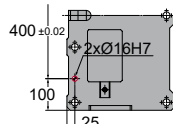


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 25-K

AWBC 0600 25-G-P16

AWBC 0600 25-G-P16-K

AWBC 0600 25-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

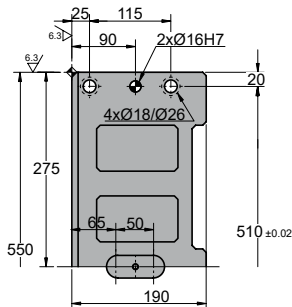
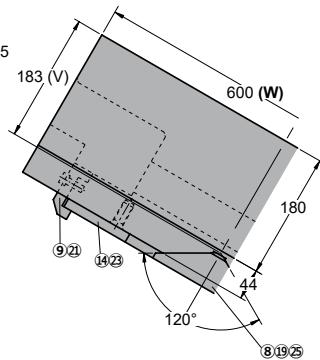
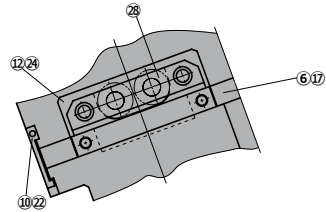
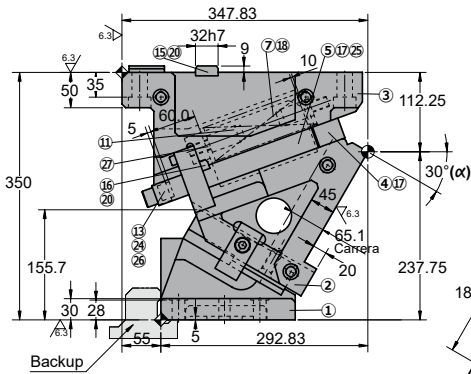
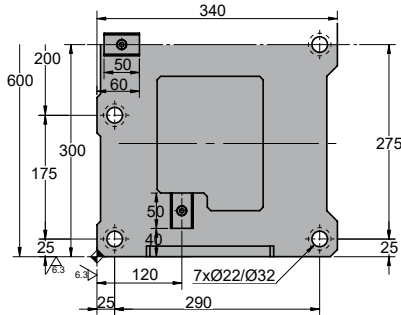
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

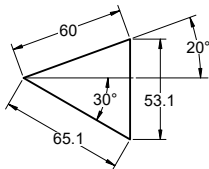
AWBC 0600

Aerial cam for pierce and flange

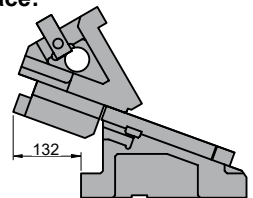
AWBC 0600 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
65.1	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	276.6	AWBC	0600	30
			---	26918.9 (2745.0)				



Order: Model (W) (α)

AWBC 0600 30

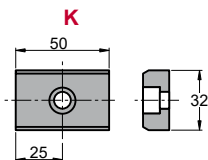
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

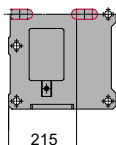
K - KF

KEY

KF

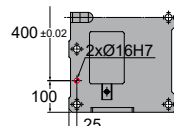


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 30-K

AWBC 0600 30-G-P16

AWBC 0600 30-G-P16-K

AWBC 0600 30-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

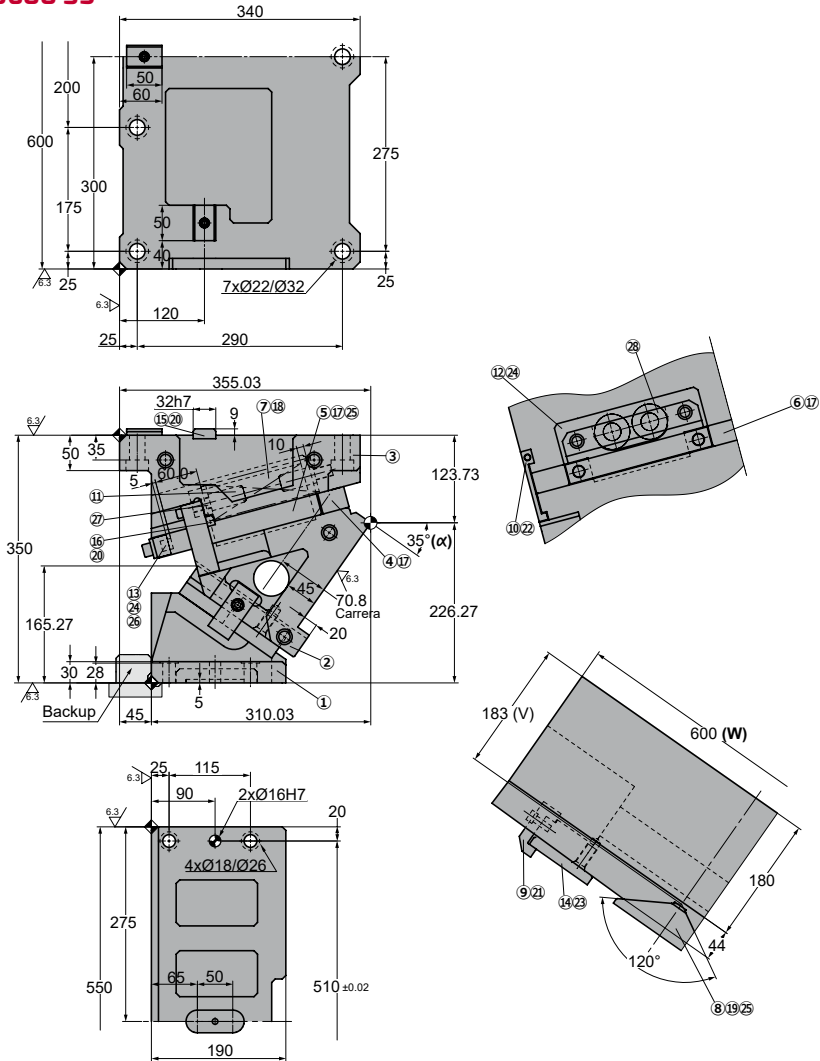
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

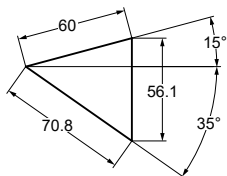
Aerial cam for pierce and flange

**AZOL
GAS** 

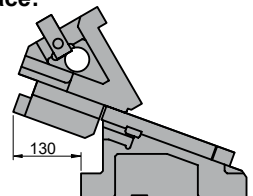
AWBC 0600 35



◦Cam diagram:





◦Desassembling space:





AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.8	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	276.0	AWBC	0600	35
			 ---	 26918.9 (2745.0)				



Order: Model (W) (α)
AWBC 0600 35

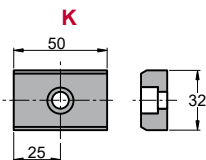
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

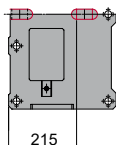
K - KF

KEY

KF

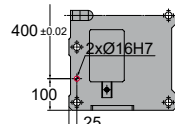


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



- AWBC 0600 35-K**
- AWBC 0600 35-G-P16**
- AWBC 0600 35-G-P16-K**
- AWBC 0600 35-G-P16-KF**



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

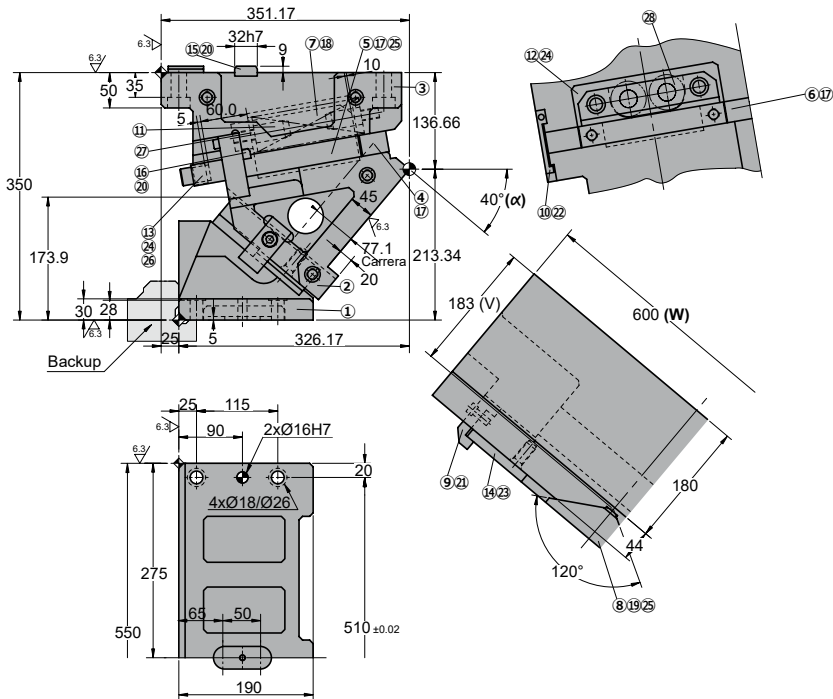
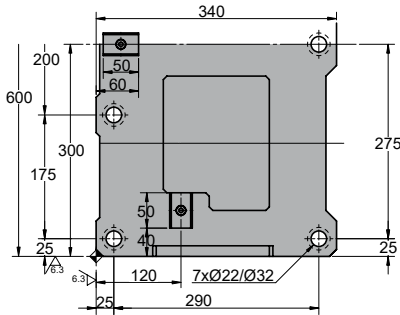
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

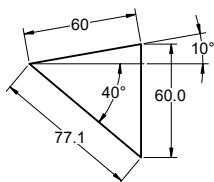
Aerial cam for pierce and flange

**AZOL
GAS** 

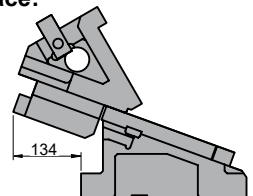
AWBC 0600 40





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.1	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	285.2	AWBC	0600	40
			 ---	 26918.9 (2745.0)				



Order: Model (W) (α)
AWBC 0600 40

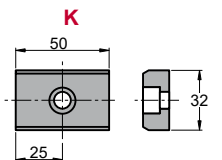
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

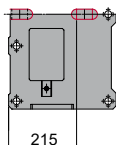
K - KF

KEY

KF

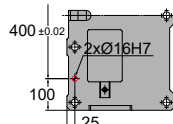


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 40-K

AWBC 0600 40-G-P16

AWBC 0600 40-G-P16-K

AWBC 0600 40-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

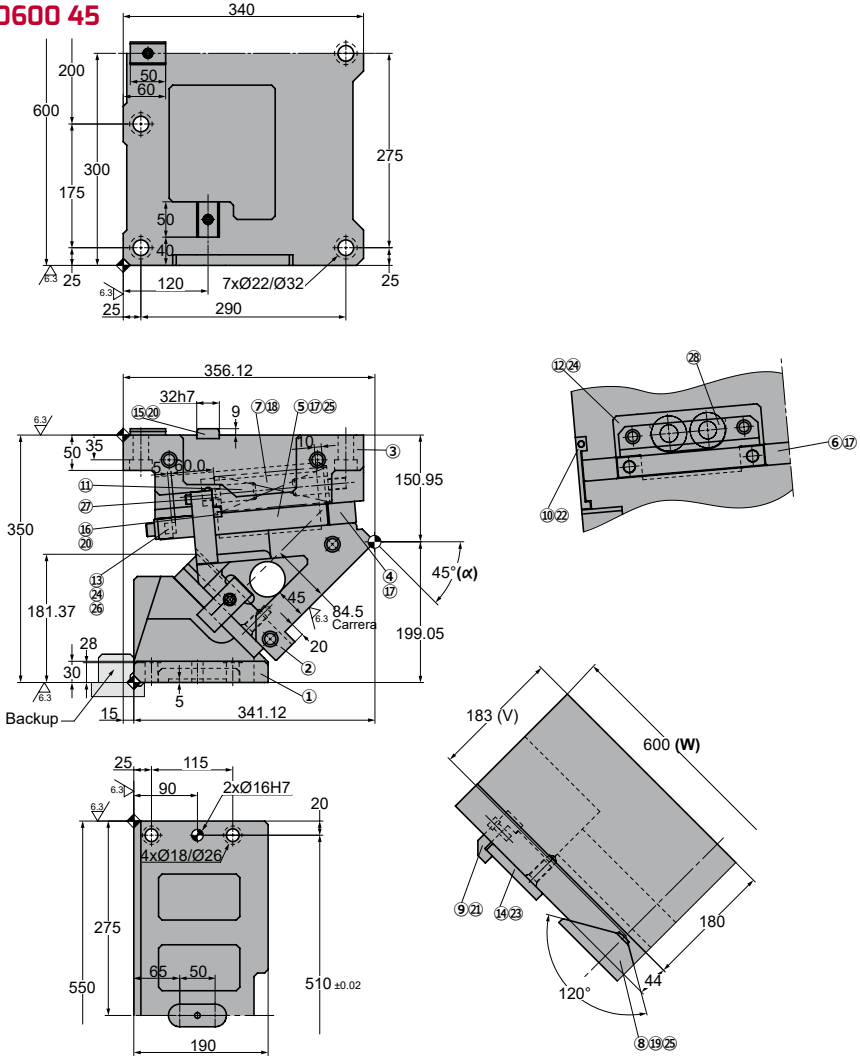
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

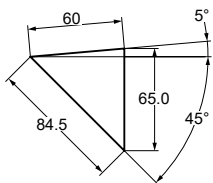
Aerial cam for pierce and flange



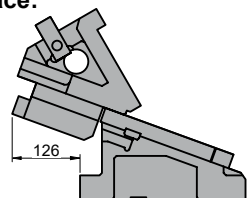
AWBC 0600 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
84.5	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	284.4	AWBC	0600	45
			---	26918.9 (2745.0)				



Order: Model (W) (α)
AWBC 0600 45

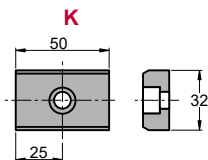
Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

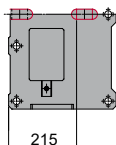
K - KF

KEY

KF

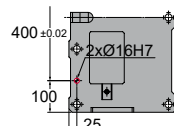


4 x M8x15



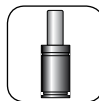
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 45-K

AWBC 0600 45-G-P16

AWBC 0600 45-G-P16-K

AWBC 0600 45-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

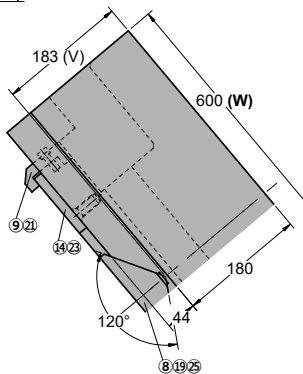
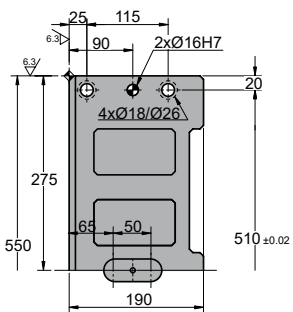
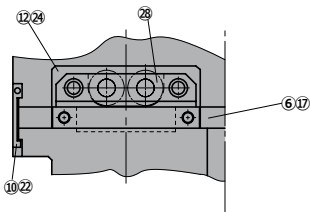
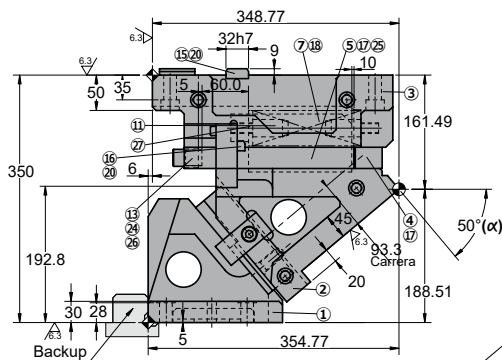
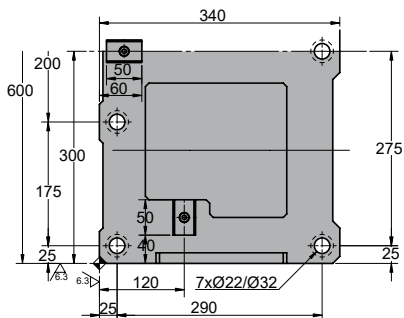
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

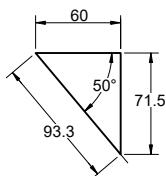
Aerial cam for pierce and flange



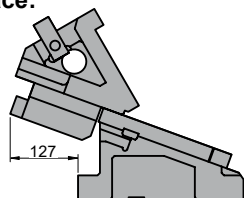
AWBC 0600 50





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
93.3	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	283.5	AWBC	0600	50
			 ---	 26918.9 (2745.0)				



Order: Model (W) (α)

AWBC 0600 50

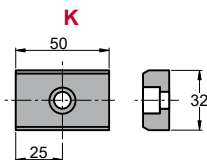
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KF

KEY

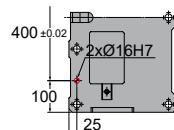
KF



4 x M8x15

P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 50-K

AWBC 0600 50-G-P16

AWBC 0600 50-G-P16-K

AWBC 0600 50-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

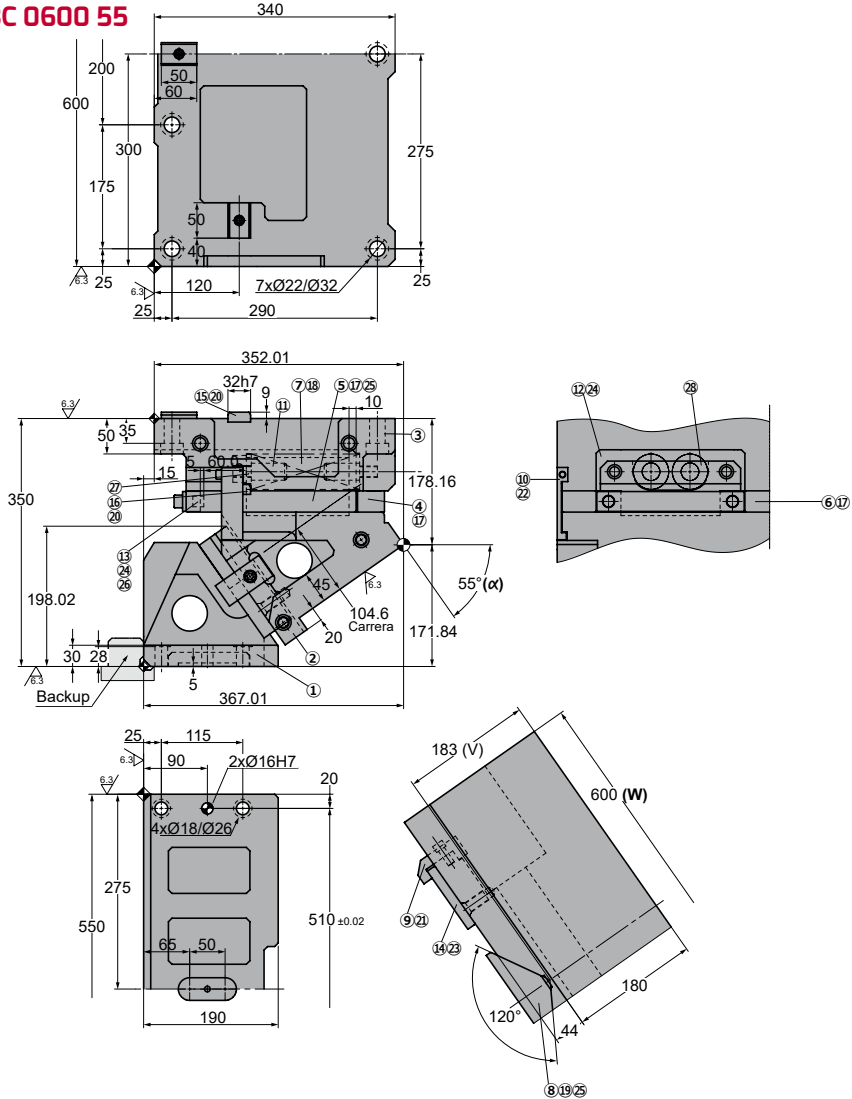
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

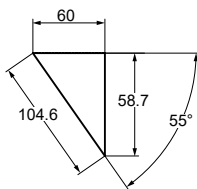
Aerial cam for pierce and flange

**AZOL
GAS** 

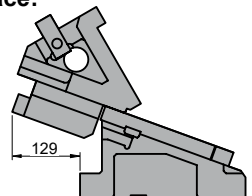
AWBC 0600 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
104.6	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	292.0	AWBC	0600	55
			---	26918.9 (2745.0)				



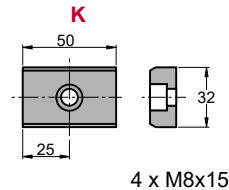
Order: Model (W) (α)
AWBC 0600 55

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K - KF

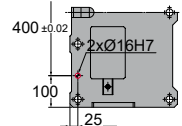
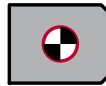
KEY



4 x M8x15

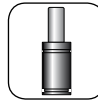
P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 55-K

AWBC 0600 55-G-P16

AWBC 0600 55-G-P16-K

AWBC 0600 55-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

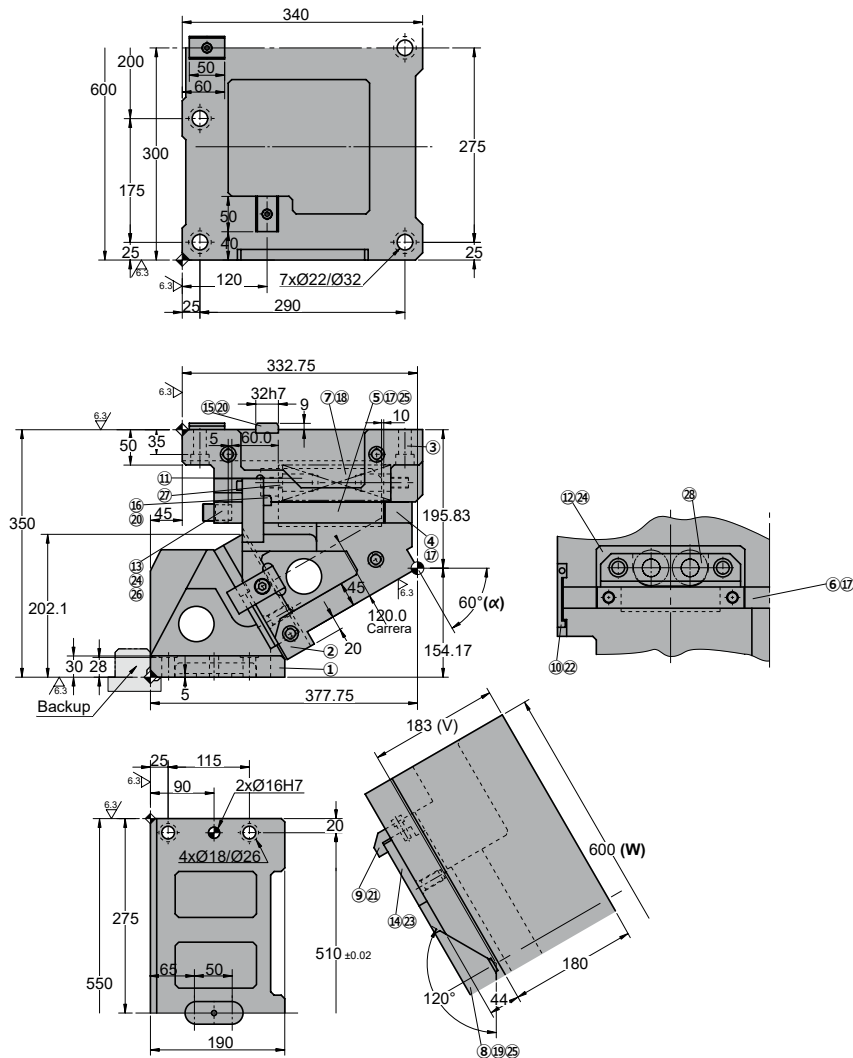
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600

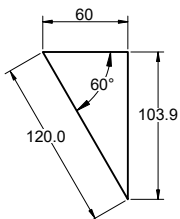
Aerial cam for pierce and flange

**AZOL
GAS** 

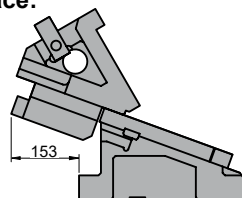
AWBC 0600 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
120.0	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	295.6	AWBC	0600	60
			---	26918.9 (2745.0)				



Order: Model (W) (α)

AWBC 0600 60

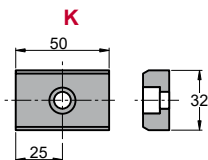
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

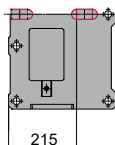
K - KF

KEY

KF

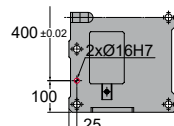


4 x M8x15



P PINS

P16 - Ø16 H7.



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



AWBC 0600 60-K

AWBC 0600 60-G-P16

AWBC 0600 60-G-P16-K

AWBC 0600 60-G-P16-KF



SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉙	Gas Spring	4	FD 750 063 (87 Bar)

AWBC 0600



Aerial cam for pierce and flange

General information



ASGN 0050
ASGN 0065



ASGN 0080



ASGN 0150

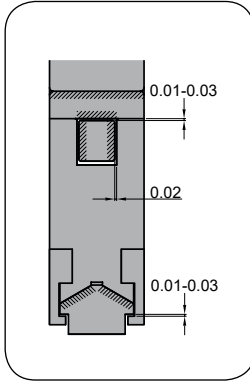


ASGN 0200
ASGN 0300

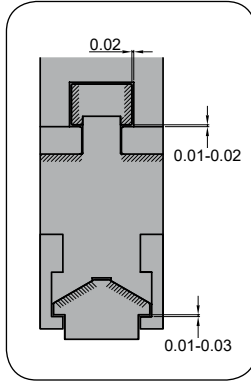
- Aerial cam.
- Angles from 0° to 65° with increments of 5°. (0° to 75° for ASGN 50) (0° to 60° for ASGN 65).
- “V” shaped sliding for auto-centered.
- Slider easy desassembly from the rear. (Except ASGN 0050 y 0065).

Adjustment clearances

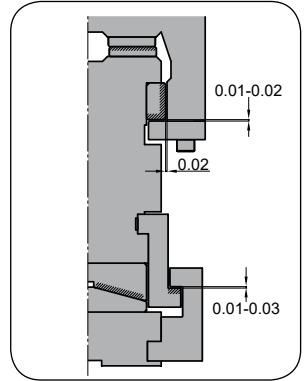
ASGN 0050 / 0080



ASGN 0065



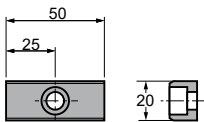
ASGN 0150 / 0200 / 0300



Keys

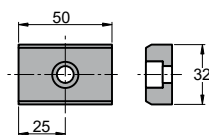
K

ASGN 0050 / 0065



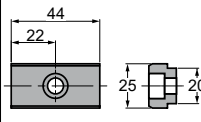
K

ASGN 0080 / 0150 / 0200 / 0300



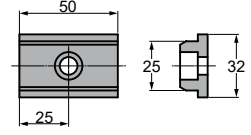
KU

ASGN 0050 / 0065



KU

ASGN 0080 / 0150 / 0200 / 0300



Assembling and disassembling

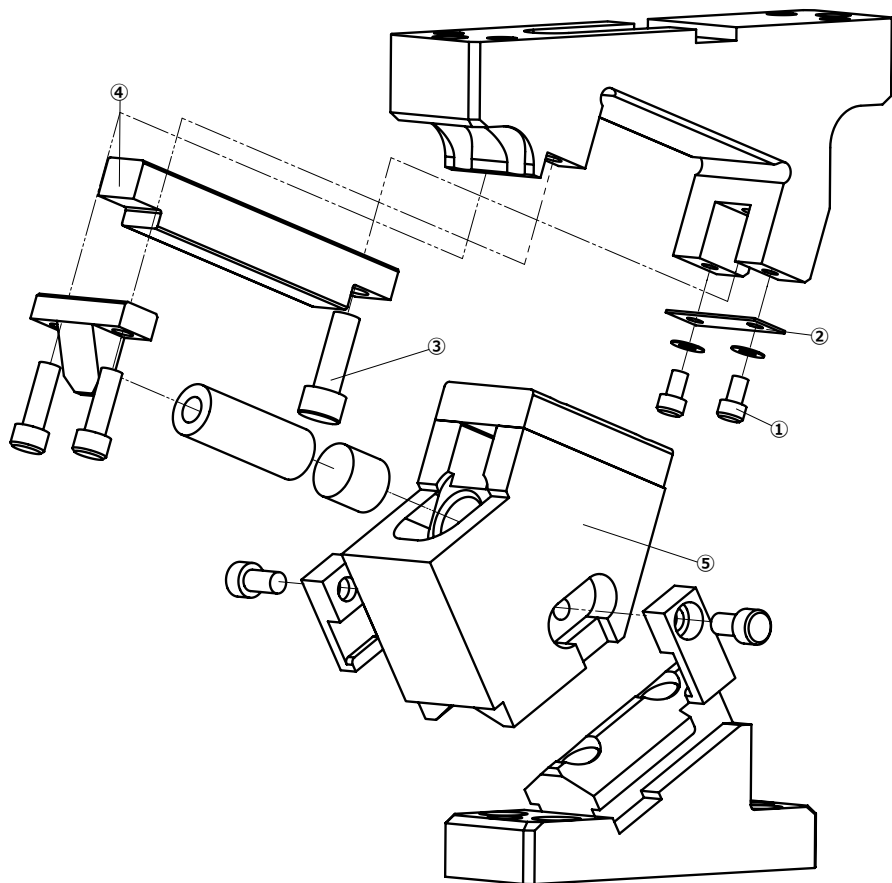
ASGN 0050 / 0080

Disassembling process

- Unscrew ① pieces and remove security plate ②.
- Unscrew ③.
- Push guide bar ④ and remove cam slider ⑤.

Assembling process

- Make sure that there are no metal shavings or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

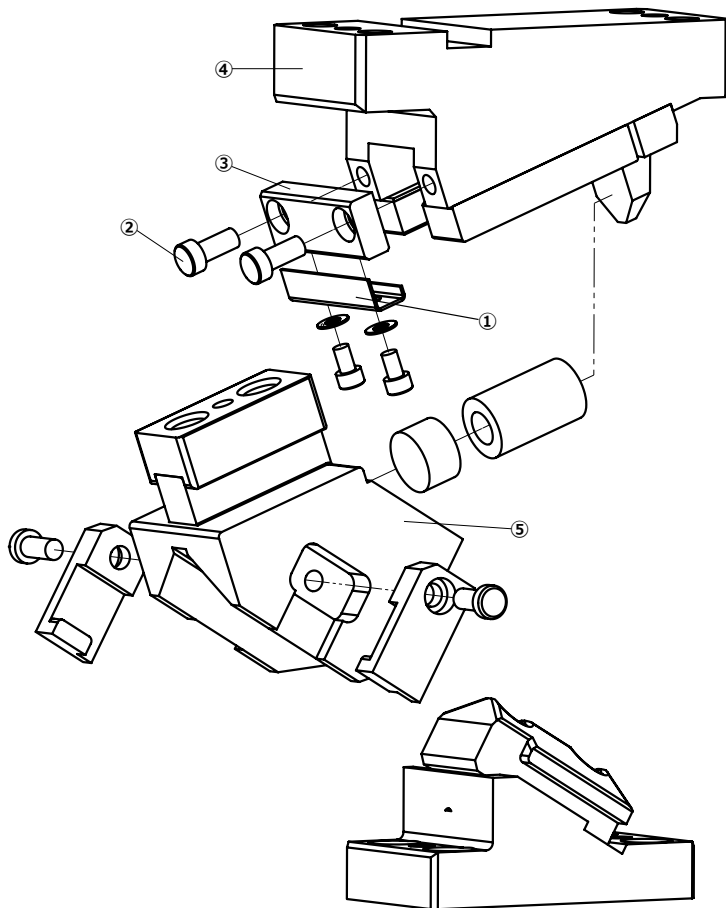
ASGN 0065

Disassembling process

- Unmount security plate ①.
- Unscrew ② pieces and remove stopper plate ③.
- Remove cam slider ⑤ on cam support ④ from the rear.

Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

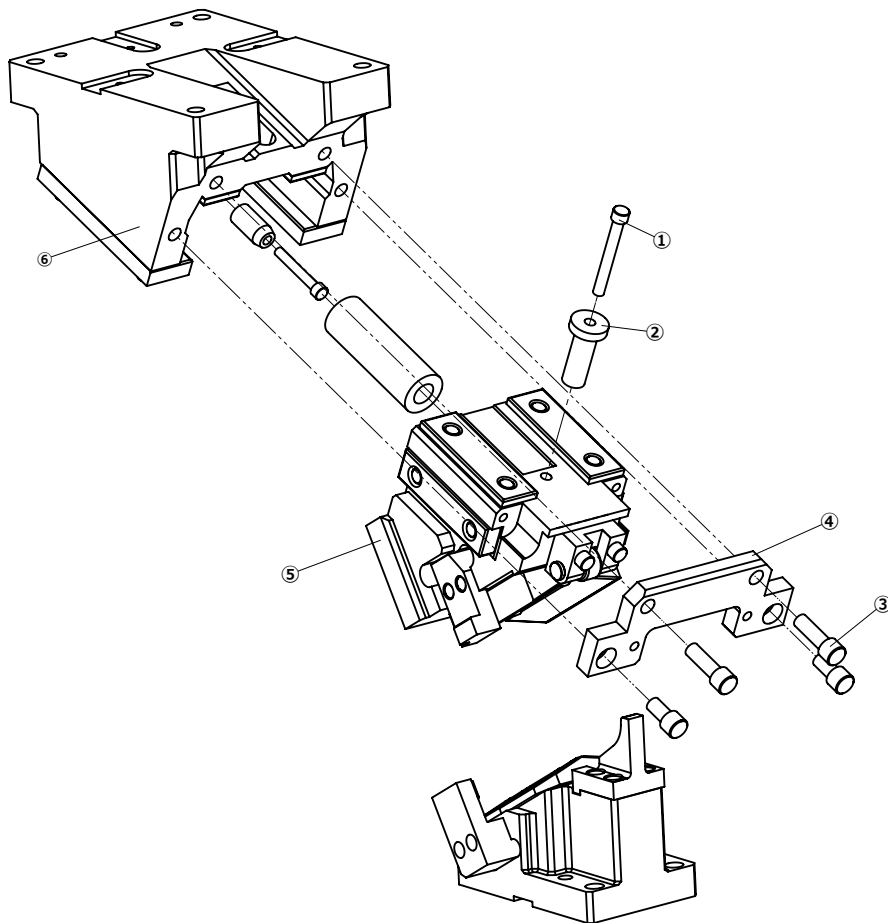
ASGN 0150 / 0200 / 0300

Disassembling process

- Unscrew ① pieces and remove security guide shaft ②.
- Unscrew ③ and remove stoper plate ④.
- Remove cam slider ⑤ on cam support ⑥ from the rear.

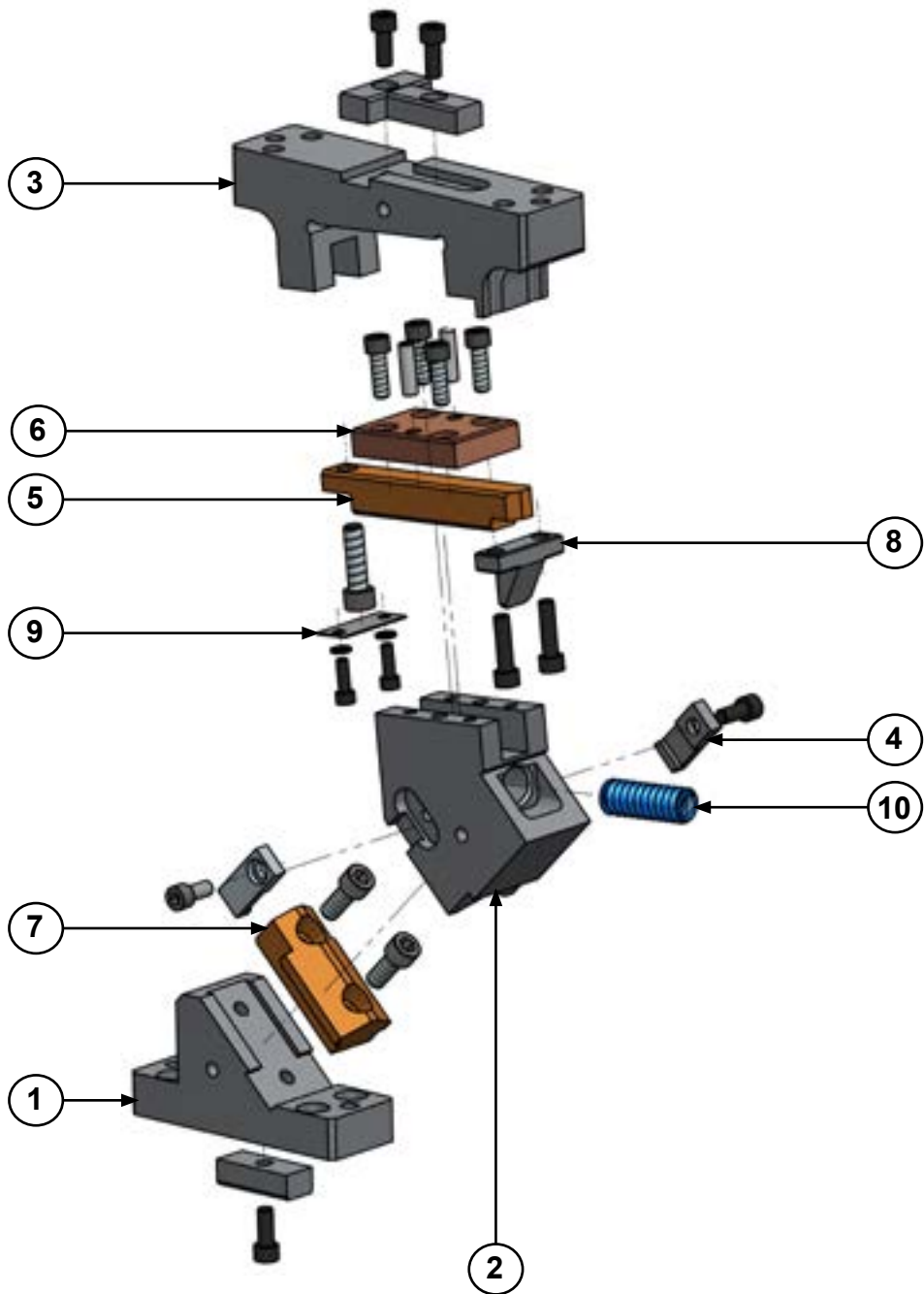
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ASGN 0050

Aerial cam for pierce

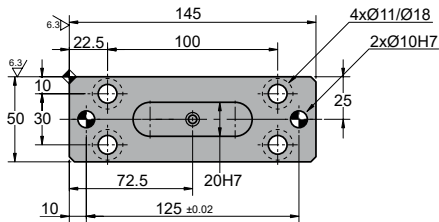
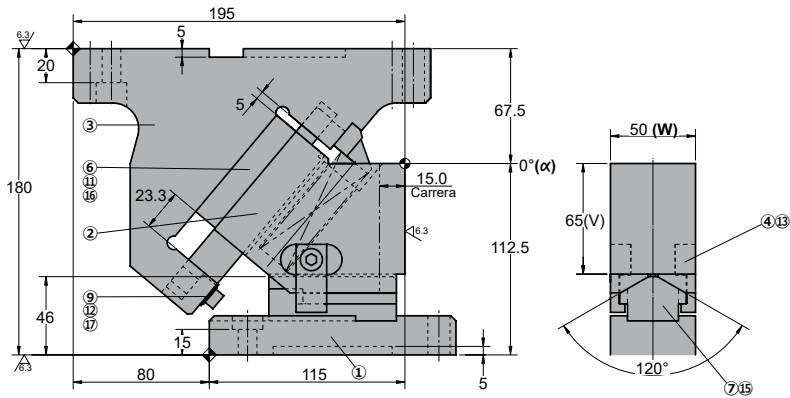
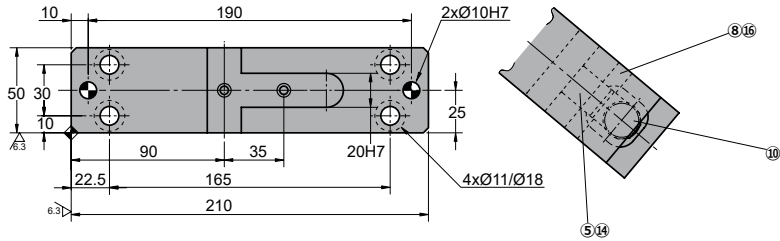


ASGN 0050

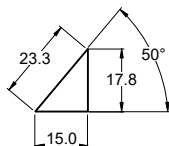
Aerial cam for pierce

**AZOL
GAS** 

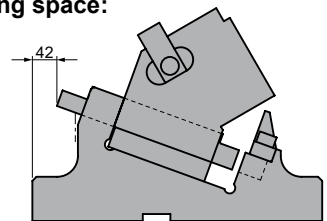
ASGN 0050 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.0	29.4 (3.0)	58.8 (6.0)	184.2 (18.8)	1097.6 (111.7)	10.6	ASGN	0050	00



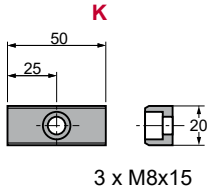
Order: Model (W) (α)

ASGN 0050 00

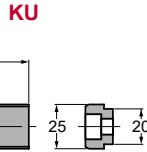
Ejemplo de pedido en español: [descargar catálogo español](#)
 Réplica de la aplicación en inglés: [descargar catálogo](#)
 Ejemplo de pedido en inglés: [descargar catálogo](#)

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 00-K

ASGN 0050 00-P13

ASGN 0050 00-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-102
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

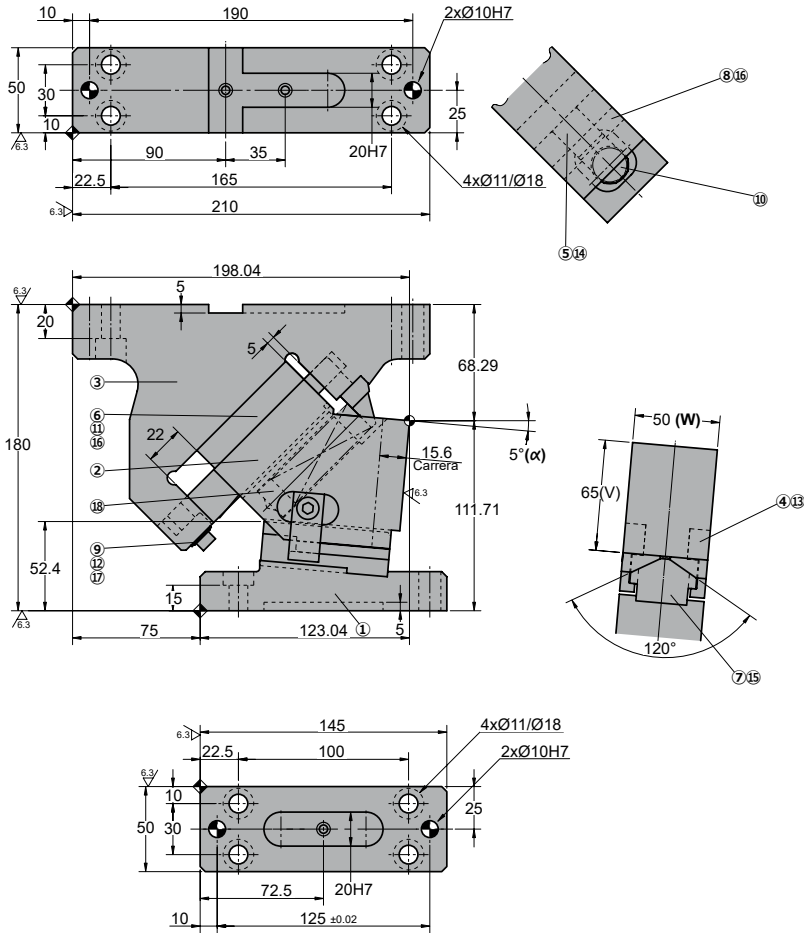
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

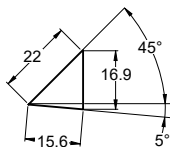
Aerial cam for pierce

**AZOL
GAS**

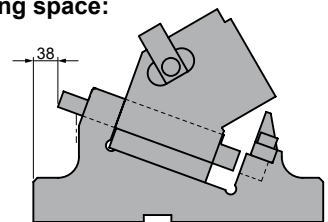
ASGN 0050 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.6	29.4 (3.0)	58.8 (6.0)	179.6 (18.3)	1167.4 (118.8)	10.3	ASGN	0050	05



Order: Model (W) (α)

ASGN 0050 05

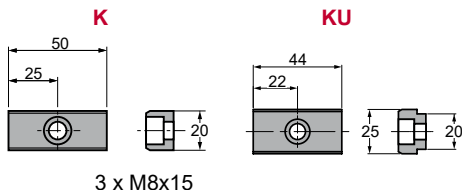
Ejemplo de pedido en español: ASGN 0050 05
 Réplicas de aplicación en otros idiomas: ASGN 0050 05

OPTIONS

K - KU

KEY

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 05-K

ASGN 0050 05-P13

ASGN 0050 05-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

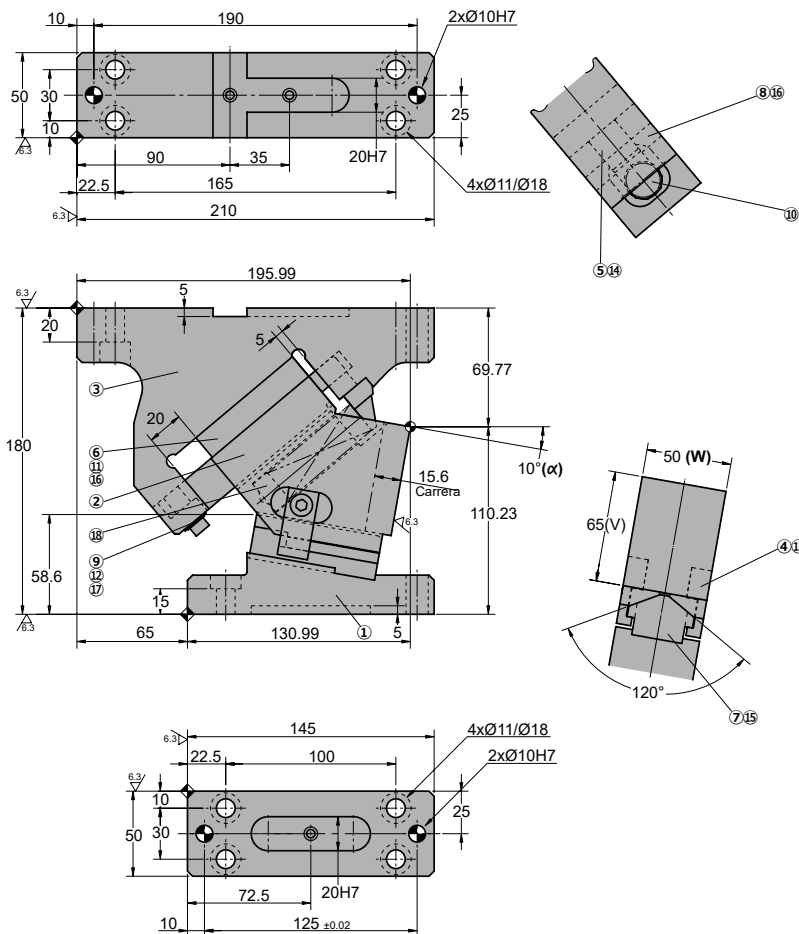
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

ASGN 0050

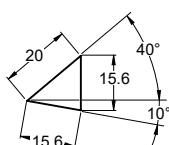
Aerial cam for pierce

**AZOL
GAS** 

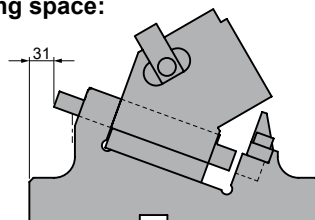
ASGN 0050 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.6	29.4 (3.0)	58.8 (6.0)	269.4 (27.4)	1167.4 (118.8)	9.9	ASGN	0050	10



Order: Model (W) (α)

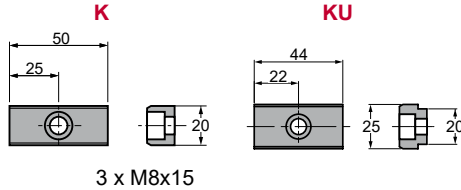
ASGN 0050 10

Ejemplo de pedido en español: [descargar catálogo](#)
 Réplica de la aplicación en inglés: [descargar catálogo](#)
 Ejemplo de pedido en inglés: [descargar catálogo](#)

OPTIONS

K - KU

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 10-K

ASGN 0050 10-P13

ASGN 0050 10-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

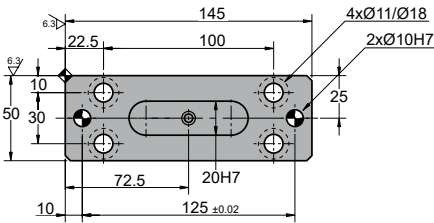
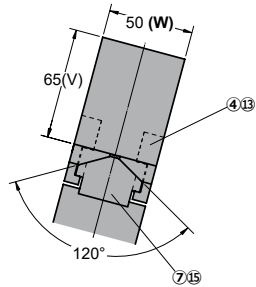
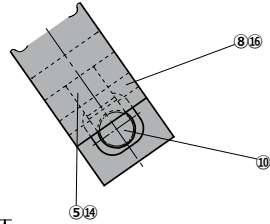
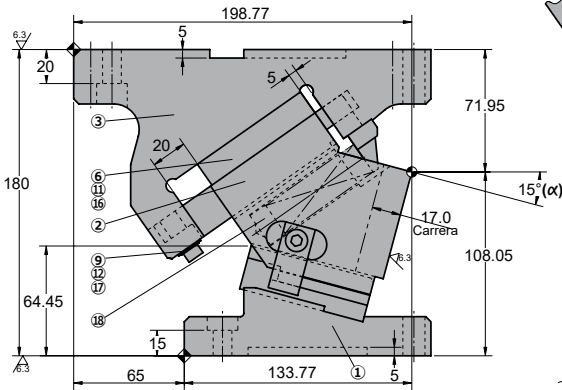
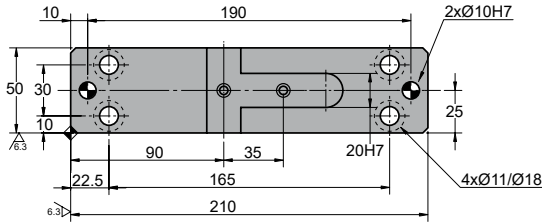
No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

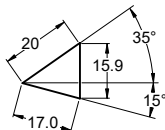
ASGN 0050

Aerial cam for pierce

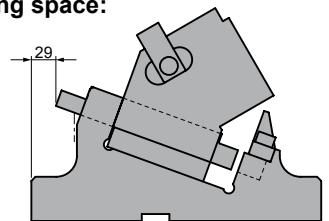
ASGN 0050 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
17.0	29.4 (3.0)	58.8 (6.0)	269.4 (27.4)	1167.4 (118.8)	9.7	ASGN	0050	15



Order: Model (W) (α)

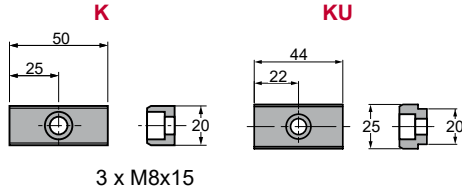
ASGN 0050 15

Ejemplo de pedido en español: [descargar catálogo español](#)
 Réception de commande en français: [descargar catálogo](#)
 Order examples in English: [download catalog](#) de opciones.

OPTIONS

K - KU

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 15-K

ASGN 0050 15-P13

ASGN 0050 15-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

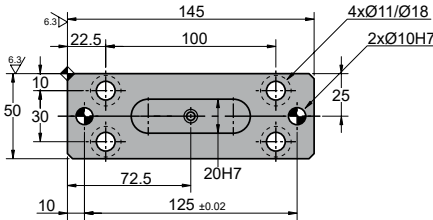
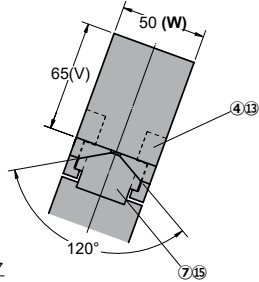
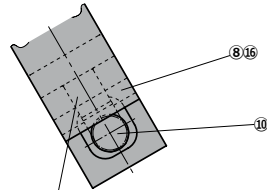
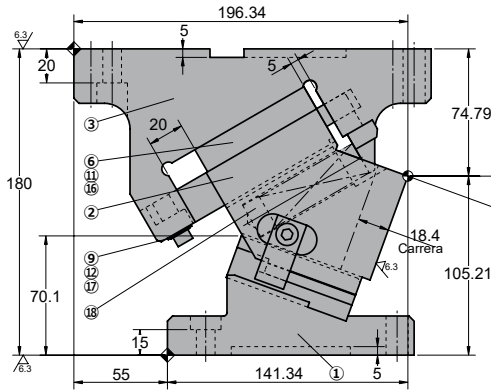
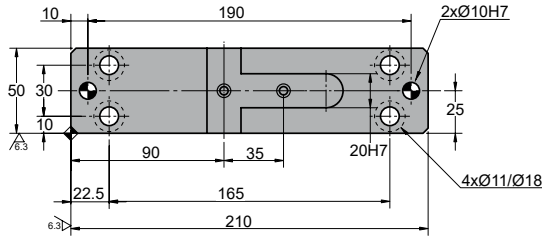
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

ASGN 0050

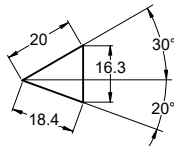
Aerial cam for pierce



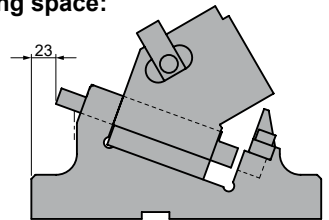
ASGN 0050 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
18.4	29.4 (3.0)	58.8 (6.0)	269.4 (27.4)	1167.4 (118.8)	9.4	ASGN	0050	20



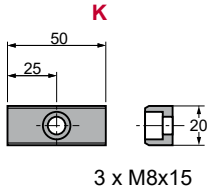
Order: Model (W) (α)

ASGN 0050 20

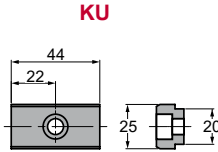
Ejemplo de pedido en español: ASGN 0050 20
 Réplicas aplicando opciones: ASGN 0050 20-P13

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 20-K

ASGN 0050 20-P13

ASGN 0050 20-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

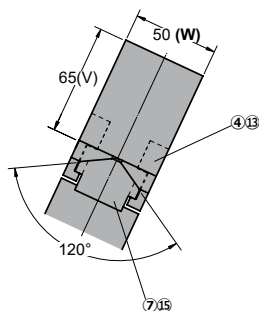
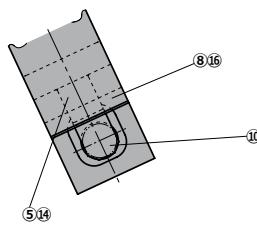
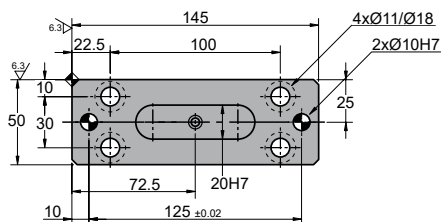
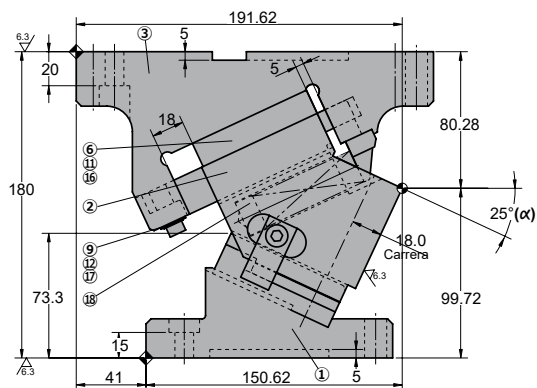
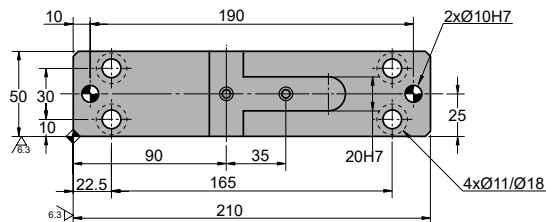
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

ASGN 0050

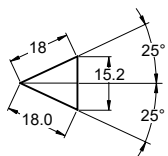
Aerial cam for pierce

**AZOL
GAS** 

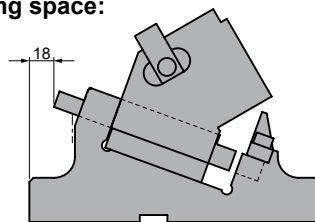
ASGN 0050 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
18.0	29.4 (3.0)	58.8 (6.0)	359.2 (36.6)	1167.4 (118.8)	9.4	ASGN	0050	25



Order: Model (W) (α)

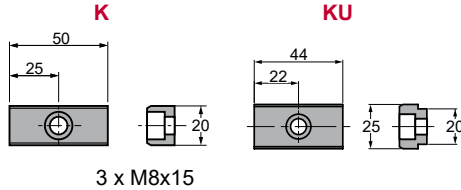
ASGN 0050 25

Ejemplo de pedido en español: [descargar catálogo](#)
 Réplica de la aplicación en inglés: [descargar catálogo](#)
 Ejemplo de pedido en inglés: [descargar catálogo](#)

OPTIONS

K - KU

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 25-K

ASGN 0050 25-P13

ASGN 0050 25-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

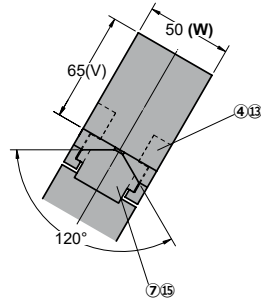
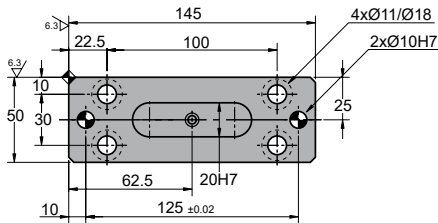
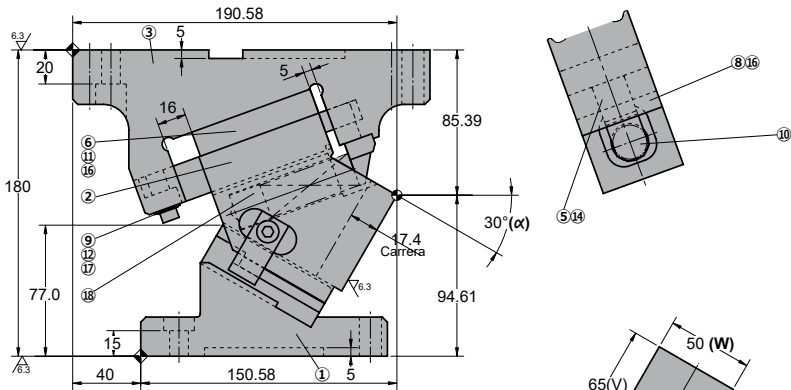
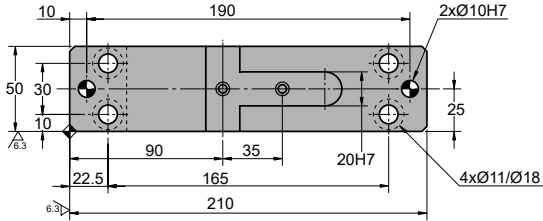
No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

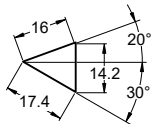
ASGN 0050

Aerial cam for pierce

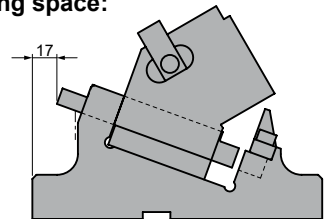
ASGN 0050 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
17.4	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.2	ASGN	0050	30



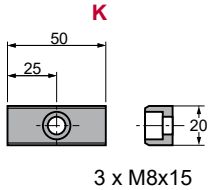
Order: Model (W) (α)

ASGN 0050 30

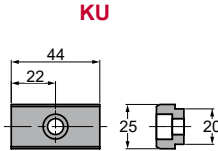
Ejemplo de pedido en español: [descargar catálogo español](#)
 Réplica de la aplicación en inglés: [descargar catálogo](#)
 Réplica de la aplicación en portugués: [descargar catálogo](#)

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 30-K

ASGN 0050 30-P13

ASGN 0050 30-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

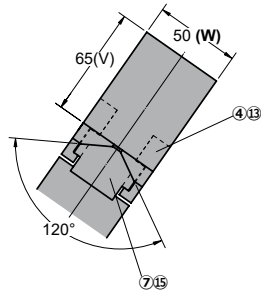
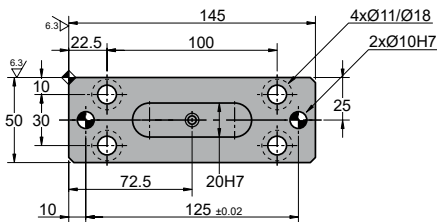
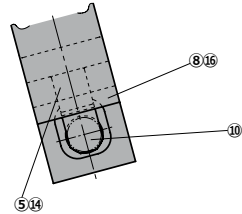
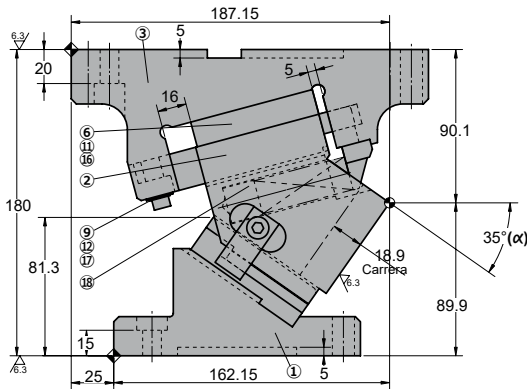
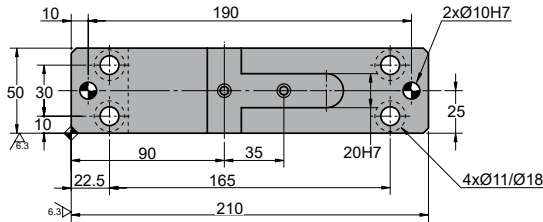
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

ASGN 0050

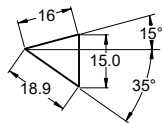
Aerial cam for pierce



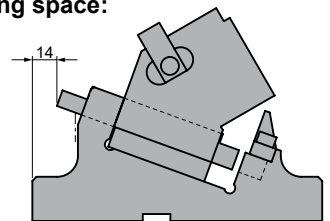
ASGN 0050 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
18.9	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.2	ASGN	0050	35



Order: Model (W) (α)

ASGN 0050 35

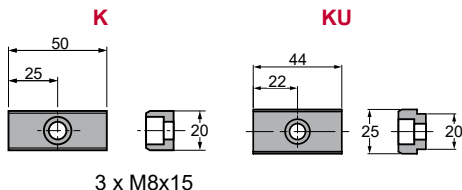
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OPTIONS

K - KU

KEY

P PINS



P13 - Ø13 H7.



Order Options: Model (W) (α)-Option



ASGN 0050 35-K

ASGN 0050 35-P13

ASGN 0050 35-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

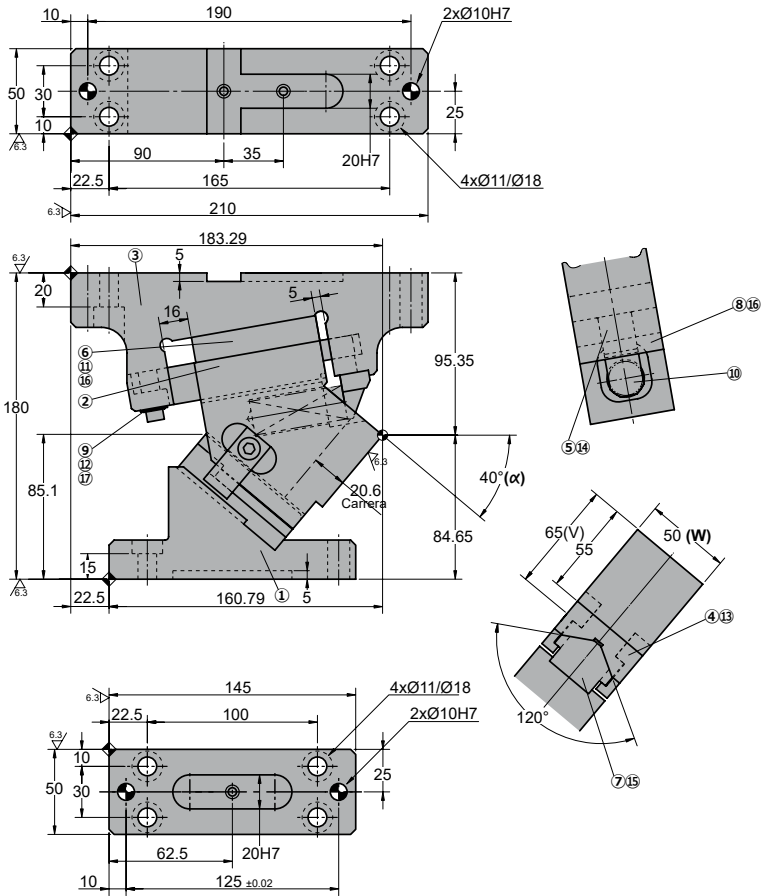
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

ASGN 0050

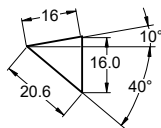
Aerial cam for pierce



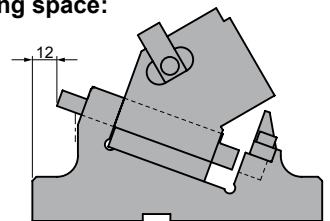
ASGN 0050 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
20.6	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.1	ASGN	0050	40



Order: Model (W) (α)

ASGN 0050 40

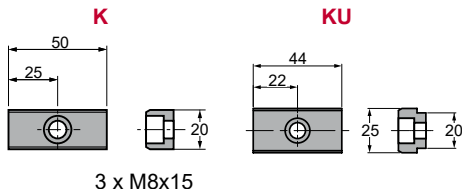
Ejemplo de pedido en español: ASGN 0050 40
 Réplicas aplicando opciones: ASGN 0050 40-K
 Réplicas aplicando opciones: ASGN 0050 40-P13
 Réplicas aplicando opciones: ASGN 0050 40-P13-K

OPTIONS

K - KU

KEY

P PINS



P13 - Ø13 H7.



Order Options: Model (W) (α)-Option



ASGN 0050 40-K

ASGN 0050 40-P13

ASGN 0050 40-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

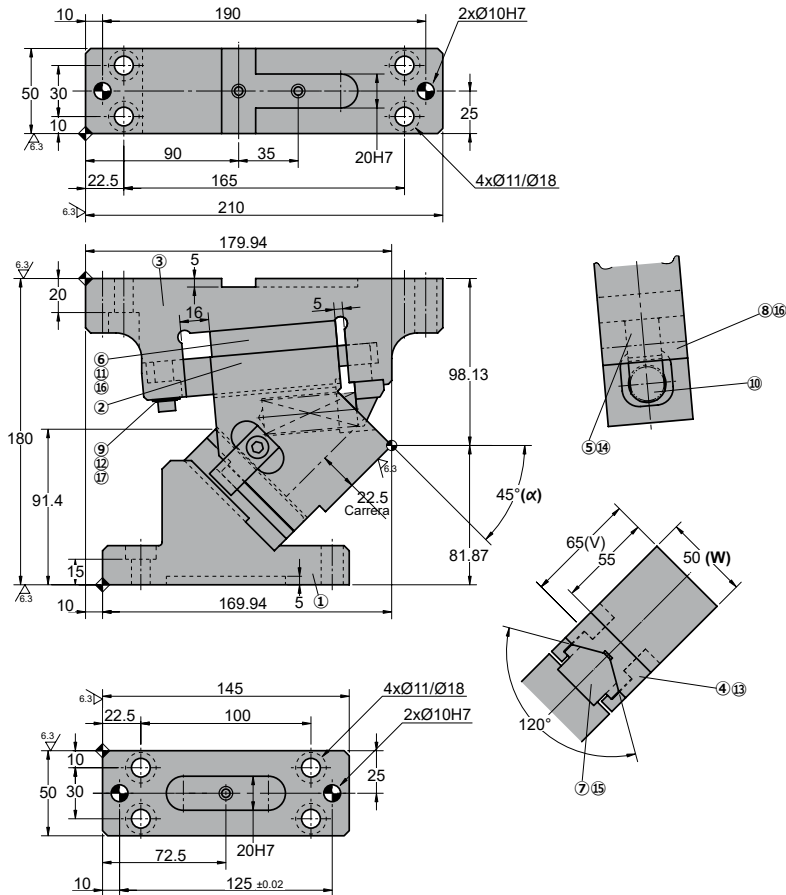
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

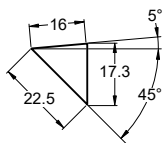
Aerial cam for pierce

**AZOL
GAS** 

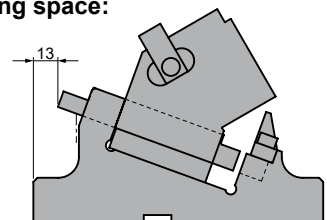
ASGN 0050 45



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
22.5	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.1	ASGN	0050	45



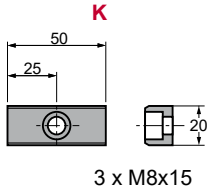
Order: Model (W) (α)

ASGN 0050 45

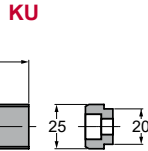
Ejemplo de pedido en español: ASGN 0050 45
 Réplica de la aplicación de opciones en catalán: ASGN 0050 45

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 45-K

ASGN 0050 45-P13

ASGN 0050 45-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

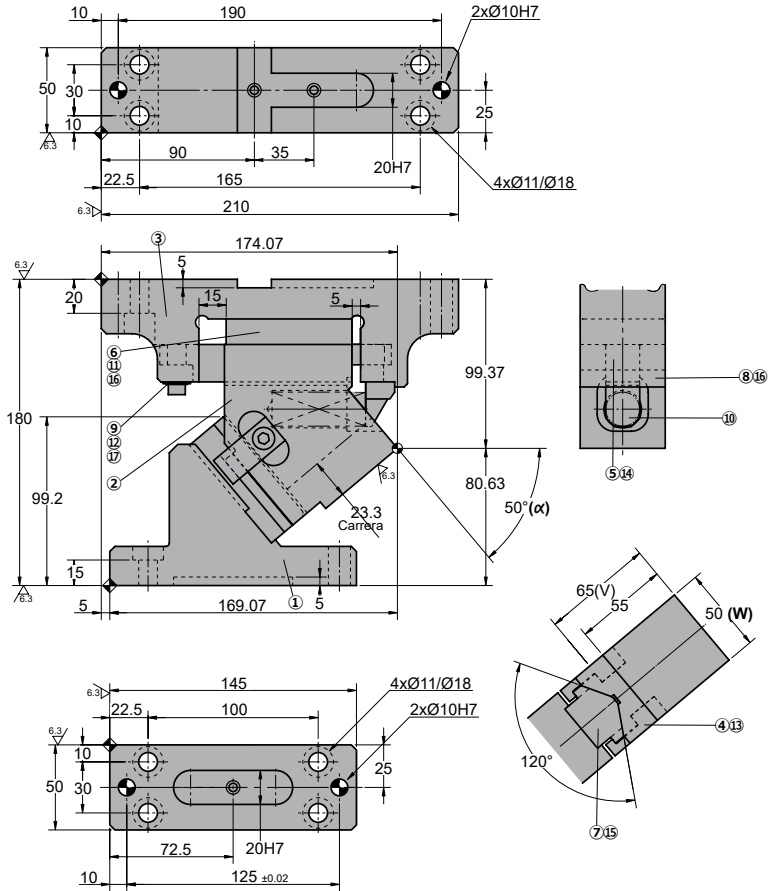
No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

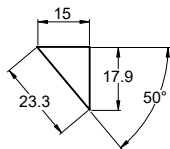
ASGN 0050

Aerial cam for pierce

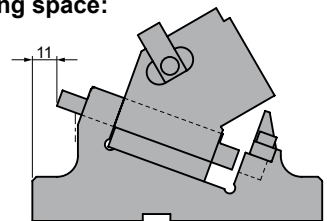
ASGN 0050 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
23.3	29.4 (3.0)	58.8 (6.0)	315.6 (32.2)	1104.6 (112.6)	9.0	ASGN	0050	50



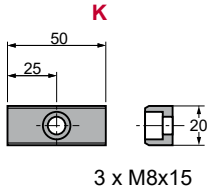
Order: Model (W) (α)

ASGN 0050 50

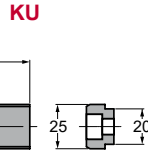
Ejemplo de pedido en español: [descargar catálogo](#)
 Réplica de la aplicación en inglés: [descargar catálogo](#)
 Ejemplo de pedido en inglés: [descargar catálogo](#)
 Réplica de la aplicación en español: [descargar catálogo](#)

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 50-K

ASGN 0050 50-P13

ASGN 0050 50-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

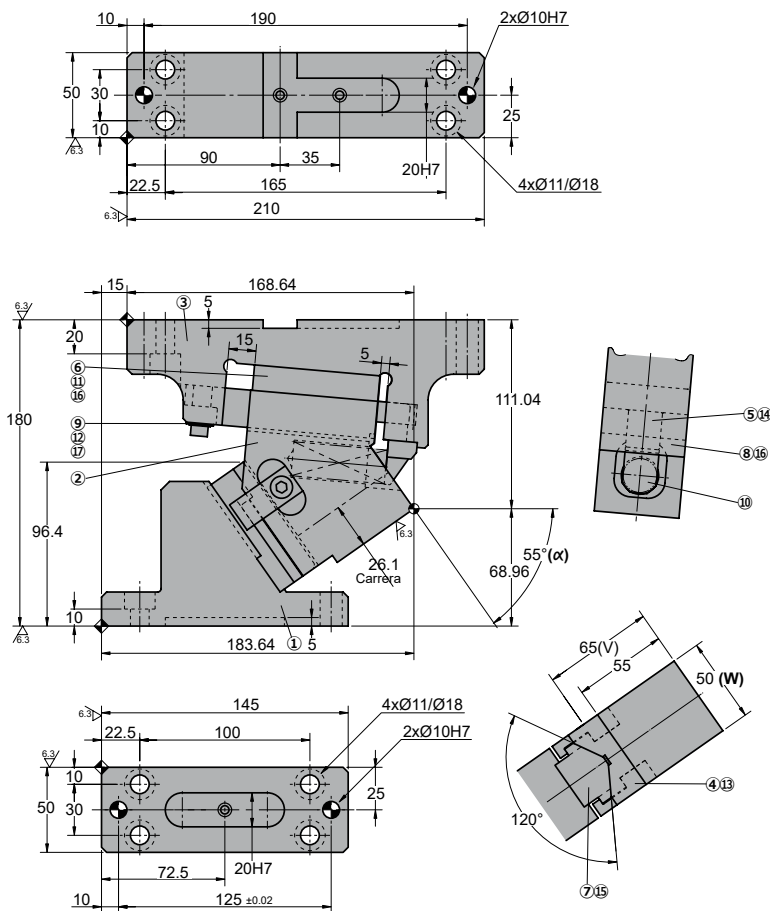
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

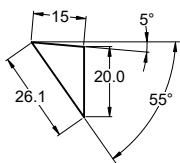
Aerial cam for pierce

**AZOL
GAS** 

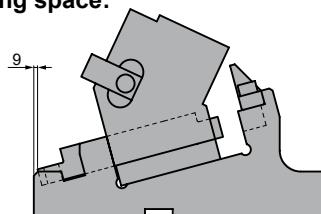
ASGN 0050 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
26.1	29.4 (3.0)	58.8 (6.0)	315.6 (32.2)	1104.6 (112.6)	9.5	ASGN	0050	55



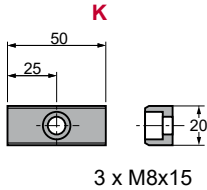
Order: Model (W) (α)

ASGN 0050 55

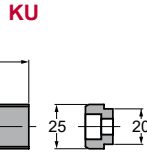
Ejemplo de pedido en español: ASGN 0050 55
 Réplicas aplicando opciones: ASGN 0050 55-K
 Réplicas aplicando opciones: ASGN 0050 55-P13
 Réplicas aplicando opciones: ASGN 0050 55-P13-K

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 55-K

ASGN 0050 55-P13

ASGN 0050 55-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

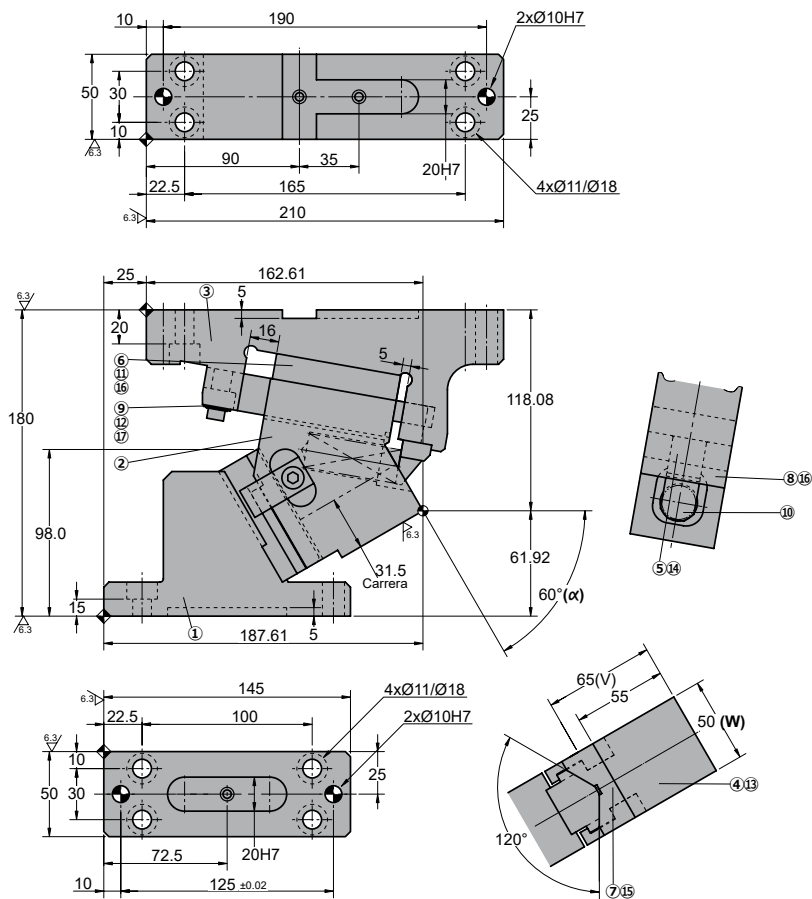
No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

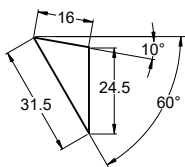
ASGN 0050

Aerial cam for pierce

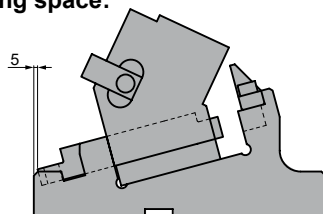
ASGN 0050 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
31.5	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.7	ASGN	0050	60



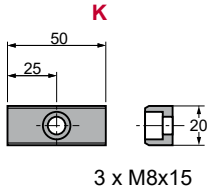
Order: Model (W) (α)

ASGN 0050 60

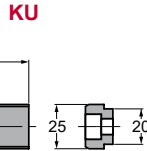
Ejemplo de pedido en español en el catálogo de opciones.
 Réplica de la aplicación de ejemplo en el catálogo de opciones.

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 60-K

ASGN 0050 60-P13

ASGN 0050 60-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

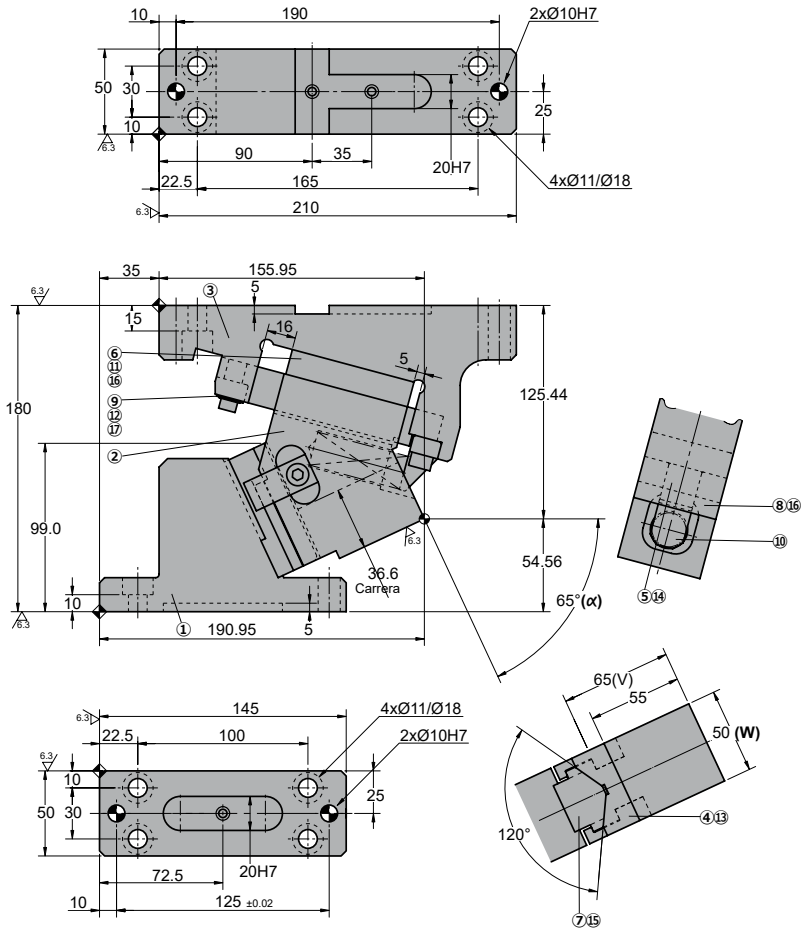
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

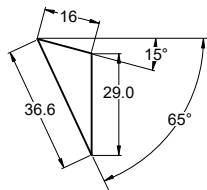
Aerial cam for pierce

**AZOL
GAS**

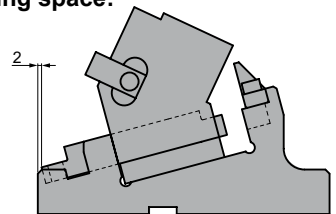
ASGN 0050 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
36.6	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	10.0	ASGN	0050	65



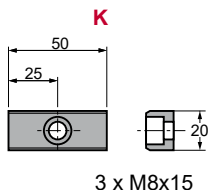
Order: Model (W) (α)

ASGN 0050 65

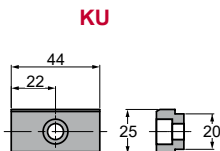
Ejemplo de pedido en español: ASGN 0050 65
 Réplicas aplicando opciones: ASGN 0050 65-K
 Réplicas aplicando opciones: ASGN 0050 65-P13
 Réplicas aplicando opciones: ASGN 0050 65-P13-K

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 65-K

ASGN 0050 65-P13

ASGN 0050 65-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

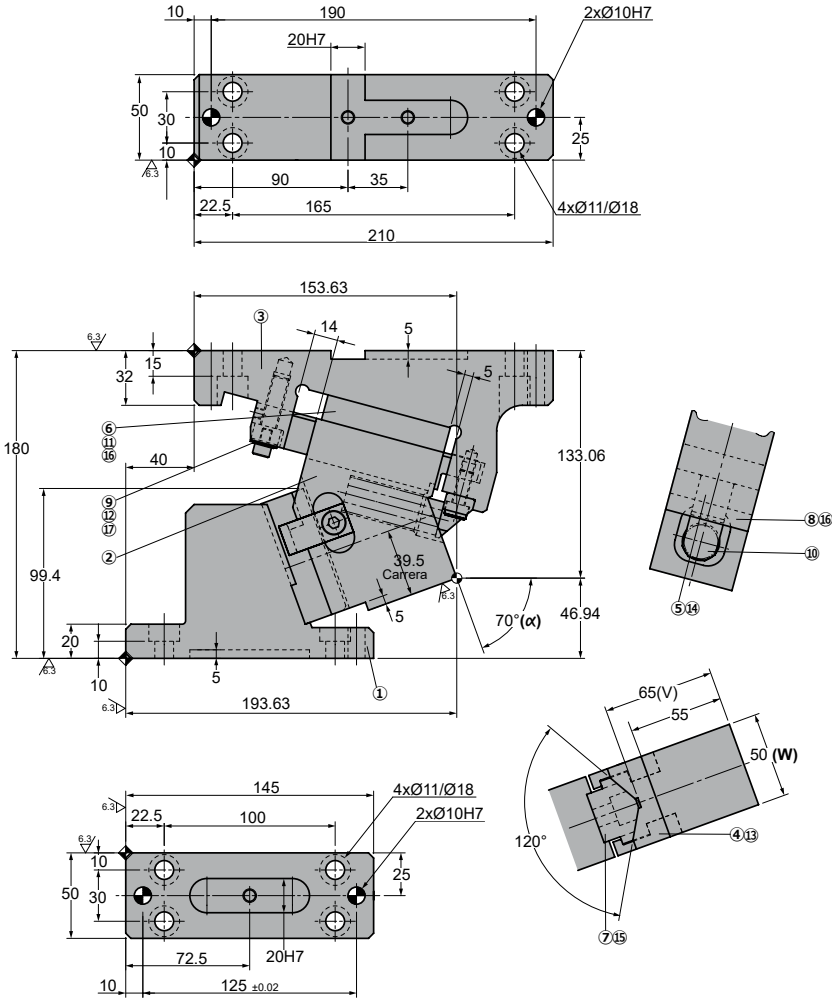
No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

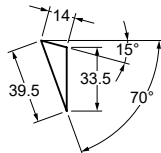
Aerial cam for pierce



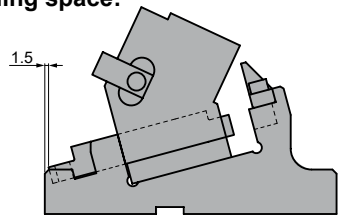
ASGN 0050 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.5	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	999.4 (101.9)	10.1	ASGN	0050	70



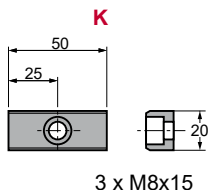
Order: Model (W) (α)

ASGN 0050 70

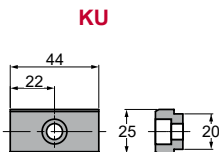
Ejemplo de pedido en español de acuerdo a la tabla de datos.
 Références applicables en français dans le catalogue.
 Ejemplo de pedido en inglés de acuerdo a la tabla de datos.
 Referencias aplicables en inglés en el catálogo de opciones.

OPTIONS

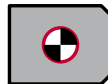
K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 70-K

ASGN 0050 70-P13

ASGN 0050 70-P13-K



SPARE PARTS:

⑦ Slider Guide

⑩ Coil Spring

COMPONENTS

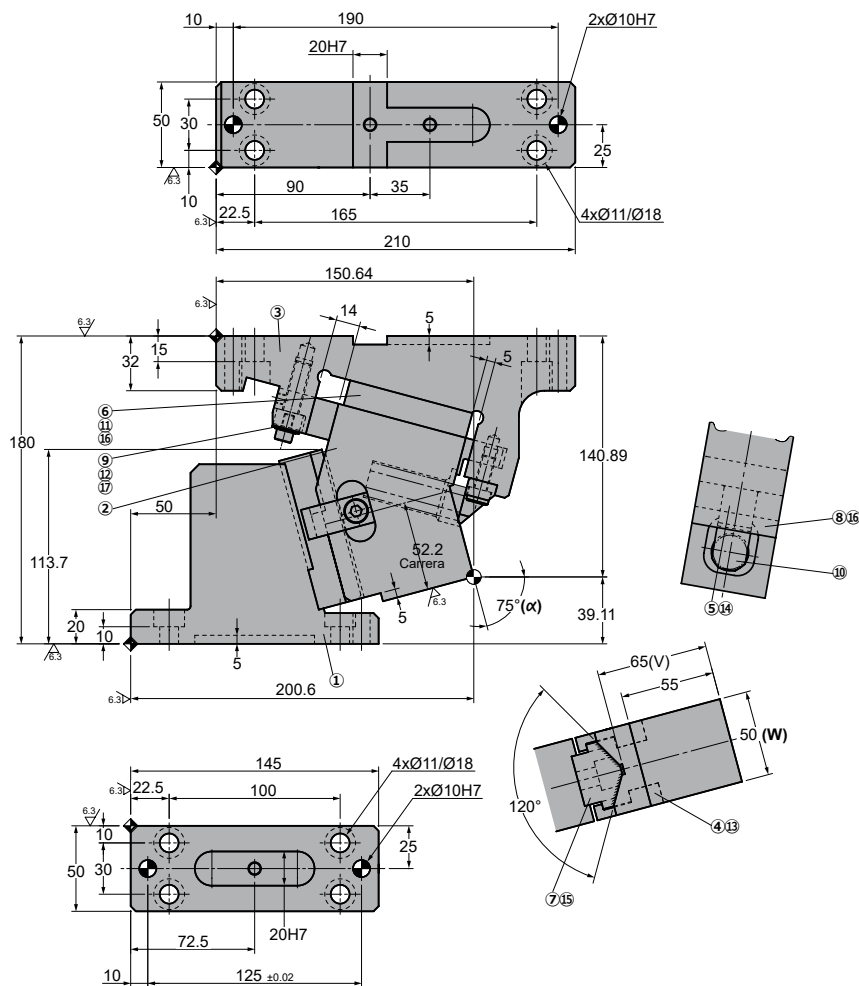
No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

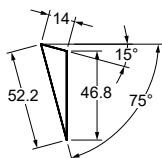
ASGN 0050

Aerial cam for pierce

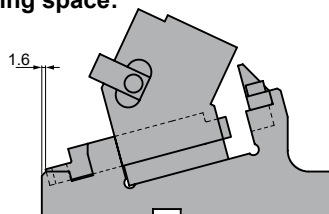
ASGN 0050 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
52.2	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	999.4 (101.9)	10.1	ASGN	0050	75



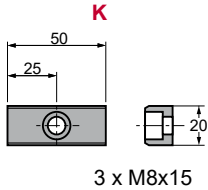
Order: Model (W) (α)

ASGN 0050 75

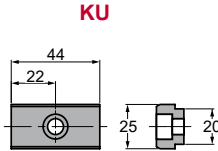
Ejemplo de pedido en español: [descargar catálogo](#)
 Réplicas aplicables a otros modelos de opciones.

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0050 75-K

ASGN 0050 75-P13

ASGN 0050 75-P13-K



SPARE PARTS:

- ⑦ Slider Guide
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

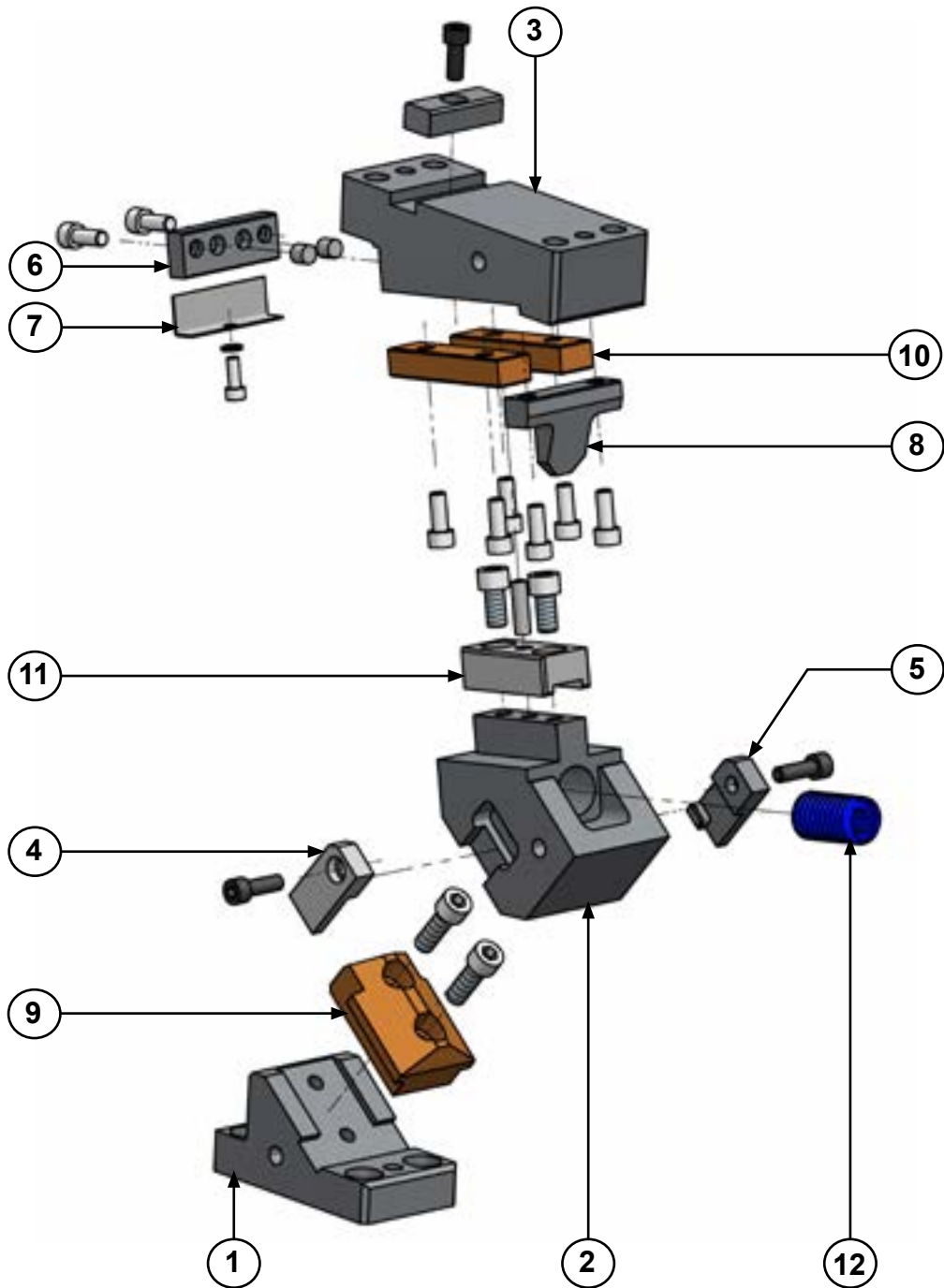
ASGN 0050



Aerial cam for pierce

ASGN 0065

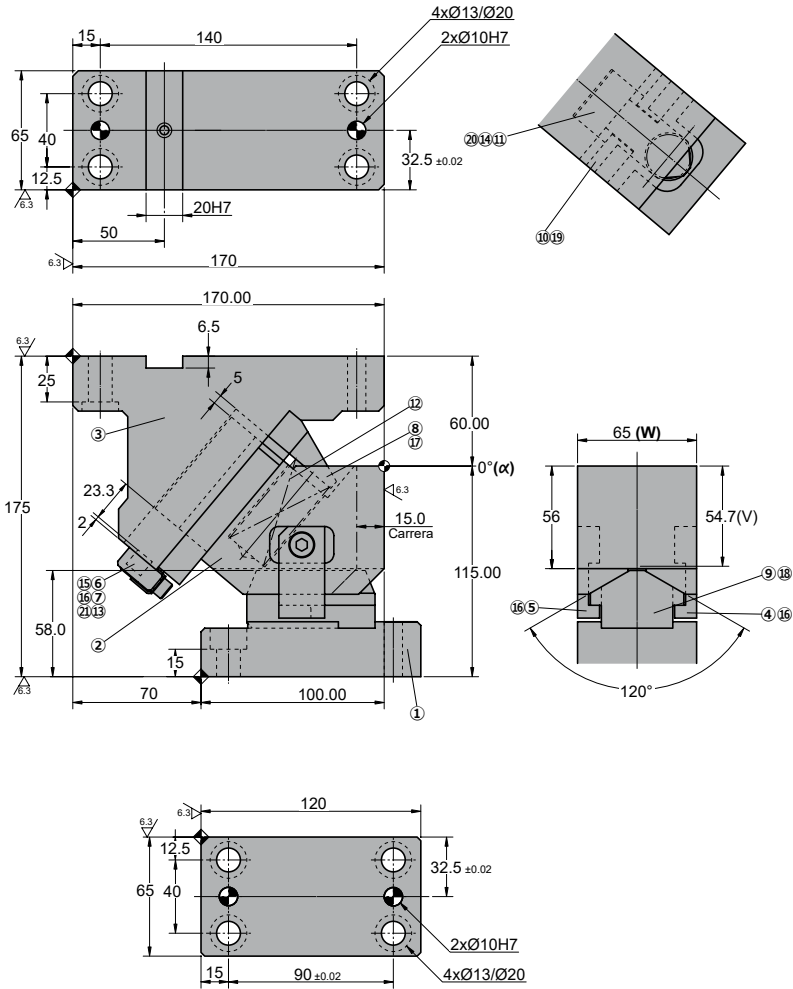
Aerial cam for pierce



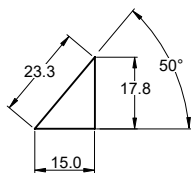
ASGN 0065

Aerial cam for pierce

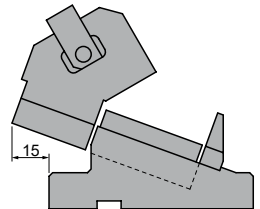
ASGN 0065 00



Cam diagram:



Desassembling space:

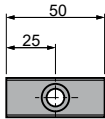


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.0	29.4 (3.0)	58.8 (6.0)	245.4 (25.0)	834.9 (85.1)	10.7	ASGN	0065	00


Order: Model (W) (α)
ASGN 0065 00

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY
K


1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 00-K

SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-89
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

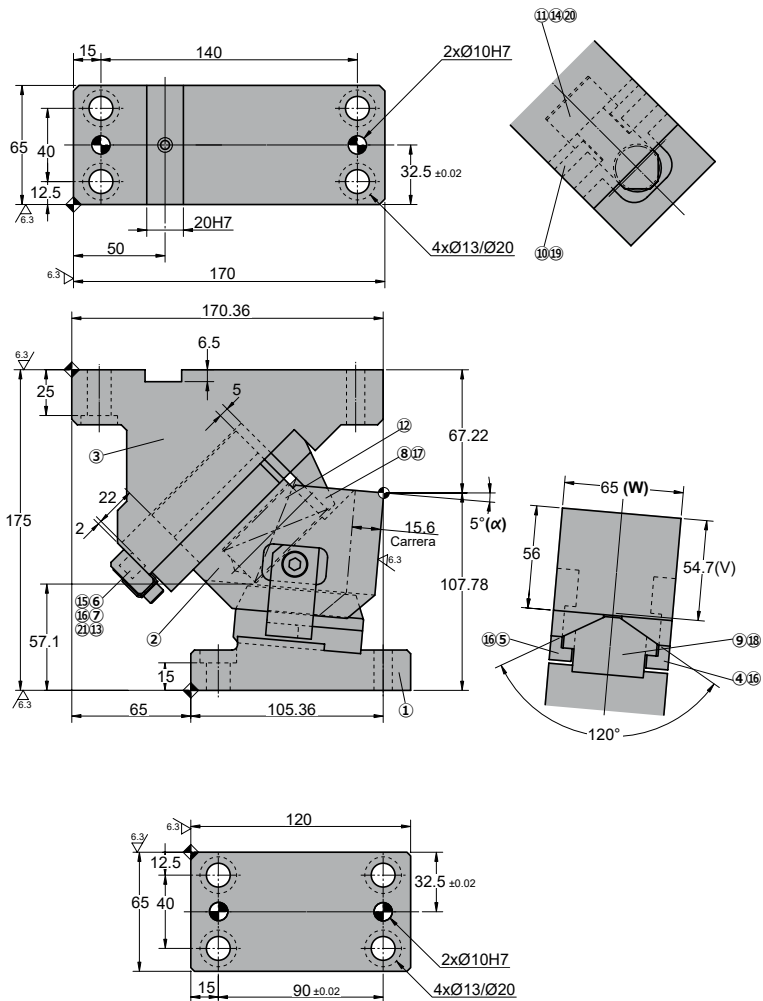
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10

ASGN 0065

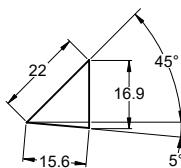
Aerial cam for pierce



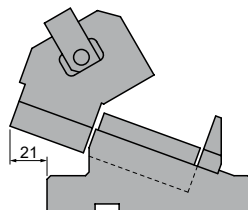
ASGN 0065 05



◦Cam diagram:



◦Desassembling space:

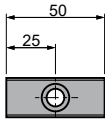


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.6	29.4 (3.0)	58.8 (6.0)	278.3 (28.4)	834.9 (85.1)	10.4	ASGN	0065	05


Order: Model (W) (α)
ASGN 0065 05

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY
K


1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 05-K

SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-89
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

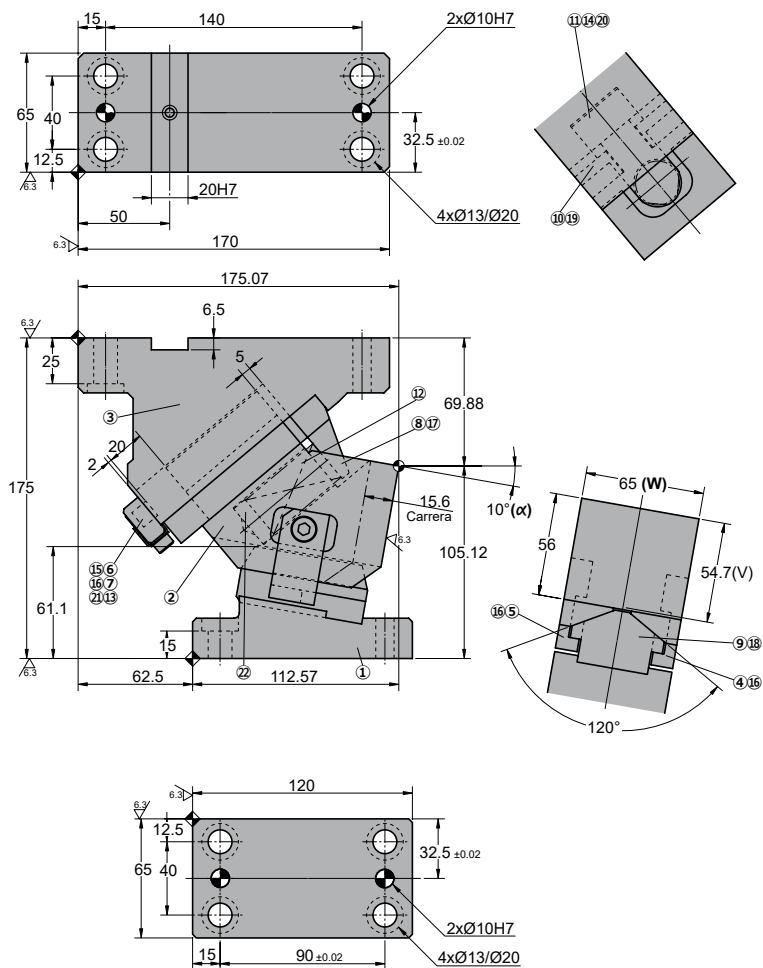
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

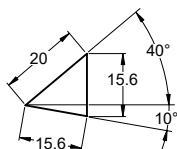
Aerial cam for pierce

**AZOL
GAS** 

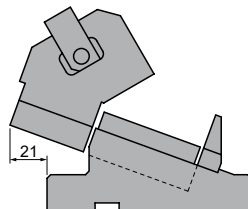
ASGN 0065 10



◦Cam diagram:



◦Desassembling space:

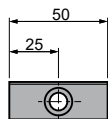


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
15.6	29.4 (3.0)	58.8 (6.0)	236.8 (24.1)	828.8 (84.3)	10.2	ASGN	0065	10


Order: Model (W) (α)
ASGN 0065 10

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY
K


1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 10-K

SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

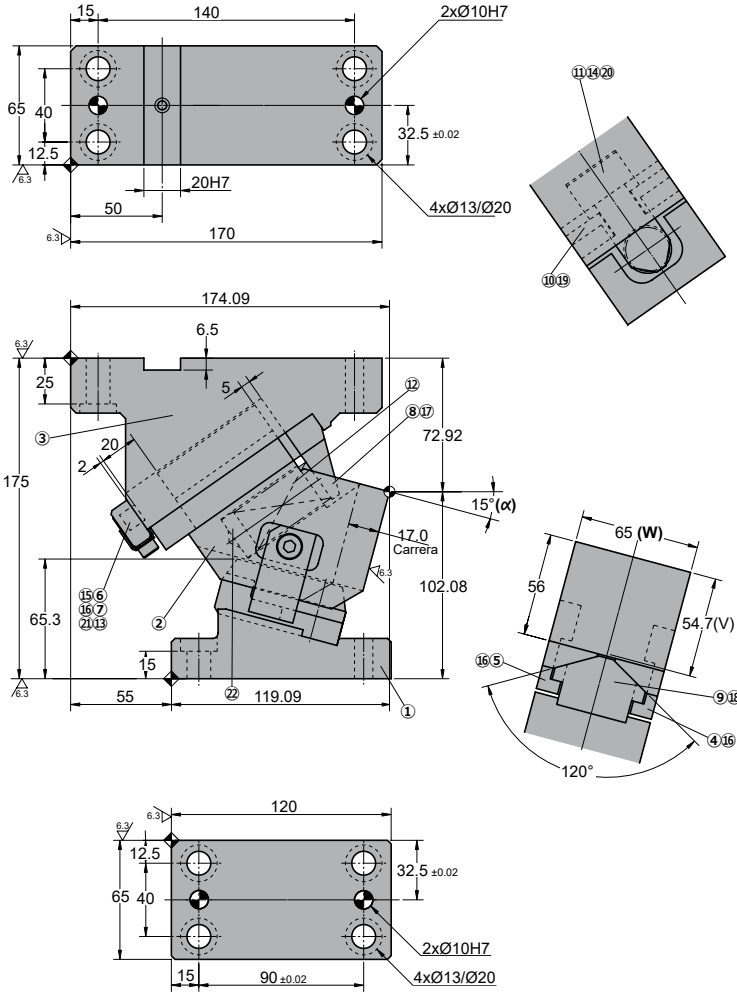
No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-76
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8x30
⑮	Disc Spring	1	M6

No.	Description	Qty.	Material
⑯	Screw	4	M8x18
⑰	Screw	2	M8x20
⑱	Screw	2	M10x30
⑲	Screw	4	M8x16
⑳	Screw	2	M10x20
㉑	Screw	1	M6x10
㉒	Spacer	1	CK45

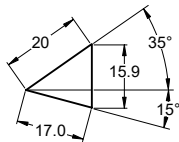
ASGN 0065

Aerial cam for pierce

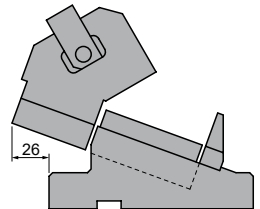
ASGN 0065 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
17.0	29.4 (3.0)	58.8 (6.0)	236.8 (24.1)	828.8 (84.3)	9.9	ASGN	0065	15



Order: Model (W) (α)

ASGN 0065 15

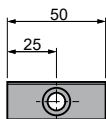
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option



ASGN 0065 15-K



SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-76
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

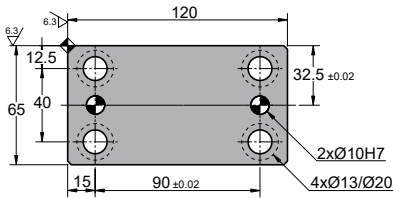
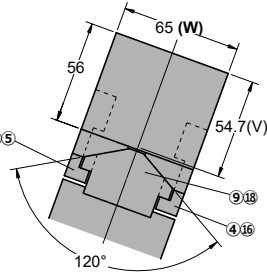
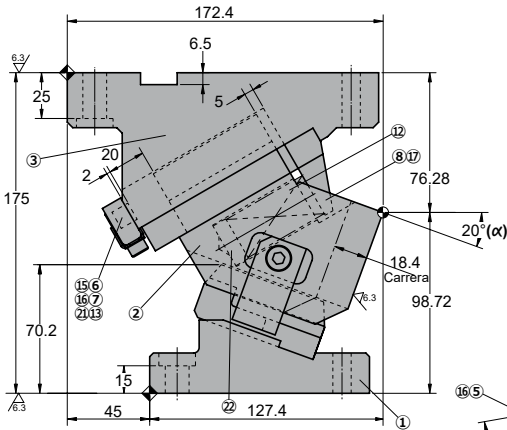
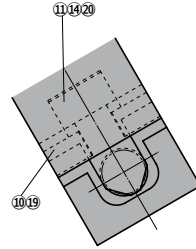
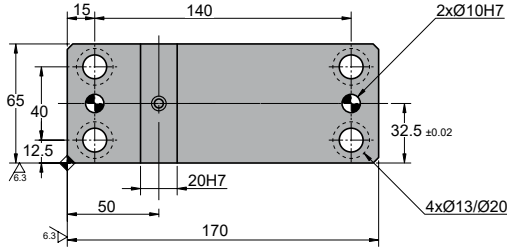
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

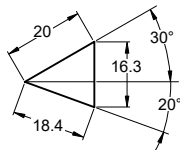
Aerial cam for pierce



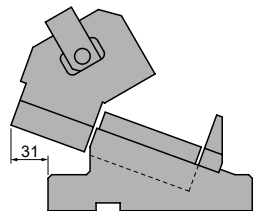
ASGN 0065 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
18.4	29.4 (3.0)	58.8 (6.0)	236.8 (24.1)	828.8 (84.3)	9.9	ASGN	0065	20



Order: Model (W) (α)

ASGN 0065 20

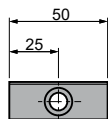
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option



ASGN 0065 20-K



SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-76
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

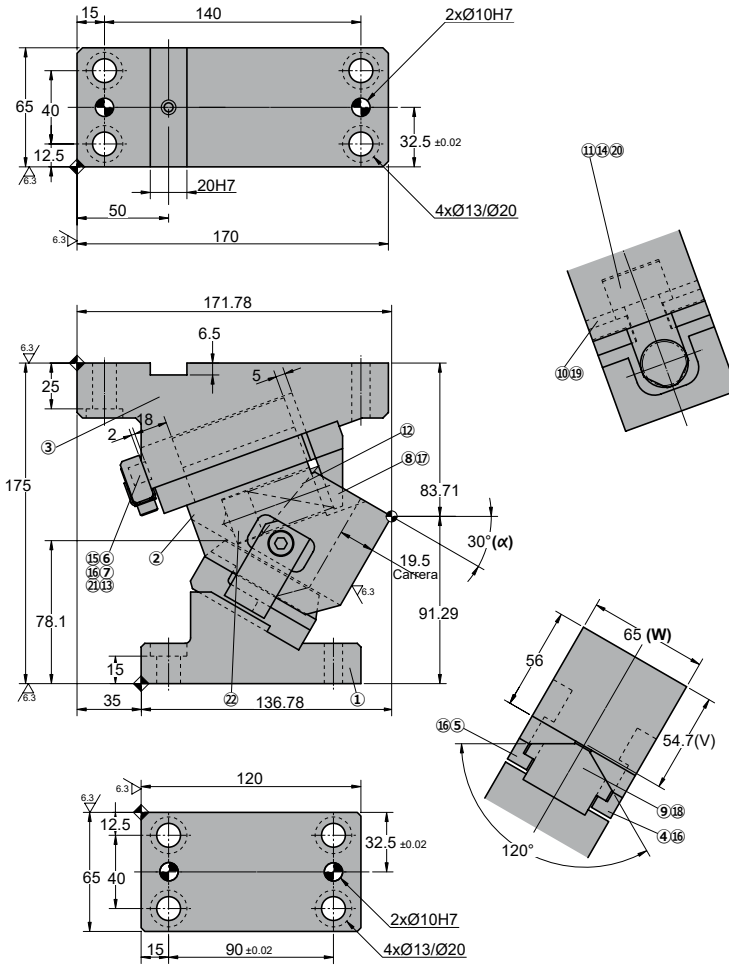
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

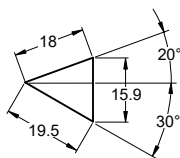
Aerial cam for pierce



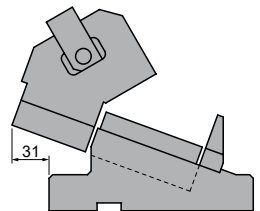
ASGN 0065 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
19.5	29.4 (3.0)	58.8 (6.0)	176.0 (18.0)	809.6 (82.6)	9.6	ASGN	0065	30



Order: Model (W) (α)

ASGN 0065 30

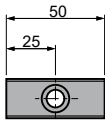
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option



ASGN 0065 30-K



SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-64
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

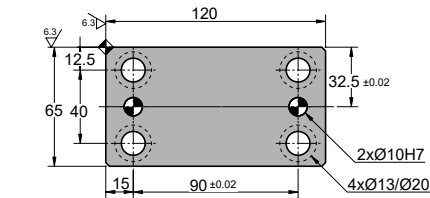
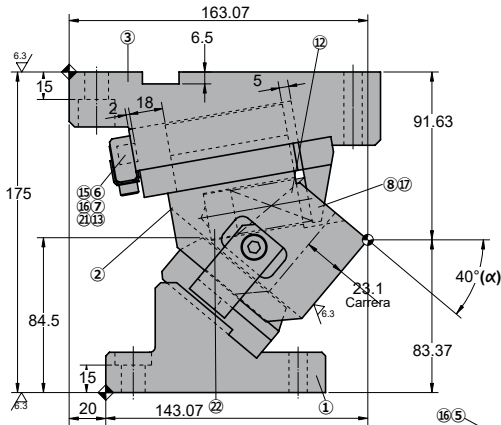
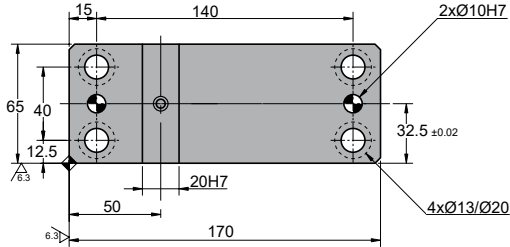
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

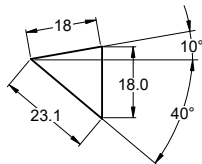
Aerial cam for pierce

**AZOL
GAS**

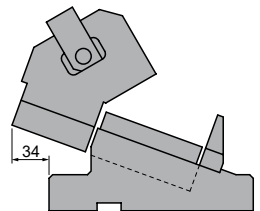
ASGN 0065 40



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
23.1	29.4 (3.0)	58.8 (6.0)	176.0 (18.0)	809.6 (82.6)	9.5	ASGN	0065	40



Order: Model (W) (α)

ASGN 0065 40

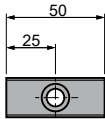
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option



ASGN 0065 40-K



SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-64
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

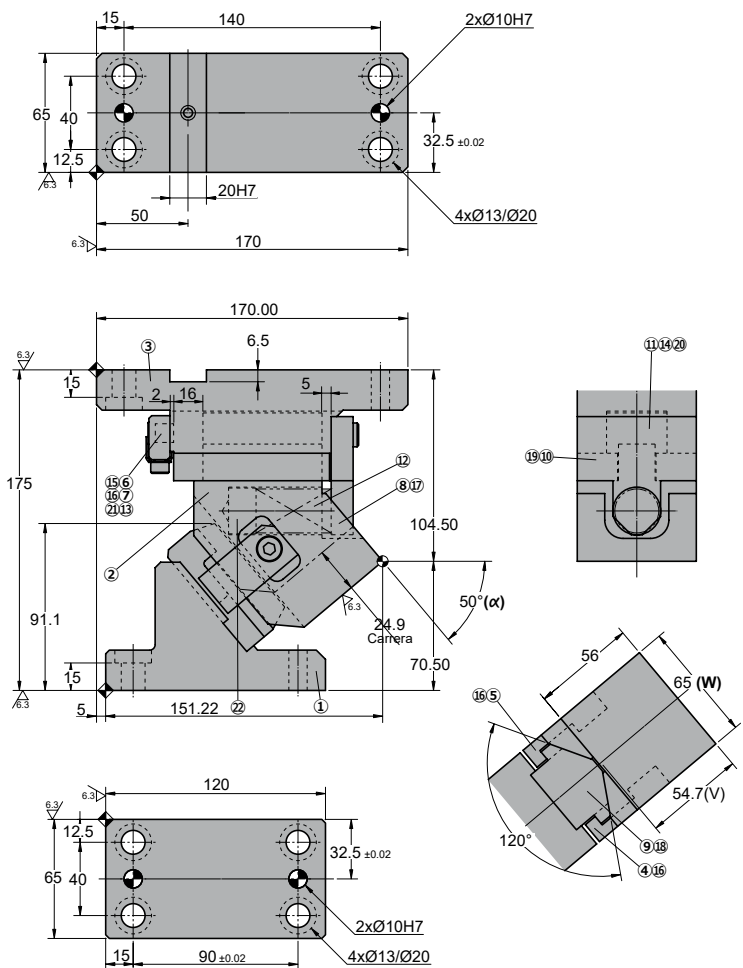
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

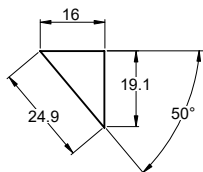
Aerial cam for pierce

**AZOL
GAS**

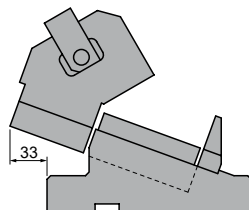
ASGN 0065 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
24.9	29.4 (3.0)	58.8 (6.0)	246.4 (25.1)	809.6 (82.6)	9.9	ASGN	0065	50



Order: Model (W) (α)

ASGN 0065 50

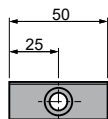
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option



ASGN 0065 50-K



SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-64
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

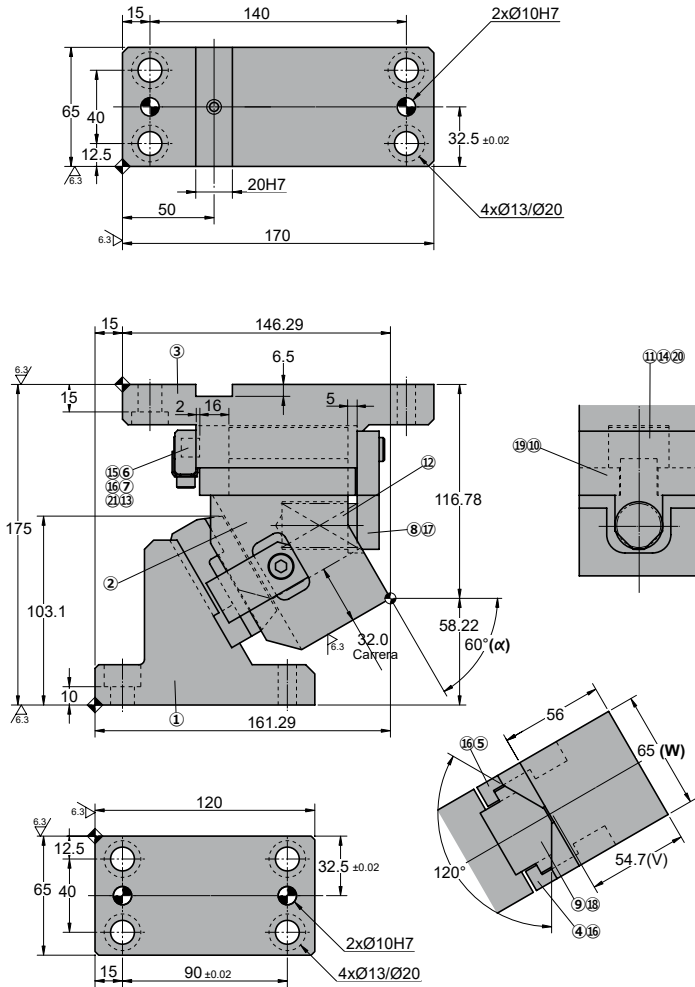
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

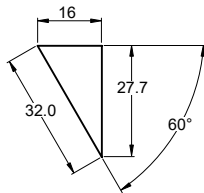
Aerial cam for pierce

**AZOL
GAS**

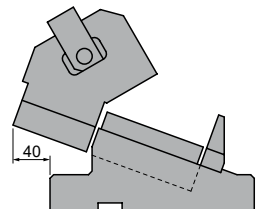
ASGN 0065 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.0	29.4 (3.0)	58.8 (6.0)	246.4 (25.1)	809.6 (82.6)	11.1	ASGN	0065	60



Order: Model (W) (α)

ASGN 0065 60

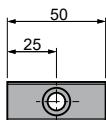
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option



ASGN 0065 60-K



SPARE PARTS:

- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-64
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10

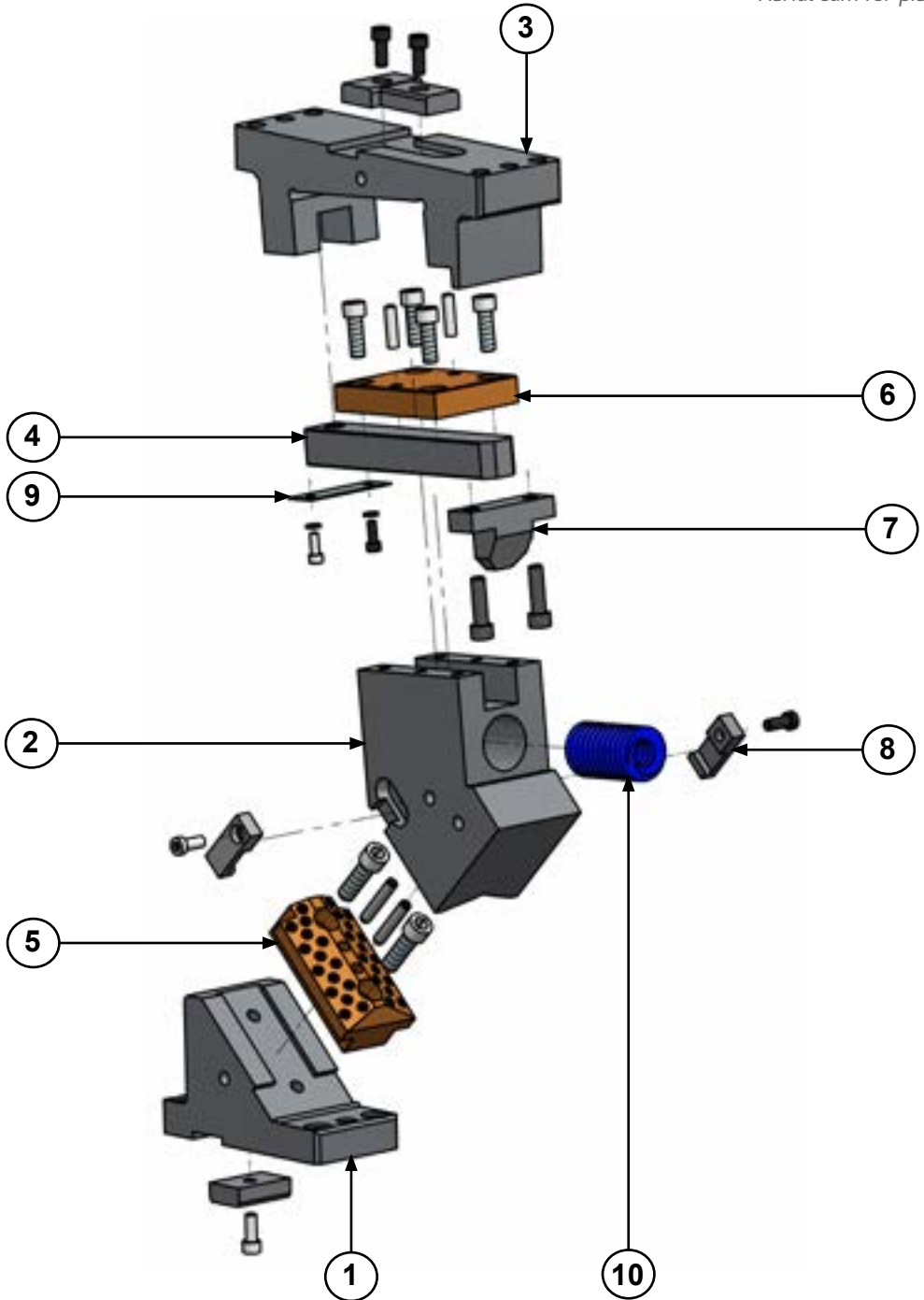
ASGN 0065



Aerial cam for pierce

ASGN 0080

Aerial cam for pierce

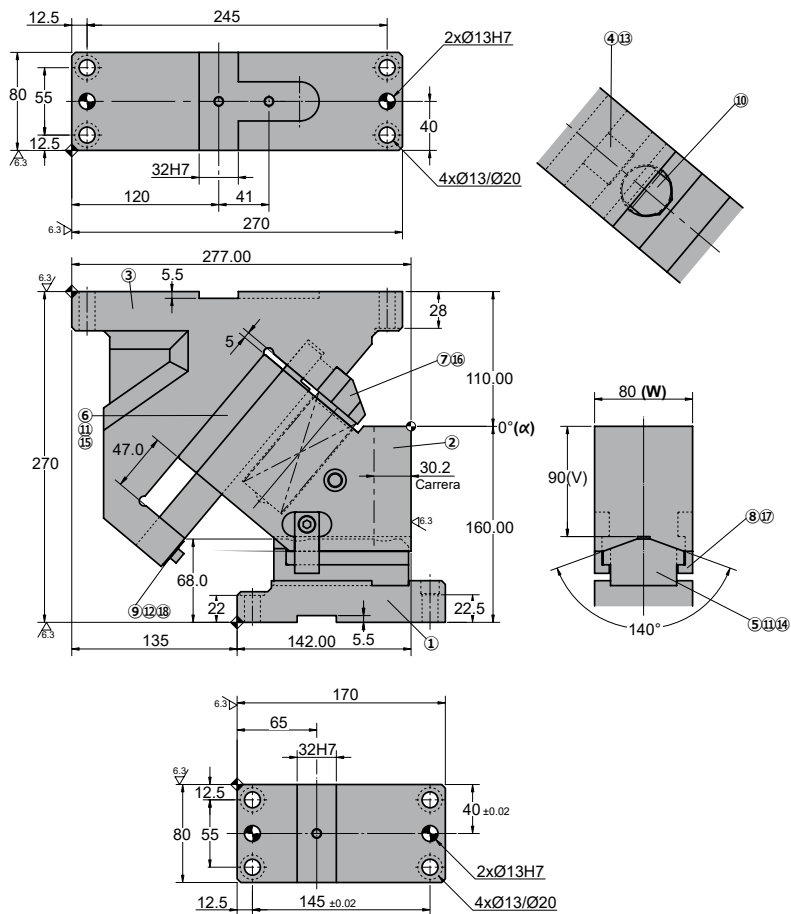


ASGN 0080

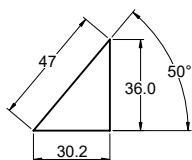
Aerial cam for pierce

**AZOL
GAS** 

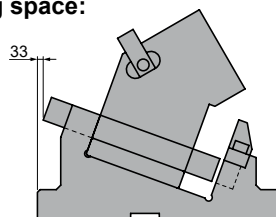
ASGN 0080 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.2	49.0 (5.0)	98.0 (10.0)	296.1 (30.2)	1842.4 (187.6)	34.0	ASGN	0080	00



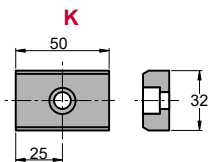
Order: Model (W) (α)

ASGN 0080 00

Ejemplo de pedido en español para el catálogo de material.
 Réplica de la aplicación de opciones de configuración de opciones.

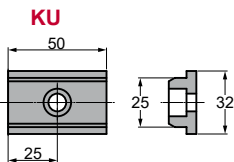
OPTIONS

K - KU

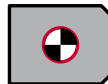


3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 00-K

ASGN 0080 00-P12

ASGN 0080 00-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-152
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

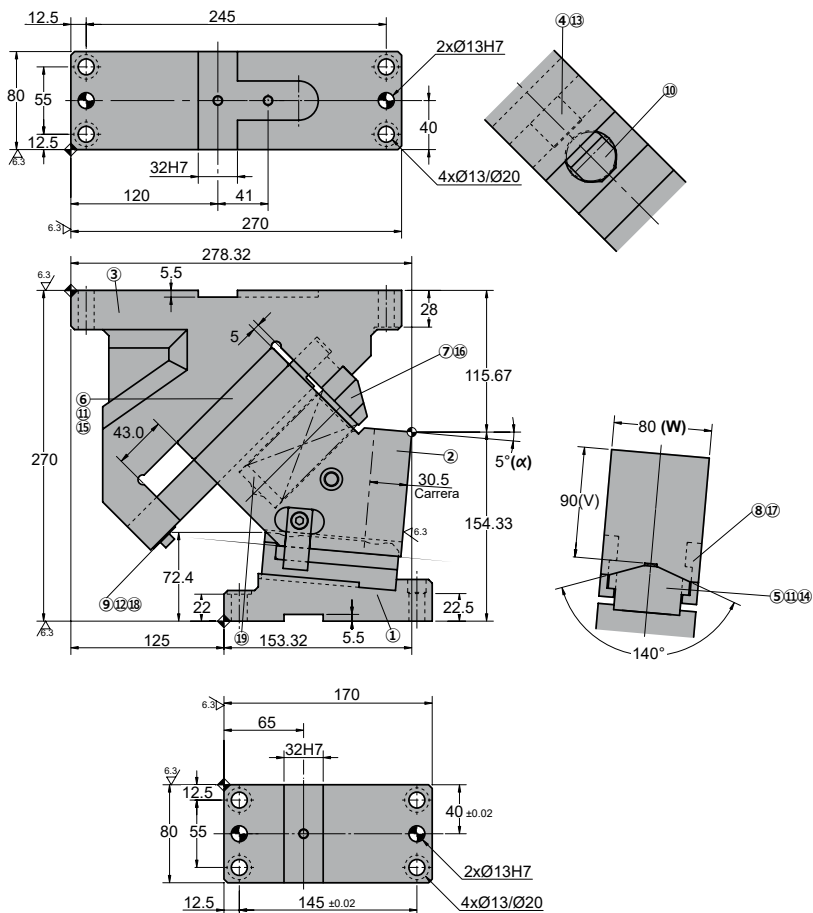
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10

ASGN 0080

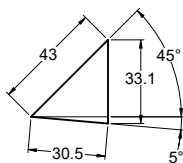
Aerial cam for pierce



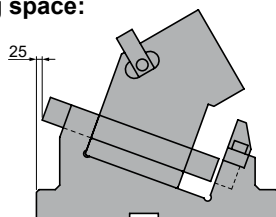
ASGN 0080 05



◦Cam diagram:



◦Desassembling space:



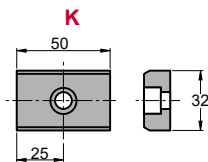
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
30.5	49.0 (5.0)	98.0 (10.0)	324.0 (33.0)	1872.0 (190.8)	32.0	ASGN	0080	05


Order: Model (W) (α)
ASGN 0080 05

Ejemplo de pedido en español para el catálogo de material.
 Réplica de la aplicación de opciones para el catálogo de opciones.

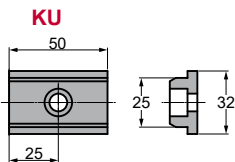
OPTIONS

K - KU



3 x M8x15

KEY



P PINS


P12 - Ø12 H7.
Order Options: Model (W) (α)-Option

ASGN 0080 05-K
ASGN 0080 05-P12
ASGN 0080 05-P12-K


SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-139
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

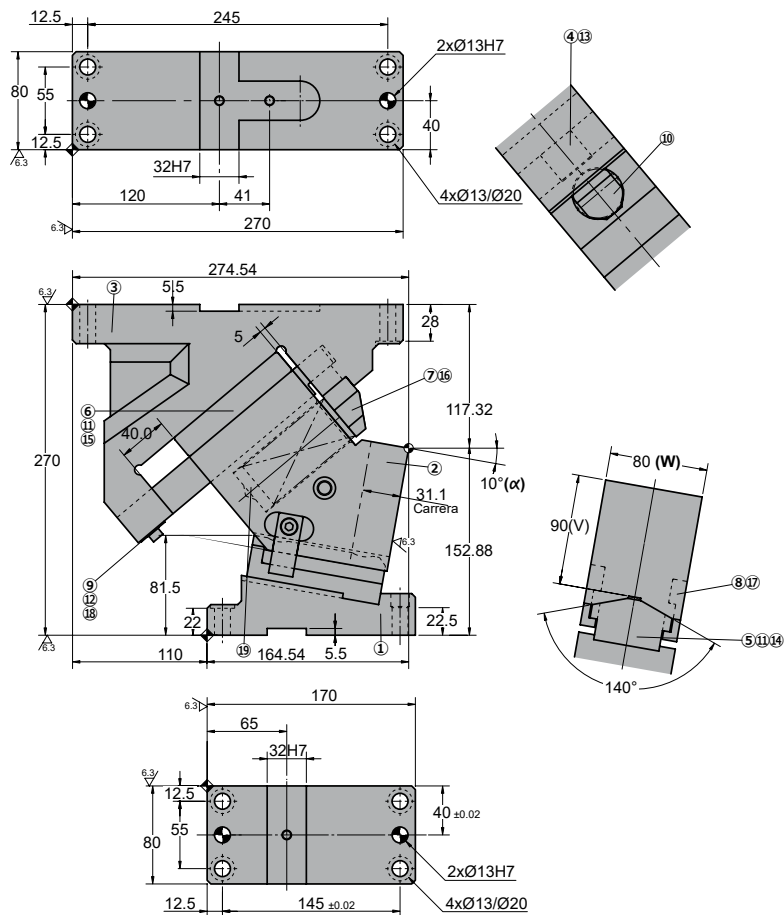
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

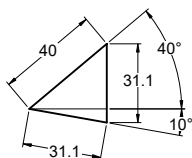
Aerial cam for pierce



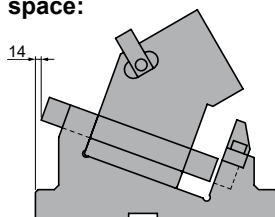
ASGN 0080 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
31.1	49.0 (5.0)	98.0 (10.0)	432.0 (44.0)	1872.0 (190.8)	32.0	ASGN	0080	10



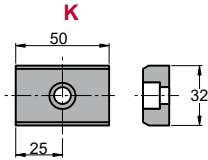
Order: Model (W) (α)

ASGN 0080 10

Ejemplo de pedido en español: ASGN 0080 10
 Réplica de la aplicación de opciones de catálogo.
 Example of an application of options from the catalog.

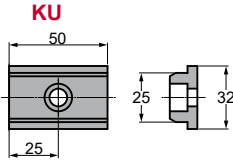
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 10-K

ASGN 0080 10-P12

ASGN 0080 10-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-139
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

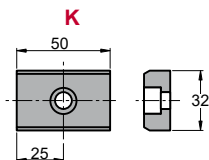
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
33.9	49.0 (5.0)	98.0 (10.0)	432.0 (44.0)	1872.0 (190.8)	32.0	ASGN	0080	15


Order: Model (W) (α)
ASGN 0080 15

Ejemplo de pedido: ASGN 0080 15
 Réplicas de aplicación aplicando el código de opciones.

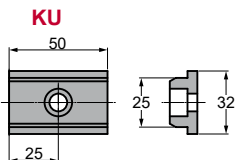
OPTIONS

K - KU

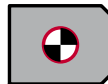


3 x M8x15

KEY



P PINS


P12 - Ø12 H7.
Order Options: Model (W) (α)-Option

ASGN 0080 15-K
ASGN 0080 15-P12
ASGN 0080 15-P12-K


SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-139
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

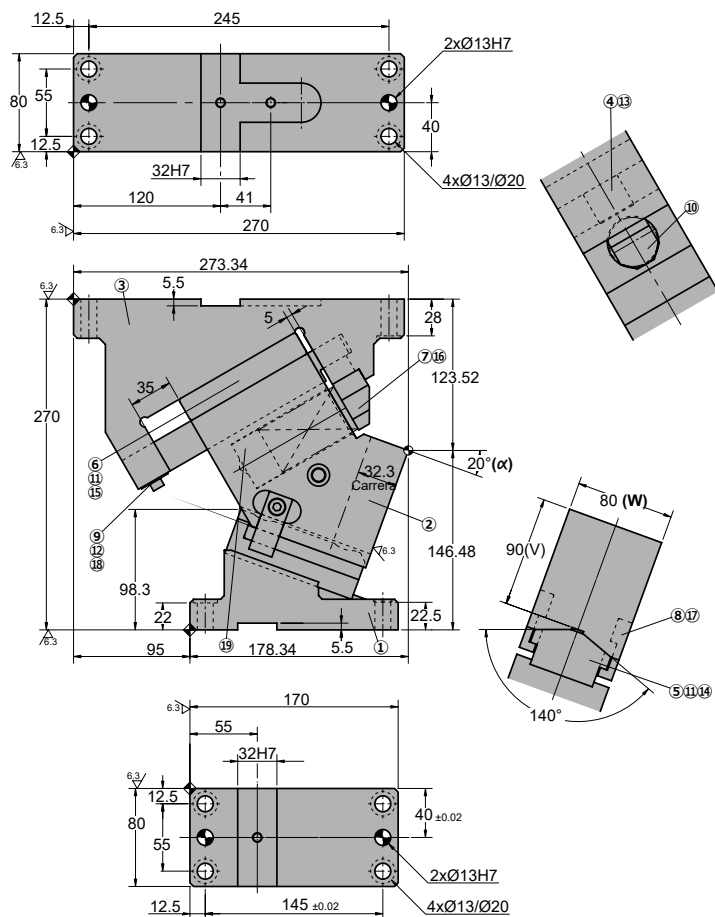
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

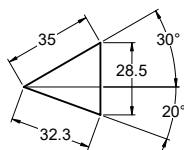
Aerial cam for pierce

**AZOL
GAS** 

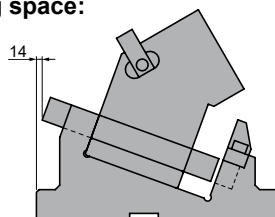
ASGN 0080 20



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.3	49.0 (5.0)	98.0 (10.0)	391.5 (39.9)	1914.0 (194.9)	32.0	ASGN	0080	20



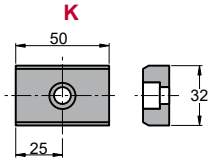
Order: Model (W) (α)

ASGN 0080 20

Ejemplo de pedido: ASGN 0080 20
 Réplicas aplicando opciones de catálogo.
 Réplicas applying options from catalogue.

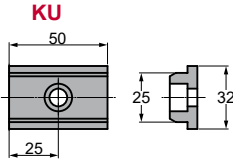
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 20-K

ASGN 0080 20-P12

ASGN 0080 20-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

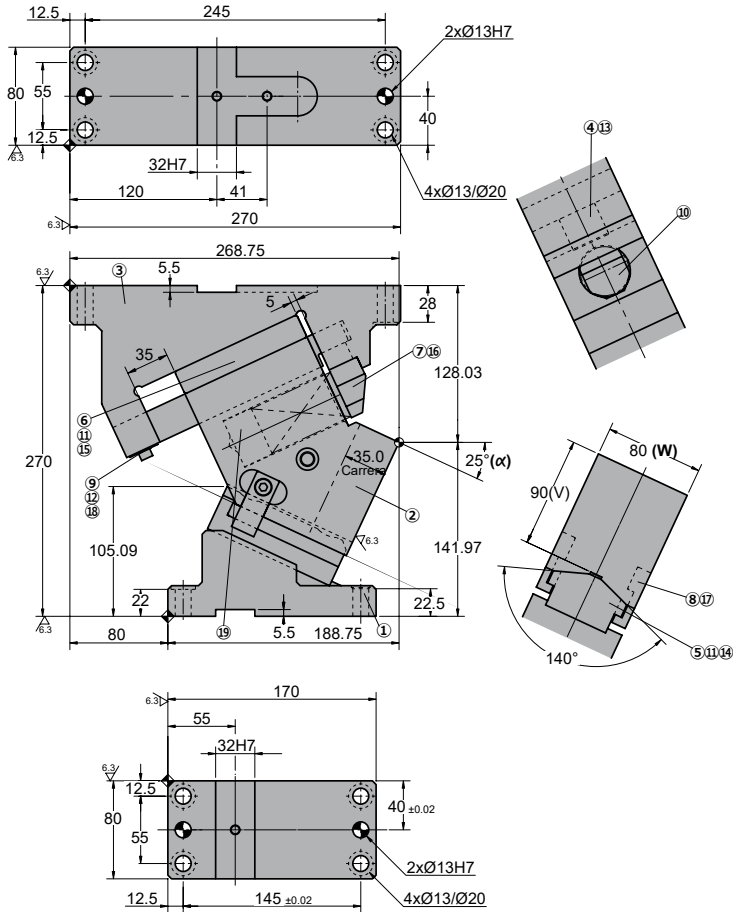
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

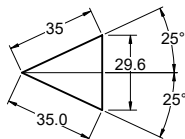
Aerial cam for pierce

**AZOL
GAS** 

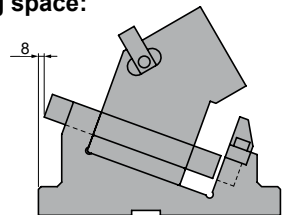
ASGN 0080 25



◦Cam diagram:



◦Desassembling space:



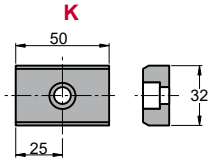
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.0	49.0 (5.0)	98.0 (10.0)	391.5 (39.9)	1914.0 (194.9)	30.0	ASGN	0080	25


Order: Model (W) (α)
ASGN 0080 25

Ejemplo de pedido: ASGN 0080 25
 Réplicas de aplicación aplicando el código de opciones.

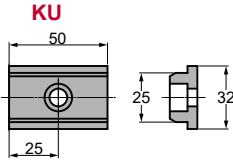
OPTIONS

K - KU



3 x M8x15

KEY



P PINS


P12 - Ø12 H7.
Order Options: Model (W) (α)-Option

ASGN 0080 25-K
ASGN 0080 25-P12
ASGN 0080 25-P12-K


SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

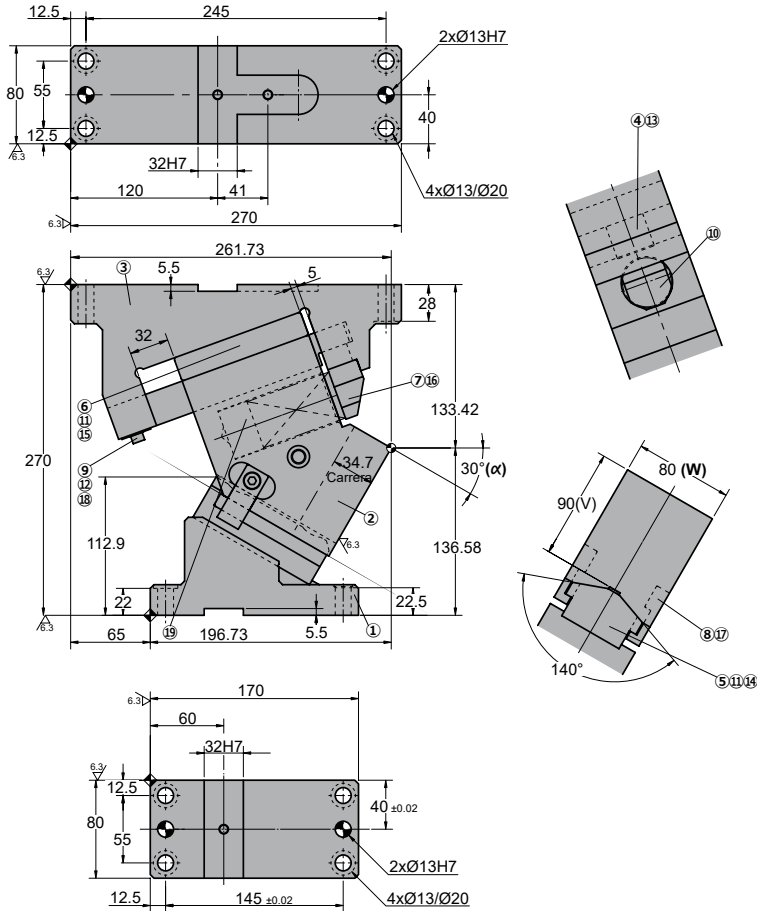
No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

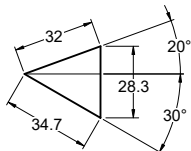
ASGN 0080

Aerial cam for pierce

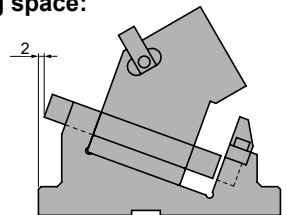
ASGN 0080 30



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
34.7	49.0 (5.0)	98.0 (10.0)	522.0 (53.2)	1914.0 (194.9)	30.0	ASGN	0080	30



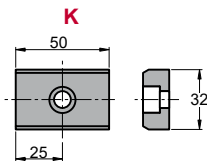
Order: Model (W) (α)

ASGN 0080 30

Ejemplo de pedido en español indicando los catálogos de material.
 Réplicas de aplicación aplicando el código de opciones.

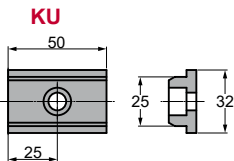
OPTIONS

K - KU

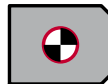


3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 30-K

ASGN 0080 30-P12

ASGN 0080 30-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

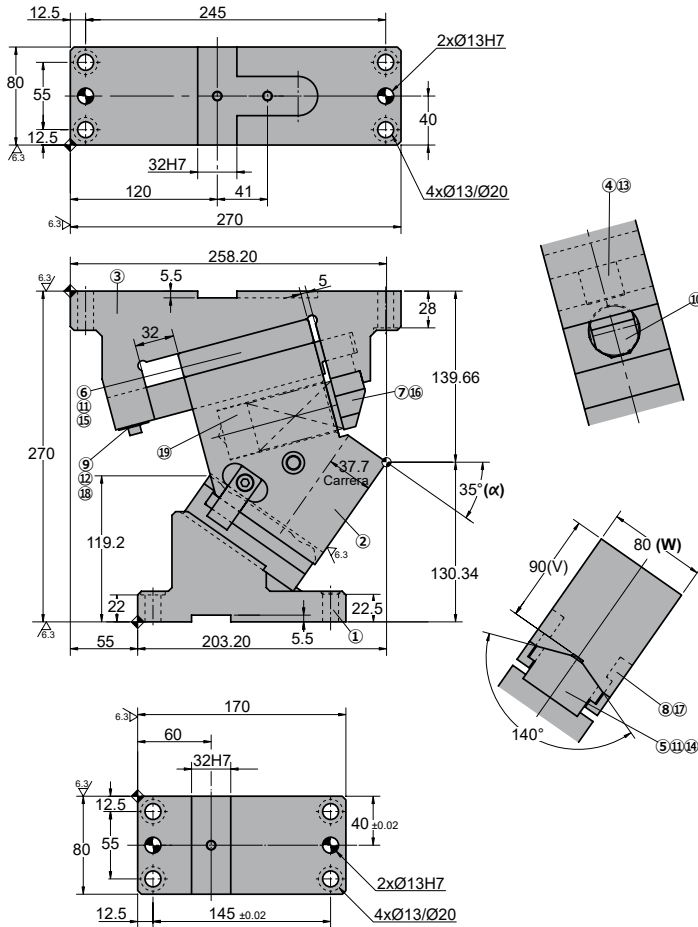
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

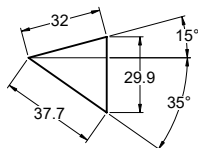
Aerial cam for pierce

**AZOL
GAS** 

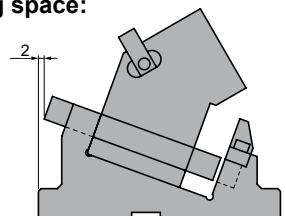
ASGN 0080 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
37.7	49.0 (5.0)	98.0 (10.0)	522.0 (53.2)	1914.0 (194.9)	30.0	ASGN	0080	35



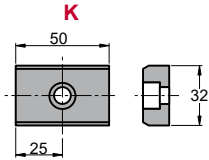
Order: Model (W) (α)

ASGN 0080 35

Ejemplo de pedido en español para el catálogo de material.
 Réplica de la aplicación de opciones para el catálogo de opciones.

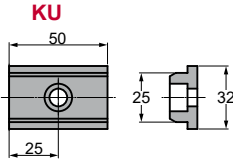
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 35-K

ASGN 0080 35-P12

ASGN 0080 35-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

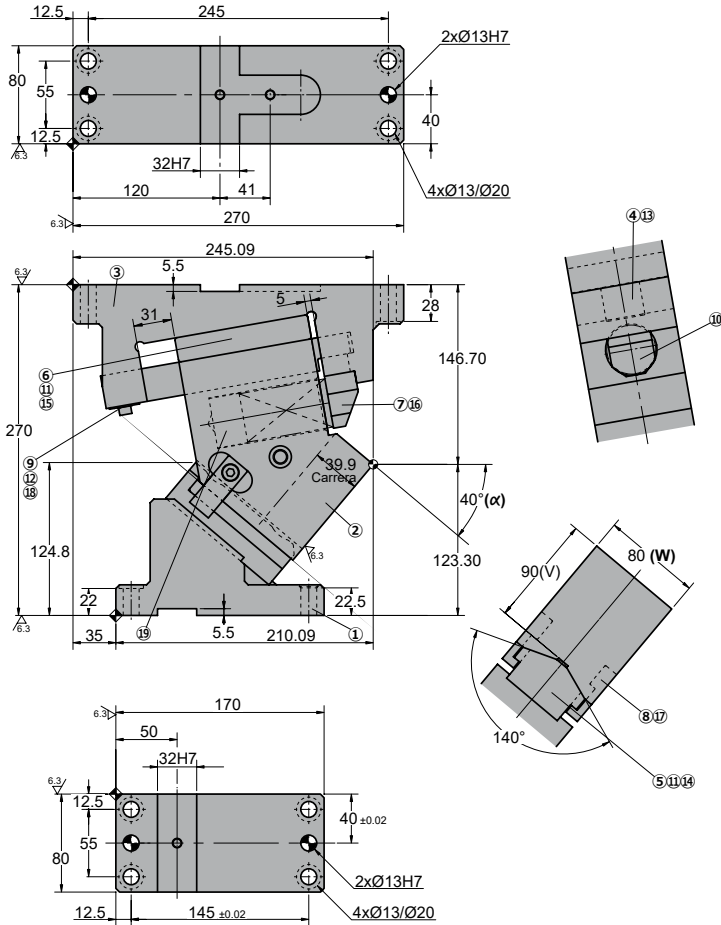
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

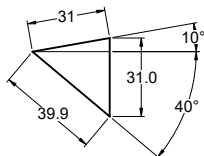
Aerial cam for pierce

**AZOL
GAS** 

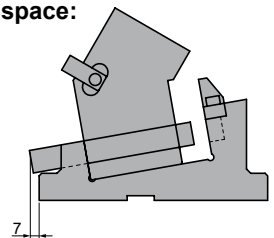
ASGN 0080 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.9	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	29.0	ASGN	0080	40



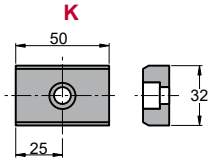
Order: Model (W) (α)

ASGN 0080 40

Ejemplo de pedido en español: ASGN 0080 40
 Réplicas de aplicación aplicables a otros modelos de opciones.

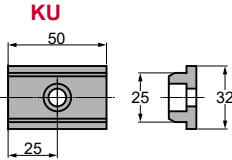
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 40-K

ASGN 0080 40-P12

ASGN 0080 40-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

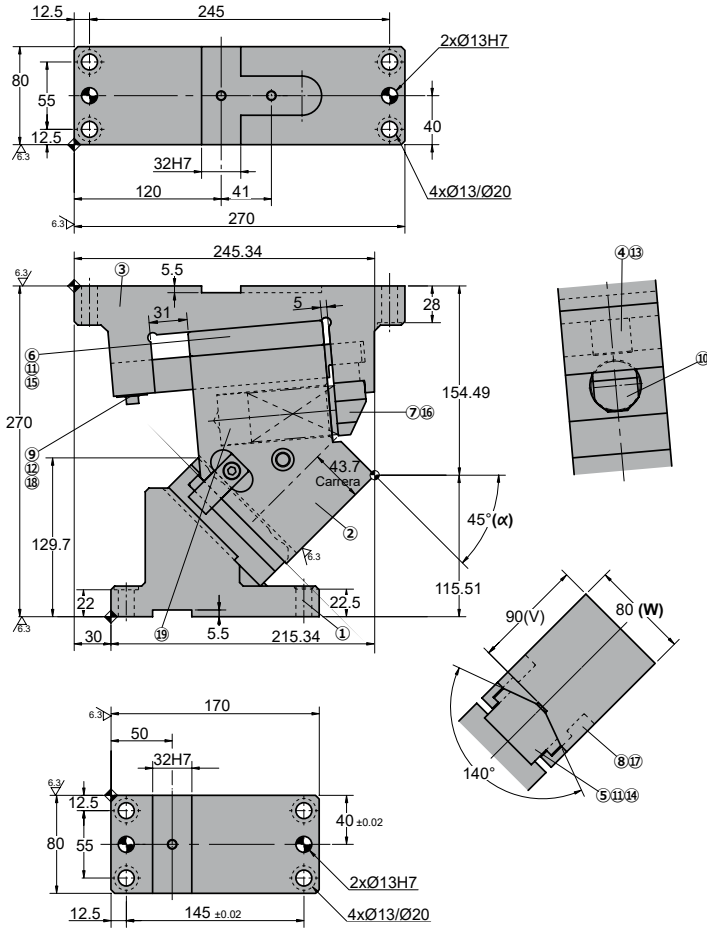
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

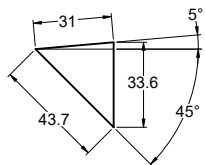
Aerial cam for pierce



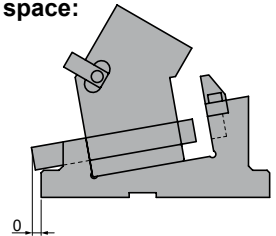
ASGN 0080 45



◦Cam diagram:



◦Desassembling space:



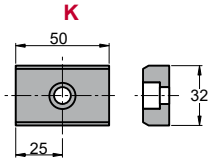
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
43.7	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	29.0	ASGN	0080	45


Order: Model (W) (α)
ASGN 0080 45

Ejemplo de pedido: ASGN 0080 45
 Réplicas de aplicación aplicando el código de opciones.

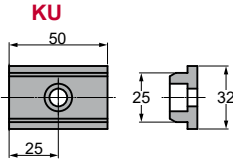
OPTIONS

K - KU



3 x M8x15

KEY



P PINS


P12 - Ø12 H7.
Order Options: Model (W) (α)-Option

ASGN 0080 45-K
ASGN 0080 45-P12
ASGN 0080 45-P12-K


SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
46.7	49.0 (5.0)	98.0 (10.0)	609.0 (62.0)	1914.0 (194.9)	30.0	ASGN	0080	50



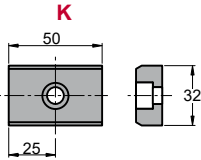
Order: Model (W) (α)

ASGN 0080 50

Ejemplo de pedido: ASGN 0080 50
 Réplicas aplicando opciones de catálogo.
 Réplicas aplicando opciones de catálogo.

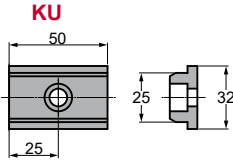
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 50-K

ASGN 0080 50-P12

ASGN 0080 50-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

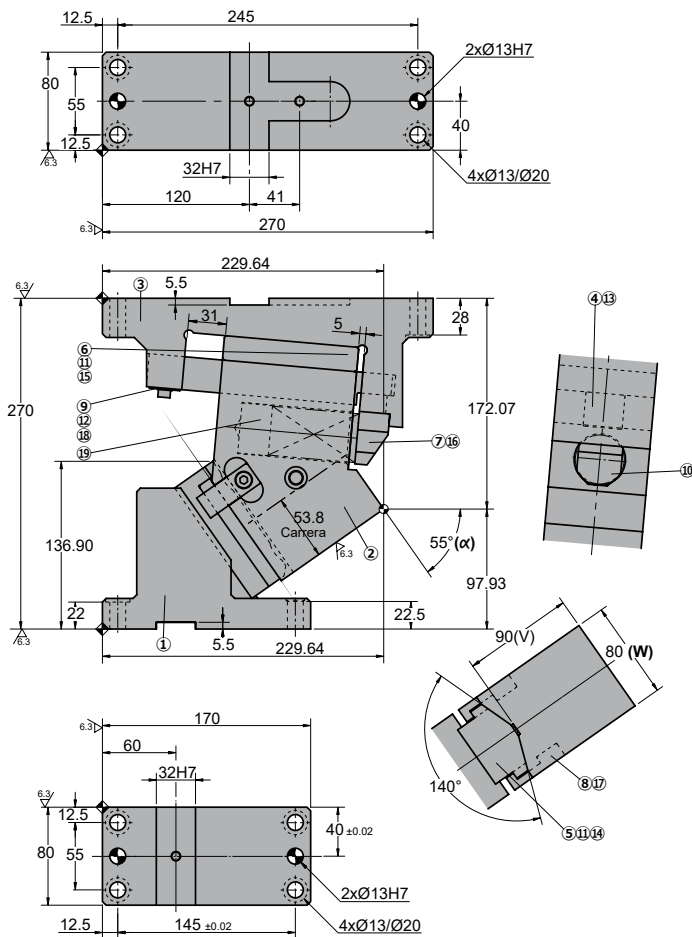
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

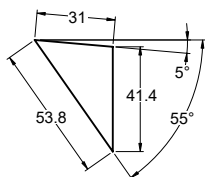
Aerial cam for pierce

**AZOL
GAS** 

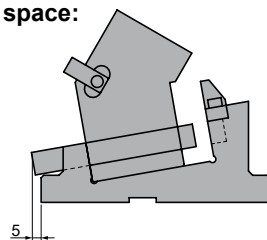
ASGN 0080 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
53.8	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	30.0	ASGN	0080	55



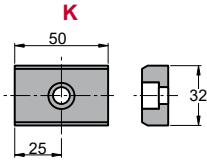
Order: Model (W) (α)

ASGN 0080 55

Ejemplo de pedido en español indicando los catálogos de material.
Rechnungsbildung für die Anwendung der ASGN 0080 mit den Optionen.

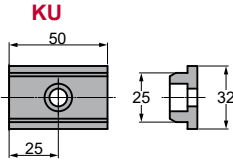
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 55-K

ASGN 0080 55-P12

ASGN 0080 55-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

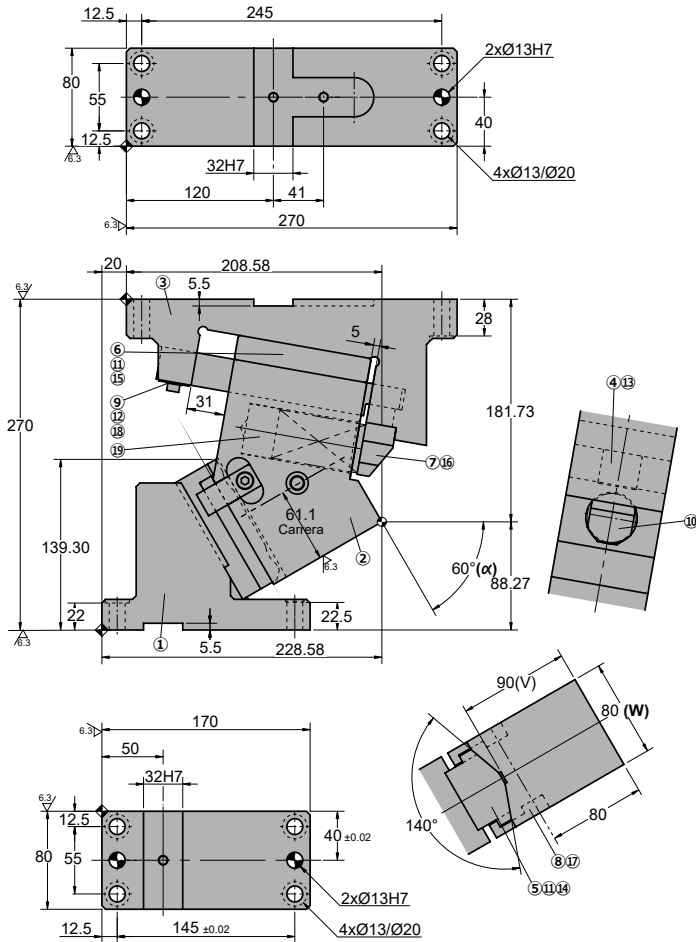
No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

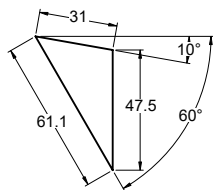
Aerial cam for pierce

**AZOL
GAS** 

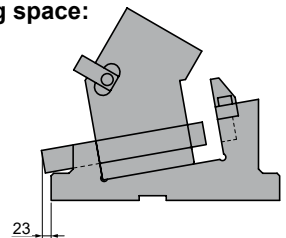
ASGN 0080 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
61.1	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	31.0	ASGN	0080	60



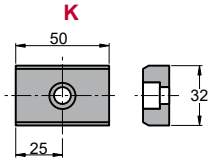
Order: Model (W) (α)

ASGN 0080 60

Ejemplo de pedido en español: ASGN 0080 60
 Réplicas de pedidos en otros idiomas: ASGN 0080 60

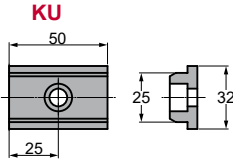
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 60-K

ASGN 0080 60-P12

ASGN 0080 60-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

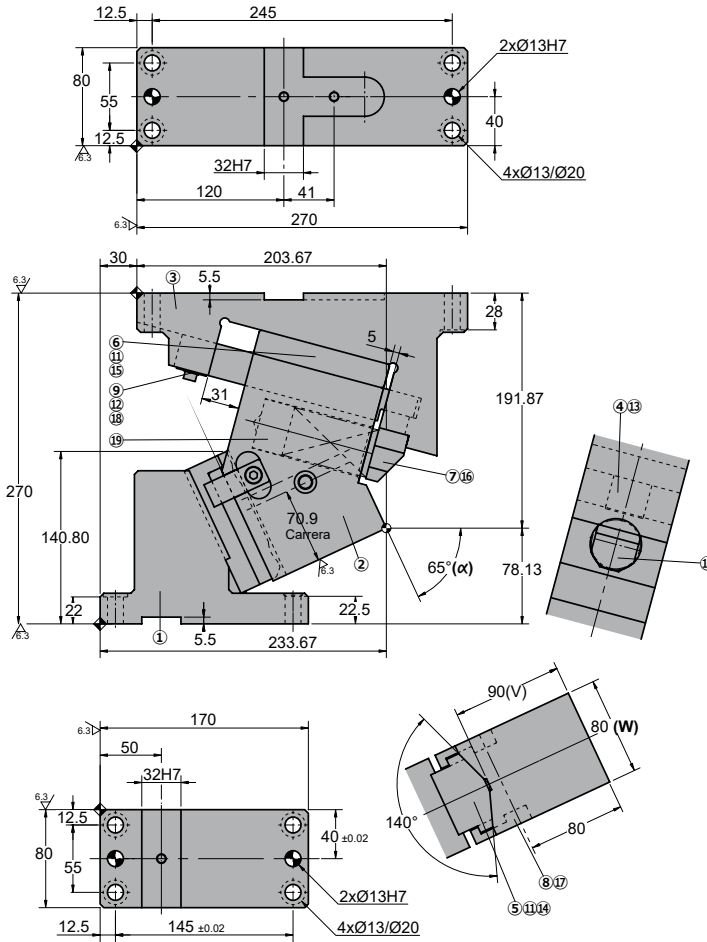
No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

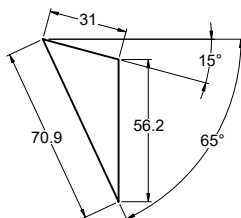
ASGN 0080

Aerial cam for pierce

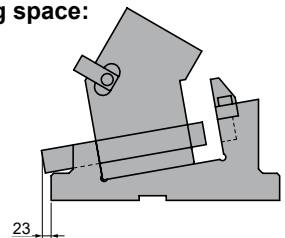
ASGN 0080 65



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.9	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	32.0	ASGN	0080	65



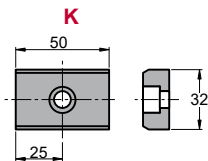
Order: Model (W) (α)

ASGN 0080 65

Ejemplo de pedido en español indicando los catálogos de material.
 Réplica de la aplicación de opciones para el código de opciones.

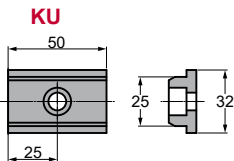
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option



ASGN 0080 65-K

ASGN 0080 65-P12

ASGN 0080 65-P12-K



SPARE PARTS:

- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

No.	Description	Qty.	Material
⑮	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

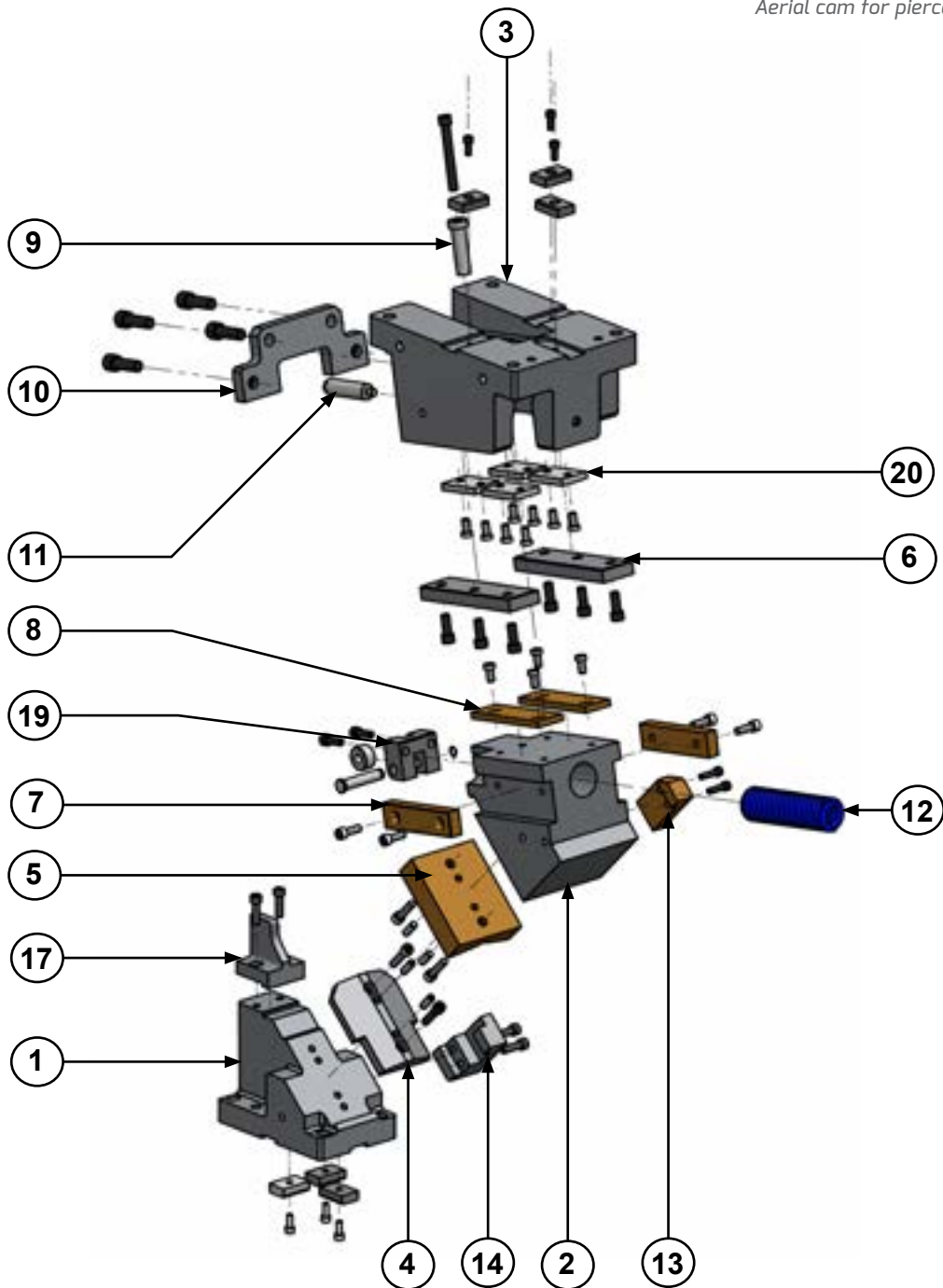
ASGN 0080



Aerial cam for pierce

ASGN 0150

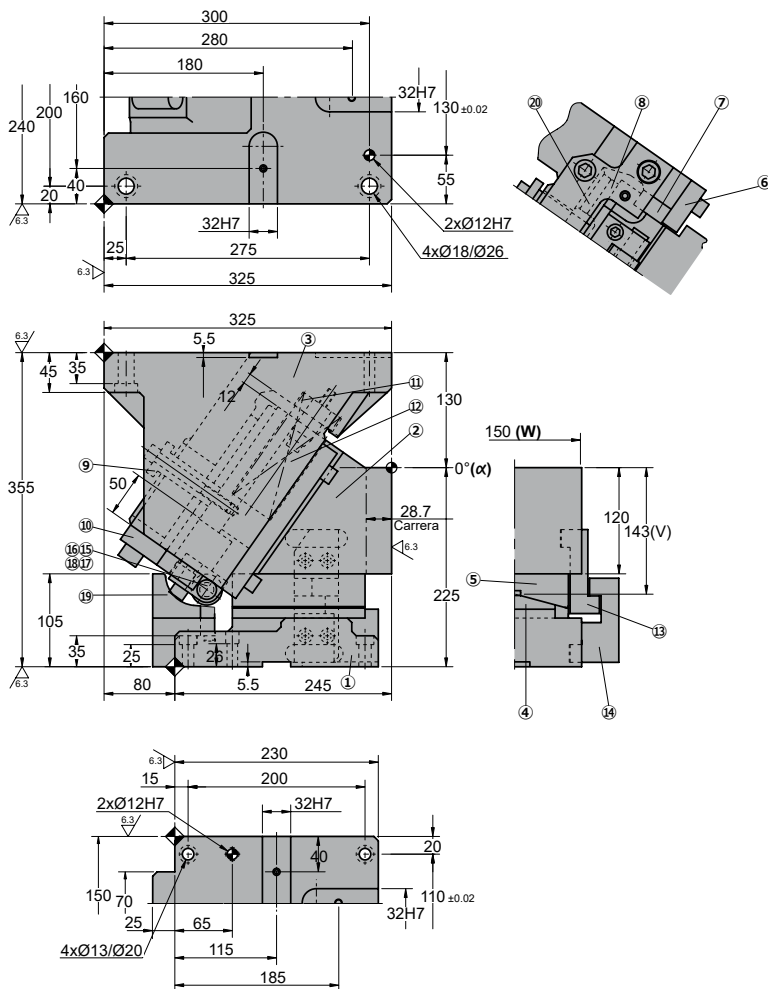
Aerial cam for pierce



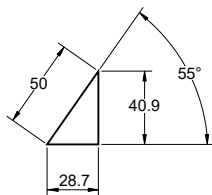
ASGN 0150

Aerial cam for pierce

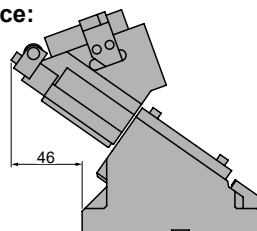
ASGN 0150 00



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
28.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	117.6	ASGN	0150	00



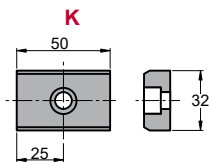
Order: Model (W) (α)

ASGN 0150 00

Standard order example according to catalog sheet.
Add options applying options table contents.

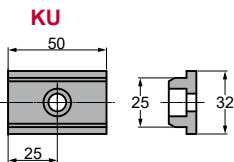
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 00-K

ASGN 0150 00-P13

ASGN 0150 00-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

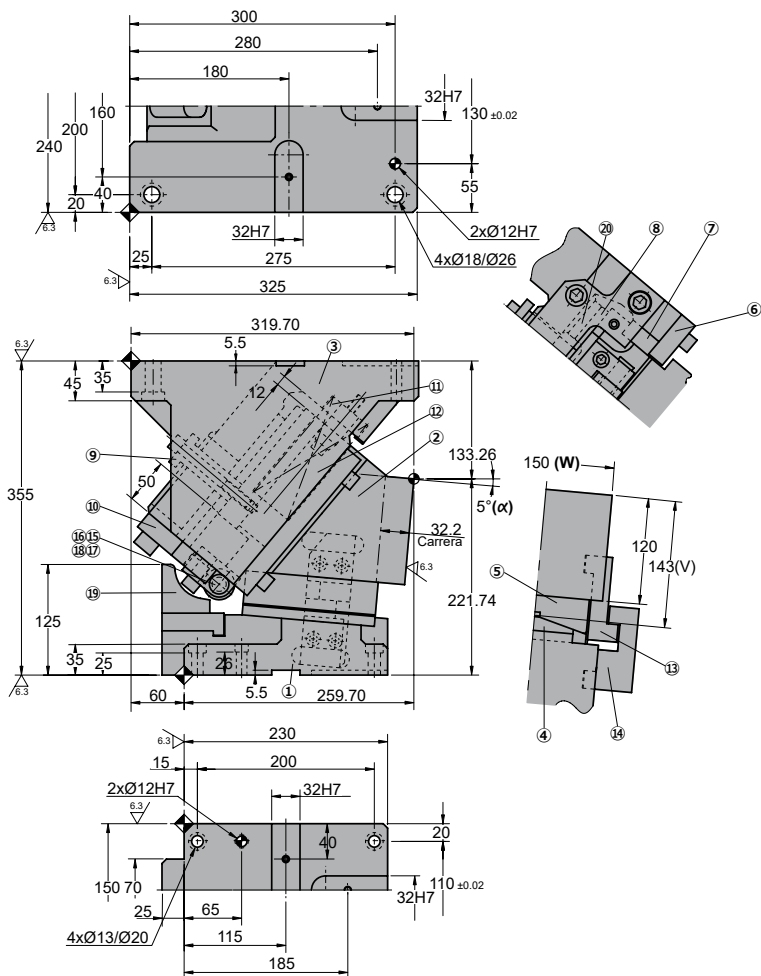
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

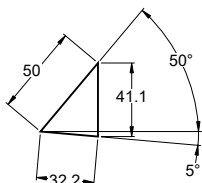
Aerial cam for pierce

**AZOL
GAS** 

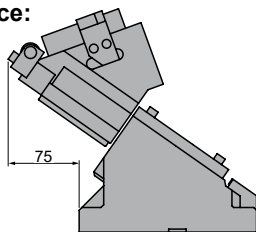
ASGN 0150 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.2	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	114.0	ASGN	0150	05



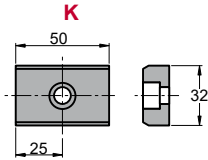
Order: Model (W) (α)

ASGN 0150 05

Standard order example according to catalog sheet.
Add options applying options table contents.

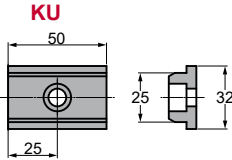
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 05-K

ASGN 0150 05-P13

ASGN 0150 05-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

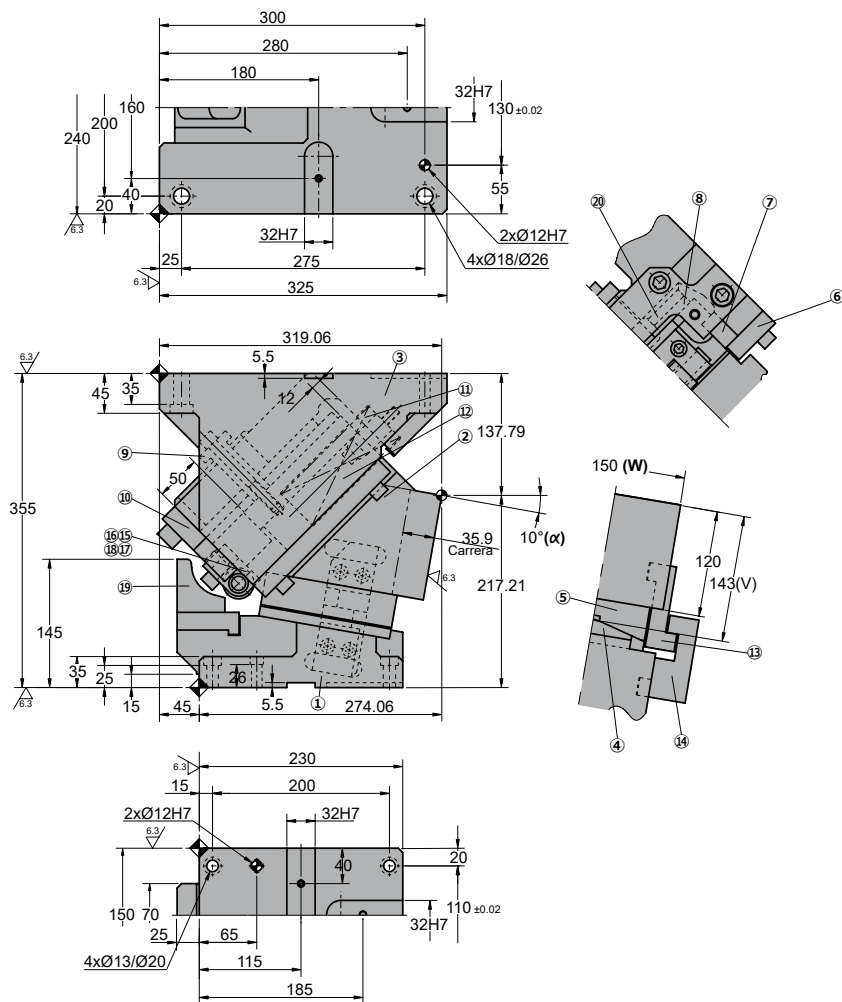
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

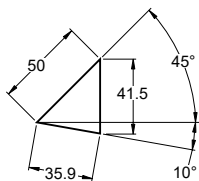
Aerial cam for pierce

AZOL
GAS

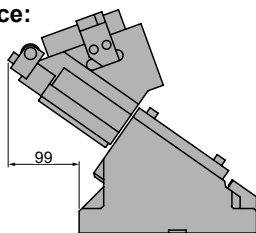
ASGN 0150 10



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.9	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	113.4	ASGN	0150	10



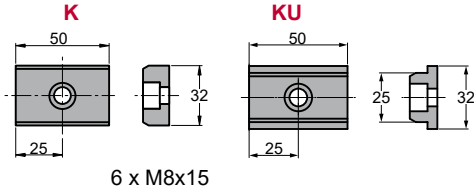
Order: Model (W) (α)

ASGN 0150 10

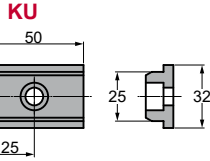
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 10-K

ASGN 0150 10-P13

ASGN 0150 10-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

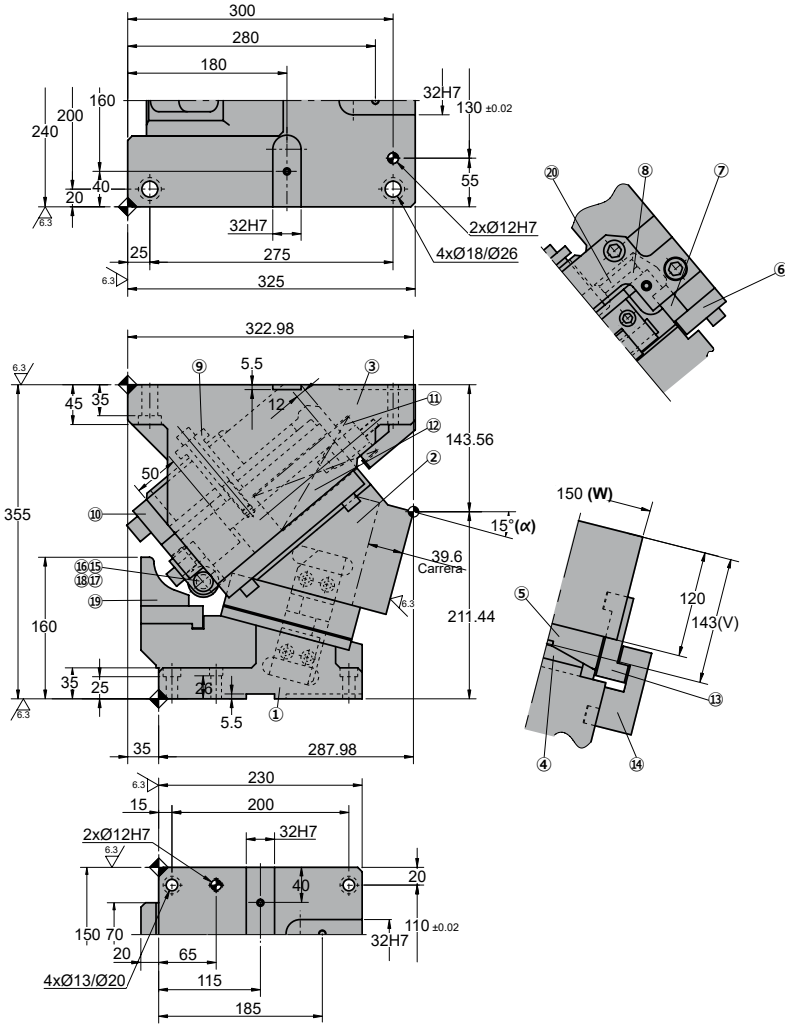
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

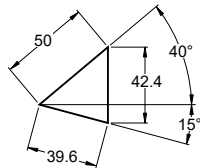
Aerial cam for pierce



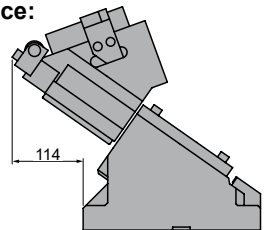
ASGN 0150 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	111.9	ASGN	0150	15



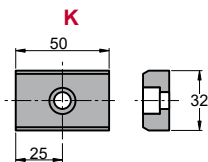
Order: Model (W) (α)

ASGN 0150 15

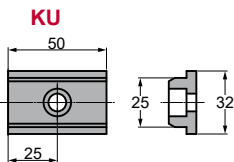
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 15-K

ASGN 0150 15-P13

ASGN 0150 15-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

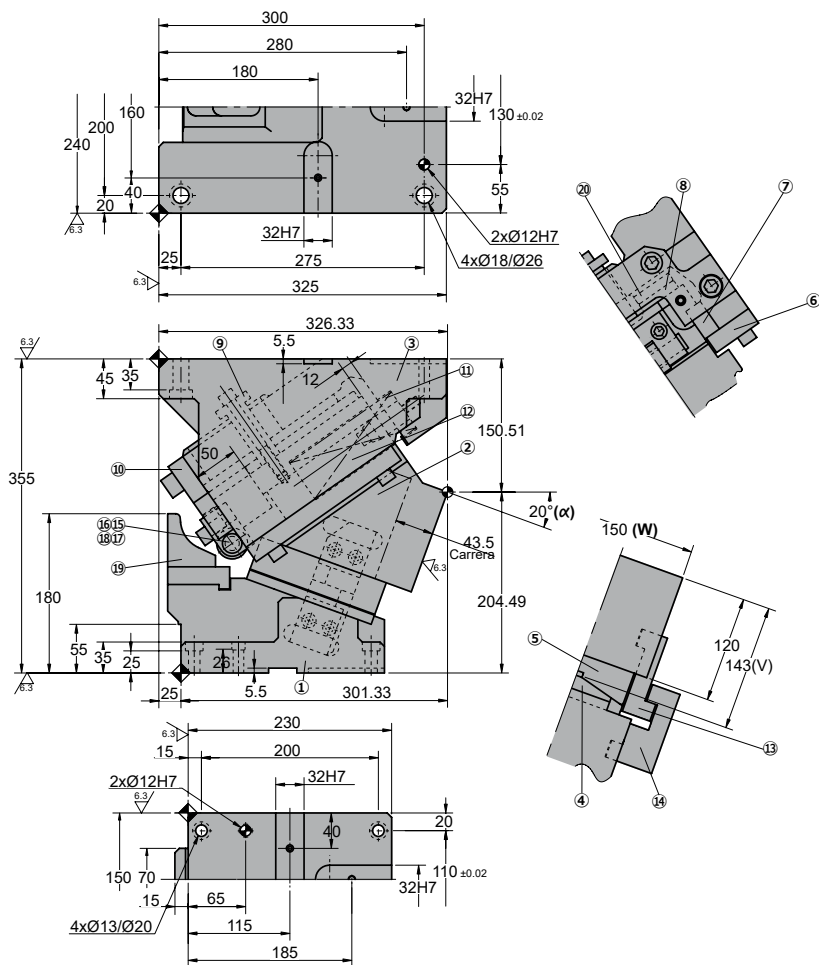
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

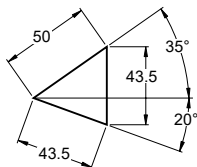
Aerial cam for pierce

**AZOL
GAS**

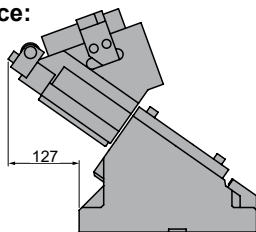
ASGN 0150 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
43.5	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	111.3	ASGN	0150	20



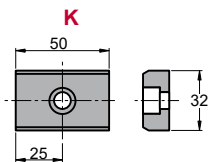
Order: Model (W) (α)

ASGN 0150 20

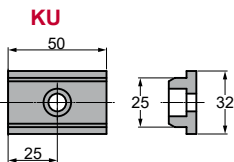
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 20-K

ASGN 0150 20-P13

ASGN 0150 20-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

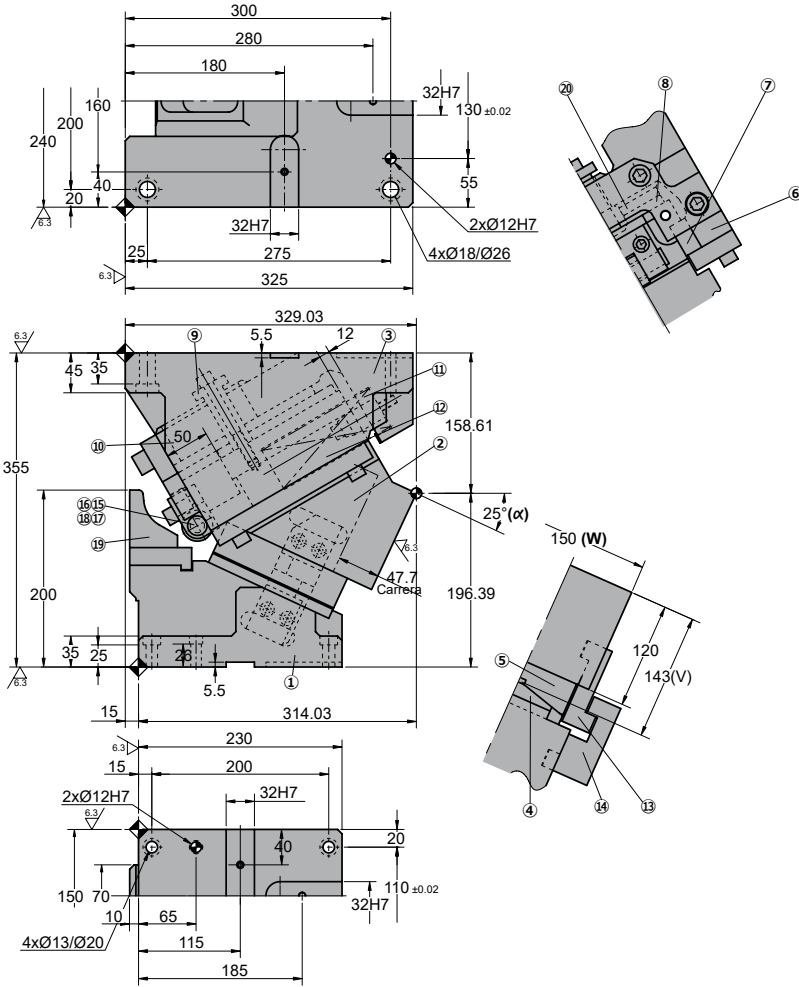
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

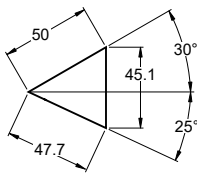
Aerial cam for pierce



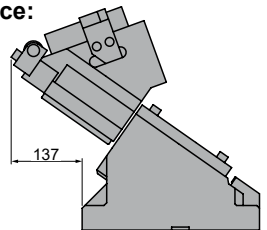
ASGN 0150 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
86.4?	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	23.9?	ASGN	150	70?



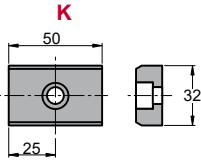
Order: Model (W) (α)

ASGN 0150 70

Standard order example according to catalog sheet.
Add options applying options table contents.

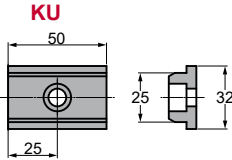
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 00-K

ASGN 0150 00-P13

ASGN 0150 00-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

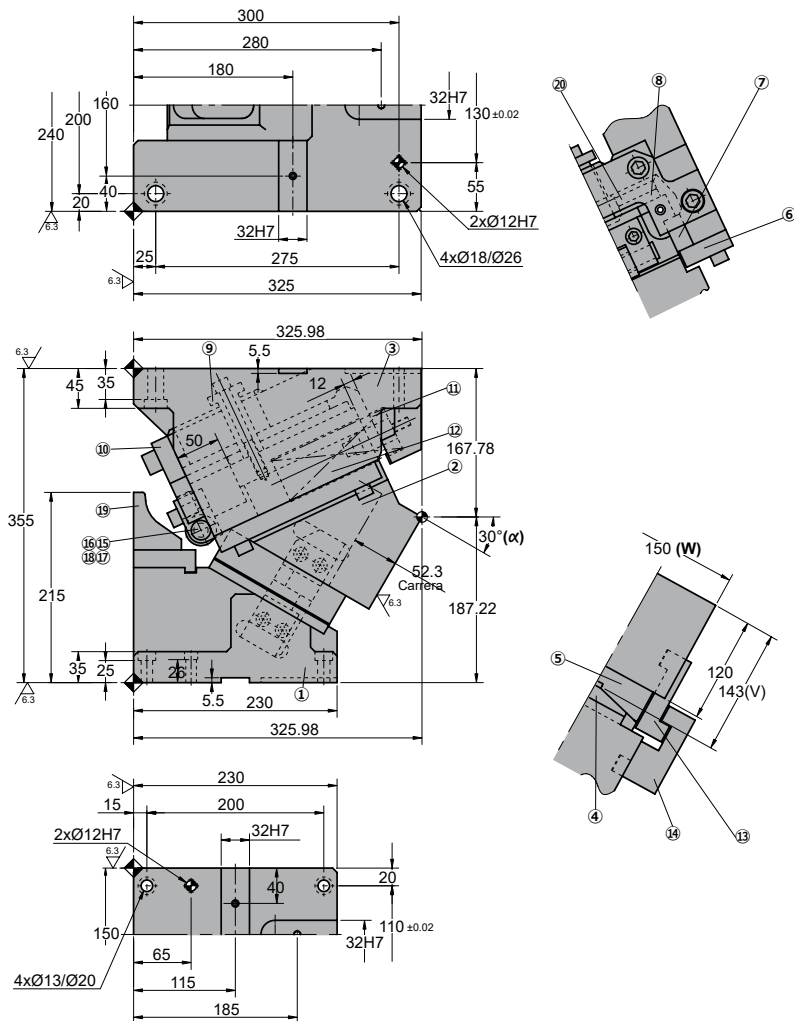
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

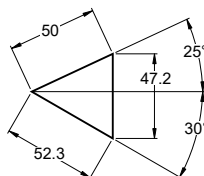
Aerial cam for pierce

**AZOL
GAS**

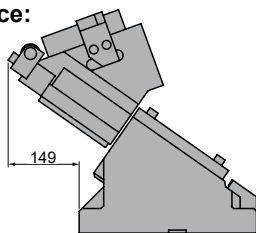
ASGN 0150 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
52.3	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	110.2	ASGN	0150	30



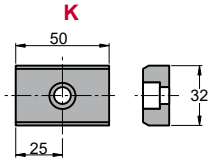
Order: Model (W) (α)

ASGN 0150 30

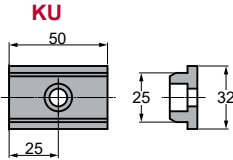
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 30-K

ASGN 0150 30-P13

ASGN 0150 30-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

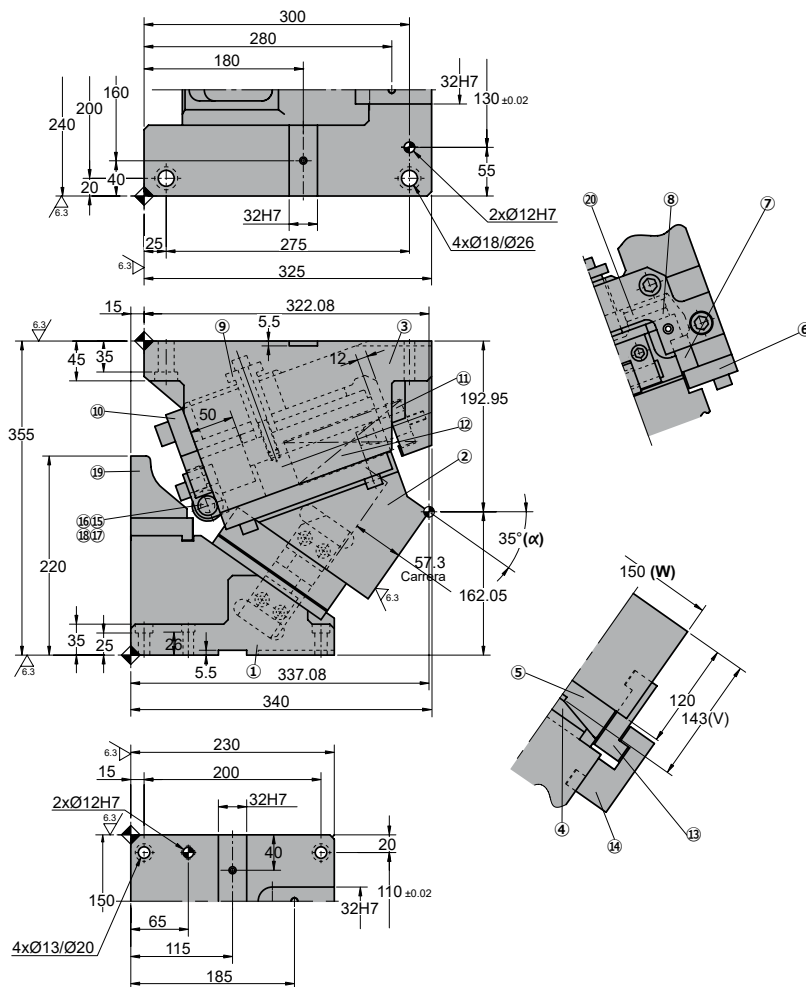
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

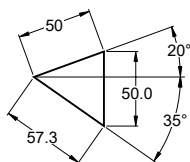
Aerial cam for pierce

**AZOL
GAS**

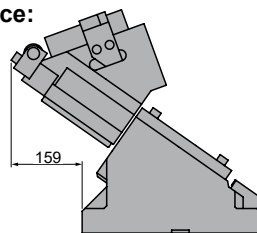
ASGN 0150 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
57.3	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	113.1	ASGN	0150	35



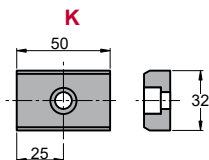
Order: Model (W) (α)

ASGN 0150 35

Standard order example according to catalog sheet.
Add options applying options table contents.

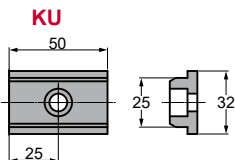
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 35-K

ASGN 0150 35-P13

ASGN 0150 35-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

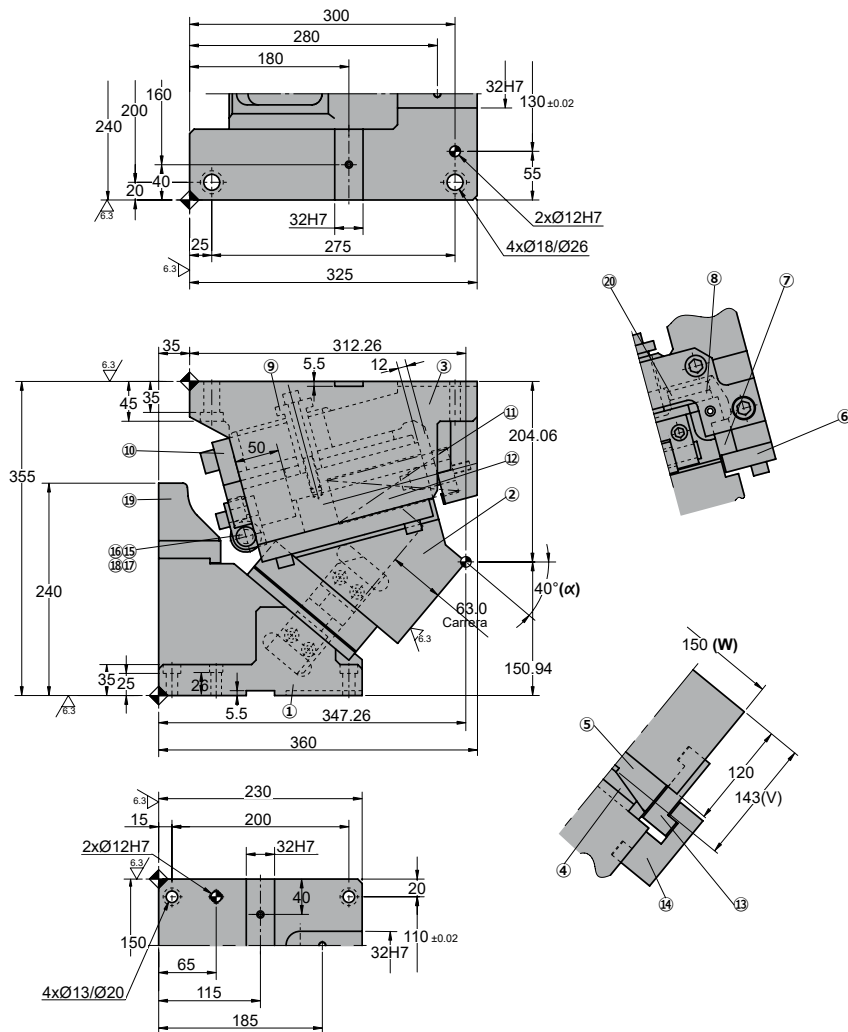
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

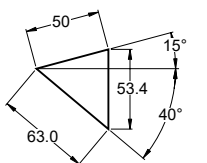
Aerial cam for pierce

**AZOL
GAS**

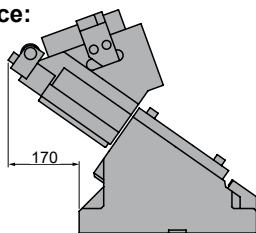
ASGN 0150 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
63.0	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	114.7	ASGN	0150	40



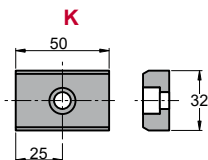
Order: Model (W) (α)

ASGN 0150 40

Standard order example according to catalog sheet.
Add options applying options table contents.

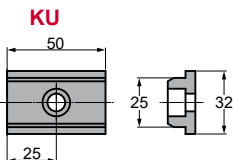
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 40-K

ASGN 0150 40-P13

ASGN 0150 40-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

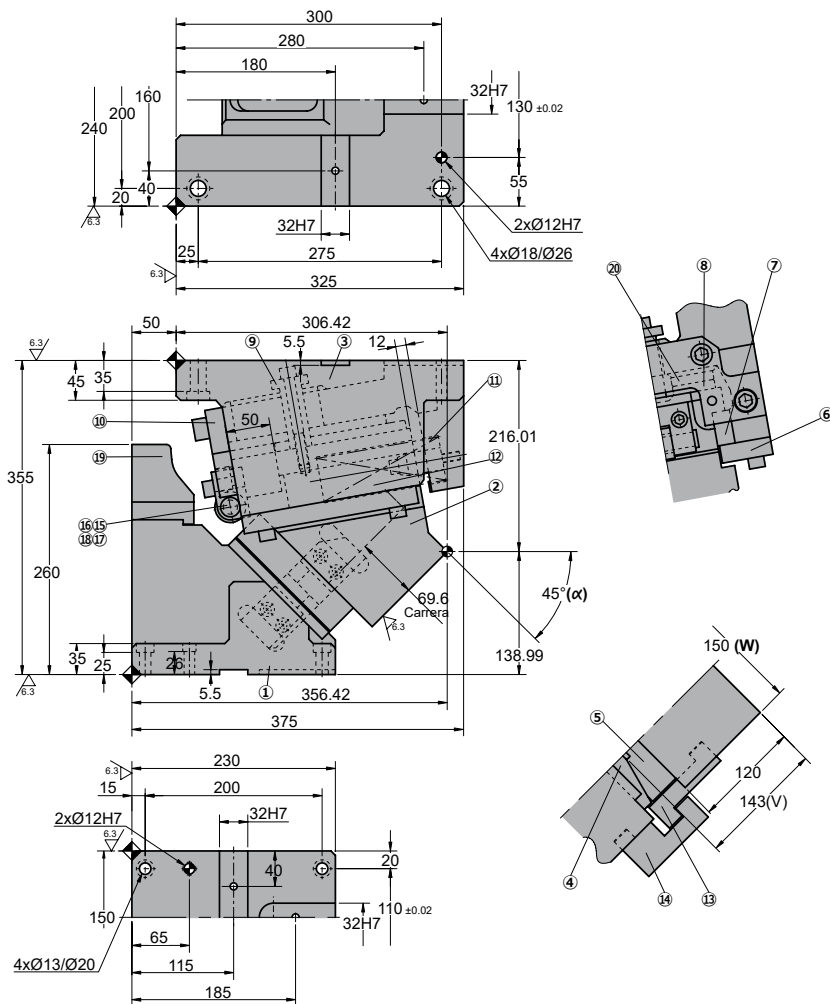
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

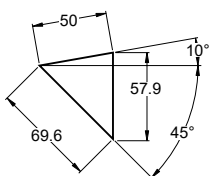
Aerial cam for pierce

**AZOL
GAS**

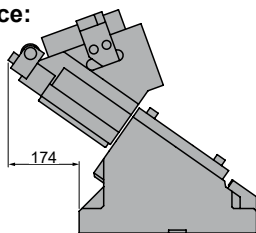
ASGN 0150 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
69.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	115.8	ASGN	0150	45



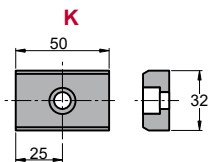
Order: Model (W) (α)

ASGN 0150 45

Standard order example according to catalog sheet.
Add options applying options table contents.

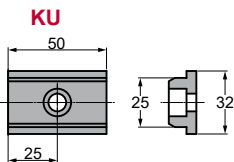
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 45-K

ASGN 0150 45-P13

ASGN 0150 45-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.4	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	117.5	ASGN	0150	50



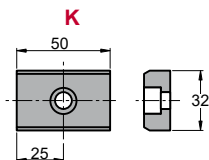
Order: Model (W) (α)

ASGN 0150 50

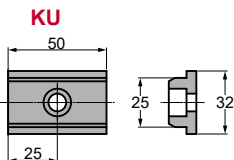
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 50-K

ASGN 0150 50-P13

ASGN 0150 50-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

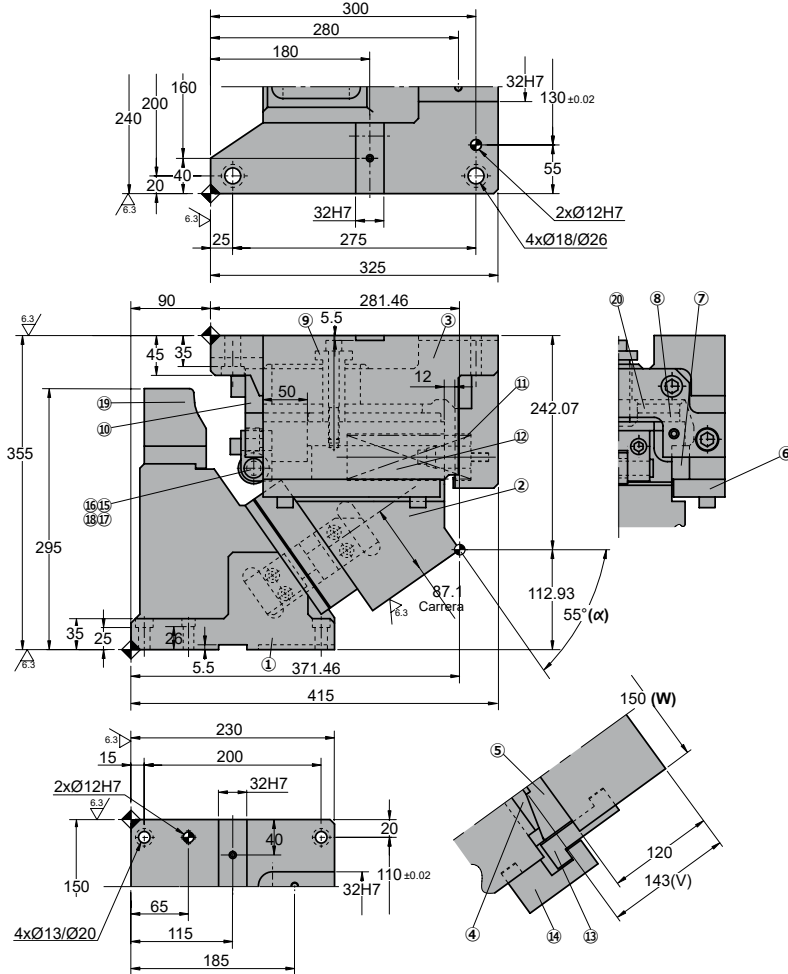
COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

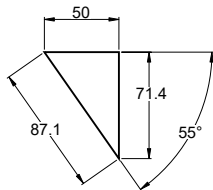
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

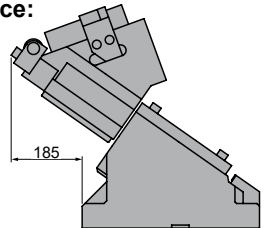
Aerial cam for pierce

**AZOL
GAS****ASGN 0150 55**

◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
87.1	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	117.5	ASGN	0150	55



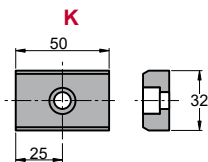
Order: Model (W) (α)

ASGN 0150 55

Standard order example according to catalog sheet.
Add options applying options table contents.

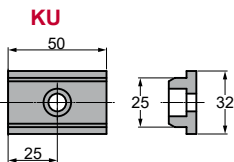
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 55-K

ASGN 0150 55-P13

ASGN 0150 55-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

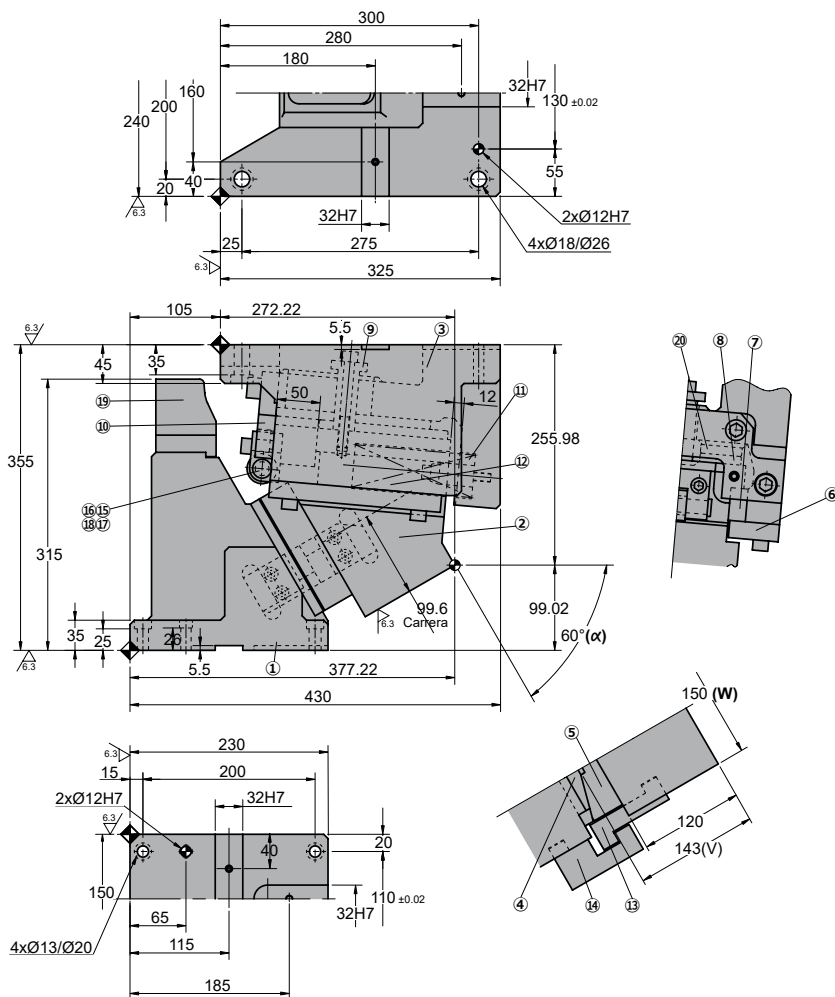
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

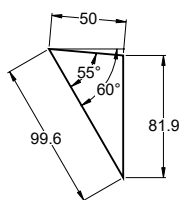
Aerial cam for pierce

**AZOL
GAS**

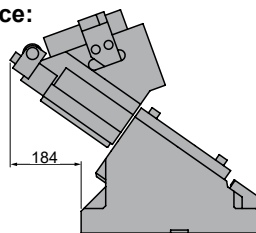
ASGN 0150 60



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
99.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	122.0	ASGN	0150	60



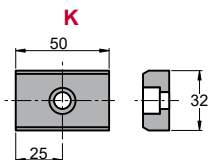
Order: Model (W) (α)

ASGN 0150 60

Standard order example according to catalog sheet.
Add options applying options table contents.

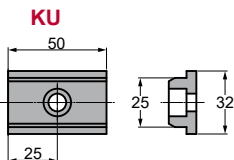
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 60-K

ASGN 0150 60-P13

ASGN 0150 60-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

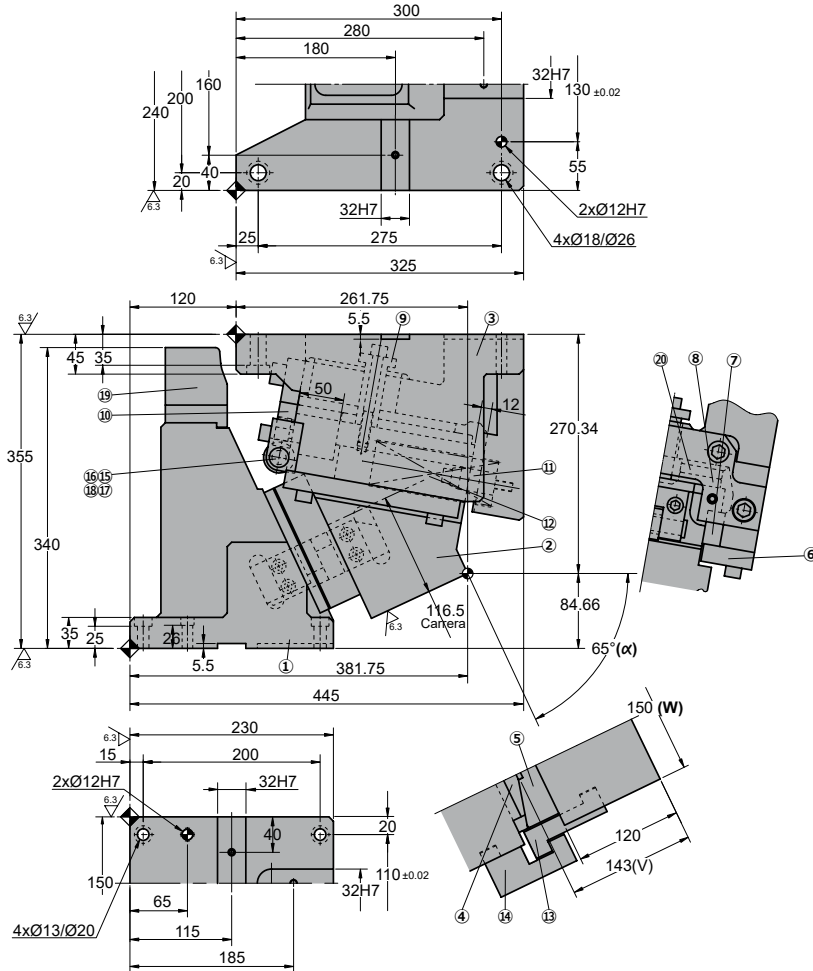
No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

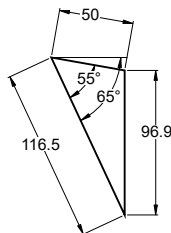
ASGN 0150

Aerial cam for pierce

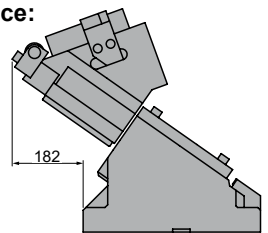
ASGN 0150 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
116.5	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	126.0	ASGN	0150	65



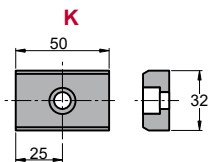
Order: Model (W) (α)

ASGN 0150 65

Standard order example according to catalog sheet.
Add options applying options table contents.

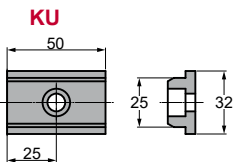
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0150 65-K

ASGN 0150 65-P13

ASGN 0150 65-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

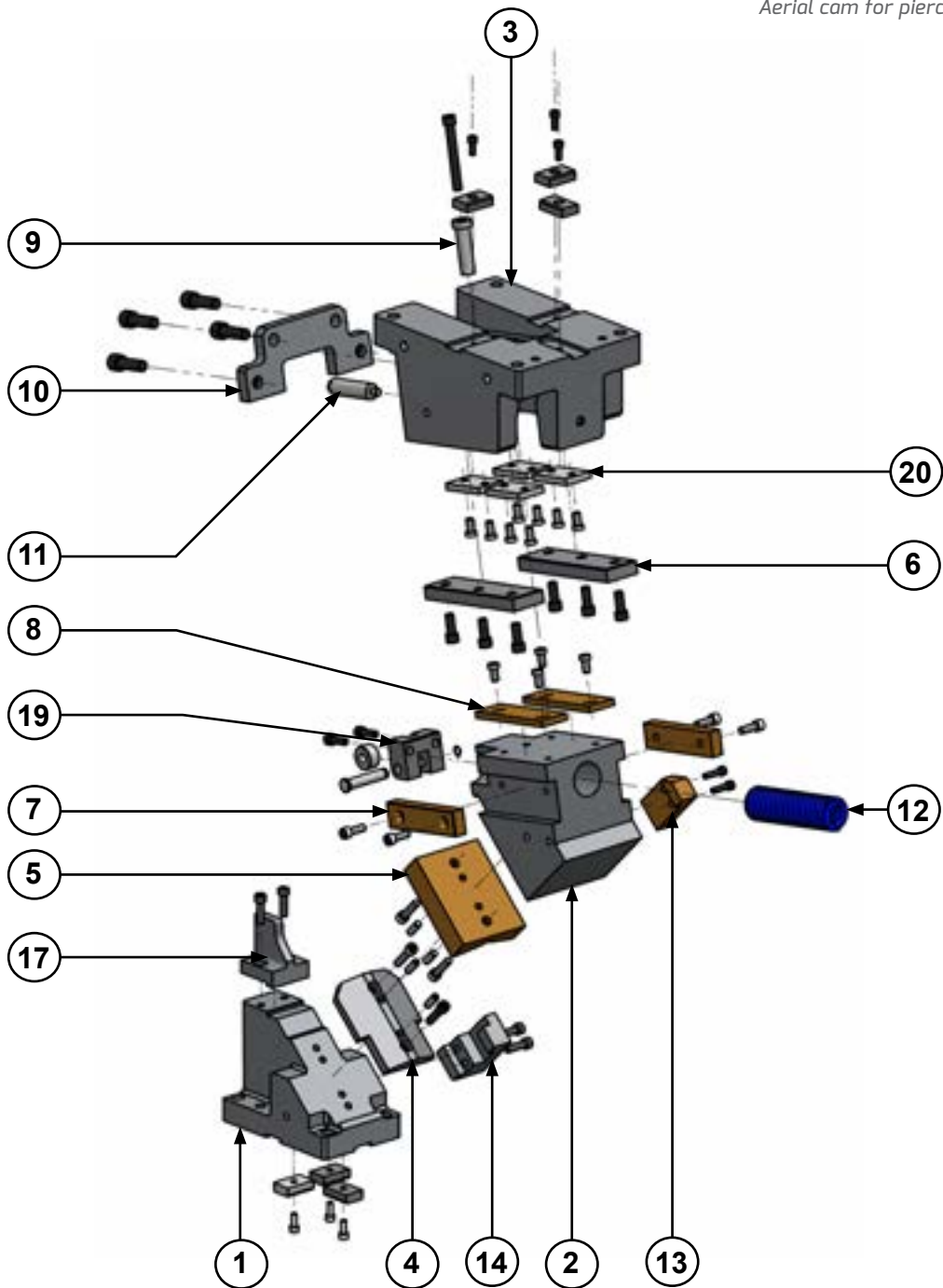
ASGN 0150



Aerial cam for pierce

ASGN 0200

Aerial cam for pierce

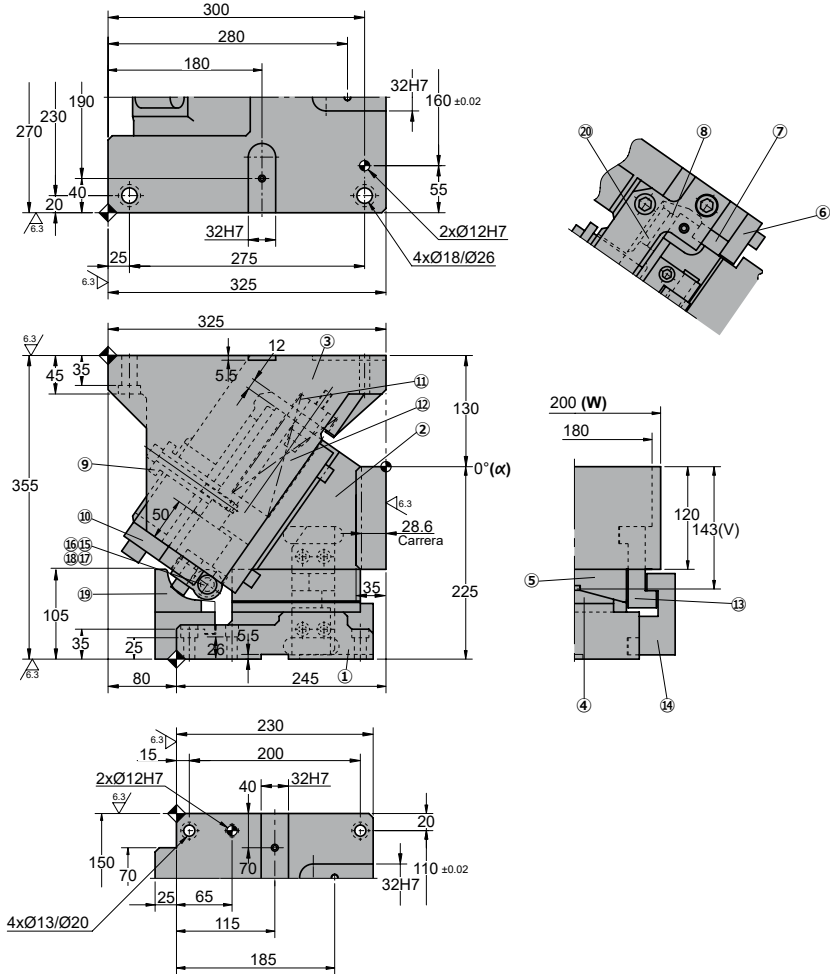


ASGN 0200

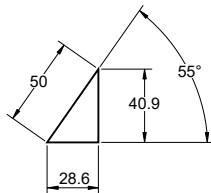
Aerial cam for pierce

**AZOL
GAS** 

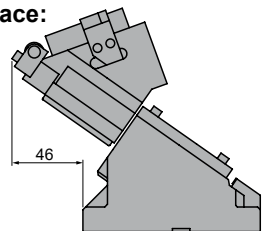
ASGN 0200 00



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
28.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	129.7	ASGN	0200	00



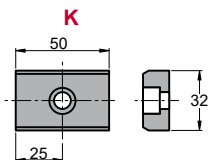
Order: **Model (W) (α)**

ASGN 0200 00

Standard order example according to catalog sheet. Add options applying options table contents.

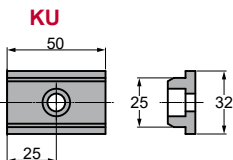
OPTIONS

K - KU

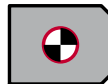


6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: **Model (W) (α)-Option**



ASGN 0200 00-K

ASGN 0200 00-P13

ASGN 0200 00-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

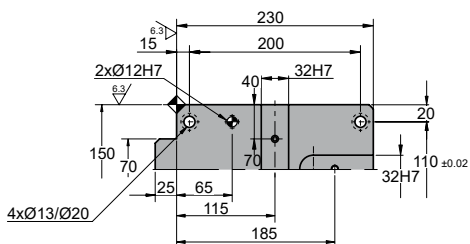
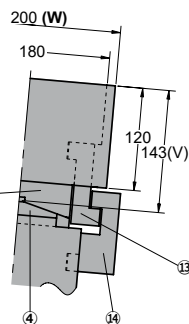
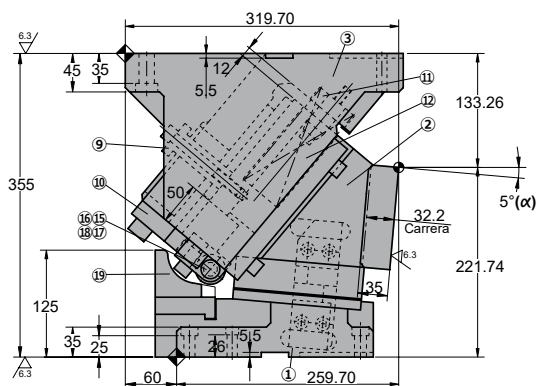
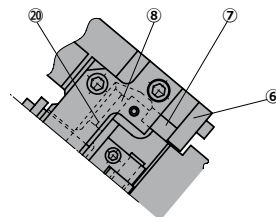
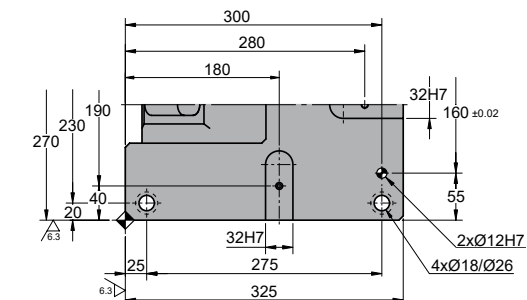
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

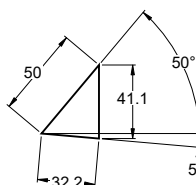
Aerial cam for pierce

**AZOL
GAS**

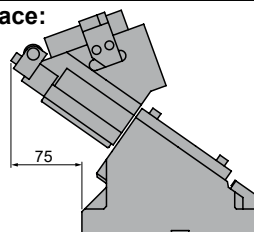
ASGN 0200 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.2	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	126.6	ASGN	0200	05



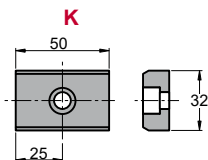
Order: **Model (W) (α)**

ASGN 0200 05

Standard order example according to catalog sheet. Add options applying options table contents.

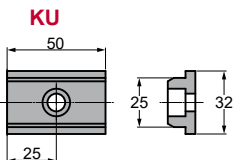
OPTIONS

K - KU

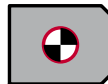


6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: **Model (W) (α)-Option**



ASGN 0200 05-K

ASGN 0200 05-P13

ASGN 0200 05-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

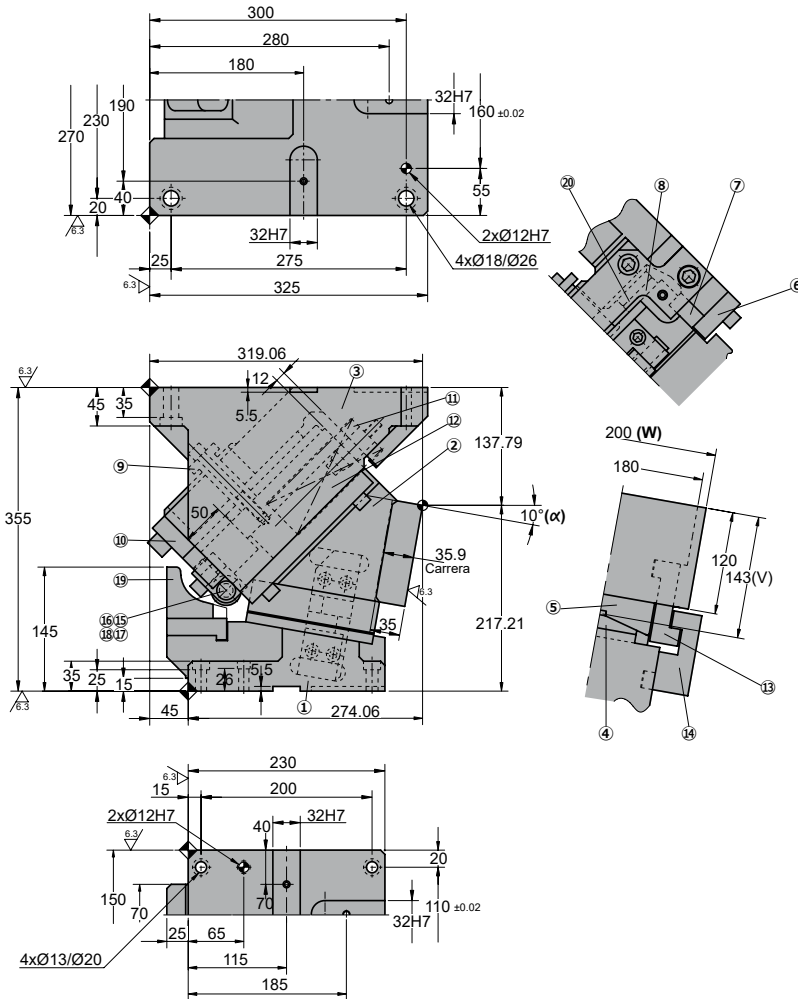
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

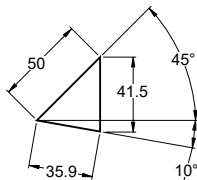
Aerial cam for pierce

AZOL
GAS 

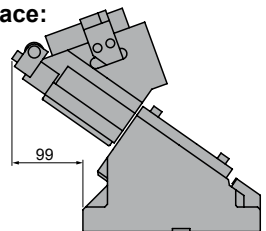
ASGN 0200 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.9	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	124.8	ASGN	0200	10



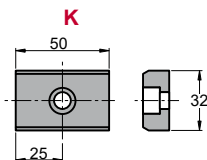
Order: Model (W) (α)

ASGN 0200 10

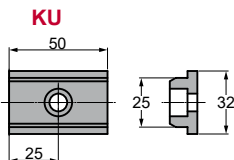
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 10-K

ASGN 0200 10-P13

ASGN 0200 10-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

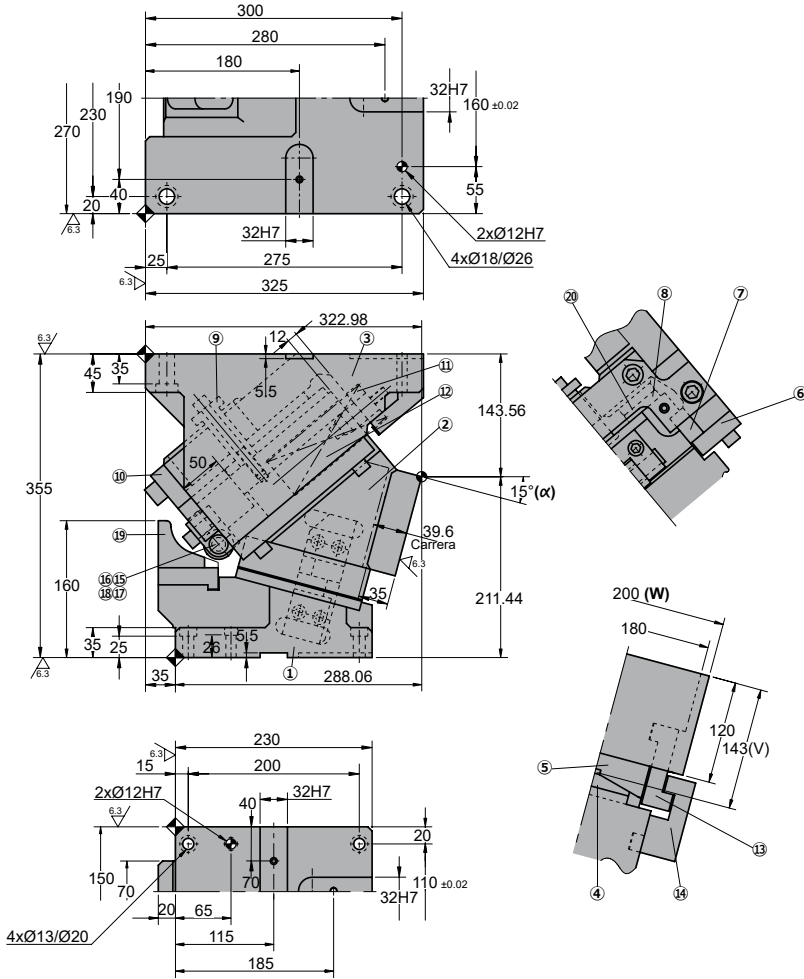
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

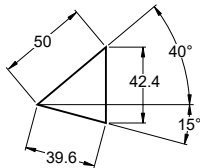
Aerial cam for pierce



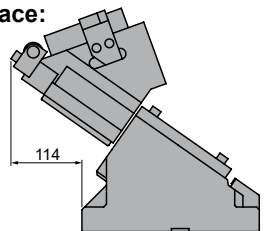
ASGN 0200 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	127.4	ASGN	0200	15



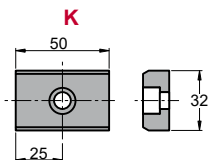
Order: Model (W) (α)

ASGN 0200 15

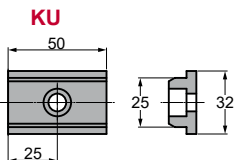
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 15-K

ASGN 0200 15-P13

ASGN 0200 15-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
43.5	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	123.2	ASGN	0200	20



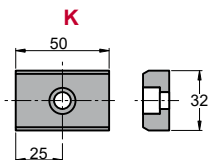
Order: Model (W) (α)

ASGN 0200 20

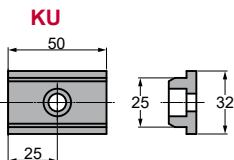
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 20-K

ASGN 0200 20-P13

ASGN 0200 20-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

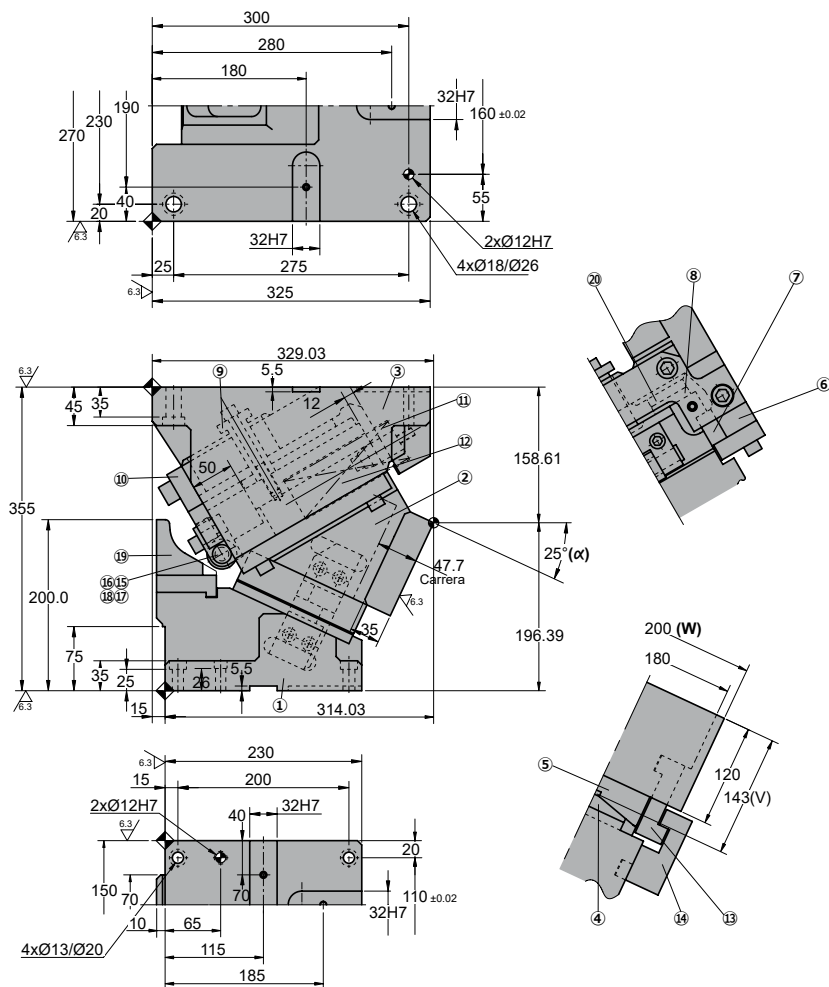
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

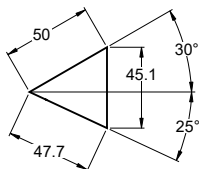
Aerial cam for pierce

**AZOL
GAS** 

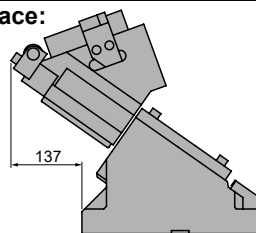
ASGN 0200 25



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.7	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	123.0	ASGN	0200	25



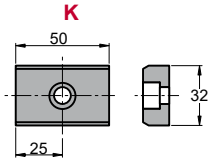
Order: Model (W) (α)

ASGN 0200 25

Standard order example according to catalog sheet.
Add options applying options table contents.

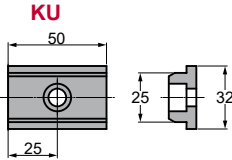
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 25-K

ASGN 0200 25-P13

ASGN 0200 25-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
52.3	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	121.7	ASGN	0200	30



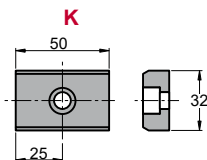
Order: Model (W) (α)

ASGN 0200 30

Standard order example according to catalog sheet.
Add options applying options table contents.

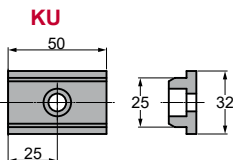
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 30-K

ASGN 0200 30-P13

ASGN 0200 30-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

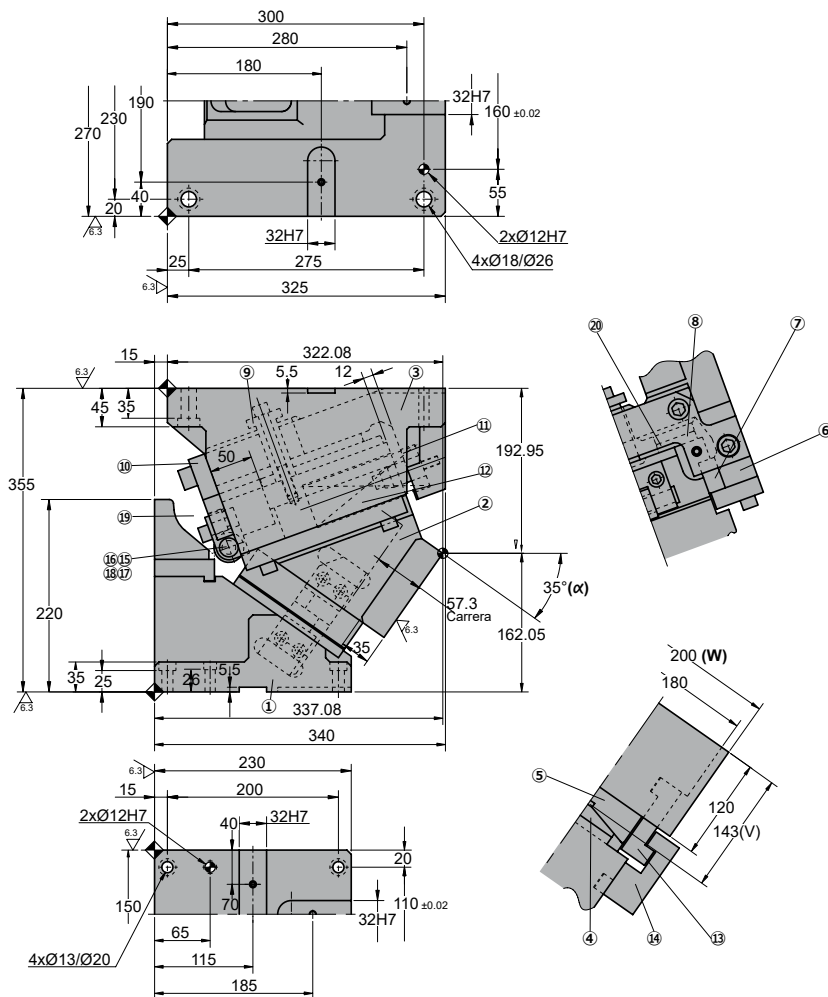
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

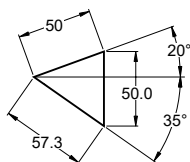
Aerial cam for pierce

AZOL
GAS

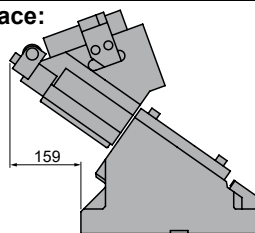
ASGN 0200 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
57.3	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	125.3	ASGN	0200	35



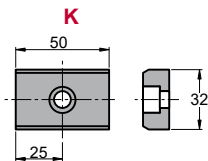
Order: Model (W) (α)

ASGN 0200 35

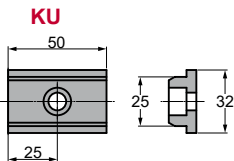
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 35-K

ASGN 0200 35-P13

ASGN 0200 35-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
63.0	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	126.8	ASGN	0200	40



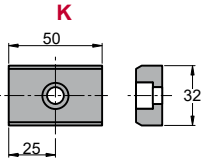
Order: Model (W) (α)

ASGN 0200 40

Standard order example according to catalog sheet.
Add options applying options table contents.

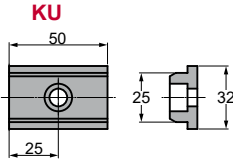
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 40-K

ASGN 0200 40-P13

ASGN 0200 40-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

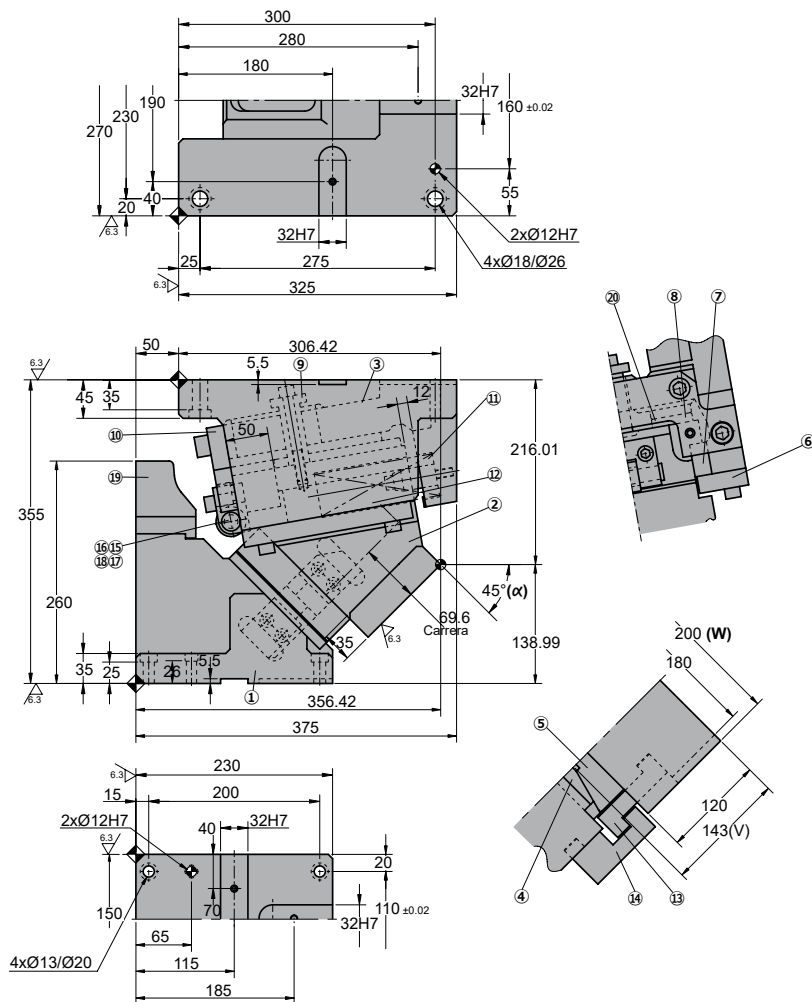
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

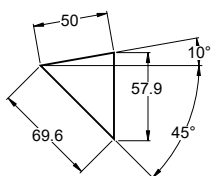
Aerial cam for pierce

**AZOL
GAS** 

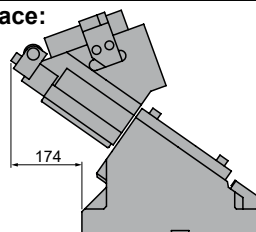
ASGN 0200 45



◦Cam diagram:



◦Desassembling space:



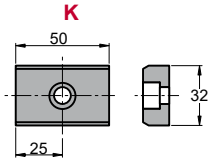
Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
69.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	127.9	ASGN	0200	45


Order: Model (W) (α)
ASGN 0200 45

 Standard order example according to catalog sheet.
 Add options applying options table contents.

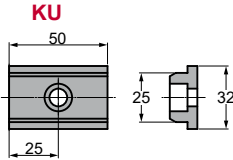
OPTIONS

K - KU



6 x M8x15

KEY



P PINS


P13 - Ø13 H7.
Order Options: Model (W) (α)-Option

ASGN 0200 45-K
ASGN 0200 45-P13
ASGN 0200 45-P13-K


SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

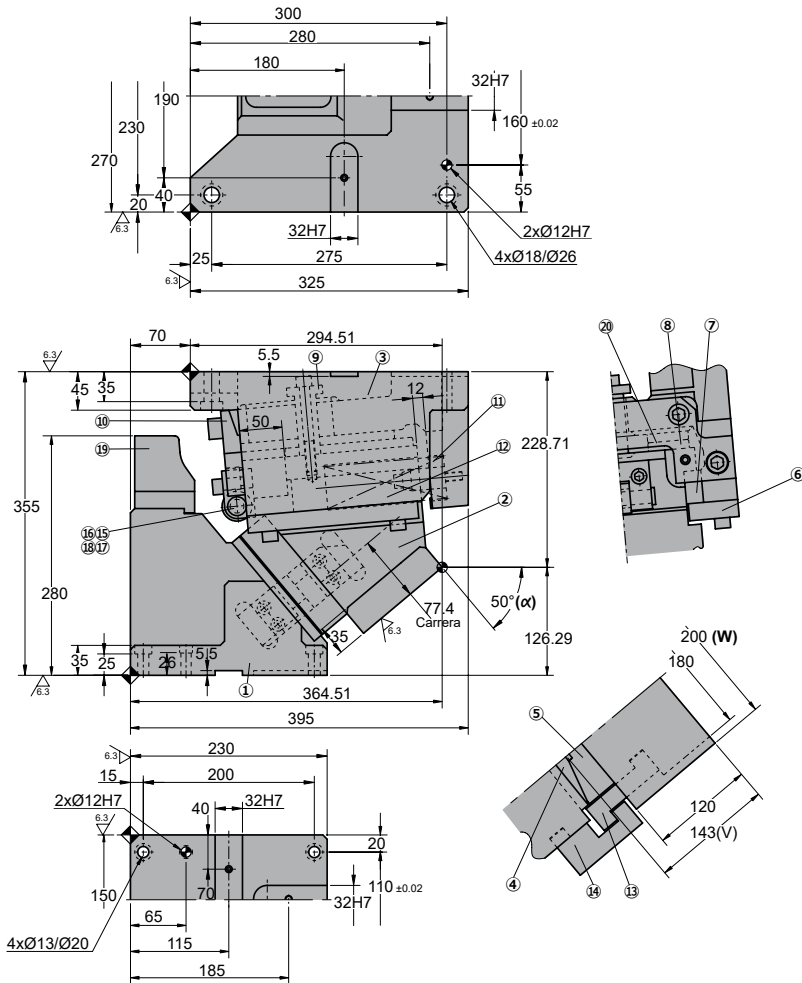
No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

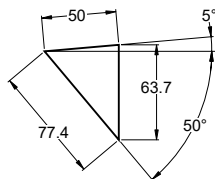
ASGN 0200

Aerial cam for pierce

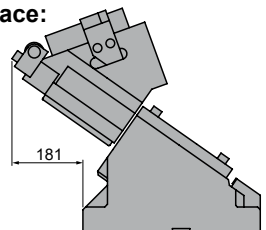
ASGN 0200 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.4	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	129.8	ASGN	0200	50



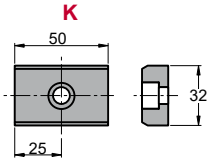
Order: Model (W) (α)

ASGN 0200 50

Standard order example according to catalog sheet.
Add options applying options table contents.

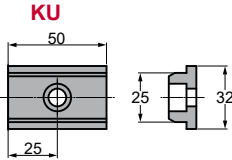
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 50-K

ASGN 0200 50-P13

ASGN 0200 50-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

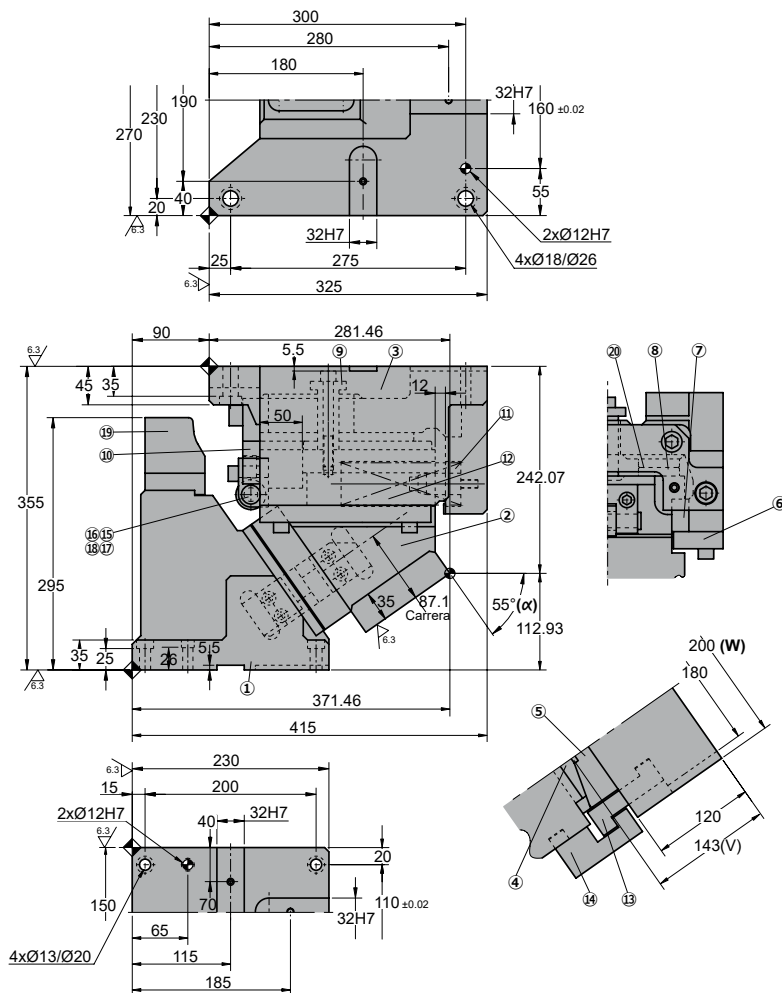
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

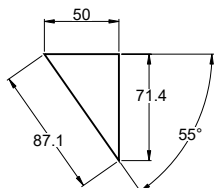
Aerial cam for pierce

**AZOL
GAS**

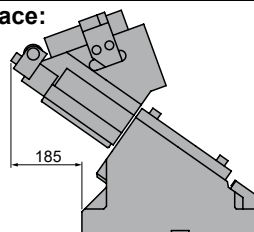
ASGN 0200 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
87.1	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	132.6	ASGN	0200	55



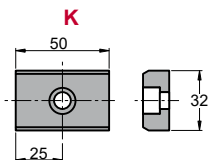
Order: Model (W) (α)

ASGN 0200 55

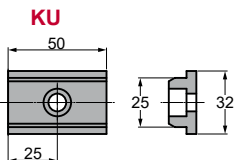
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 55-K

ASGN 0200 55-P13

ASGN 0200 55-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

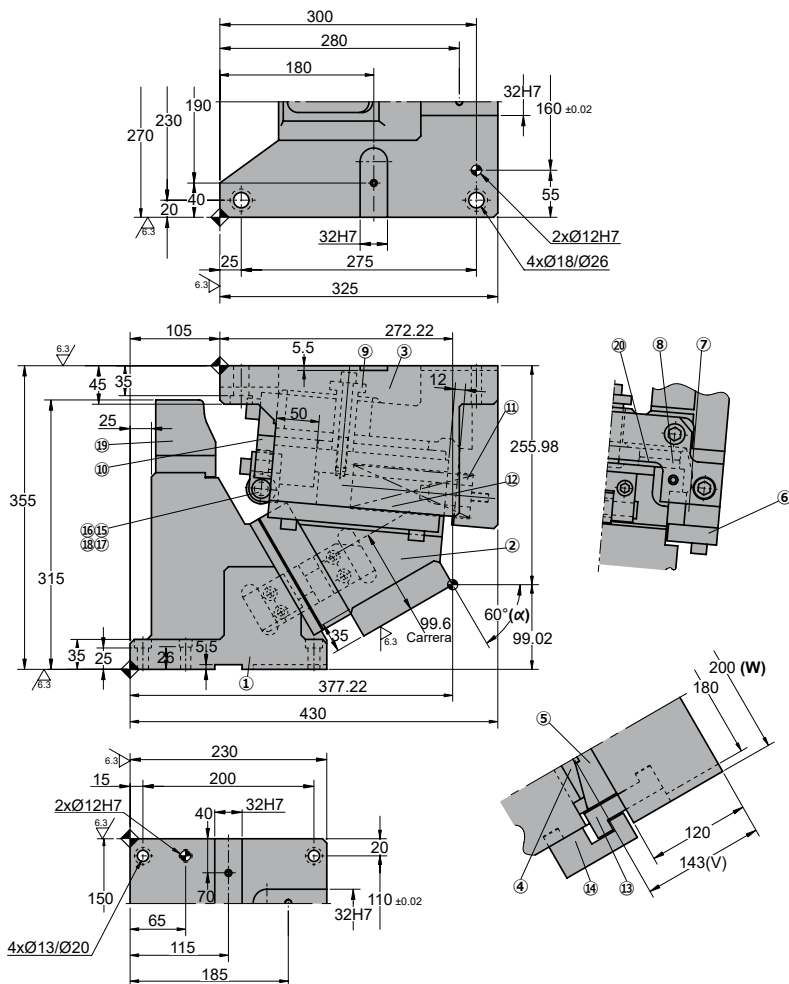
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

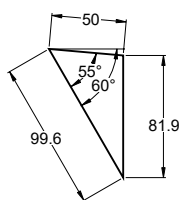
Aerial cam for pierce

AZOL
GAS 

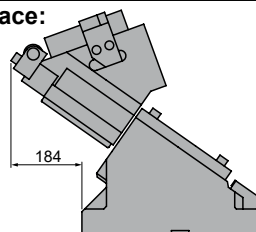
ASGN 0200 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
99.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	135.1	ASGN	0200	60



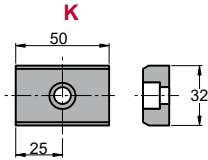
Order: Model (W) (α)

ASGN 0200 60

Standard order example according to catalog sheet.
Add options applying options table contents.

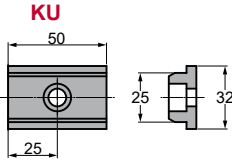
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option



ASGN 0200 60-K

ASGN 0200 60-P13

ASGN 0200 60-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

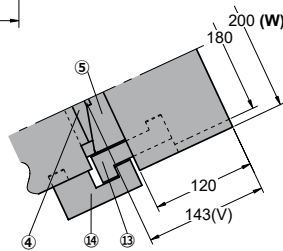
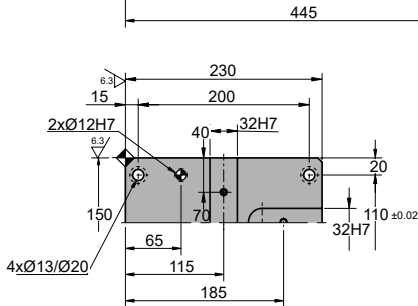
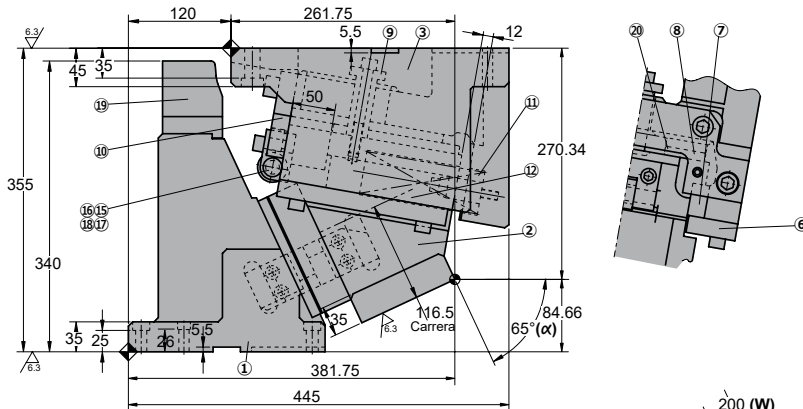
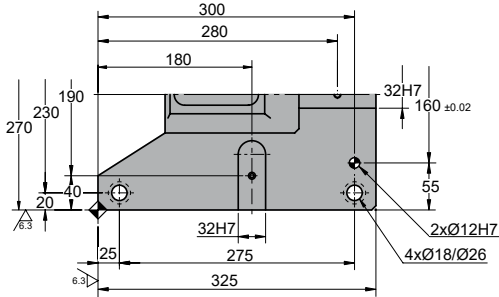
No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

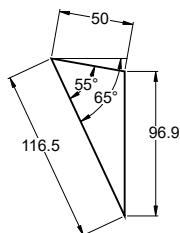
Aerial cam for pierce

**AZOL
GAS**

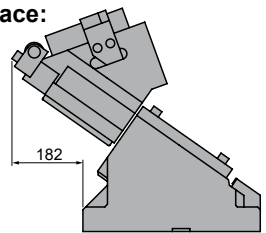
ASGN 0200 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
116.5	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	138.9	ASGN	0200	65



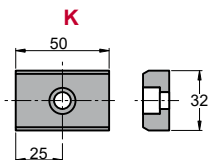
Order: Model (W) (α)

ASGN 0200 65

Standard order example according to catalog sheet.
Add options applying options table contents.

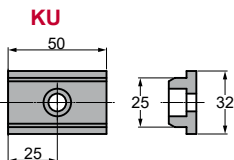
OPTIONS

K - KU



6 x M8x15

KEY



P PINS



P13 - Ø13 H7.

Order Options: ~~Model~~ (W) (α)-Option



ASGN 0200 65-K

ASGN 0200 65-P13

ASGN 0200 65-P13-K



SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slider Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑮	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

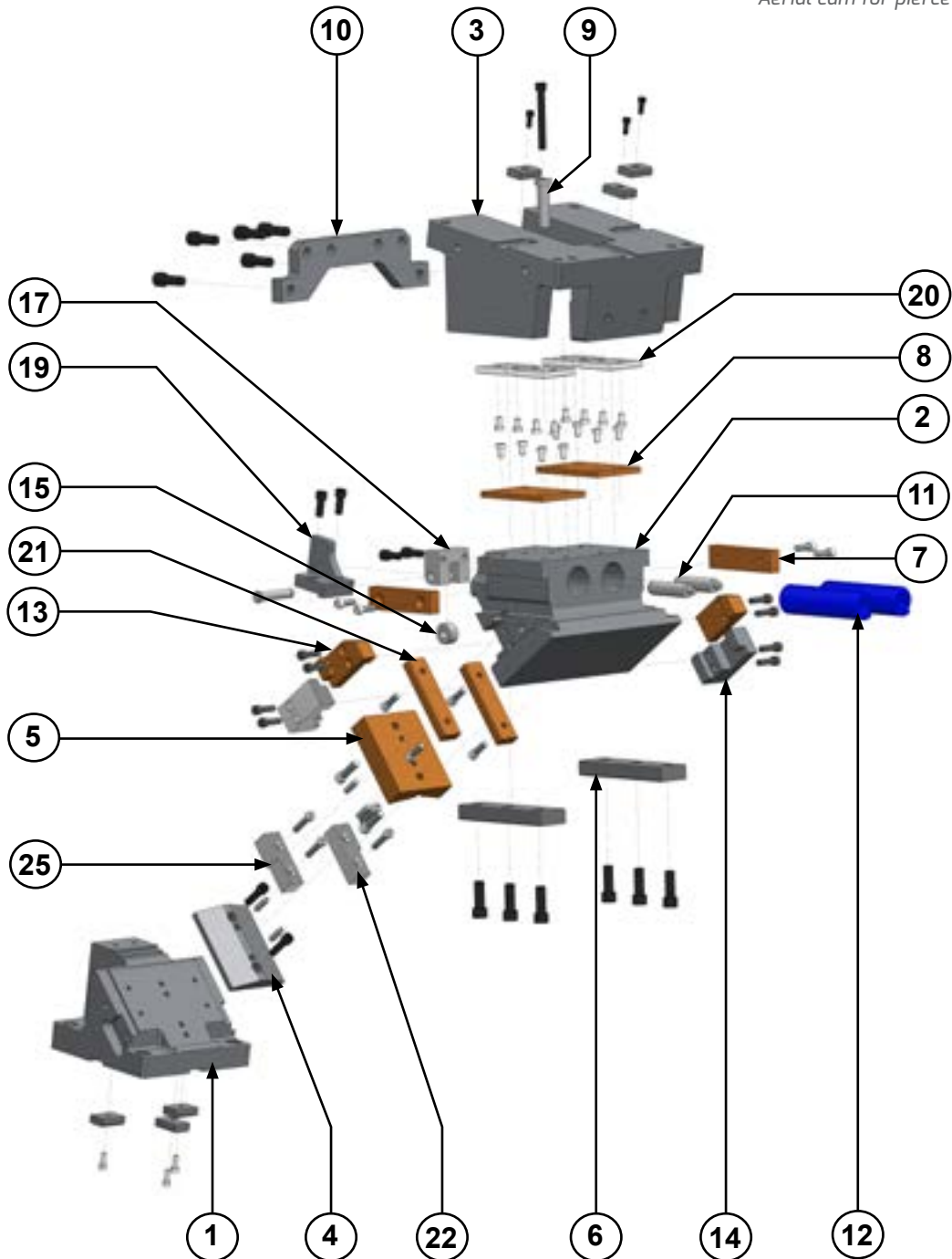
ASGN 0200



Aerial cam for pierce

ASGN 0300

Aerial cam for pierce

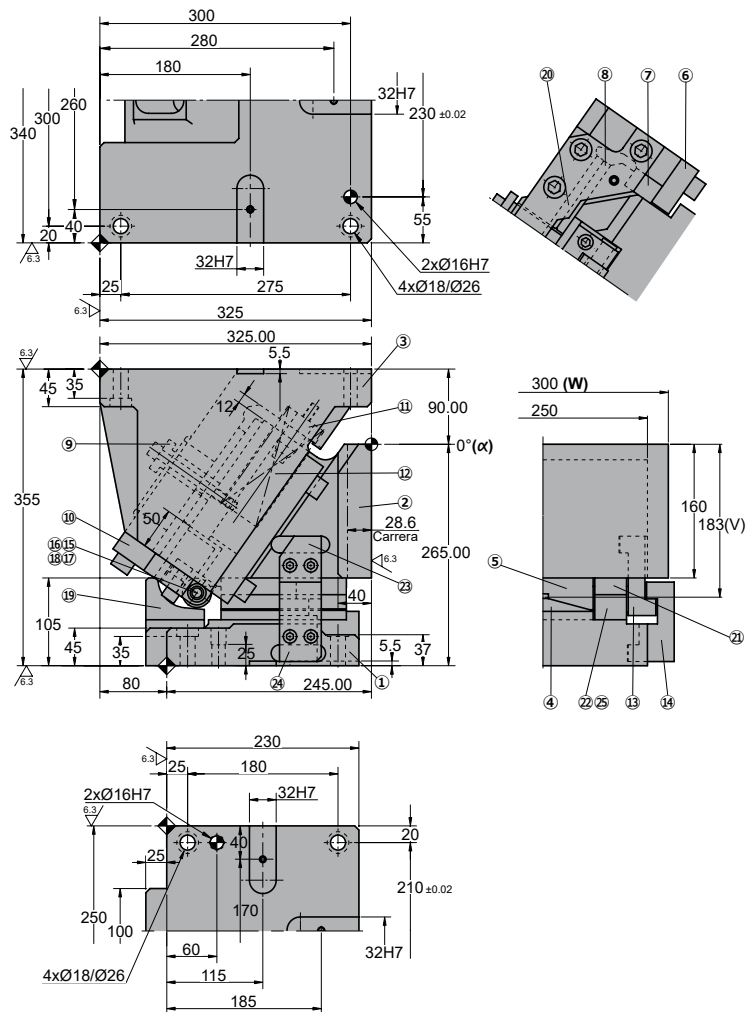


ASGN 0300

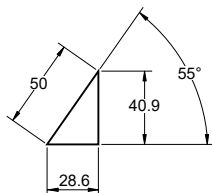
Aerial cam for pierce

**AZOL
GAS** 

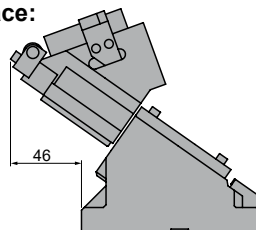
ASGN 0300 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
28.6	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	184.5	ASGN	0300	00



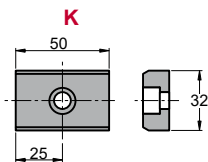
Order: Model (W) (α)

ASGN 0300 00

Standard order example according to catalog sheet.
Add options applying options table contents.

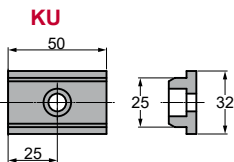
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 00-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
32.2	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	181.0	ASGN	0300	05



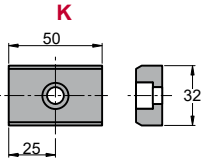
Order: Model (W) (α)

ASGN 0300 05

Standard order example according to catalog sheet.
Add options applying options table contents.

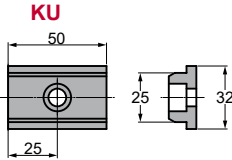
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 05-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

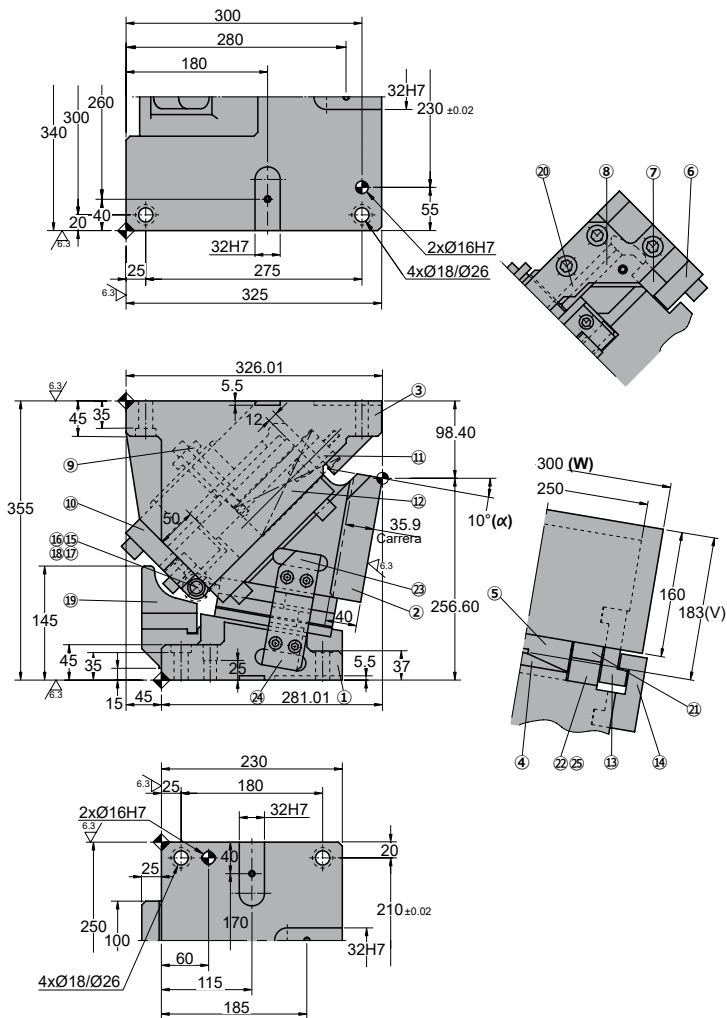
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

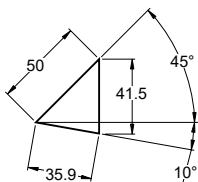
Aerial cam for pierce

AZOL
GAS

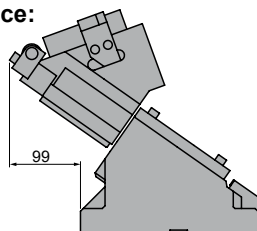
ASGN 0300 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
35.9	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	178.7	ASGN	0300	10



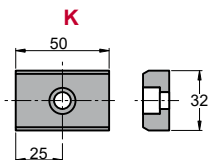
Order: Model (W) (α)

ASGN 0300 10

Standard order example according to catalog sheet.
Add options applying options table contents.

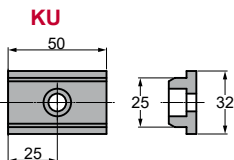
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 10-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

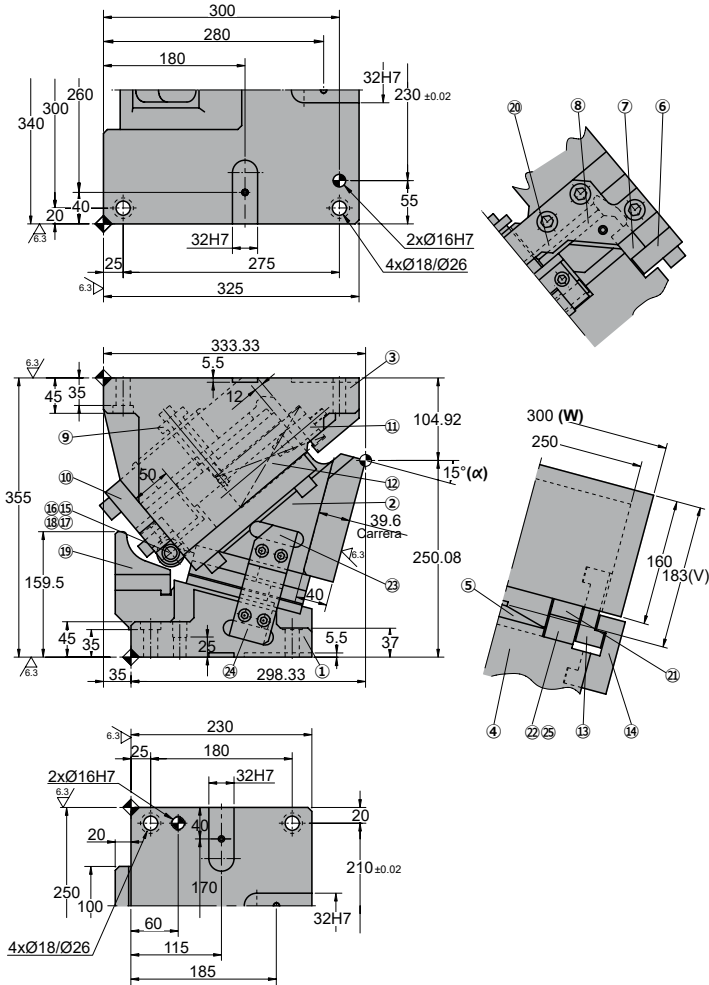
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

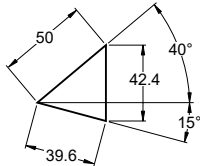
Aerial cam for pierce



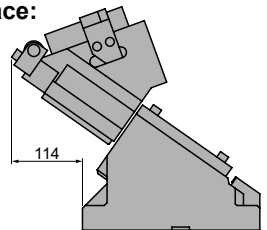
ASGN 0300 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
39.6	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	177.3	ASGN	0300	15



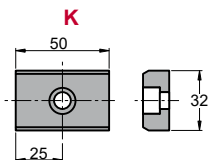
Order: Model (W) (α)

ASGN 0300 15

Standard order example according to catalog sheet.
Add options applying options table contents.

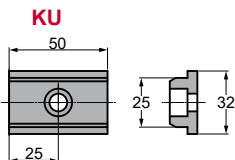
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 15-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

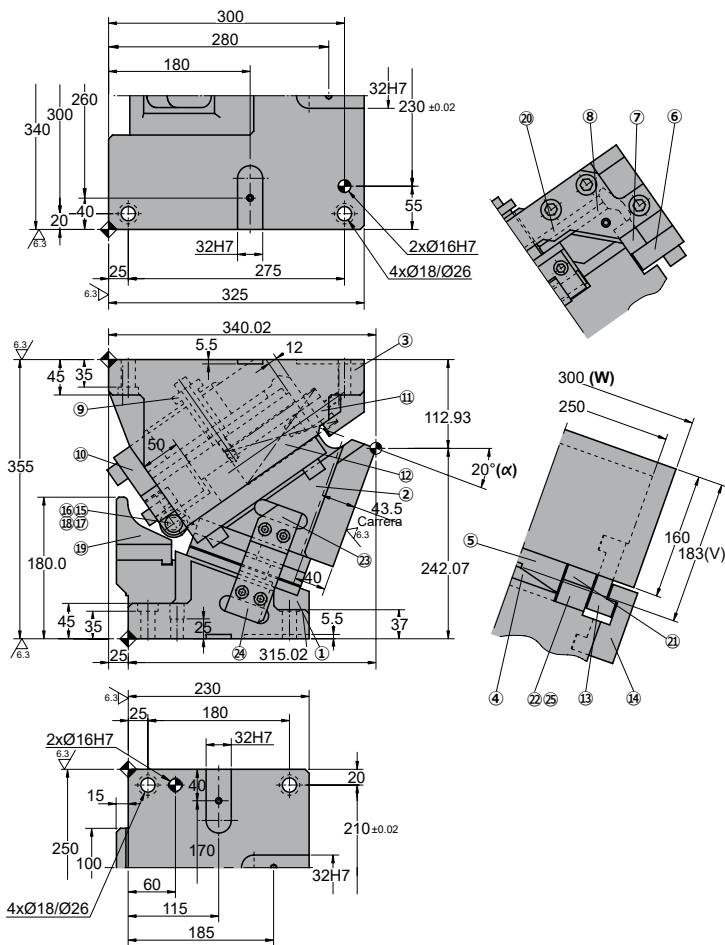
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

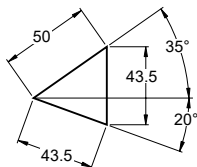
Aerial cam for pierce

AZOL
GAS

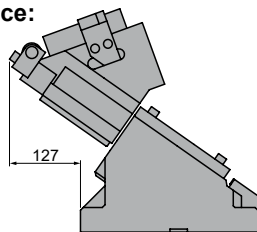
ASGN 0300 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
43.5	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	176.0	ASGN	0300	20



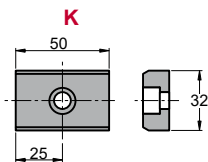
Order: Model (W) (α)

ASGN 0300 20

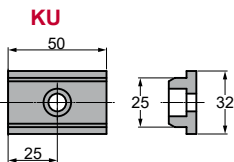
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

Order Options: Model (W) (α)-Option



ASGN 0300 20-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

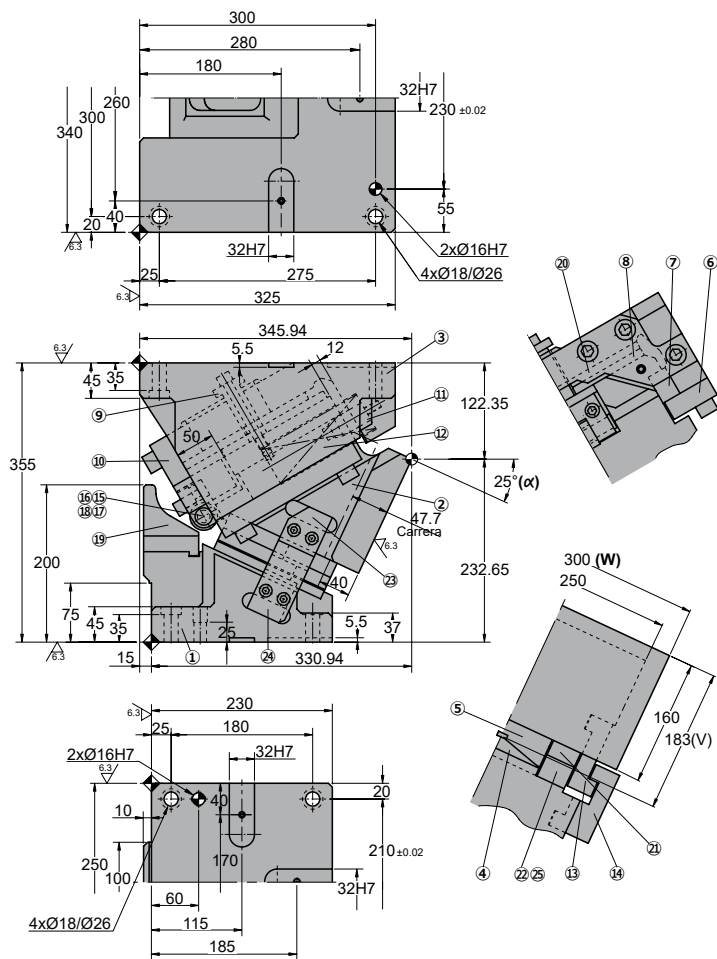
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

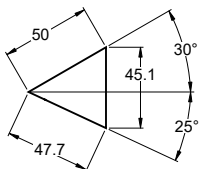
Aerial cam for pierce

AZOL
GAS

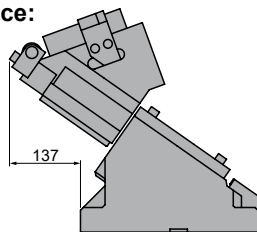
ASGN 0300 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
47.7	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	174.9	ASGN	0300	25



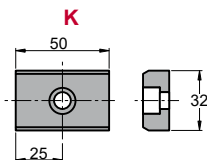
Order: Model (W) (α)

ASGN 0300 25

Standard order example according to catalog sheet.
Add options applying options table contents.

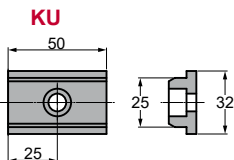
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 25-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

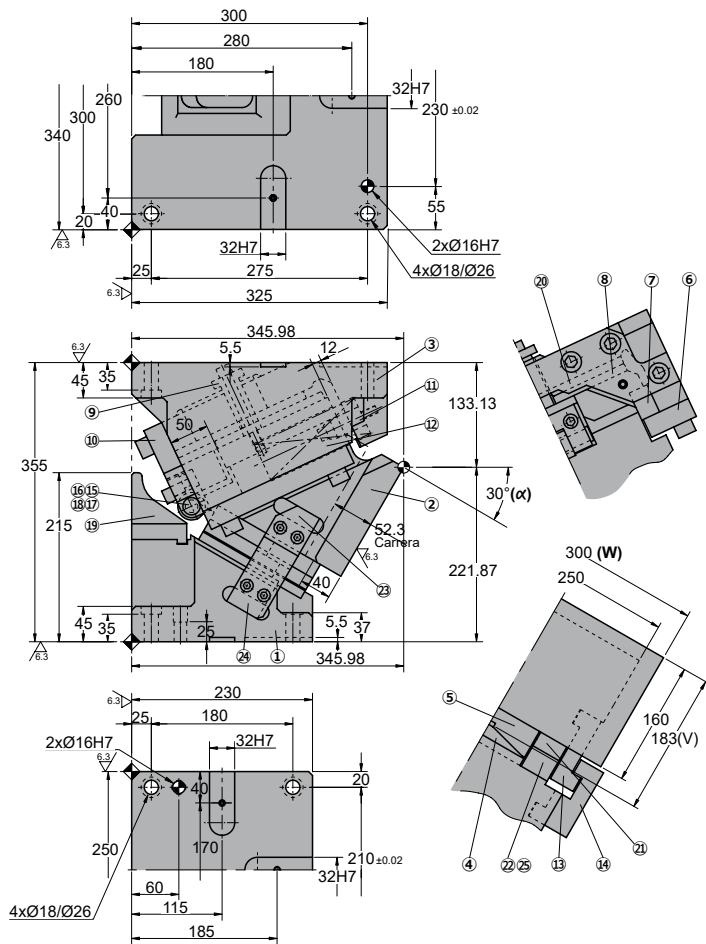
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

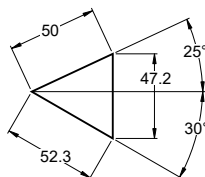
Aerial cam for pierce

AZOL
GAS

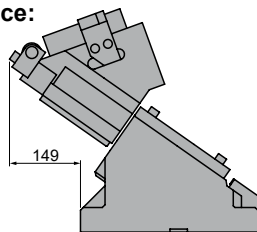
ASGN 0300 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
52.3	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	173.8	ASGN	0300	30



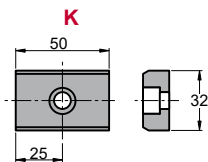
Order: Model (W) (α)

ASGN 0300 30

Standard order example according to catalog sheet.
Add options applying options table contents.

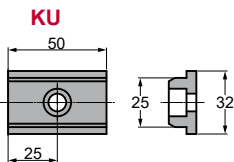
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 30-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

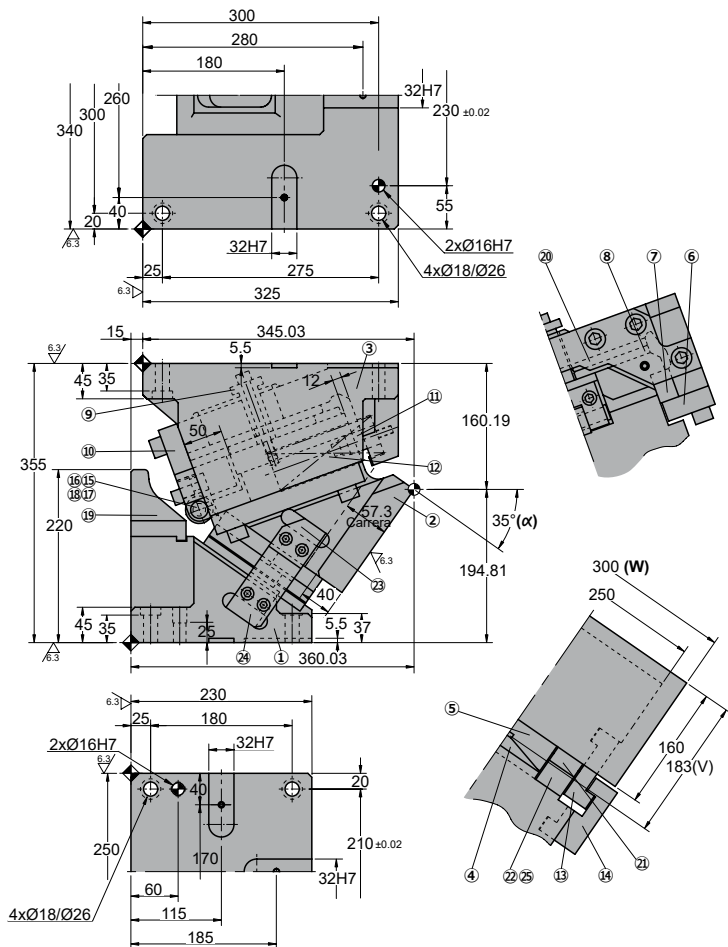
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

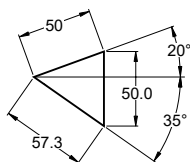
Aerial cam for pierce

**AZOL
GAS**

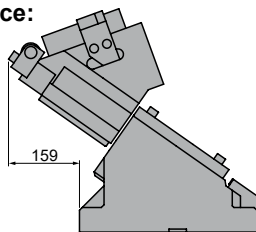
ASGN 0300 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
57.3	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	178.7	ASGN	0300	35



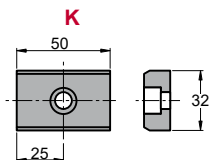
Order: Model (W) (α)

ASGN 0300 35

Standard order example according to catalog sheet.
Add options applying options table contents.

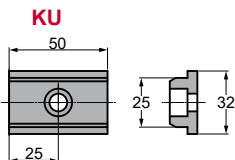
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 35-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

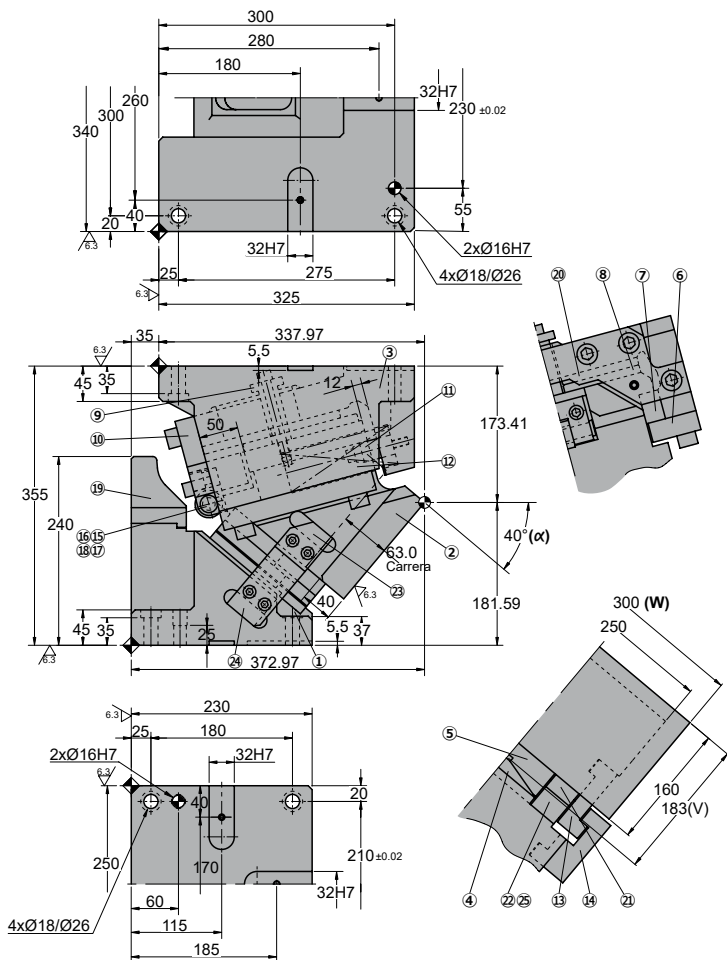
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

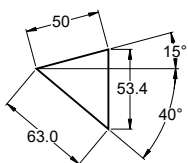
Aerial cam for pierce

**AZOL
GAS**

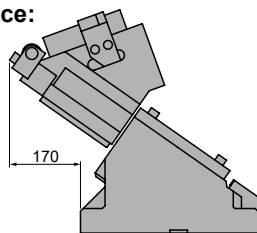
ASGN 0300 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
63.0	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	181.6	ASGN	0300	40



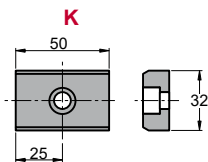
Order: Model (W) (α)

ASGN 0300 40

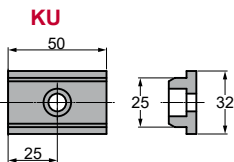
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



KEY



6 x M8x15

Order Options: Model (W) (α)-Option



ASGN 0300 40-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

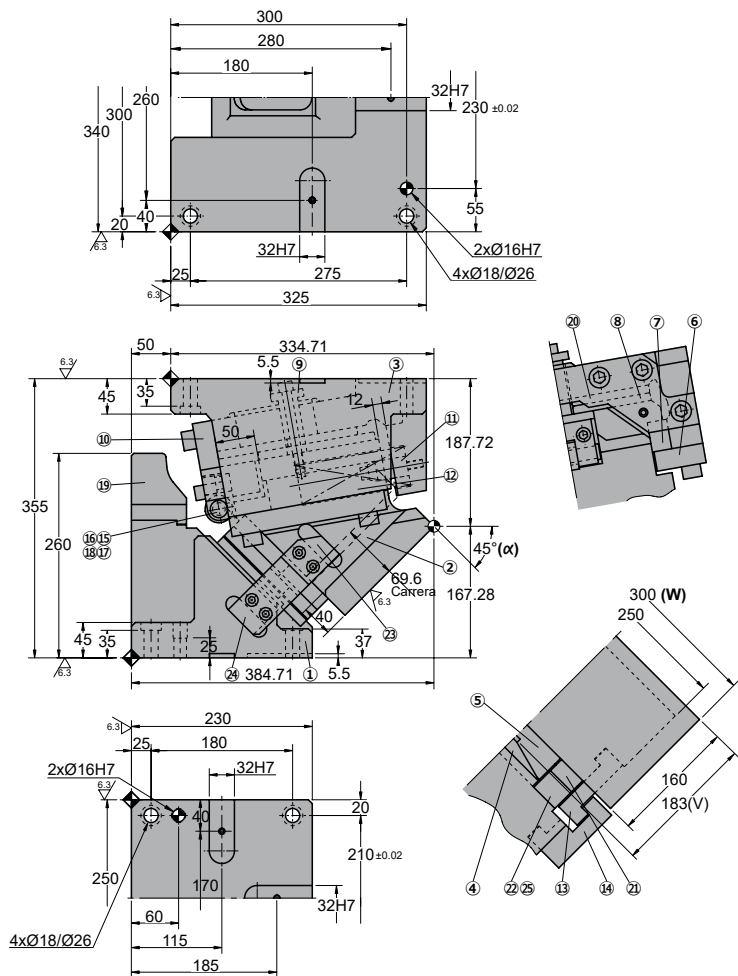
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

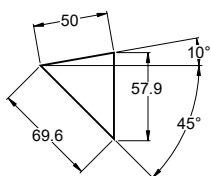
Aerial cam for pierce

**AZOL
GAS** 

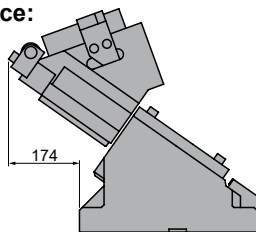
ASGN 0300 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
69.6	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	184.5	ASGN	0300	45



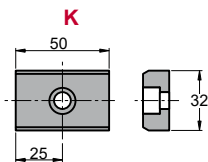
Order: Model (W) (α)

ASGN 0300 45

Standard order example according to catalog sheet.
Add options applying options table contents.

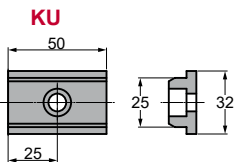
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 45-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

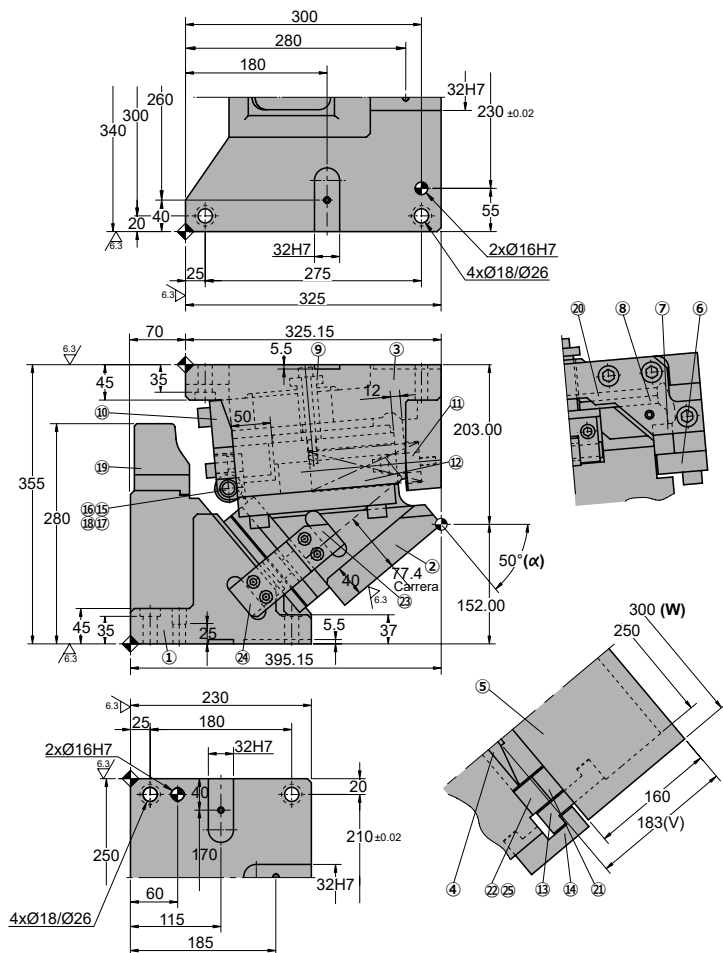
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

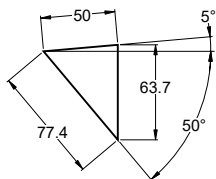
Aerial cam for pierce

**AZOL
GAS**

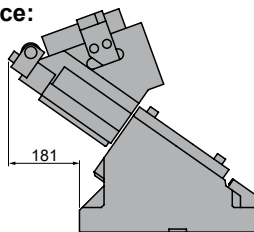
ASGN 0300 50



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
77.4	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	188.1	ASGN	0300	50



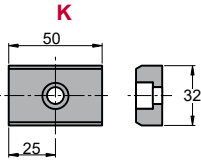
Order: Model (W) (α)

ASGN 0300 50

Standard order example according to catalog sheet.
Add options applying options table contents.

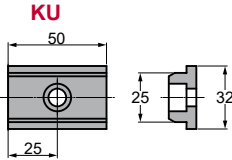
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 50-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

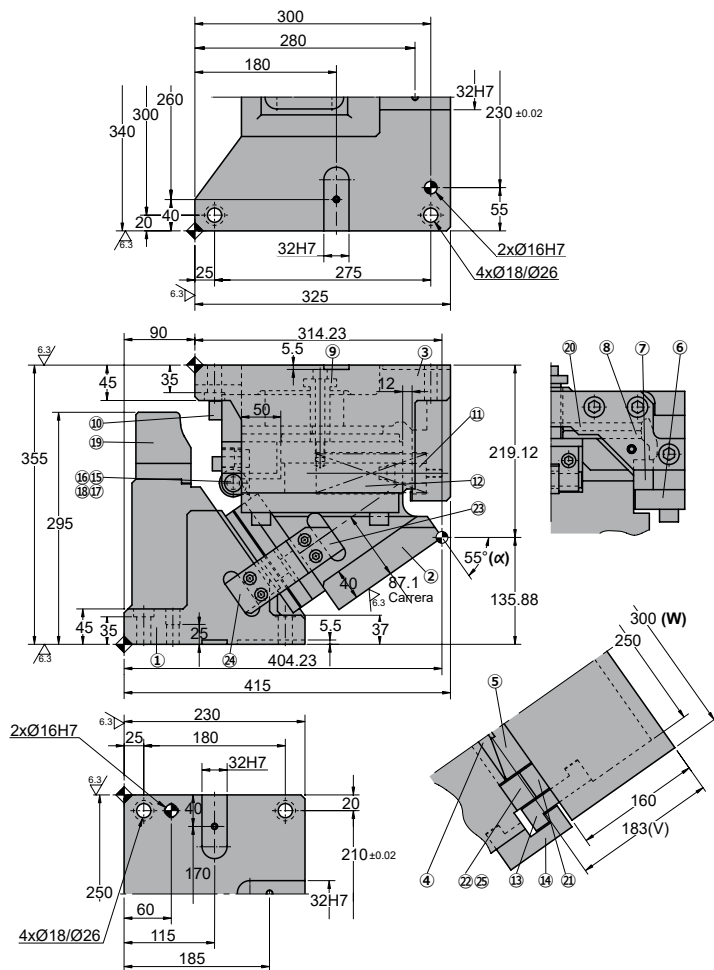
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

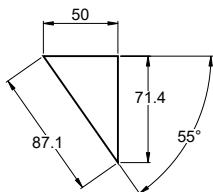
Aerial cam for pierce

AZOL
GAS

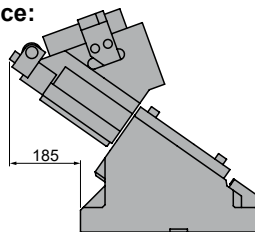
ASGN 0300 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
87.1	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	193.4	ASGN	0300	55



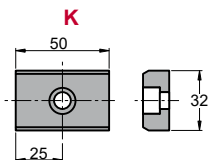
Order: Model (W) (α)

ASGN 0300 55

Standard order example according to catalog sheet.
Add options applying options table contents.

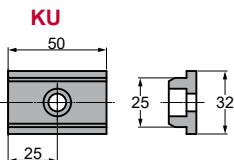
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 55-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

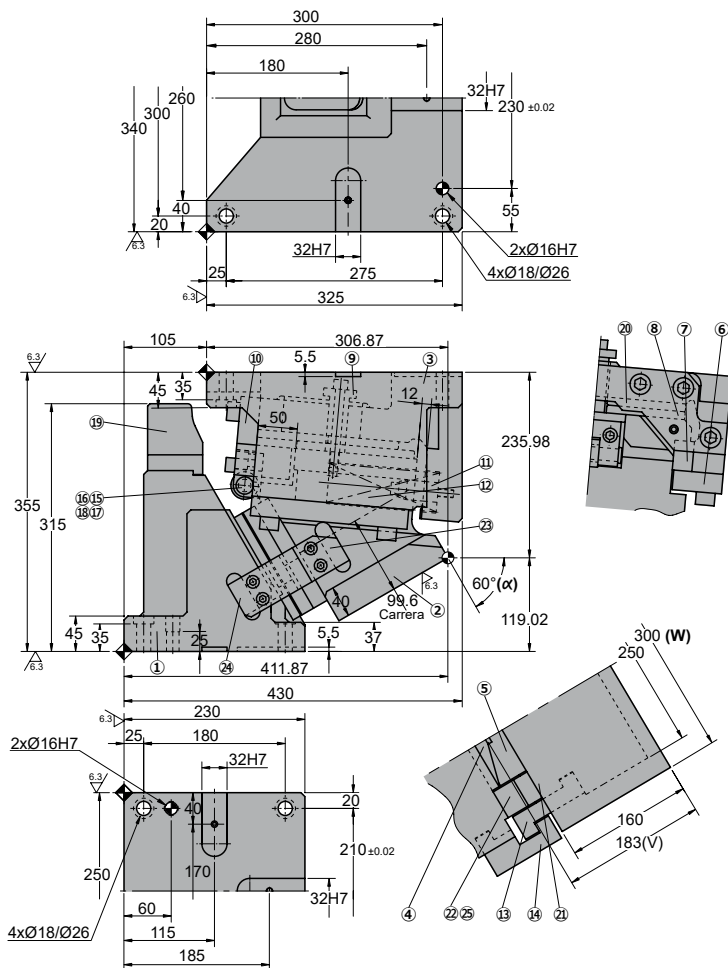
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

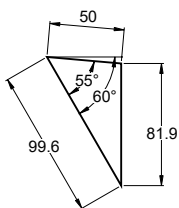
Aerial cam for pierce

**AZOL
GAS** 

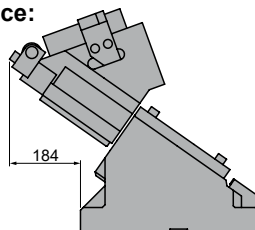
ASGN 0300 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
99.6	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	197.6	ASGN	0300	60



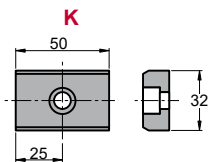
Order: Model (W) (α)

ASGN 0300 60

Standard order example according to catalog sheet.
Add options applying options table contents.

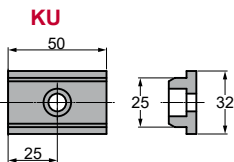
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 60-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

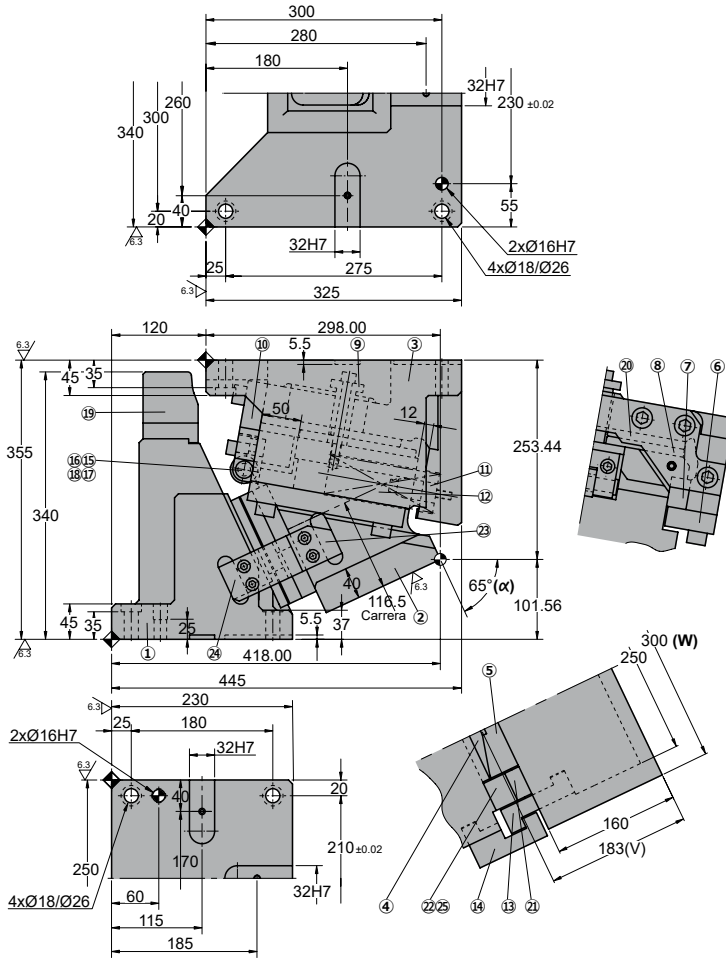
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

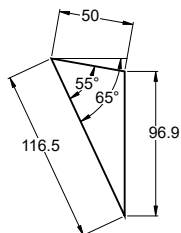
Aerial cam for pierce

AZOL
GAS

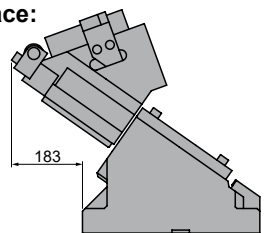
ASGN 0300 65



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
116.5	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	202.9	ASGN	0300	65



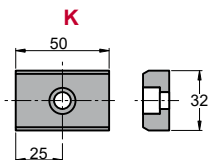
Order: Model (W) (α)

ASGN 0300 65

Standard order example according to catalog sheet.
Add options applying options table contents.

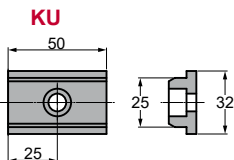
OPTIONS

K - KU



6 x M8x15

KEY



Order Options: Model (W) (α)-Option



ASGN 0300 65-K



SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ⑳ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300



Aerial cam for pierce

General information



ASLT 0500
ASLT 0600



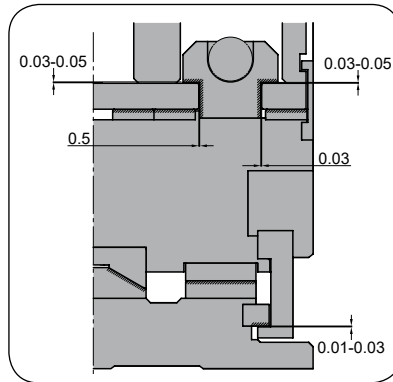
ASLT 0700
ASLT 0800



ASLT 0900
ASLT 1000

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Slider easy desassembly from the rear.
- Gas spring equipped unit.

Adjustment clearances



- ASLT 0500**
- ASLT 0600**
- ASLT 0700**
- ASLT 0800**
- ASLT 0900**
- ASLT 1000**

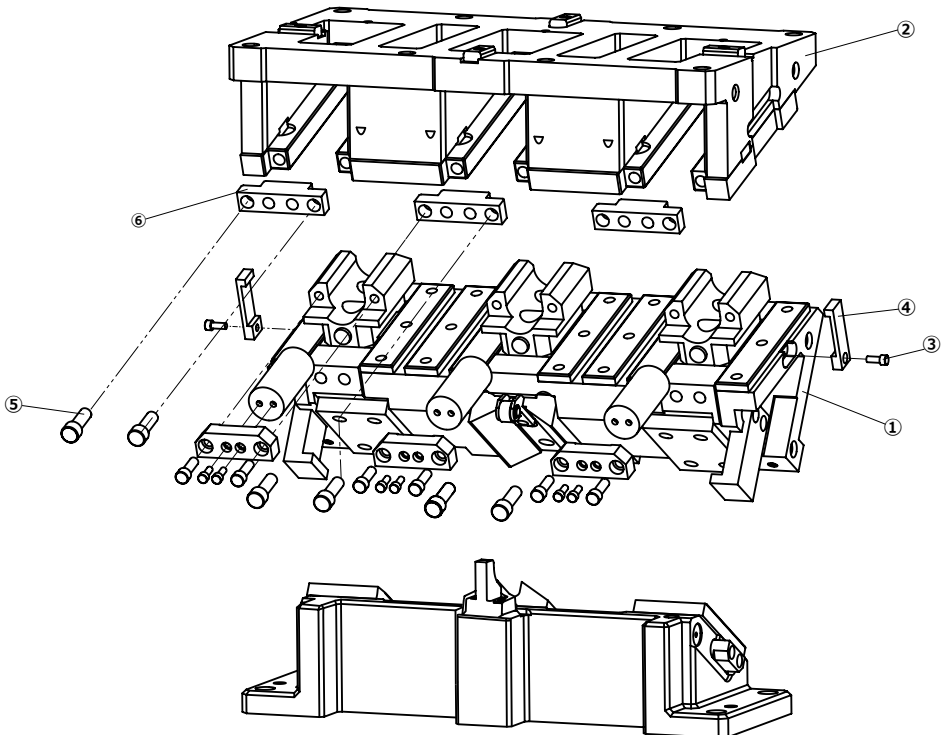
Assembling and disassembling

Disassembling process

- Unscrew ③ pieces and remove extraction plate ④.
- Unscrews ⑤ pieces and remove the stopper plate ⑥.
- Unmount cam slider ① from cam support ②.

Assembling process

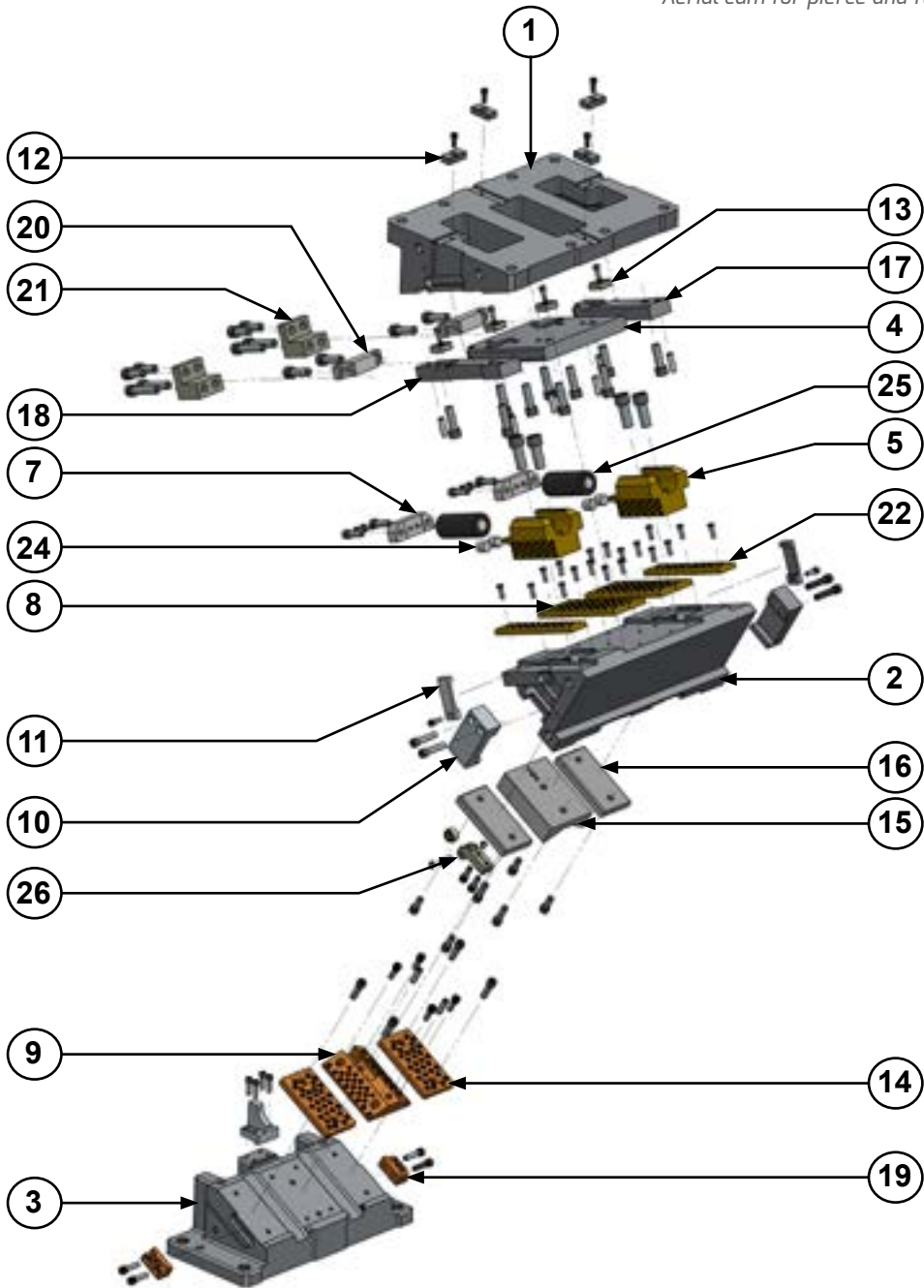
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.





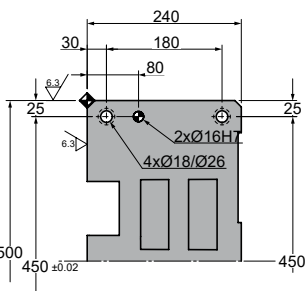
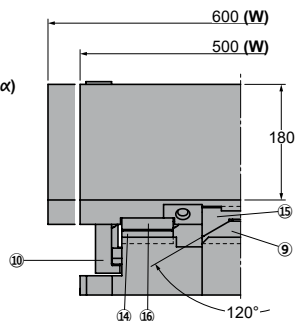
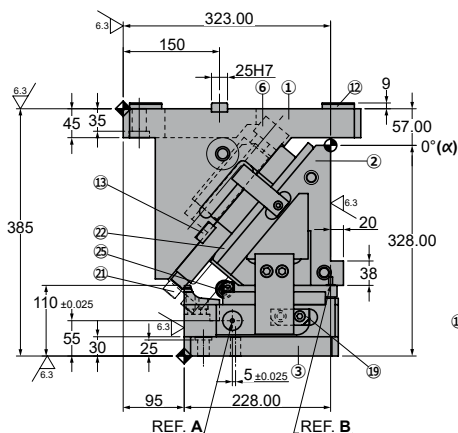
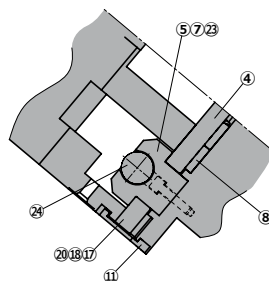
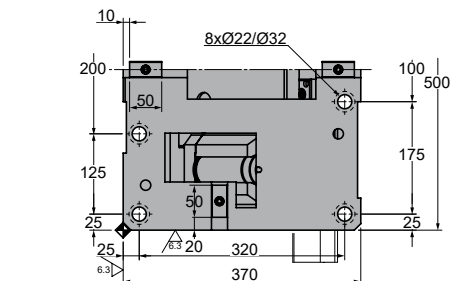
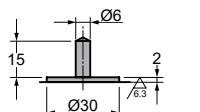
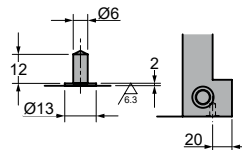
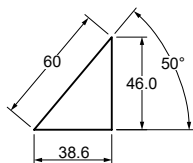
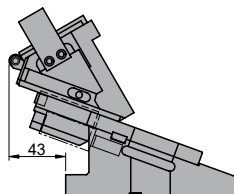
ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange



ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

AZOL
GAS **ASLT 0500 00**
ASLT 0600 00**A MEASUREMENT REFERENCE****B MEASUREMENT REFERENCE****◦Cam diagram:****◦Desassembling space:**

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
38.6	313.6 (31.9)	---	18682.0 (1906.3)	265.6	ASLT	0500	00
				272.4		0600	



Order: Model (W) (α)

ASLT 0500 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

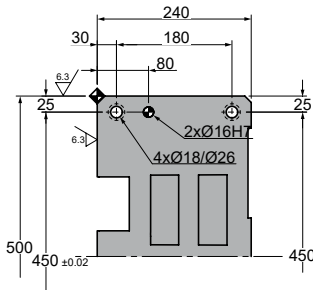
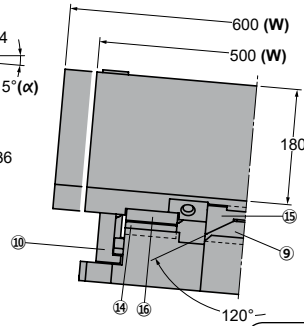
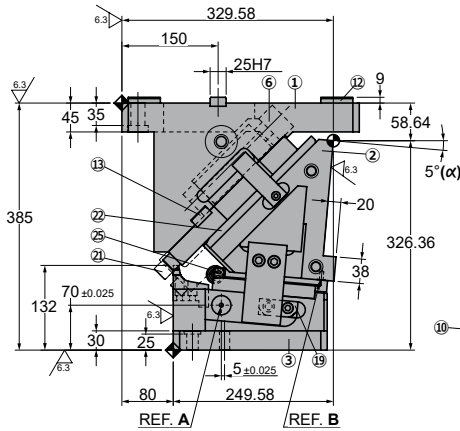
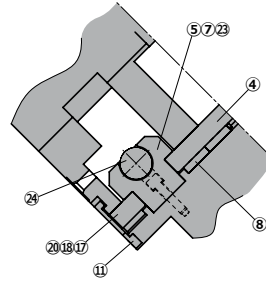
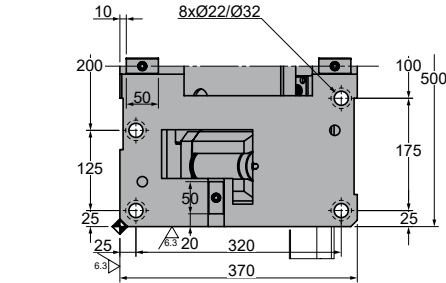
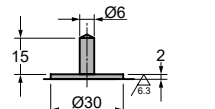
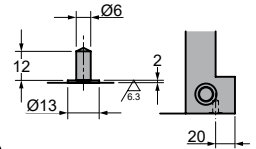
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

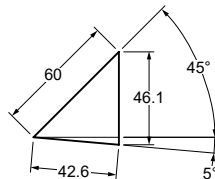
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

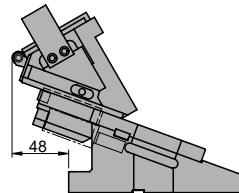
Aerial cam for pierce and flange

AZOL
GAS **ASLT 0500 05**
ASLT 0600 05**A MEASUREMENT REFERENCE****B MEASUREMENT REFERENCE**

◦Cam diagram:



◦Desassembling space:



ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.6	313.6 (31.9)	---	18682.0 (1906.3)	262.4	ASLT	0500	05
				269.2		0600	



Order: Model (W) (α)

ASLT 0500 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

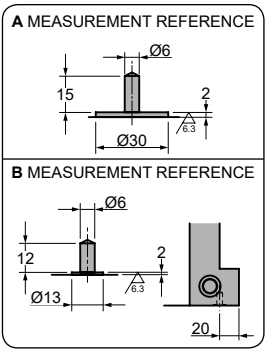
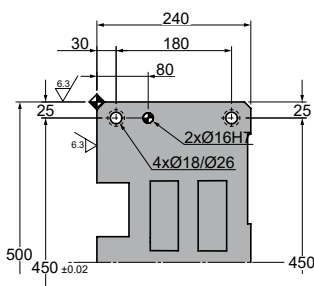
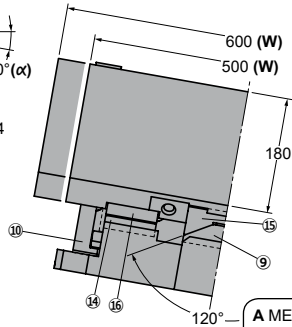
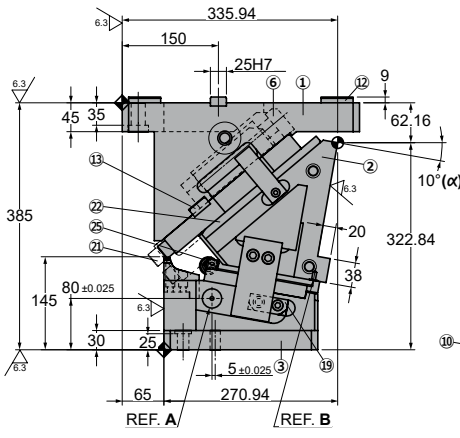
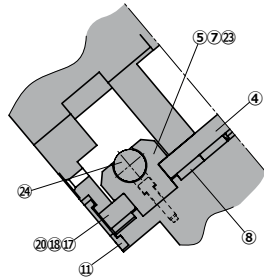
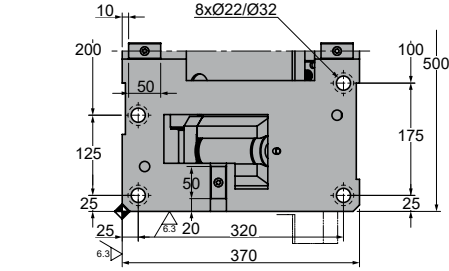
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

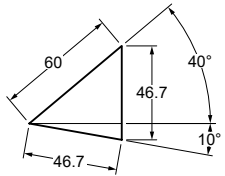


Aerial cam for pierce and flange

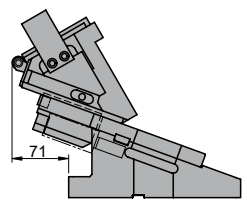
ASLT 0500 10
ASLT 0600 10



◦Cam diagram:



◦Desassembling space:





ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.7	313.6 (31.9)	---	18682.0 (1906.3)	261.0	ASLT	0500	10
				267.9		0600	



Order: Model (W) (α)

ASLT 0500 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

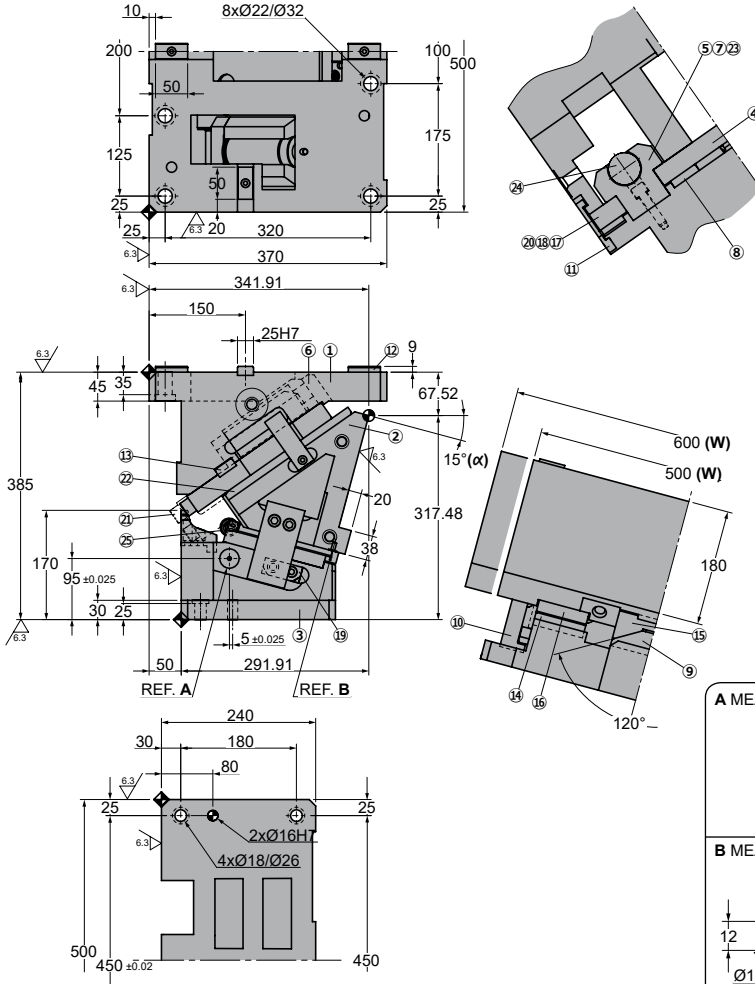
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

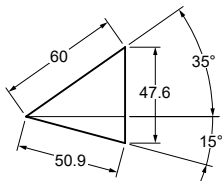


Aerial cam for pierce and flange

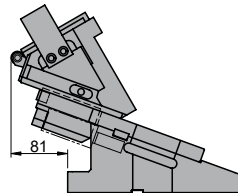
ASLT 0500 15
ASLT 0600 15



◦Cam diagram:



◦Desassembling space:



ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
50.9	313.6 (31.9)	---	18682.0 (1906.3)	260.2	ASLT	0500	15
				267.1		0600	



Order: Model (W) (α)

ASLT 0500 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

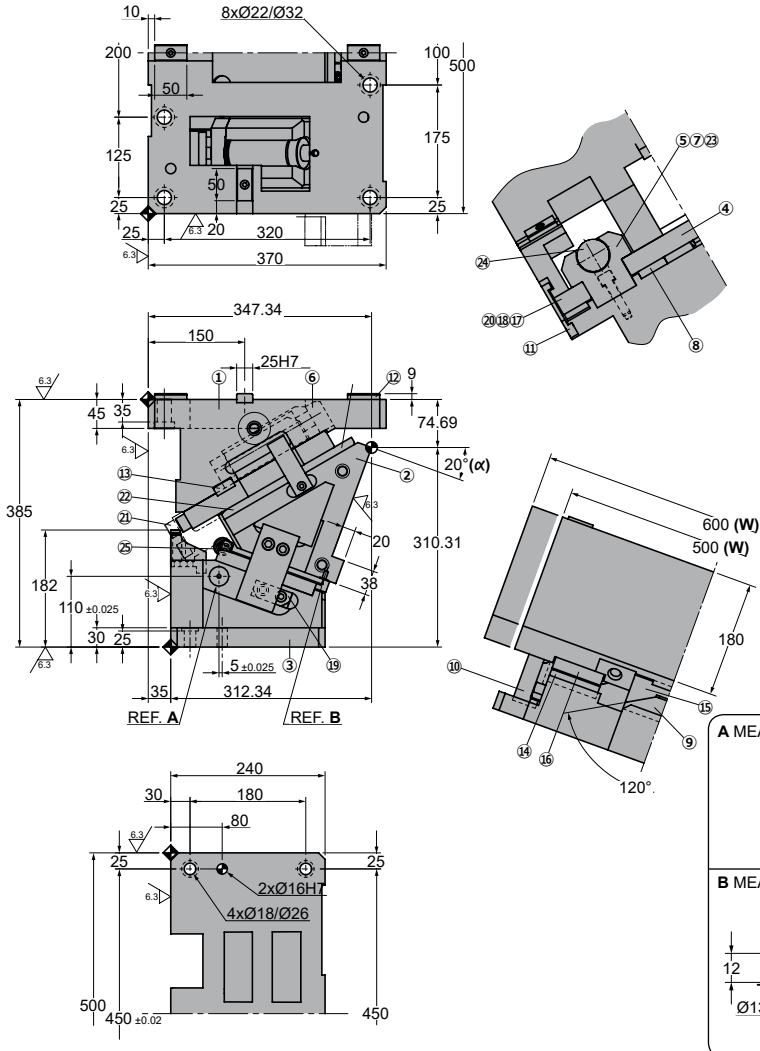
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

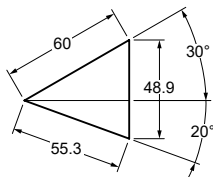
Aerial cam for pierce and flange

**AZOL
GAS** 

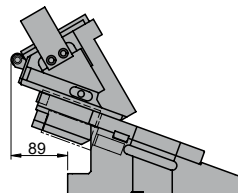
ASLT 0500 20
ASLT 0600 20



◦Cam diagram:



◦Desassembling space:



ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
55.3	313.6 (31.9)	---	18682.0 (1906.3)	260.7	ASLT	0500	20
				267.6		0600	



Order: Model (W) (α)

ASLT 0500 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

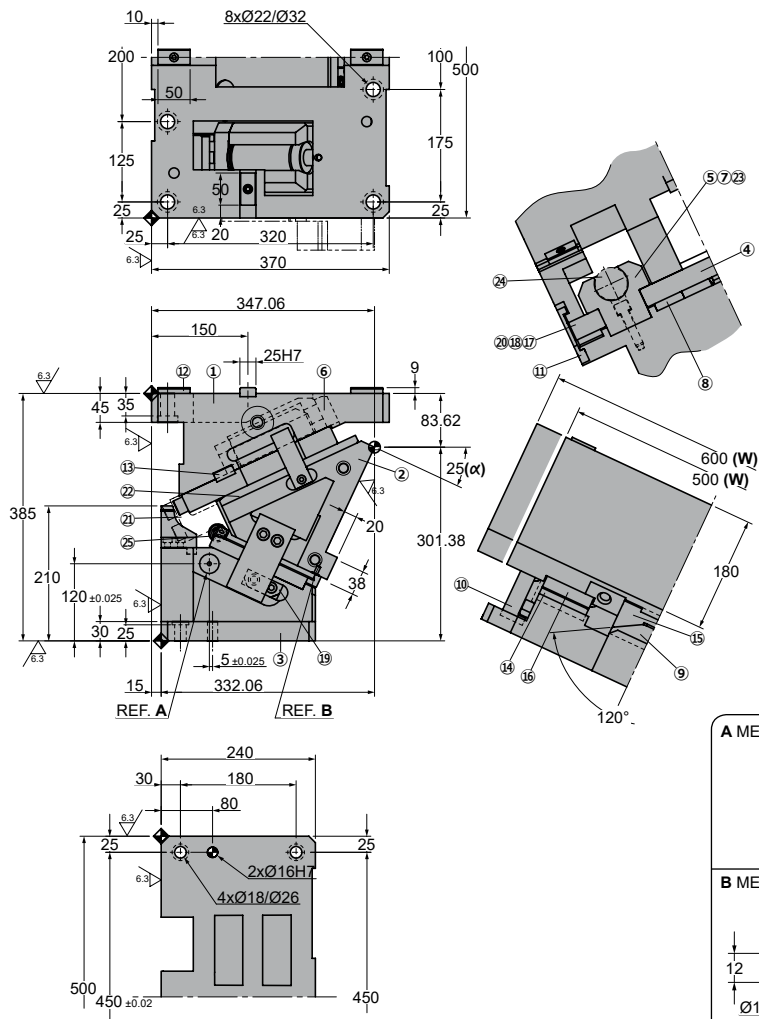
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

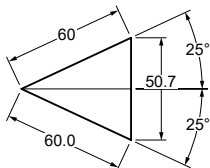
Aerial cam for pierce and flange

AZOL
GAS

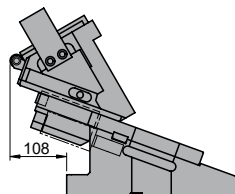
ASLT 0500 25
ASLT 0600 25



◦Cam diagram:



◦Desassembling space:



ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
60.0	313.6 (31.9)	---	18682.0 (1906.3)	260.8	ASLT	0500	25
				267.7		0600	



Order: Model (W) (α)

ASLT 0500 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

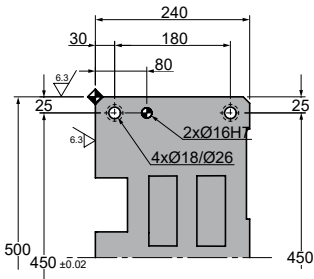
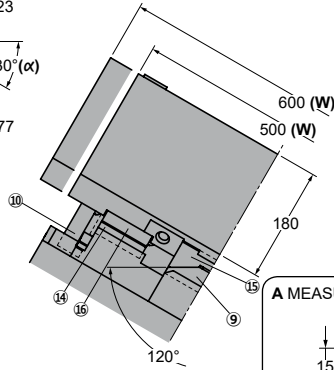
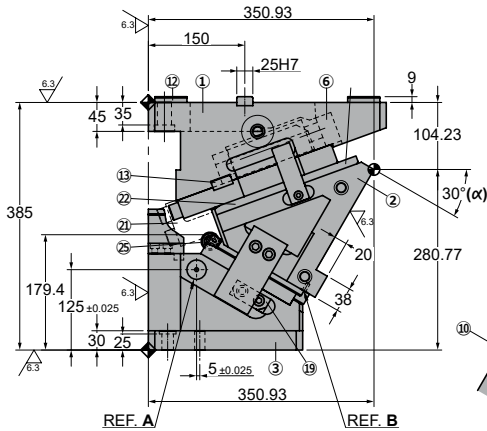
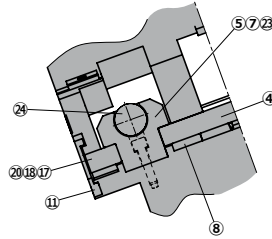
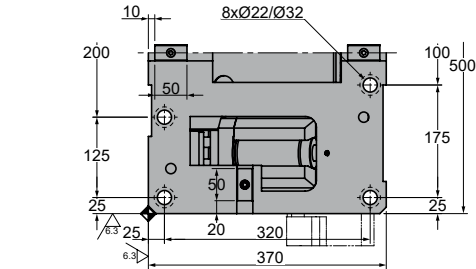
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

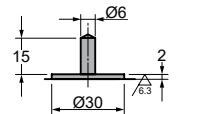


Aerial cam for pierce and flange

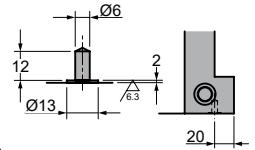
ASLT 0500 30
ASLT 0600 30



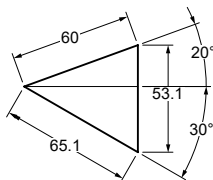
A MEASUREMENT REFERENCE



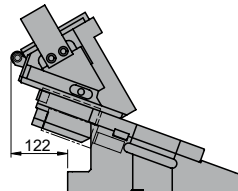
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
65.1	313.6 (31.9)	---	18682.0 (1906.3)	264.4	ASLT	0500	30
				271.3		0600	



Order: Model (W) (α)

ASLT 0500 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

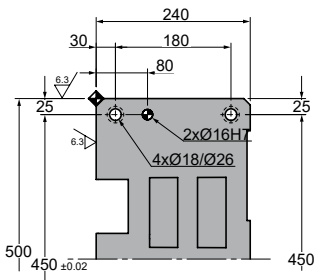
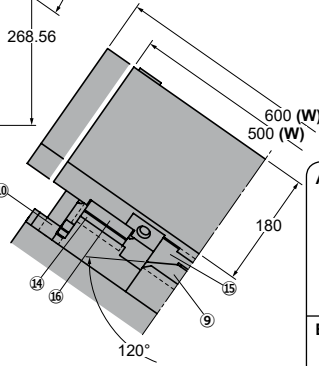
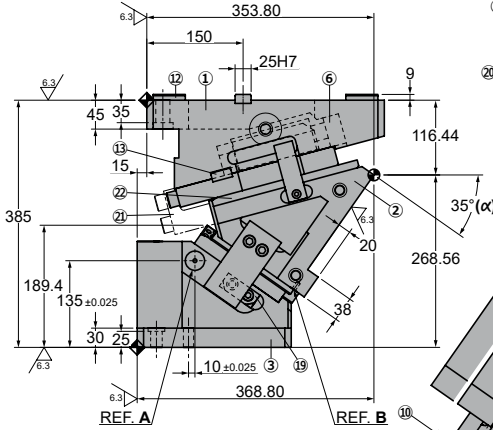
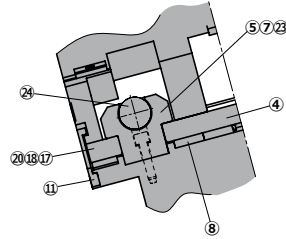
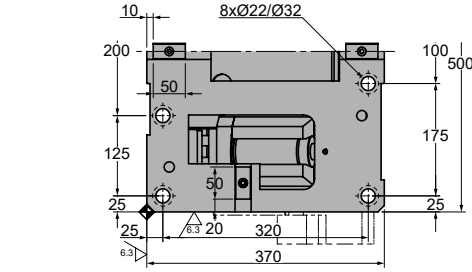
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

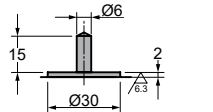


Aerial cam for pierce and flange

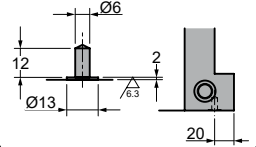
ASLT 0500 35
ASLT 0600 35



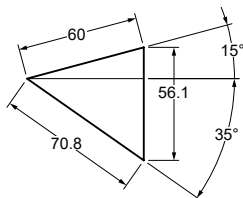
A MEASUREMENT REFERENCE



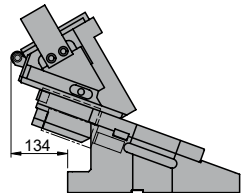
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
70.8	313.6 (31.9)	---	18682.0 (1906.3)	269.9	ASLT	0500	35
				276.7		0600	



Order: Model (W) (α)

ASLT 0500 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

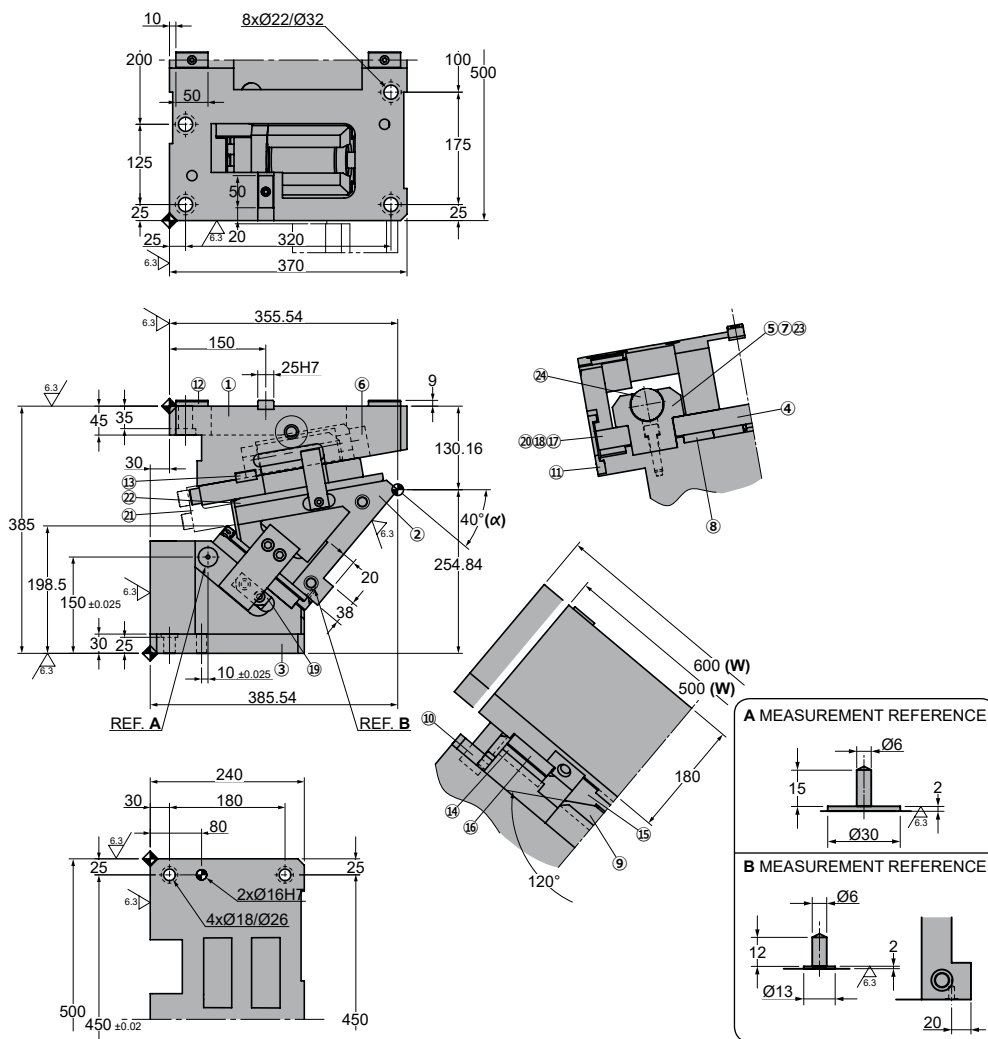
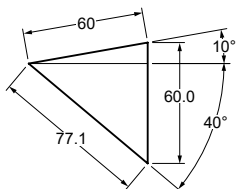
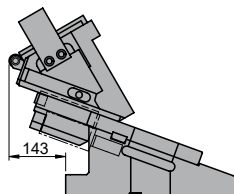
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

AZOL
GAS **ASLT 0500 40**
ASLT 0600 40**◦Cam diagram:****◦Desassembling space:**

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
77.1	313.6 (31.9)	---	18682.0 (1906.3)	274.5	ASLT	0500	40
				281.3		0600	


Order: Model (W) (α)
ASLT 0500 40

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

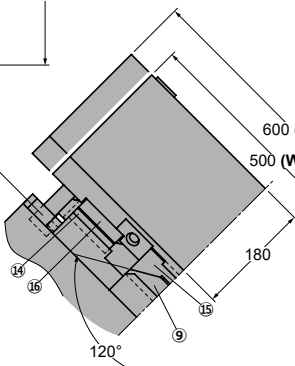
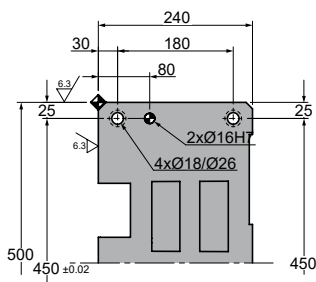
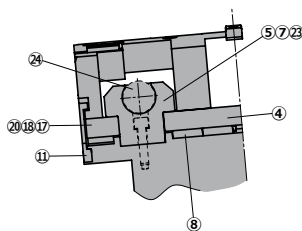
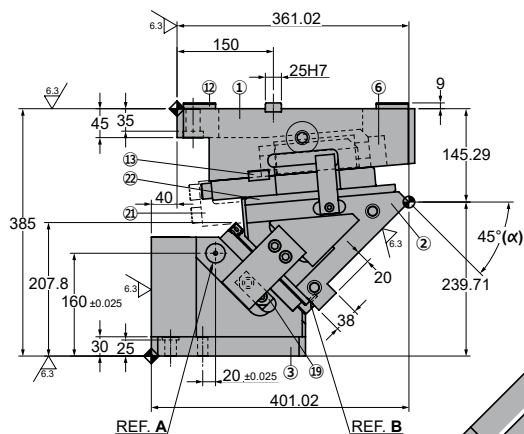
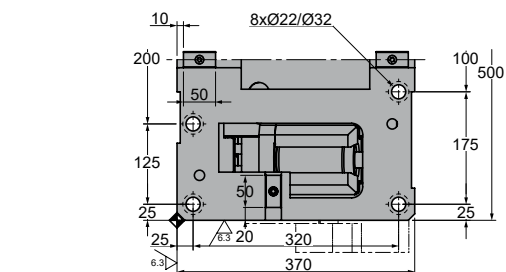
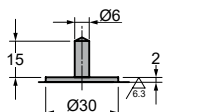
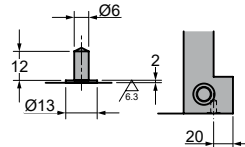
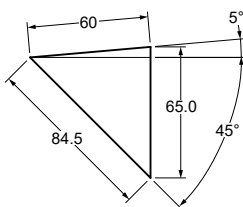
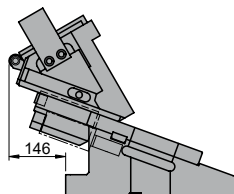
COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

**AZOL
GAS** **ASLT 0500 45****ASLT 0600 45****A MEASUREMENT REFERENCE****B MEASUREMENT REFERENCE****Cam diagram:****Desassembling space:**

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
84.5	313.6 (31.9)	---	18682.0 (1906.3)	281.6	ASLT	0500	45
				288.5		0600	



Order: Model (W) (α)

ASLT 0500 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

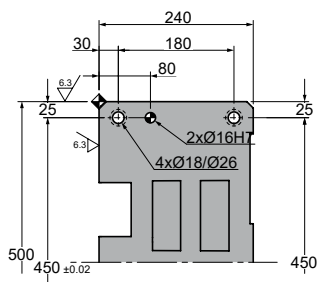
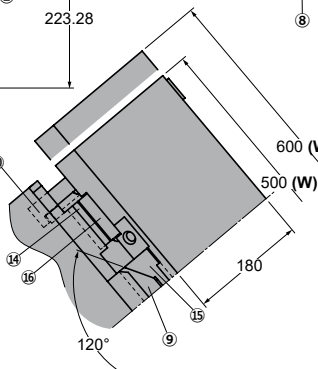
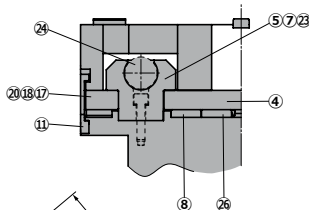
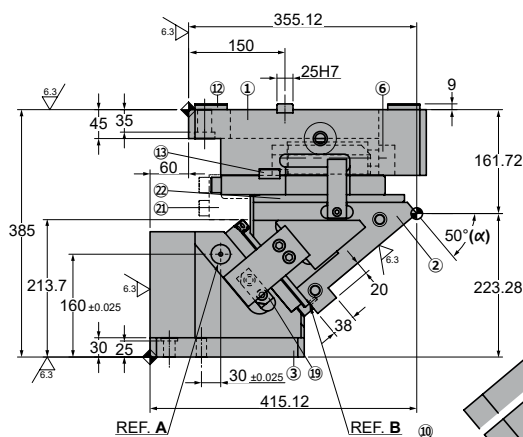
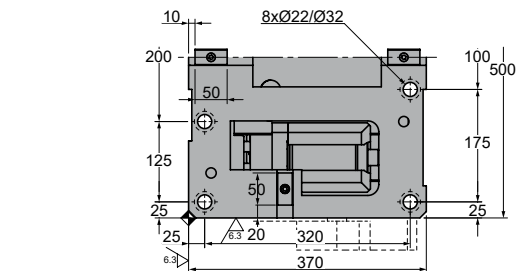
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063

ASLT 0500 - ASLT 0600

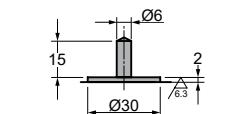


Aerial cam for pierce and flange

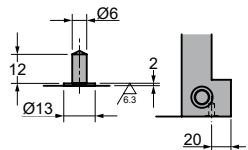
ASLT 0500 50
ASLT 0600 50



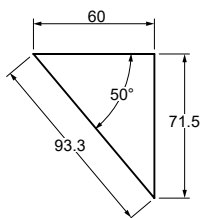
A MEASUREMENT REFERENCE



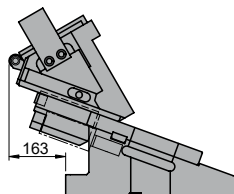
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:





ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
93.3	313.6 (31.9)	---	18682.0 (1906.3)	282.0	ASLT	0500	50
				288.9		0600	



Order: Model (W) (α)

ASLT 0500 50

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

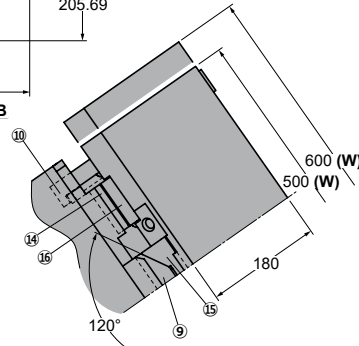
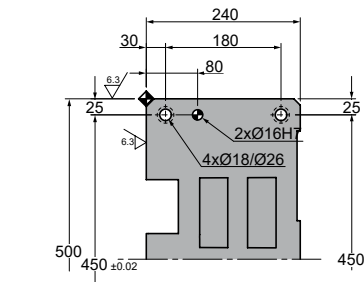
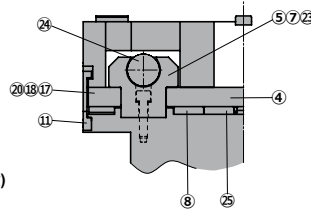
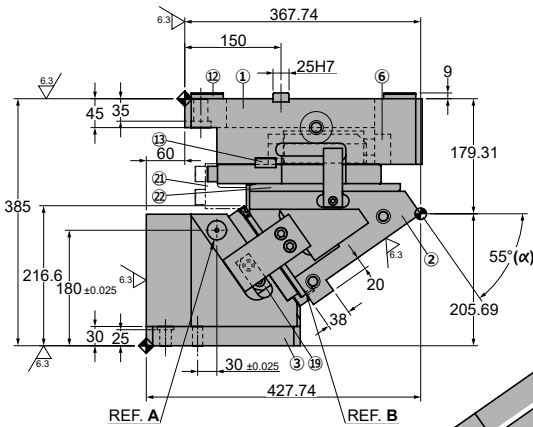
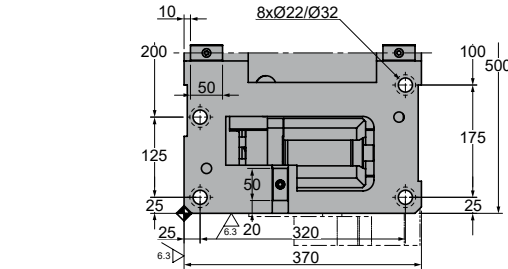
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063

ASLT 0500 - ASLT 0600

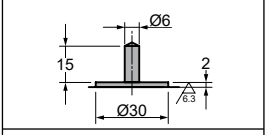


Aerial cam for pierce and flange

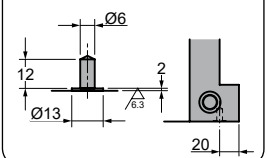
ASLT 0500 55
ASLT 0600 55



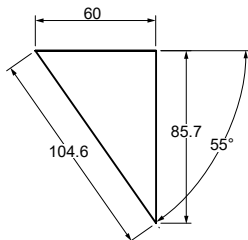
A MEASUREMENT REFERENCE



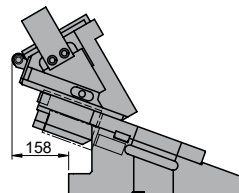
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
104.6	313.6 (31.9)	---	18682.0 (1906.3)	291.5	ASLT	0500	55
				299.2		0600	



Order: Model (W) (α)

ASLT 0500 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

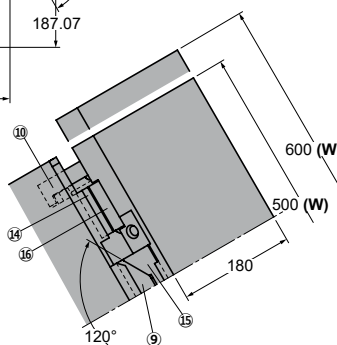
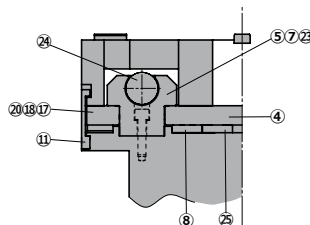
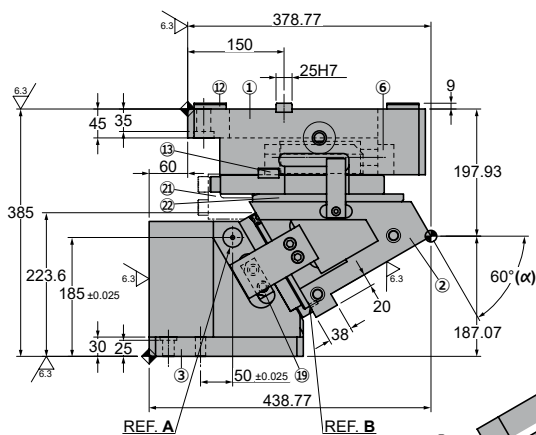
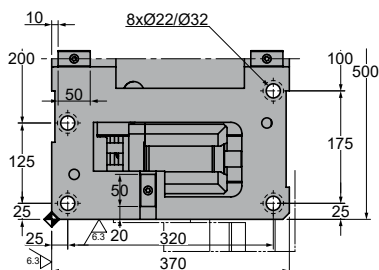
- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

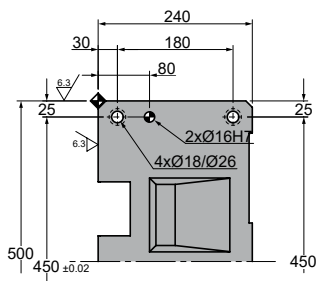
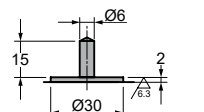
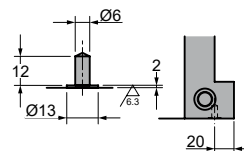
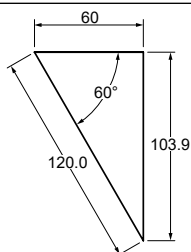
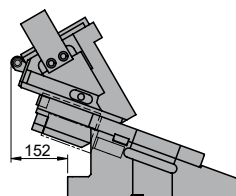
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	2	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Slider Plate 4	2	Bronze + G

ASLT 0500 - ASLT 0600

AZOL
GAS
Aerial cam for pierce and flange
ASLT 0500 60
ASLT 0600 60


REF. A REF. B


A MEASUREMENT REFERENCE

B MEASUREMENT REFERENCE

Cam diagram:

Desassembling space:


ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
120.0	313.6 (31.9)	---	18682.0 (1906.3)	300.1	ASLT	0500	60
				308.7		0600	



Order: Model (W) (α)

ASLT 0500 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	2	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 063
㉕	Slider Plate 4	2	Bronze + G

ASLT 0500 - ASLT 0600

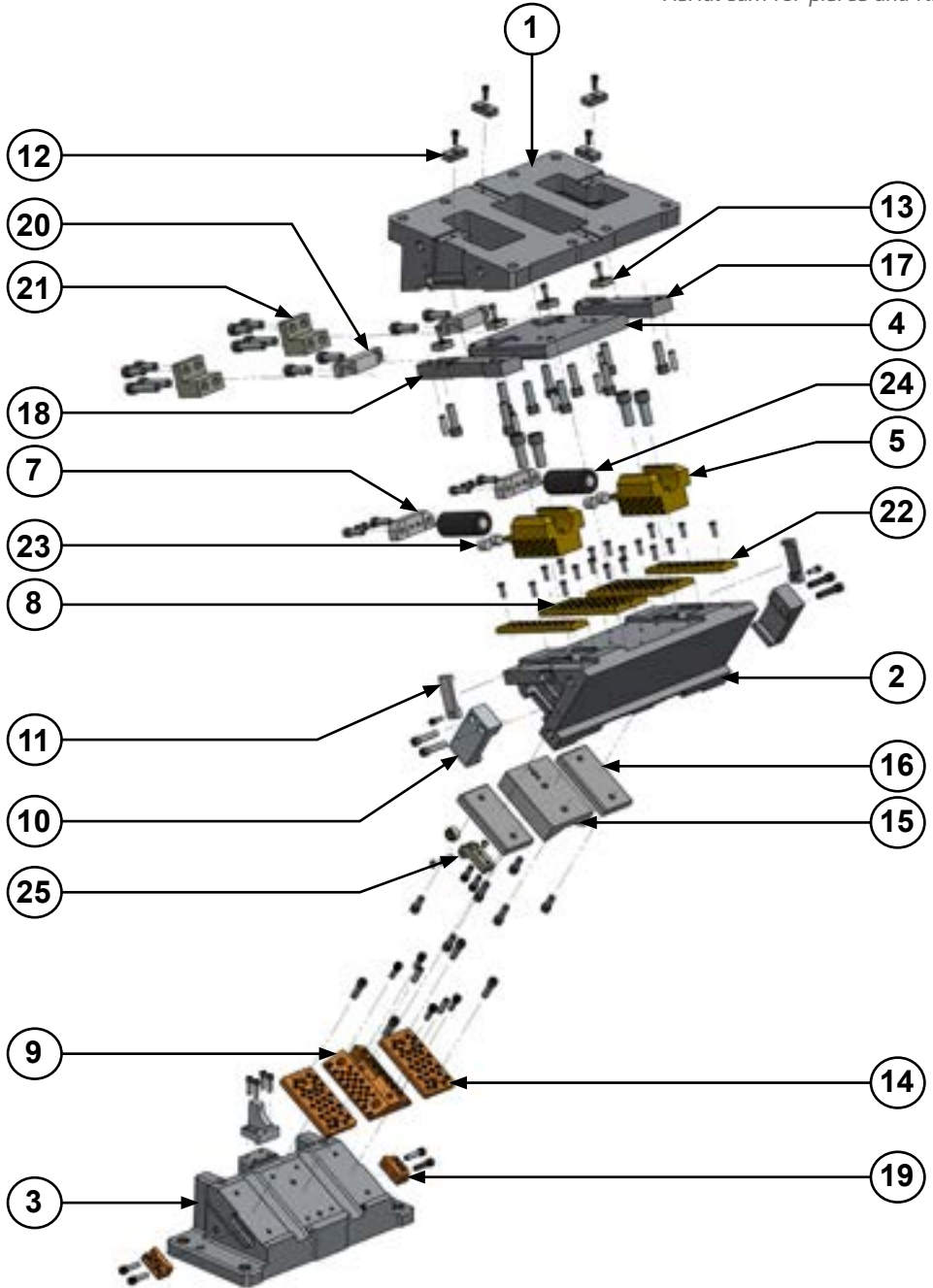


Aerial cam for pierce and flange



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

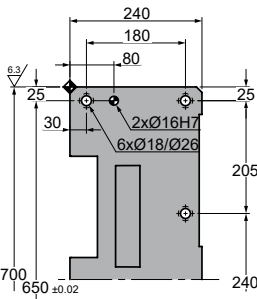
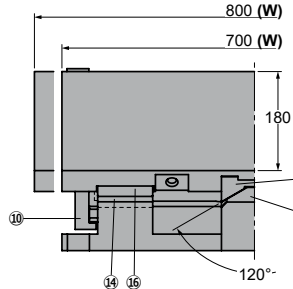
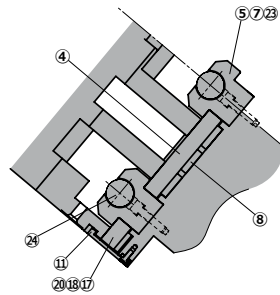
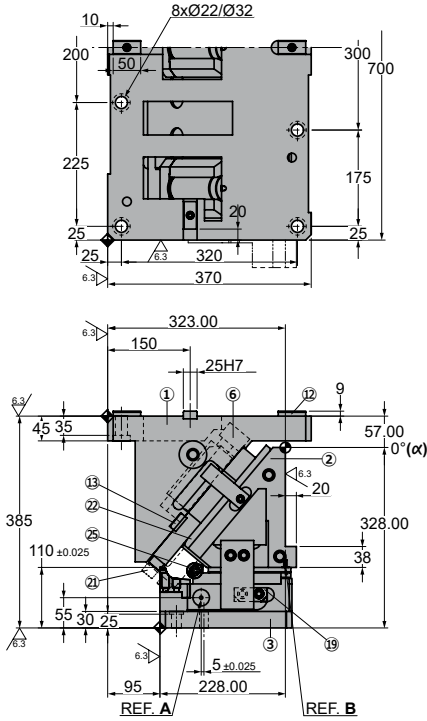


ASLT 0700 - ASLT 0800

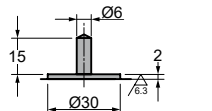


Aerial cam for pierce and flange

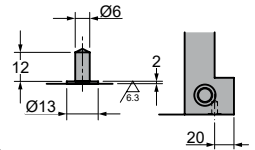
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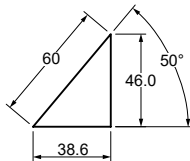
A MEASUREMENT REFERENCE



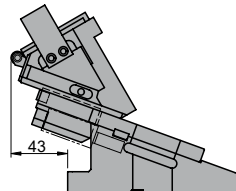
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
38.6	470.4 (47.9)	---	28023.0	362.6	ASLT	0700	00
			(2859.5)	369.4		0800	



Order: Model (W) (α)

ASLT 0700 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

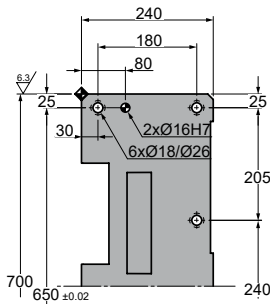
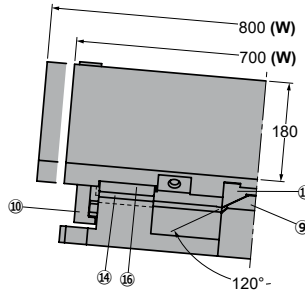
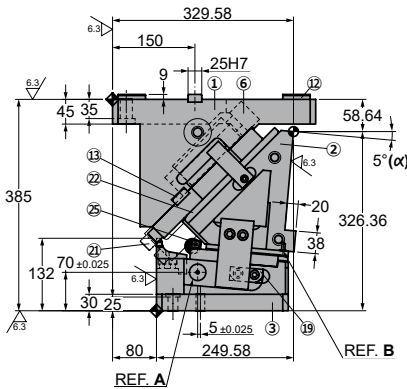
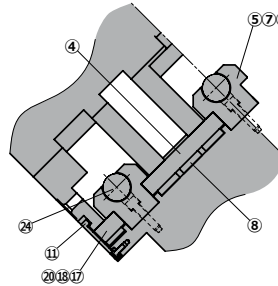
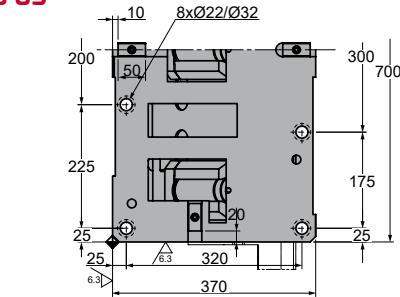
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0700 - ASLT 0800

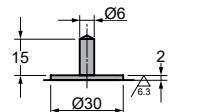


Aerial cam for pierce and flange

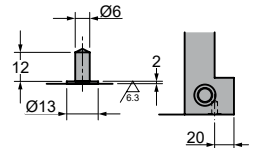
ASLT 0700 05
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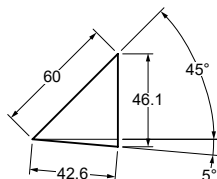
A MEASUREMENT REFERENCE



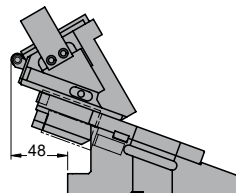
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.6	470.4 (47.9)	---	28023.0 (2859.5)	358.9	ASLT	0700	05
				365.7		0800	



Order: Model (W) (α)

ASLT 0700 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

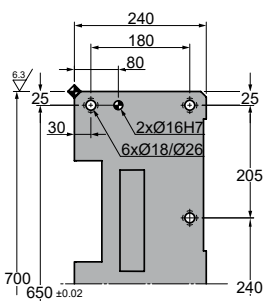
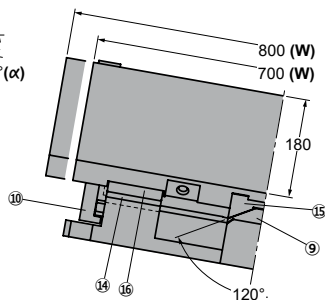
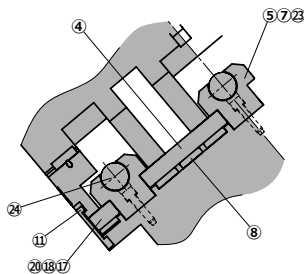
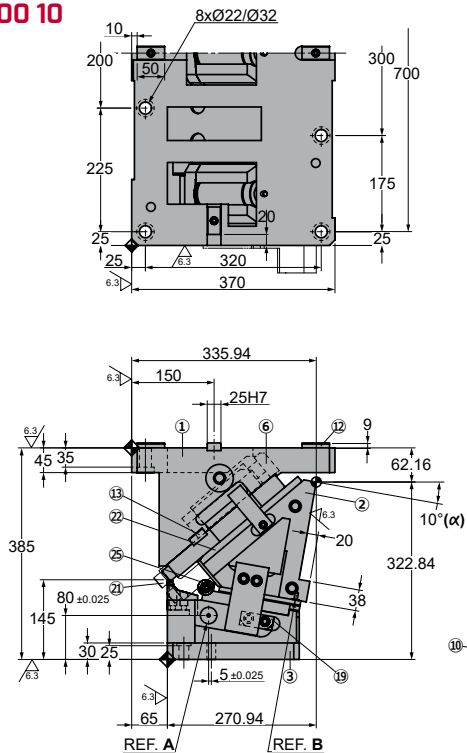
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0700 - ASLT 0800

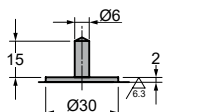
Aerial cam for pierce and flange

AZOL
GAS

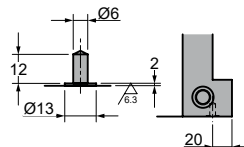
ASLT 0700 10
ASLT 0800 10



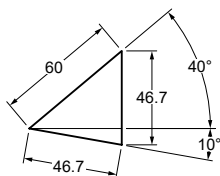
A MEASUREMENT REFERENCE



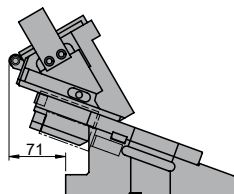
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.7	470.4 (47.9)	---	28023.0 (2859.5)	357.2	ASLT	0700	10
				364.0		0800	



Order: Model (W) (α)

ASLT 0700 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

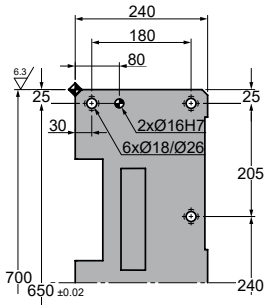
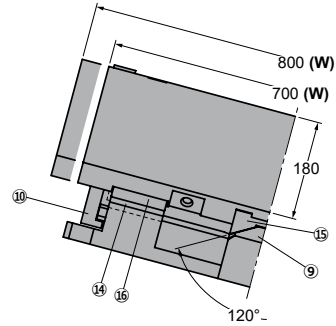
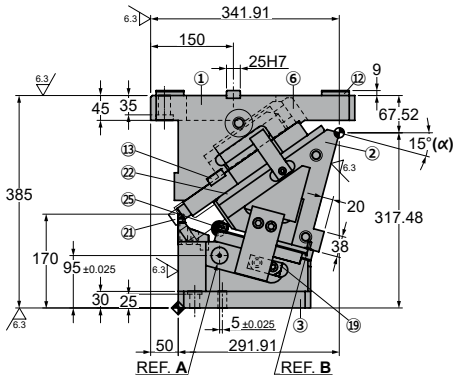
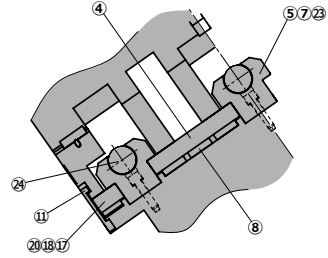
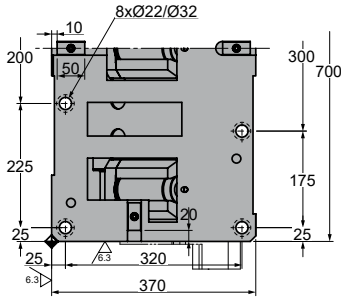
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0700 - ASLT 0800

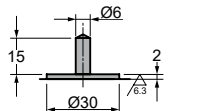
Aerial cam for pierce and flange

**AZOL
GAS** 

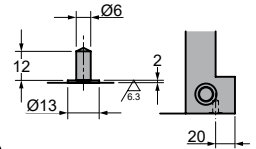
ASLT 0700 15 ASLT 0800 15



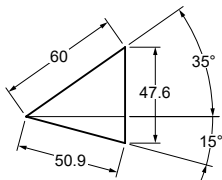
A MEASUREMENT REFERENCE



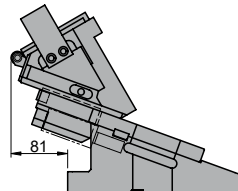
B MEASUREMENT REFERENCE



Cam diagram:



Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
50.9	470.4 (47.9)	---	28023.0 (2859.5)	357.0	ASLT	0700	15
			2859.5	363.8		0800	



Order: Model (W) (α)

ASLT 0700 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

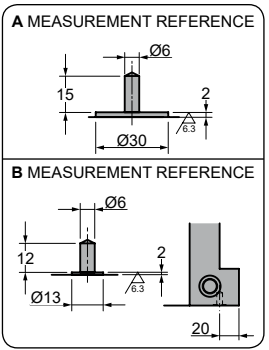
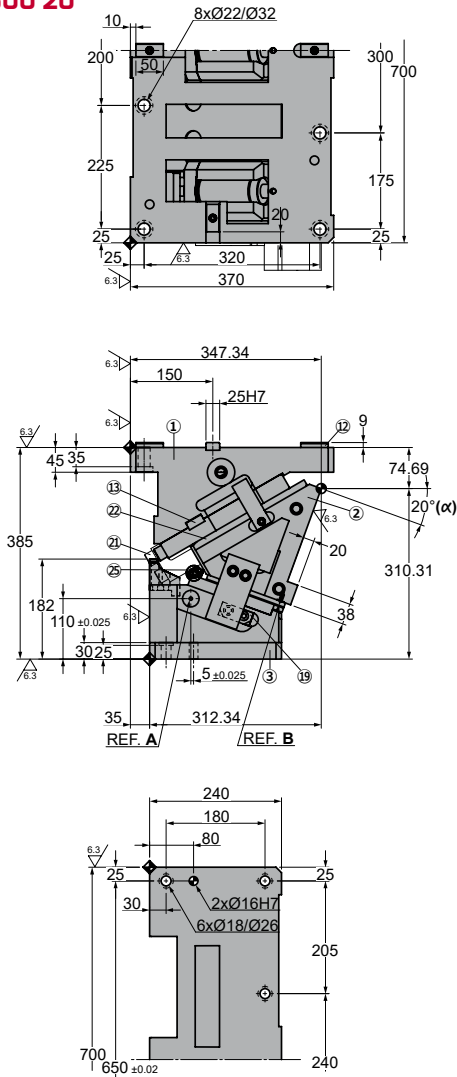
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0700 - ASLT 0800

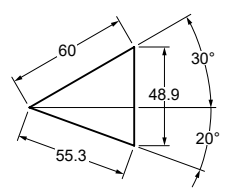


Aerial cam for pierce and flange

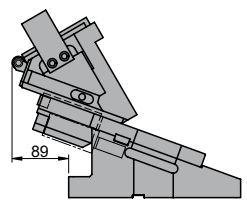
ASLT 0700 20
ASLT 0800 20



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
55.3	470.4 (47.9)	---	28023.0 (2859.5)	356.1	ASLT	0700	20
				363.0		0800	



Order: Model (W) (α)

ASLT 0700 20

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

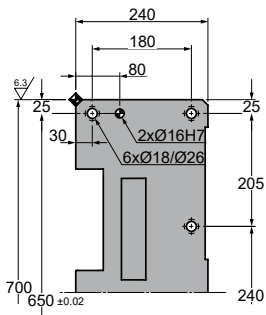
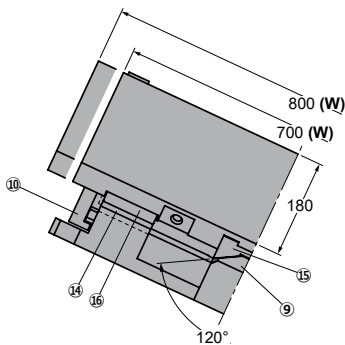
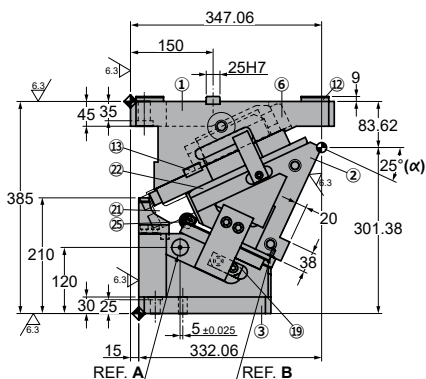
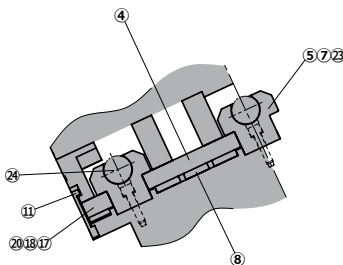
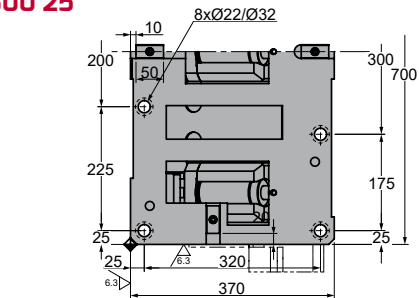
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0700 - ASLT 0800

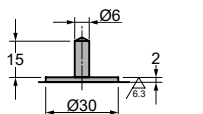


Aerial cam for pierce and flange

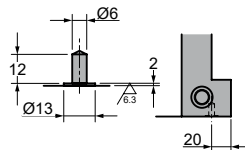
ASLT 0700 25
ASLT 0800 25



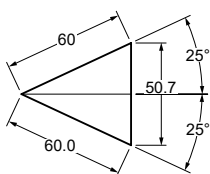
A MEASUREMENT REFERENCE



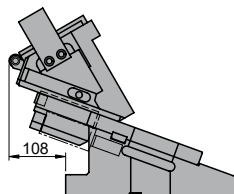
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
60.0	470.4 (47.9)	---	28023.0 (2859.5)	357.3	ASLT	0700	25
				364.2		0800	



Order: Model (W) (α)

ASLT 0700 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

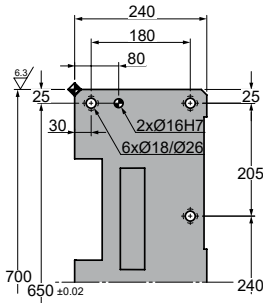
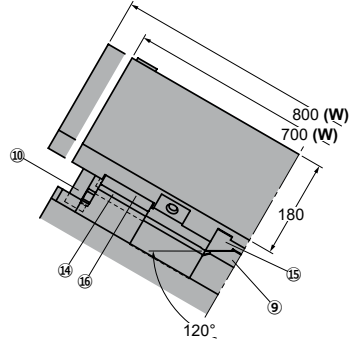
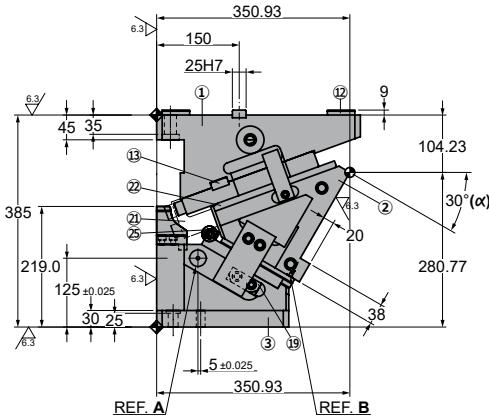
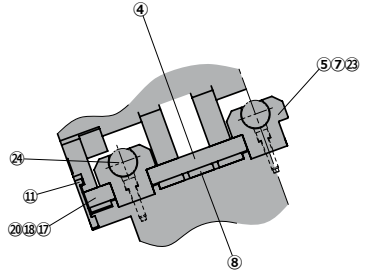
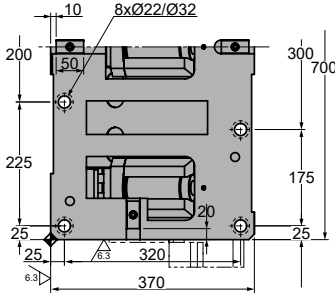
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0700 - ASLT 0800

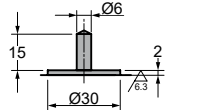


Aerial cam for pierce and flange

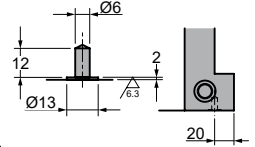
ASLT 0700 30
ASLT 0800 30



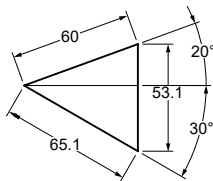
A MEASUREMENT REFERENCE



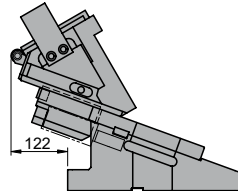
B MEASUREMENT REFERENCE



Cam diagram:



Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
65.1	470.4 (47.9)	---	28023.0 (2859.5)	362.7	ASLT	0700	30
				369.5		0800	



Order: Model (W) (α)

ASLT 0700 30

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

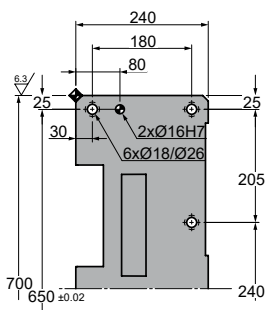
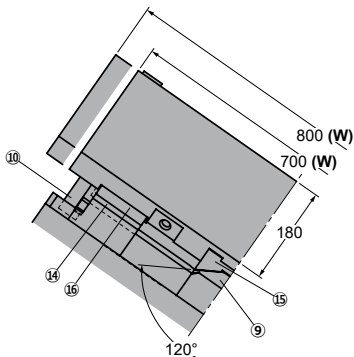
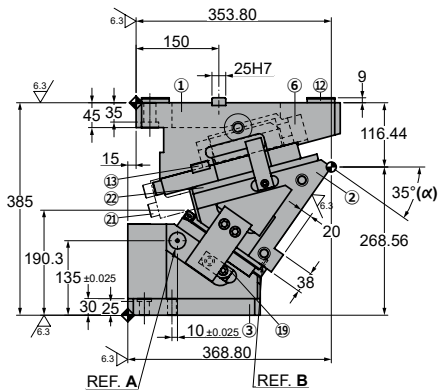
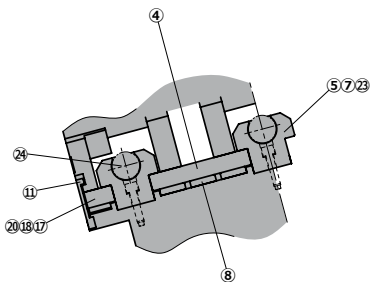
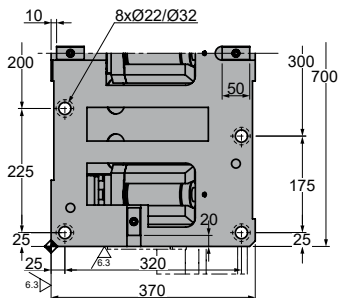
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063
㉕	Roller Block (roller)	1	----

ASLT 0700 - ASLT 0800

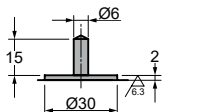


Aerial cam for pierce and flange

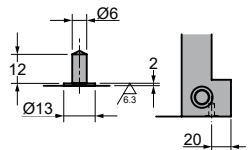
ASLT 0700 35
ASLT 0800 35



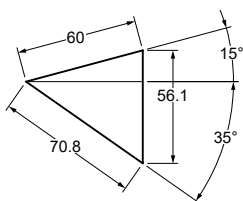
A MEASUREMENT REFERENCE



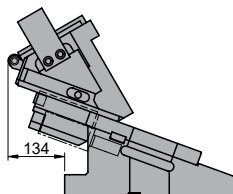
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
70.8	470.4 (47.9)	---	28023.0 (2859.5)	370.6	ASLT	0700	35
				377.4		0800	



Order: Model (W) (α)

ASLT 0700 35

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

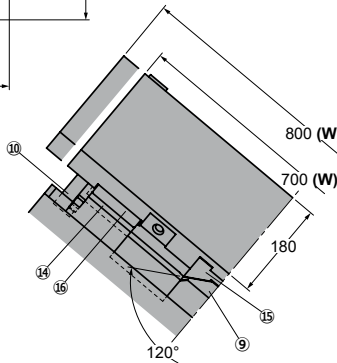
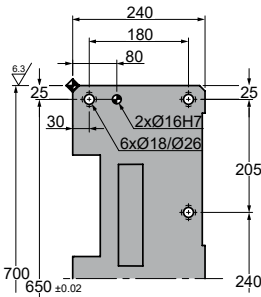
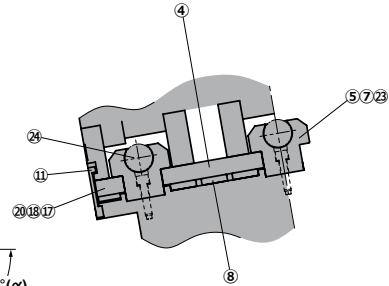
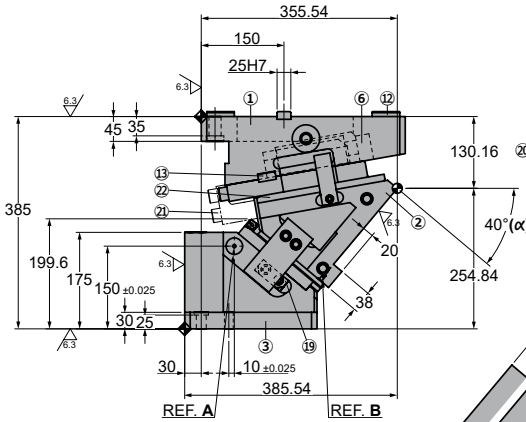
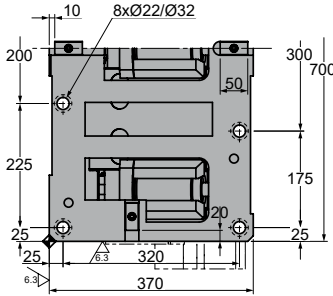
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063

ASLT 0700 - ASLT 0800

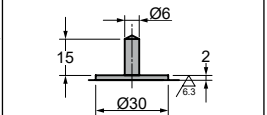


Aerial cam for pierce and flange

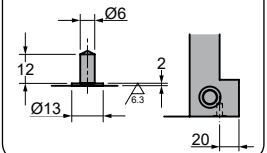
ASLT 0700 40 ASLT 0800 40



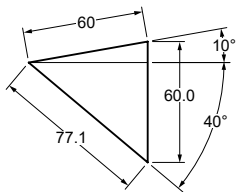
A MEASUREMENT REFERENCE



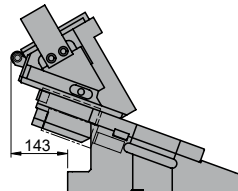
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.1	470.4 (47.9)	---	28023.0 (2859.5)	377.0	ASLT	0700	40
				383.8		0800	



Order: Model (W) (α)

ASLT 0700 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063

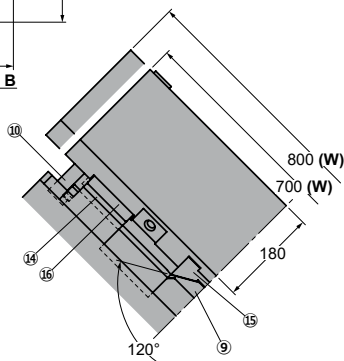
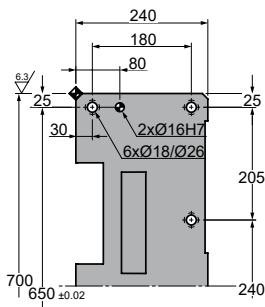
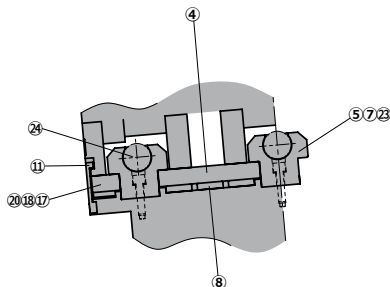
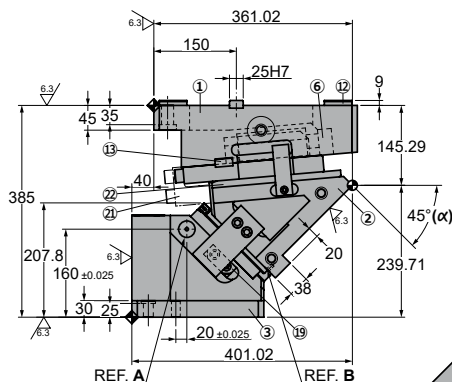
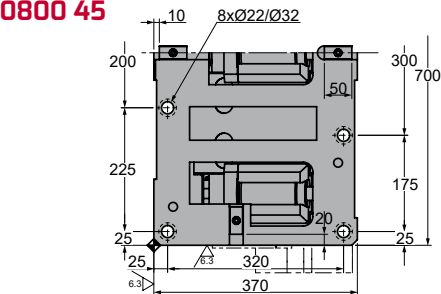
ASLT 0700 - ASLT 0800



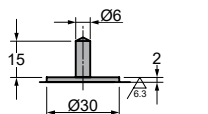
Aerial cam for pierce and flange

ASLT 0700 45

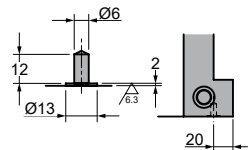
ASLT 0800 45



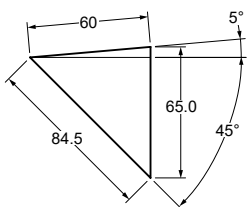
A MEASUREMENT REFERENCE



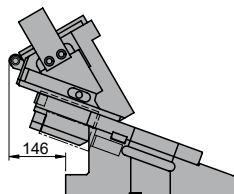
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
84.5	470.4 (47.9)	---	28023.0 (2859.5)	383.6	ASLT	0700	45
				390.4		0800	



Order: Model (W) (α)

ASLT 0700 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

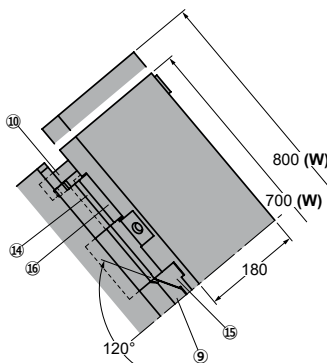
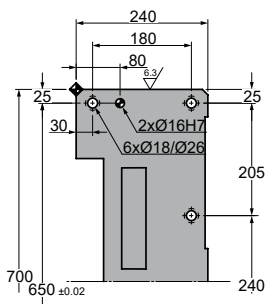
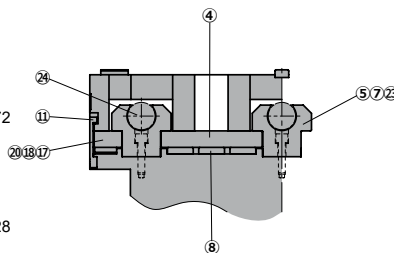
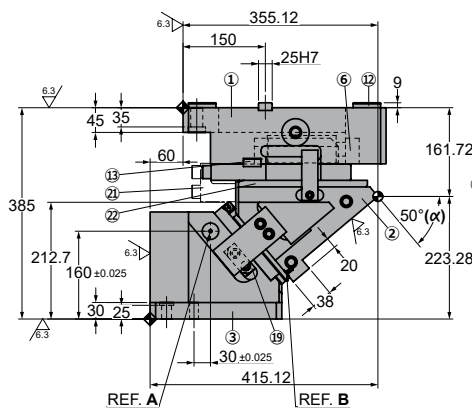
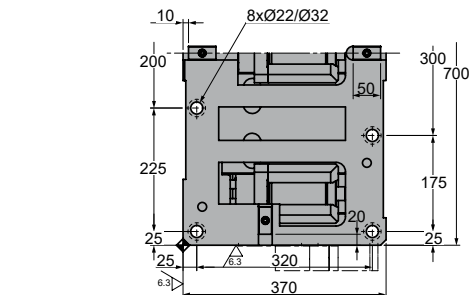
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063

ASLT 0700 - ASLT 0800

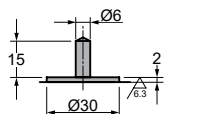


Aerial cam for pierce and flange

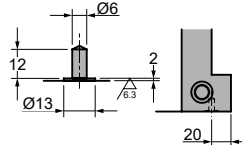
ASLT 0700 50
ASLT 0800 50



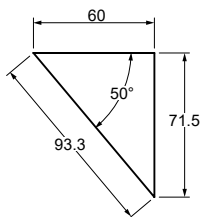
A MEASUREMENT REFERENCE



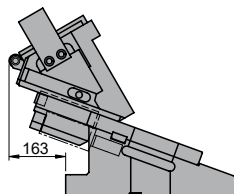
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
93.3	470.4 (47.9)	---	28023.0	386.5	ASLT	0700	50
			(2859.5)	393.4		0800	



Order: Model (W) (α)

ASLT 0700 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

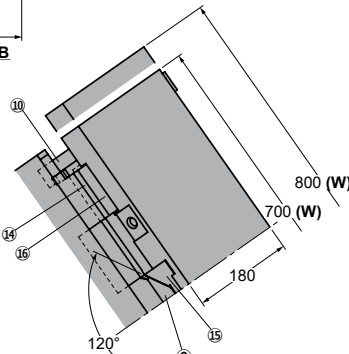
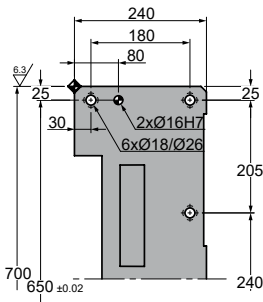
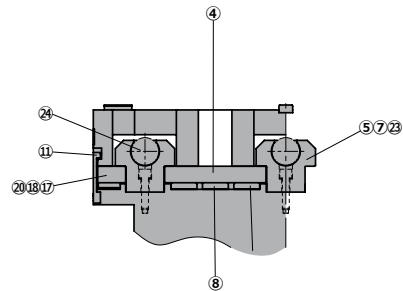
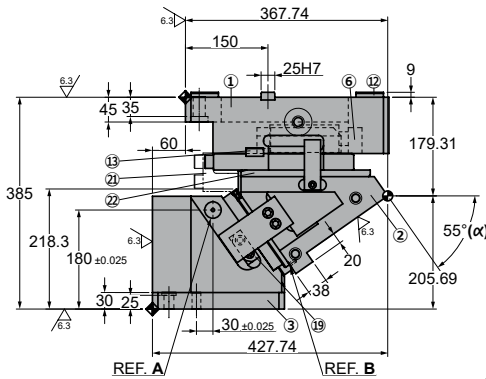
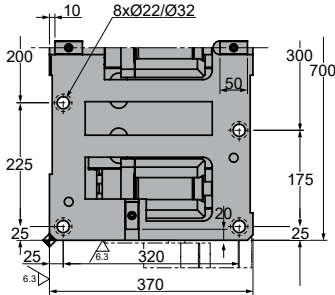
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063

ASLT 0700 - ASLT 0800

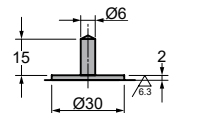
Aerial cam for pierce and flange

AZOL
GAS

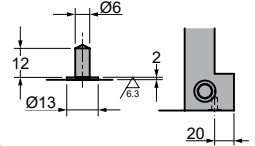
ASLT 0700 55
ASLT 0800 55



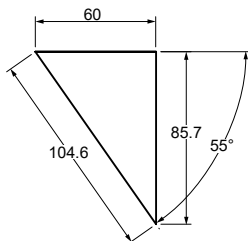
A MEASUREMENT REFERENCE



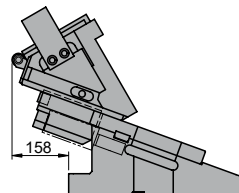
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
104.6	470.4 (47.9)	---	28023.0 (2859.5)	400.8	ASLT	0700	55
			408.3	0800			

Order: Model (W) (α)**ASLT 0700 55**Standard order example according to catalog sheet.
Add options applying options table contents.**OPTIONS**

Order Options: Model (W) (α)-Option**SPARE PARTS:**

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

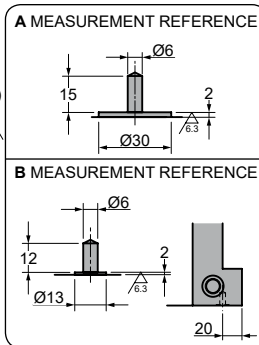
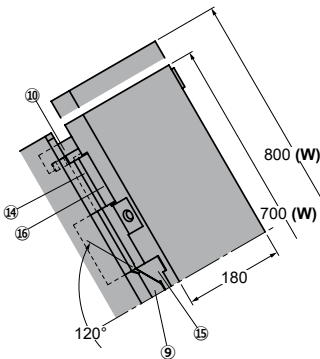
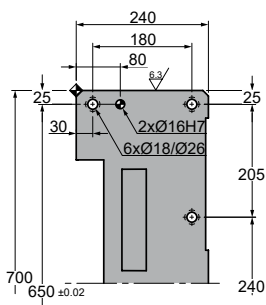
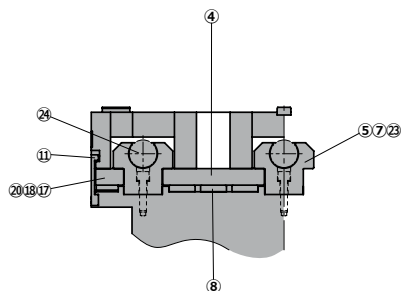
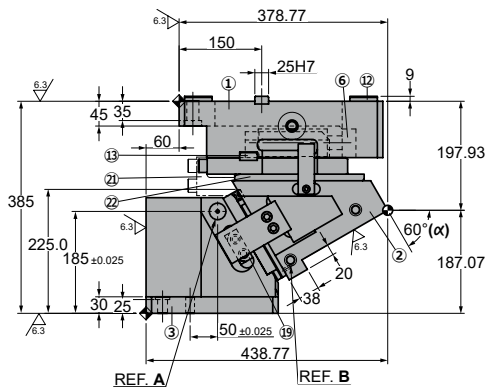
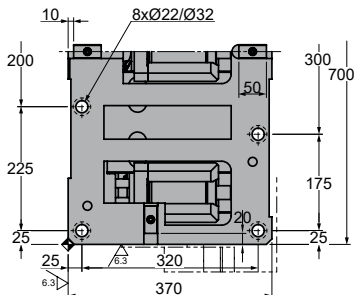
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063

ASLT 0700 - ASLT 0800

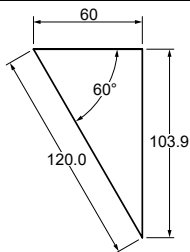


Aerial cam for pierce and flange

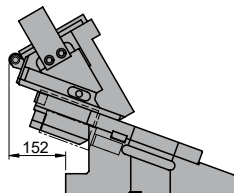
ASLT 0700 60 ASLT 0800 60



◦Cam diagram:



◦Desassembling space:



ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
120.0	470.4 (47.9)	---	28023.0 (2859.5)	412.7	ASLT	0700	60
				421.2		0800	



Order: Model (W) (α)

ASLT 0700 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 063

ASLT 0700 - ASLT 0800

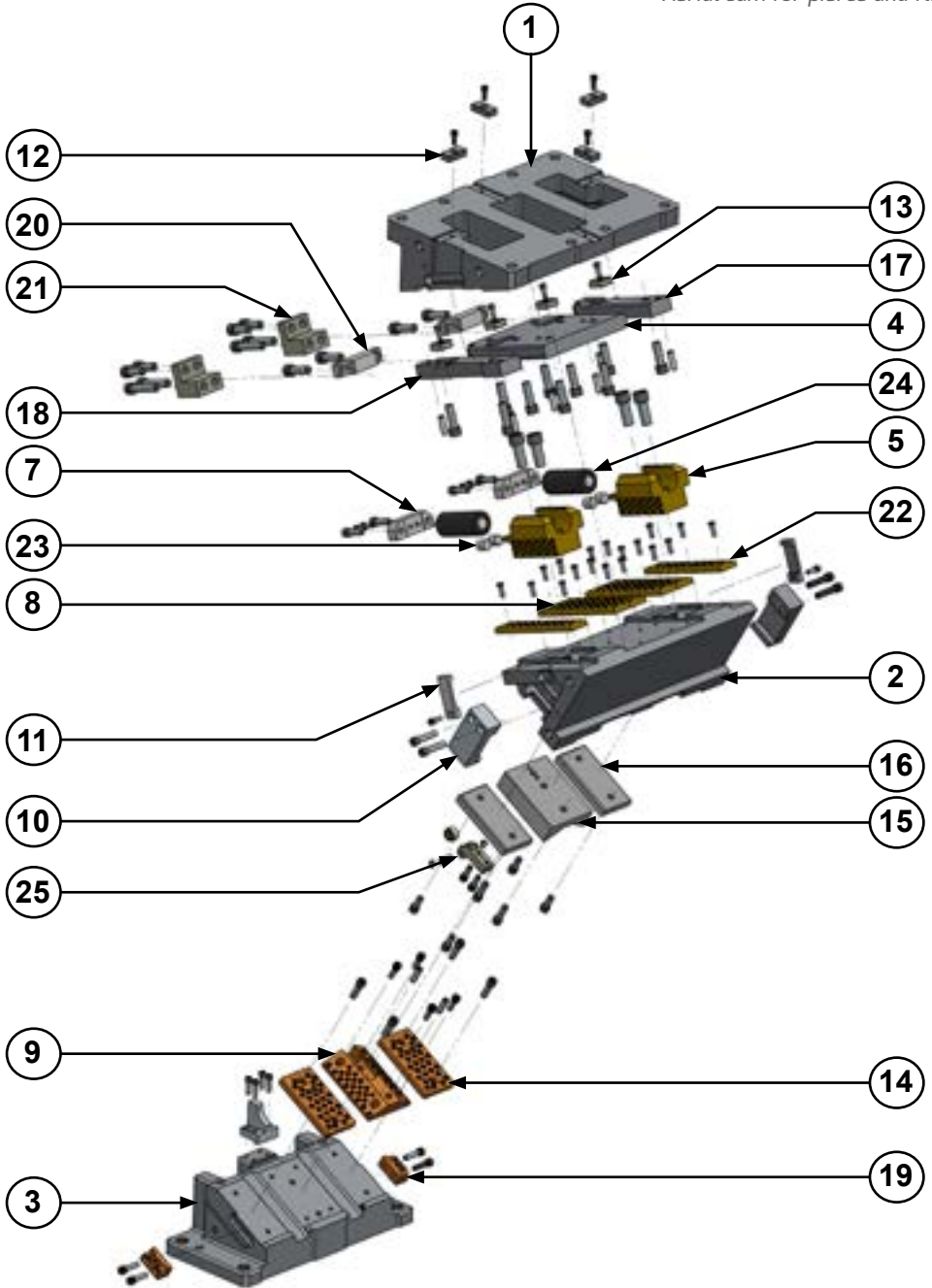


Aerial cam for pierce and flange



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

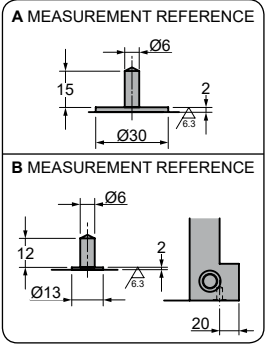
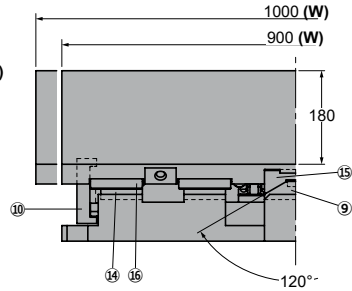
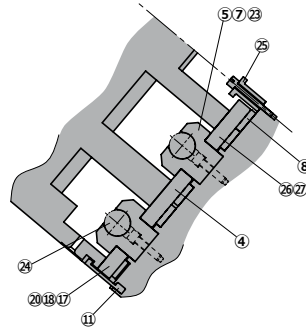
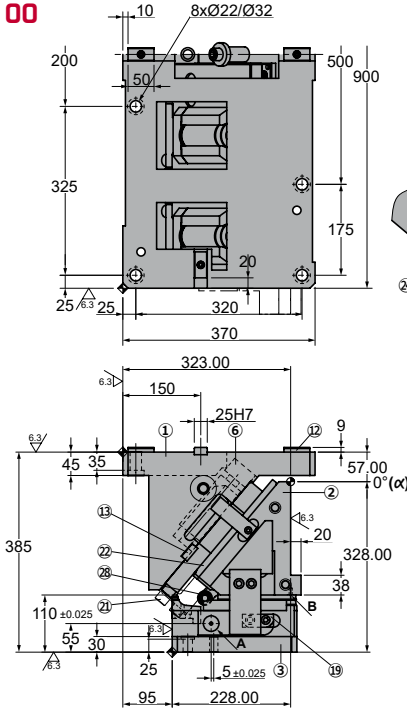


ASLT 0900 - ASLT 1000

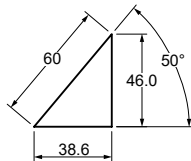


Aerial cam for pierce and flange

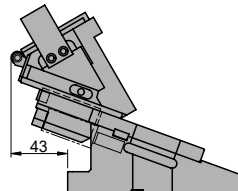
ASLT 0900 00
ASLT 1000 00



◦Cam diagram:



◦Desassembling space:





ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.6	627.2 (63.9)	---	37364.0 (3812.7)	463.3	ASLT	0900	00
			470.2	1000			



Order: Model (W) (α)

ASLT 0900 00

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

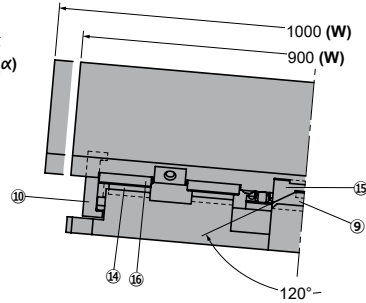
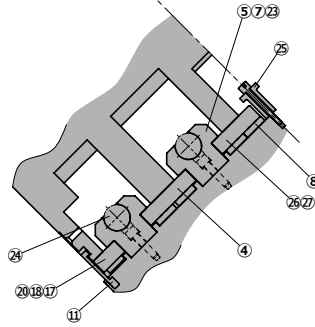
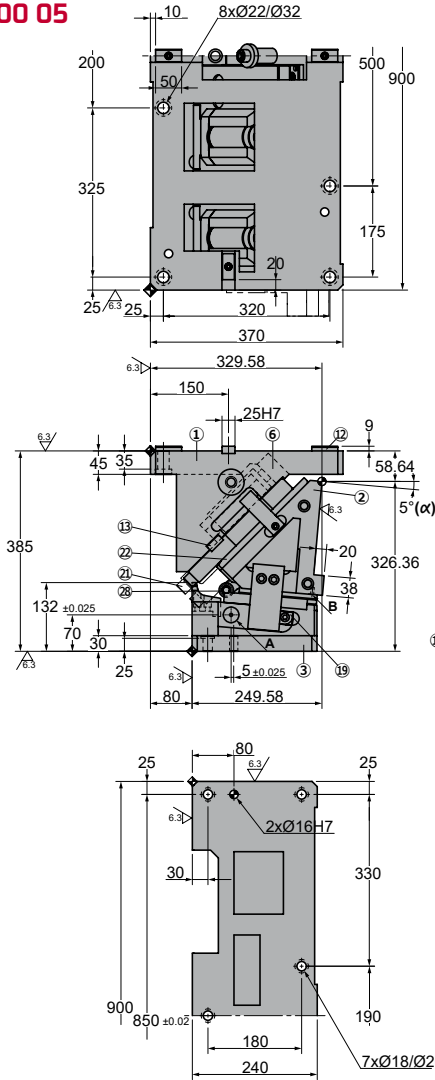
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	---

ASLT 0900 - ASLT 1000

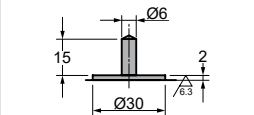


Aerial cam for pierce and flange

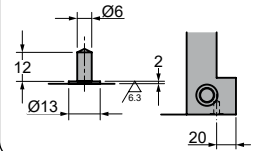
ASLT 0900 05 ASLT 1000 05



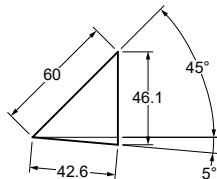
A MEASUREMENT REFERENCE



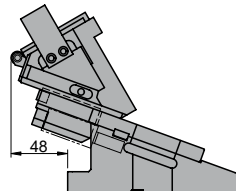
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.6	627.2 (63.9)	---	37364.0 (3812.7)	459.2	ASLT	0900	05
			466.1	1000			



Order: Model (W) (α)

ASLT 0900 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

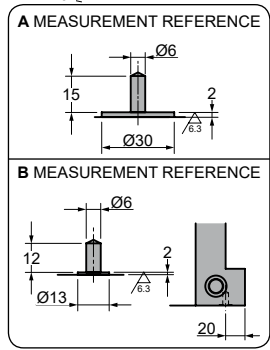
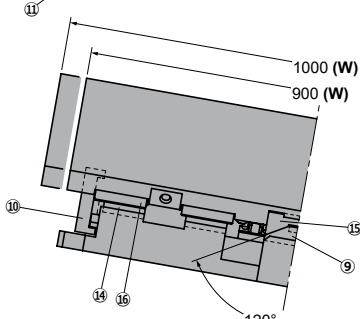
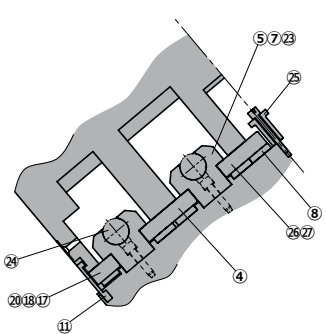
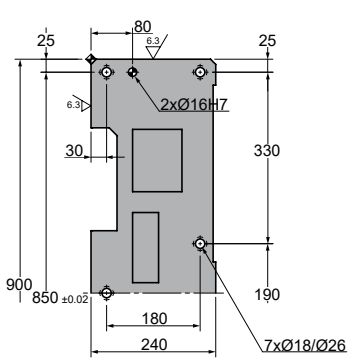
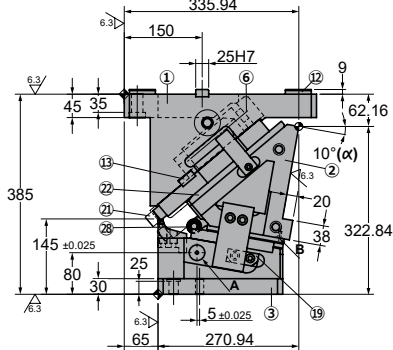
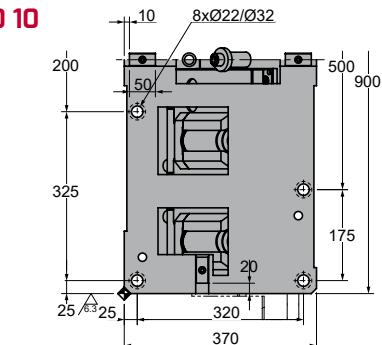
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

ASLT 0900 - ASLT 1000

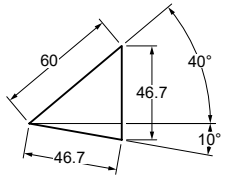


Aerial cam for pierce and flange

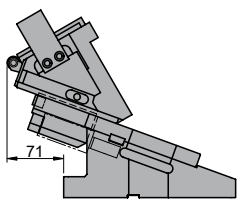
ASLT 0900 10 ASLT 1000 10



◦Cam diagram:



◦Desassembling space:



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
46.7	627.2 (63.9)	---	37364.0 (3812.7)	457.7	ASLT	0900	10
				464.6		1000	



Order: Model (W) (α)

ASLT 0900 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

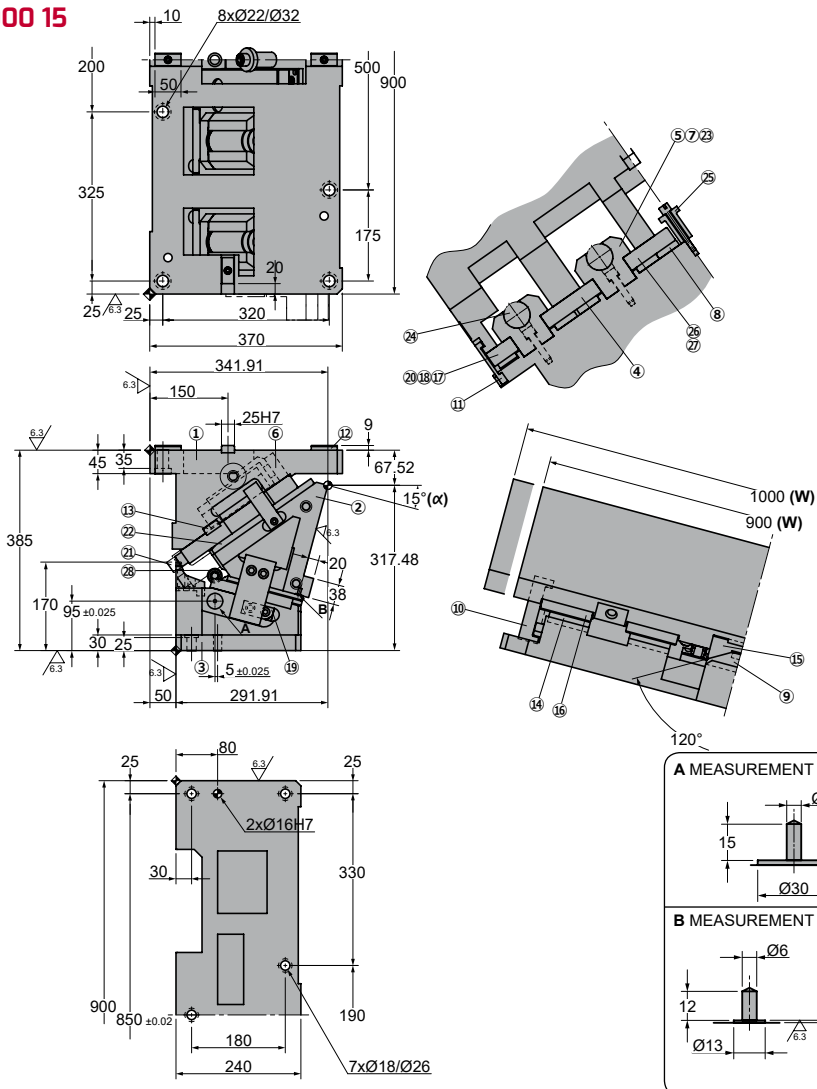
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	---

ASLT 0900 - ASLT 1000

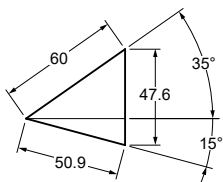
Aerial cam for pierce and flange

AZOL
GAS

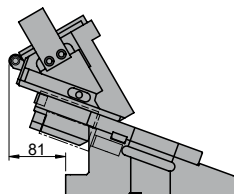
ASLT 0900 15 ASLT 1000 15



◦Cam diagram:



◦Desassembling space:



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
50.9	627.2 (63.9)	---	37364.0 (3812.7)	457.8	ASLT	0900	15
			464.7	1000			



Order: Model (W) (α)

ASLT 0900 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

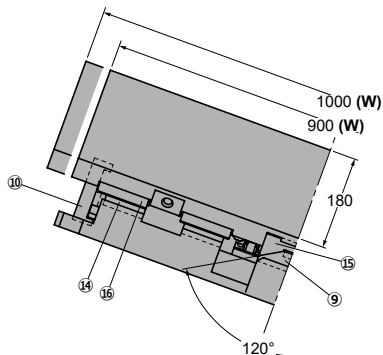
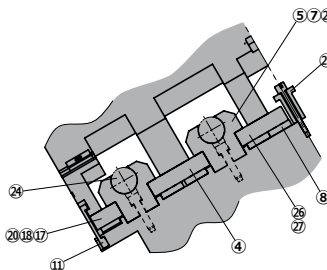
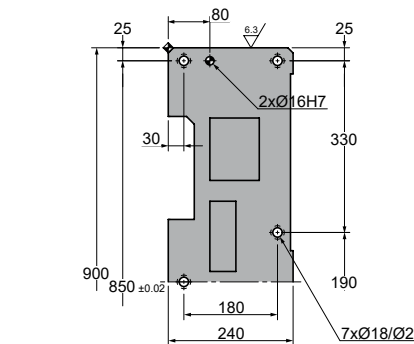
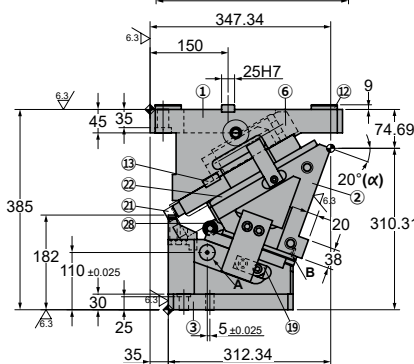
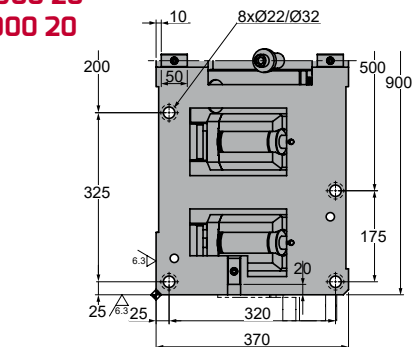
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	---

ASLT 0900 - ASLT 1000

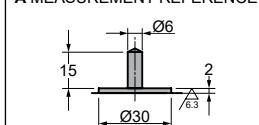


Aerial cam for pierce and flange

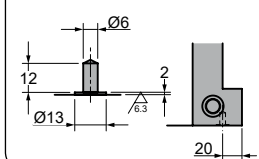
ASLT 0900 20 ASLT 1000 20



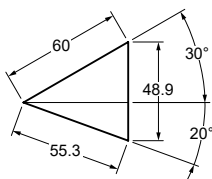
A MEASUREMENT REFERENCE



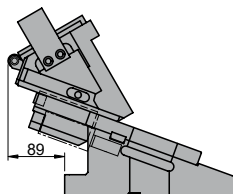
B MEASUREMENT REFERENCE



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
55.3	627.2 (63.9)	---	37364.0 (3812.7)	459.7	ASLT	0900	20
				466.5		1000	



Order: Model (W) (α)

ASLT 0900 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

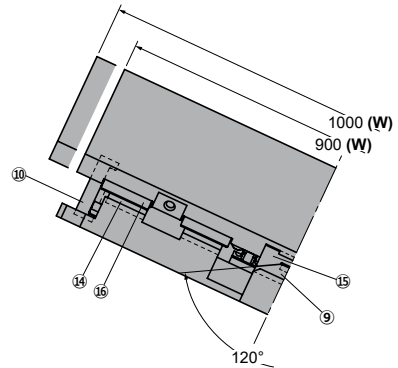
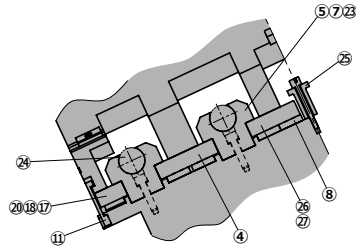
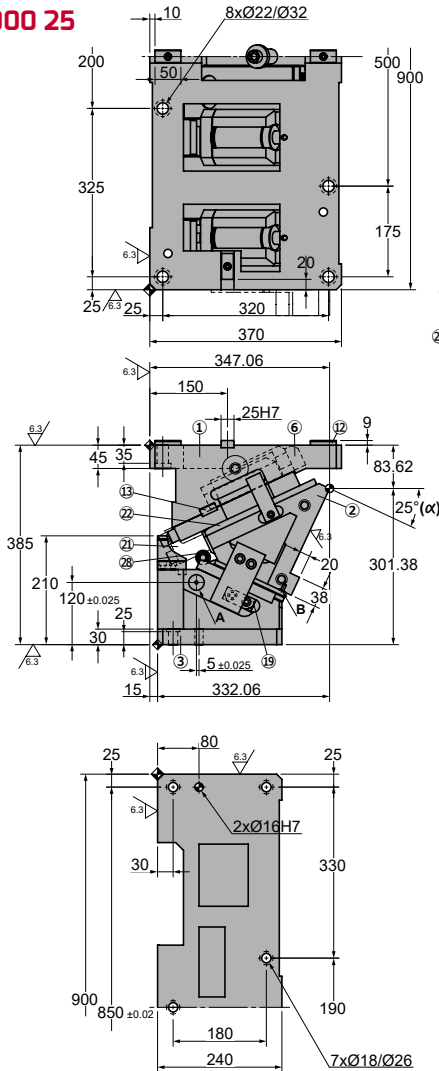
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

ASLT 0900 - ASLT 1000

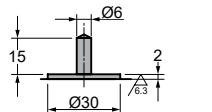
Aerial cam for pierce and flange

AZOL
GAS

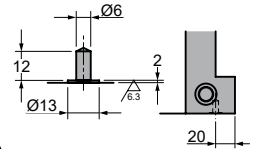
ASLT 0900 25 ASLT 1000 25



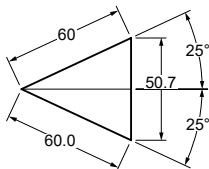
A MEASUREMENT REFERENCE



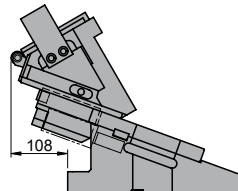
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	627.2 (63.9)	---	37364.0 (3812.7)	461.5	ASLT	0900	25
				468.4		1000	



Order: Model (W) (α)

ASLT 0900 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ㉒ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

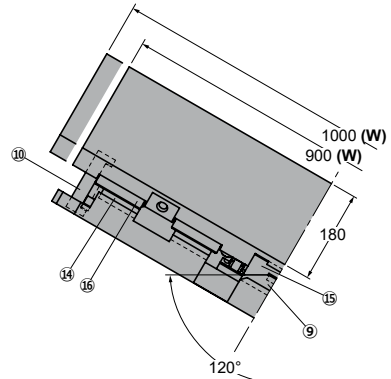
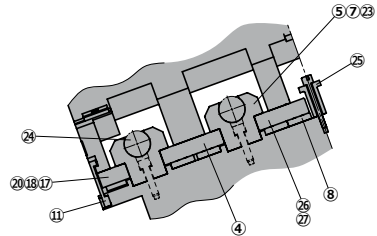
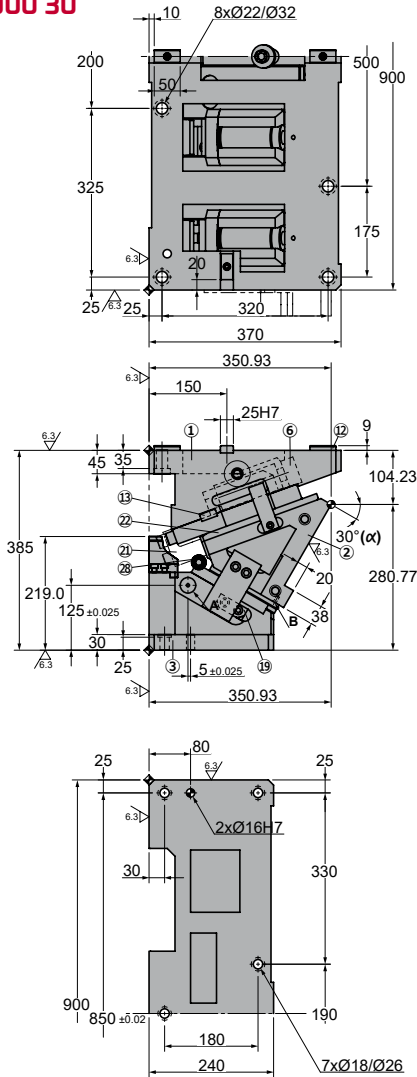
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

ASLT 0900 - ASLT 1000

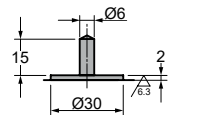
Aerial cam for pierce and flange

AZOL
GAS 

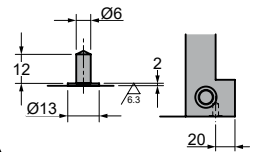
ASLT 0900 30 ASLT 1000 30



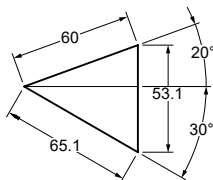
A MEASUREMENT REFERENCE



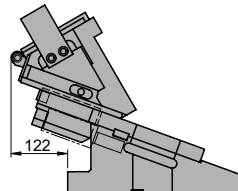
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
65.1	627.2 (63.9)	---	37364.0 (3812.7)	467.8	ASLT	0900	30
				474.7		1000	



Order: Model (W) (α)

ASLT 0900 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

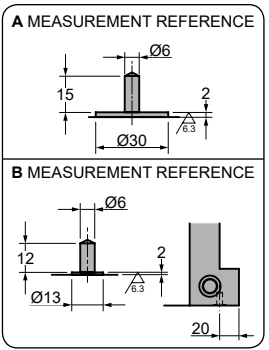
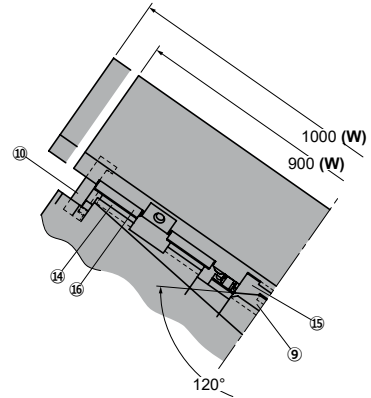
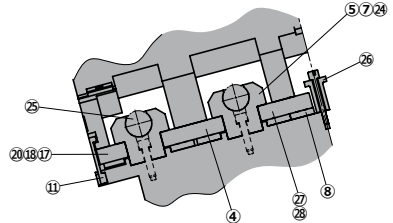
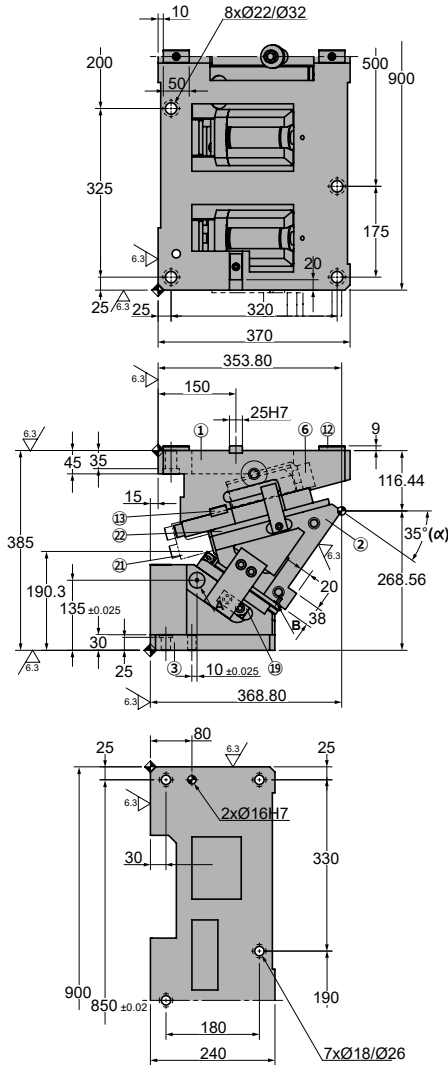
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	---

ASLT 0900 - ASLT 1000

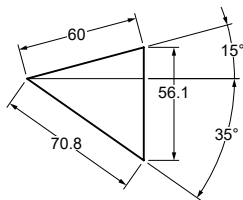


Aerial cam for pierce and flange

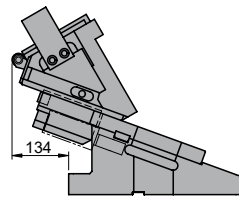
ASLT 0900 35 ASLT 1000 35



◦Cam diagram:



◦Desassembling space:



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
70.8	627.2 (63.9)	---	37364.0 (3812.7)	478.9	ASLT	0900	35
				485.8		1000	



Order: Model (W) (α)

ASLT 0900 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

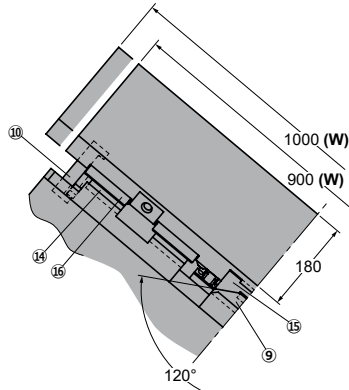
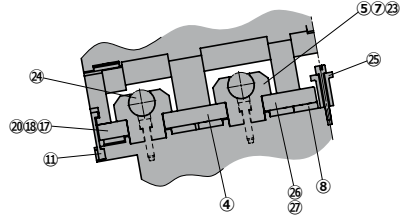
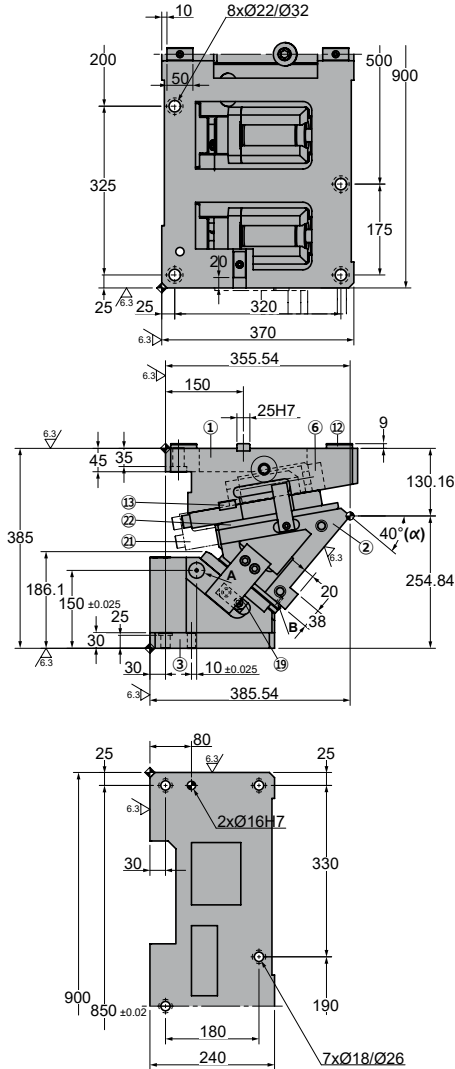
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

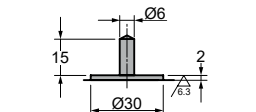


Aerial cam for pierce and flange

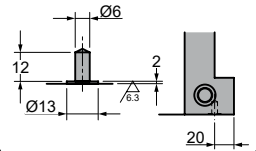
ASLT 0900 40
ASLT 1000 40



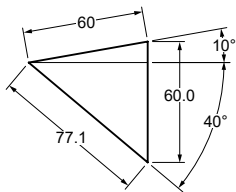
A MEASUREMENT REFERENCE



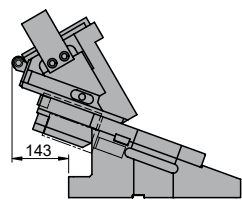
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
77.1	627.2 (63.9)	---	37364.0 (3812.7)	487.3	ASLT	0900	40
			494.2	1000			



Order: Model (W) (α)

ASLT 0900 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

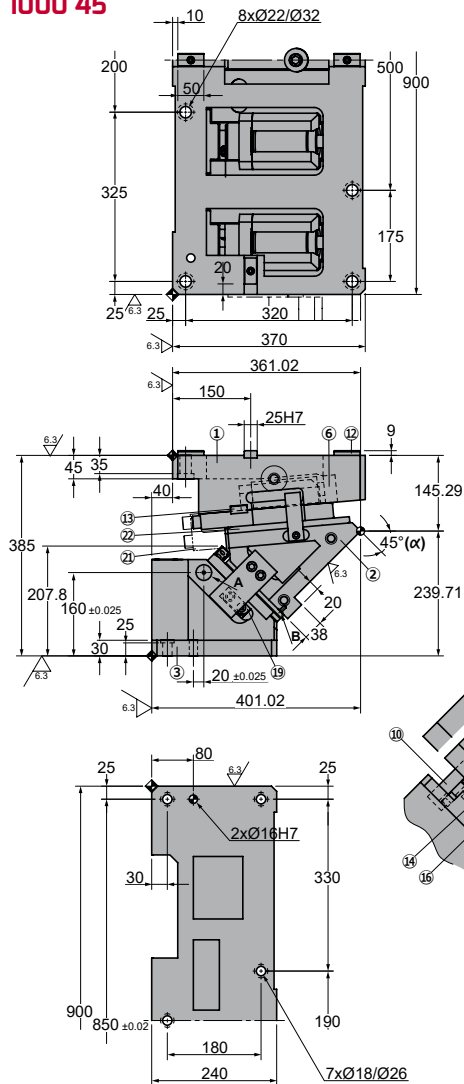
ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

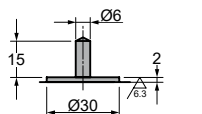
AZOL
GAS

ASLT 0900 45

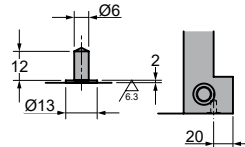
ASLT 1000 45



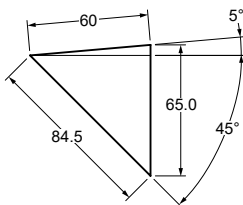
A MEASUREMENT REFERENCE



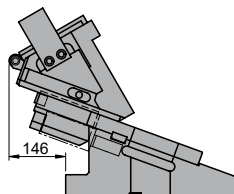
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
84.5	627.2 (63.9)	---	37364.0 (3812.7)	499.4	ASLT	0900	45
				506.3		1000	



Order: Model (W) (α)

ASLT 0900 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

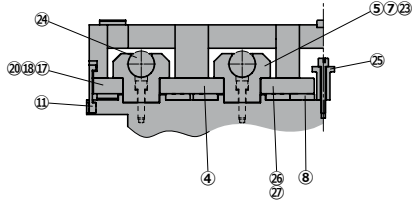
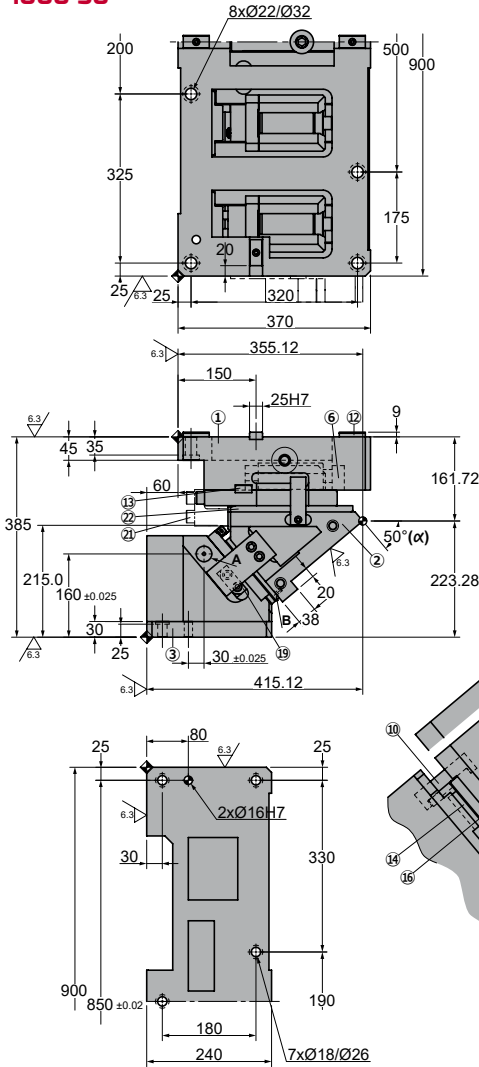
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

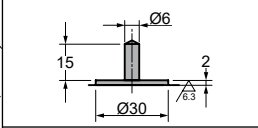


Aerial cam for pierce and flange

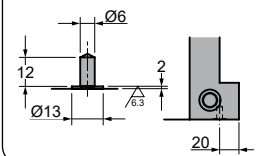
ASLT 0900 50
ASLT 1000 50



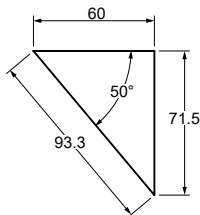
A MEASUREMENT REFERENCE



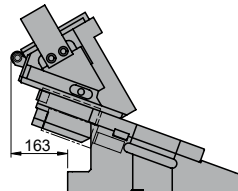
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
93.3	627.2 (63.9)	---	37364.0 (3812.7)	498.4	ASLT	0900	50
				505.3		1000	



Order: Model (W) (α)

ASLT 0900 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

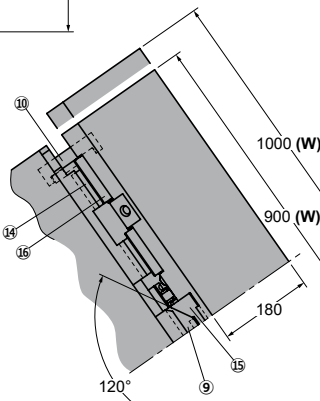
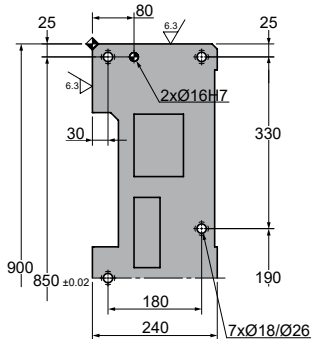
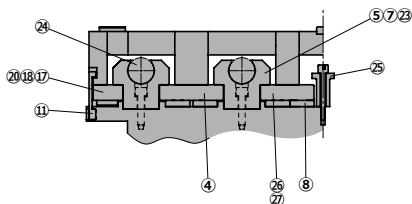
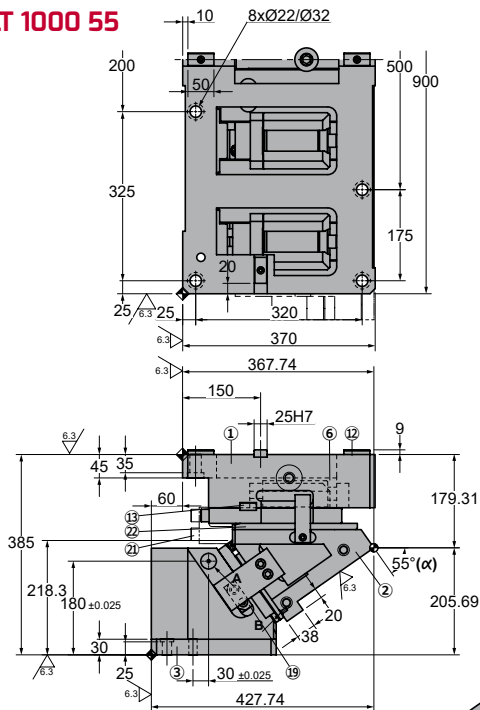
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

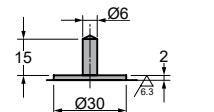


Aerial cam for pierce and flange

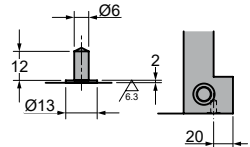
ASLT 0900 55 ASLT 1000 55



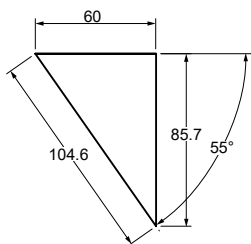
A MEASUREMENT REFERENCE



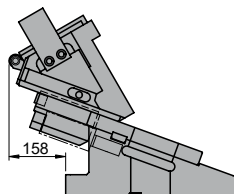
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
104.6	627.2 (63.9)	---	37364.0 (3812.7)	519.2	ASLT	0900	55
				526.9		1000	



Order: Model (W) (α)

ASLT 0900 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

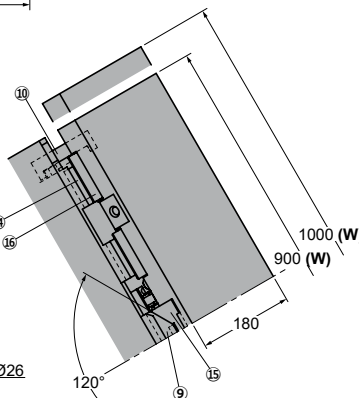
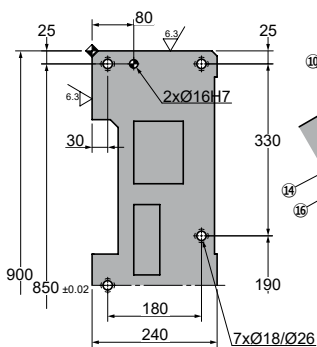
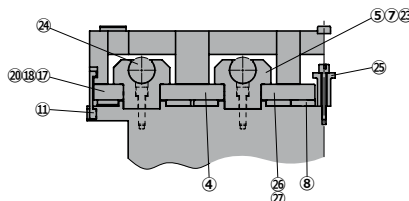
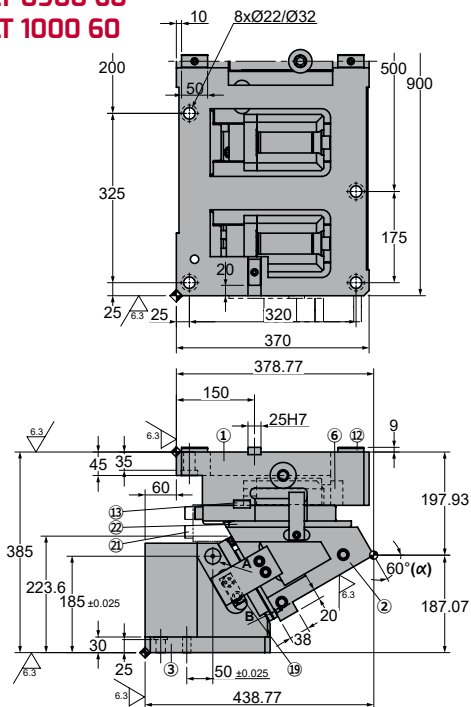
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

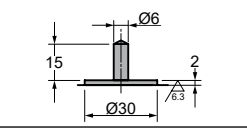


Aerial cam for pierce and flange

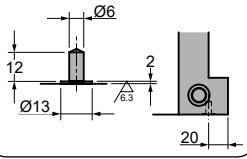
ASLT 0900 60
ASLT 1000 60



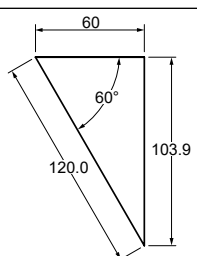
A MEASUREMENT REFERENCE



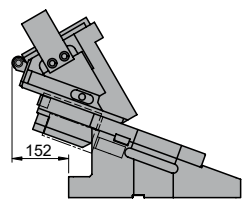
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
120.0	627.2 (63.9)	---	37364.0 (3812.7)	535.2	ASLT	0900	60
				543.1		1000	



Order: Model (W) (α)

ASLT 0900 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑰ Positive Return Guide
- ⑳ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 063
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

AZOL
GAS 

Aerial cam for pierce and flange

General information



ANRP 0070
ANRP 0080



ANRP 0165
ANRP 0200

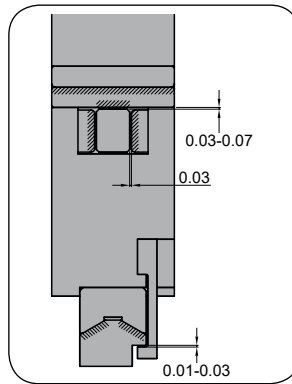


ANRP 0300
ANRP 0400

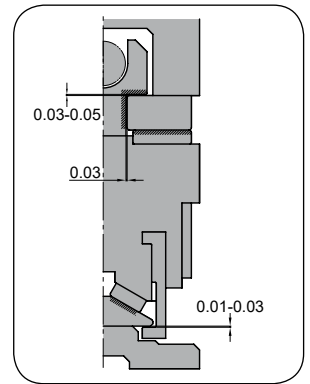
- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Optional gas spring.
- According to NAAMS.

Adjustment clearances

ANRP 0070 / 0080



ANRP 0165 / 0200



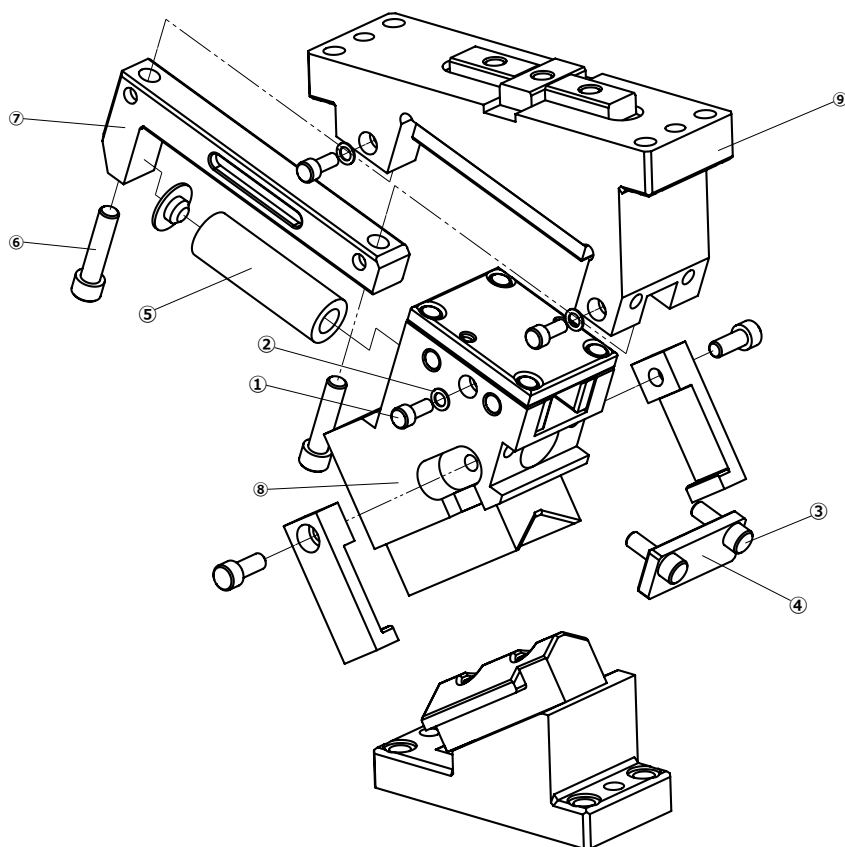
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove the washer ②.
- Remove screw ③, stopper plate ④ and extract gas spring ⑤.
- Unscrew ⑥ pieces and remove the guide bar ⑦ from cam holder ⑨.
- Drag guide bar through cam holder.

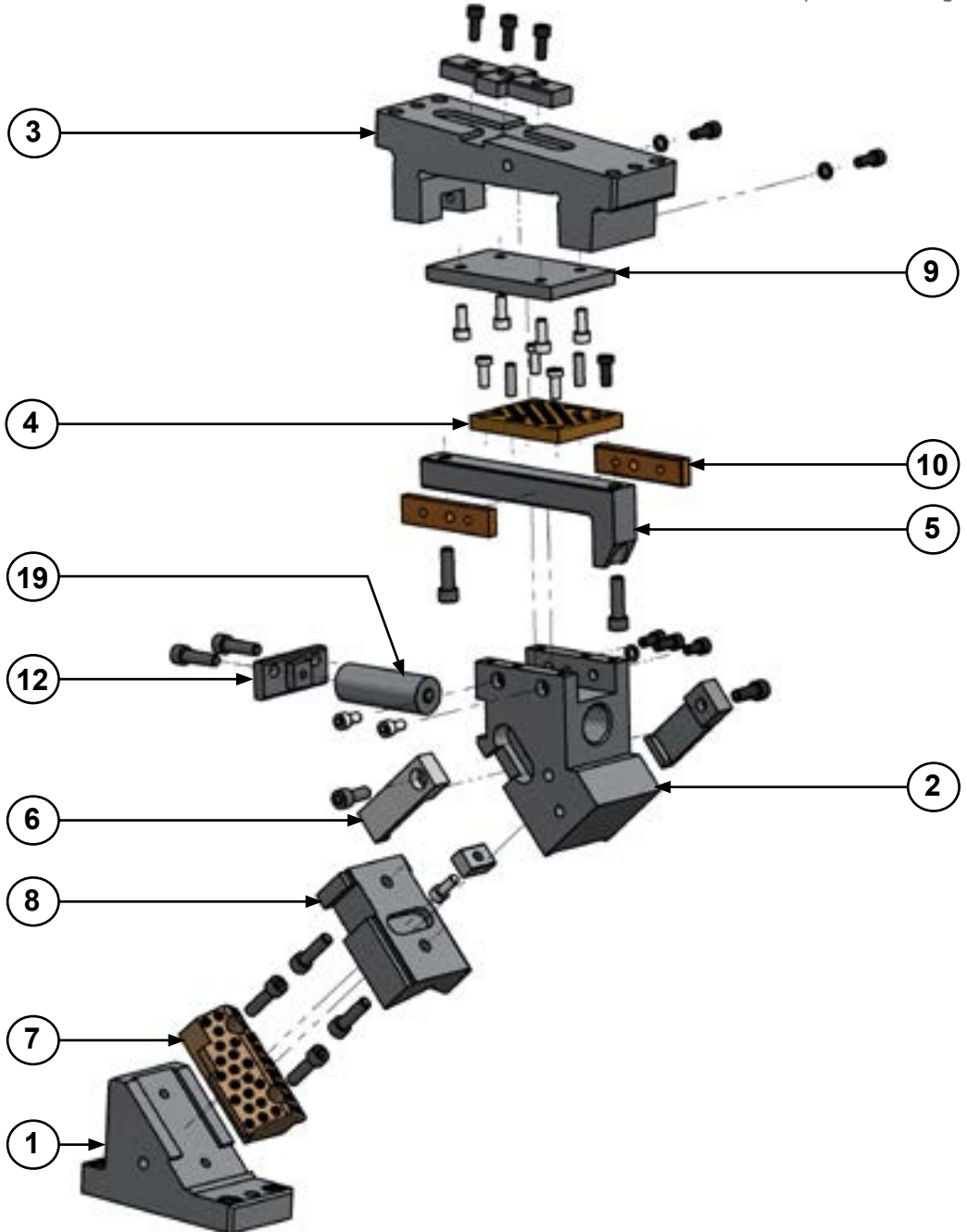
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ANRP 0070

Aerial cam for pierce and flange

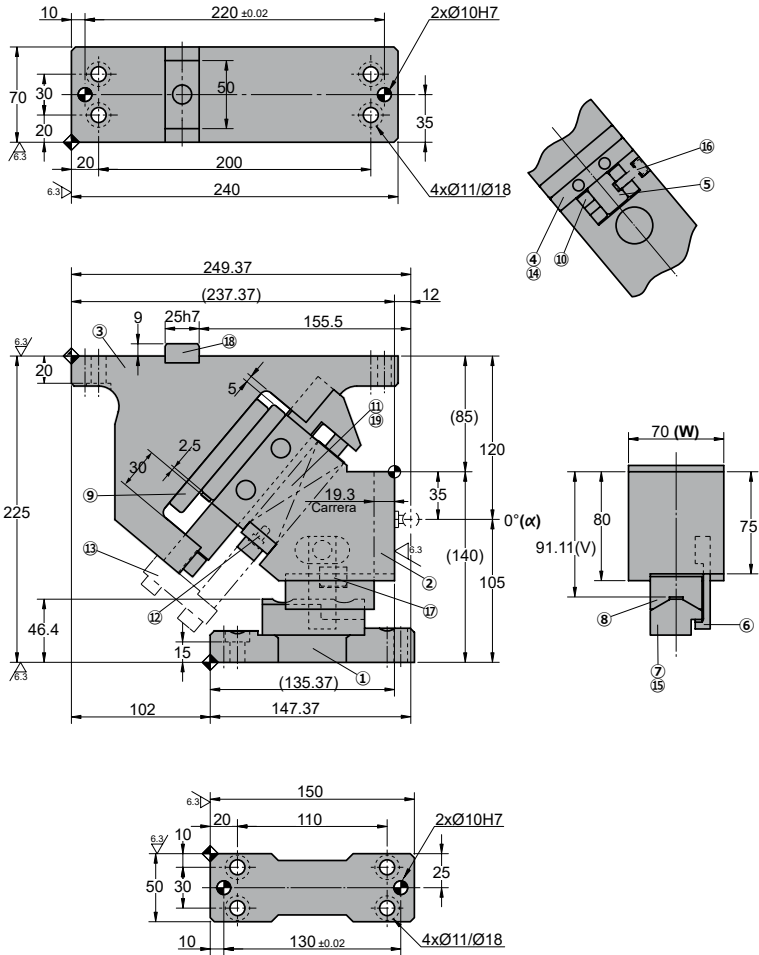


ANRP 0070

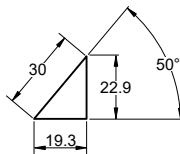
Aerial cam for pierce and flange

**AZOL
GAS**



ANRP 0070 00



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
19.3	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	16.1	ANRP	0070	00
		 ---	 2058.4 (209.9)				

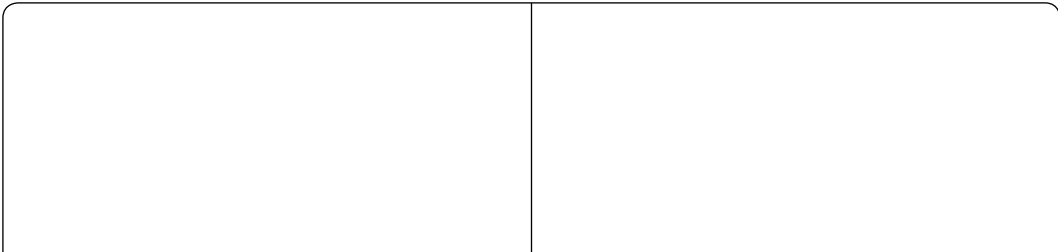


Order: Model (W) (α)

ANRP 0070 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 00-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

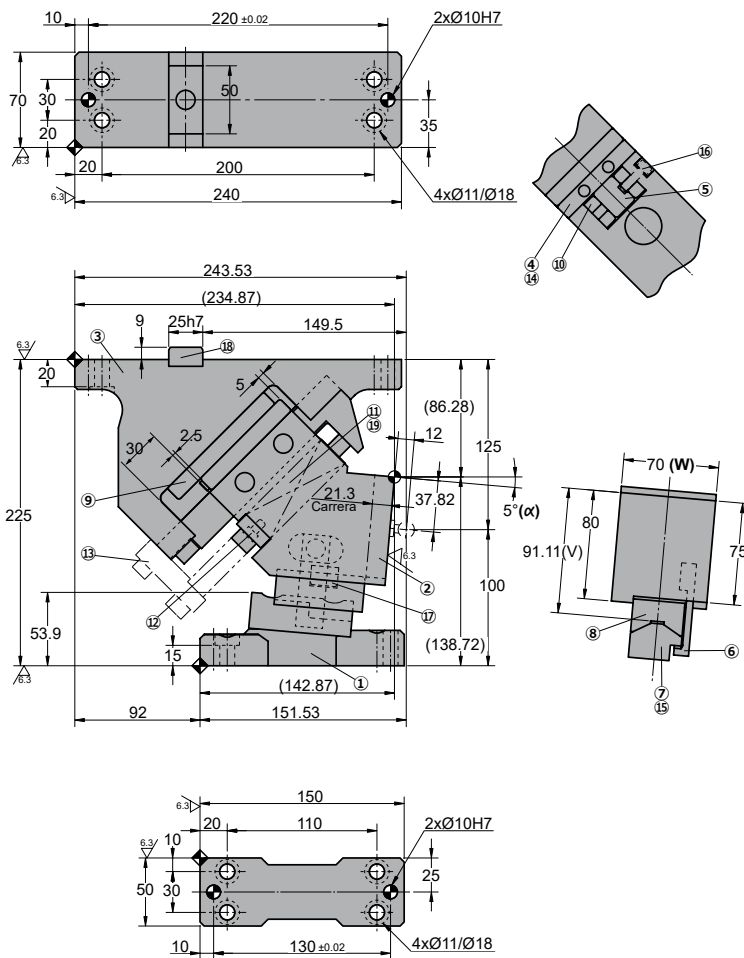
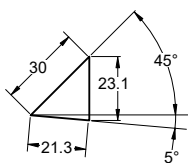
No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038



ANRP 0070

Aerial cam for pierce and flange

**AZOL
GAS**

ANRP 0070 05

**Cam diagram:****Desassembling space:**

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
21.3	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	15.4	ANRP	0070	05
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

--	--



GAS SPRING

G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 05-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

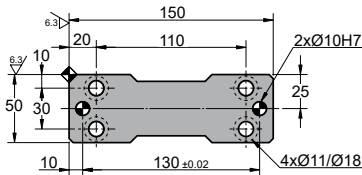
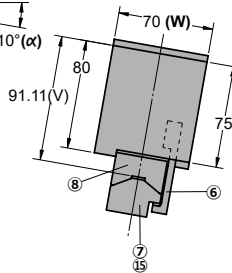
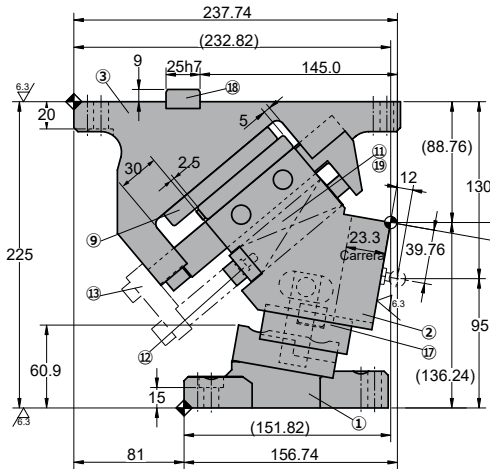
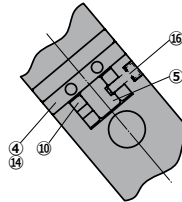
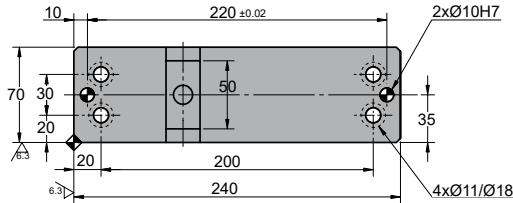
No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

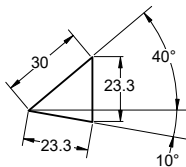
Aerial cam for pierce and flange



ANRP 0070 10





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
23.3	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	14.8	ANRP	0070	10
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 10-G



SPARE PARTS:



- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

⑲	Gas Spring	1	AFC 150 038
---	------------	---	-------------

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
25.4	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	14.1	ANRP	0070	15
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

--	--

G

GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 15-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

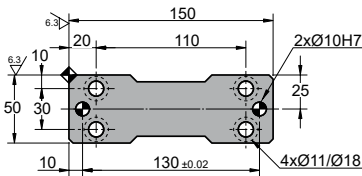
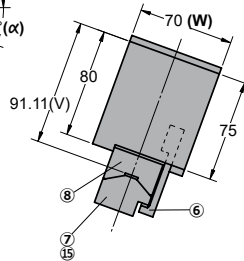
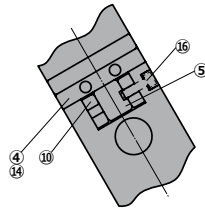
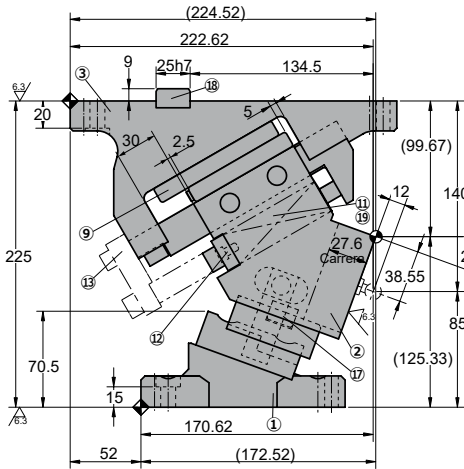
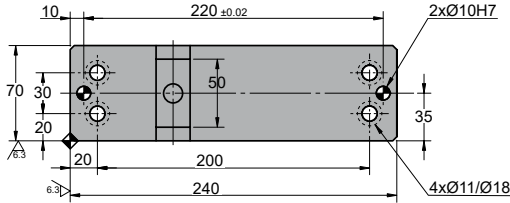
No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

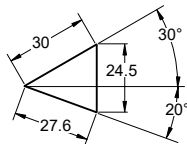
Aerial cam for pierce and flange





ANRP 0070 20



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
27.6	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	14.1	ANRP	0070	20
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

--	--

G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 20-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

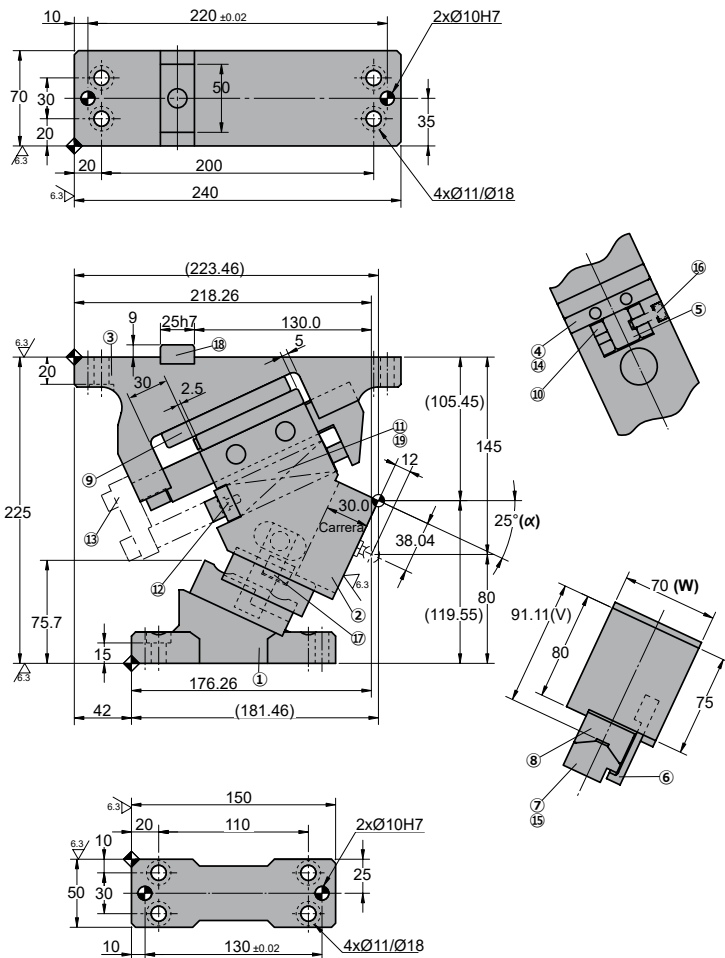
No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038

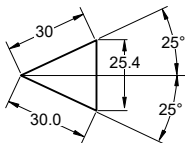
ANRP 0070

Aerial cam for pierce and flange



ANRP 0070 25



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
30.0	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	14.0	ANRP	0070	25
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 25

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

--	--

G

GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 25-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

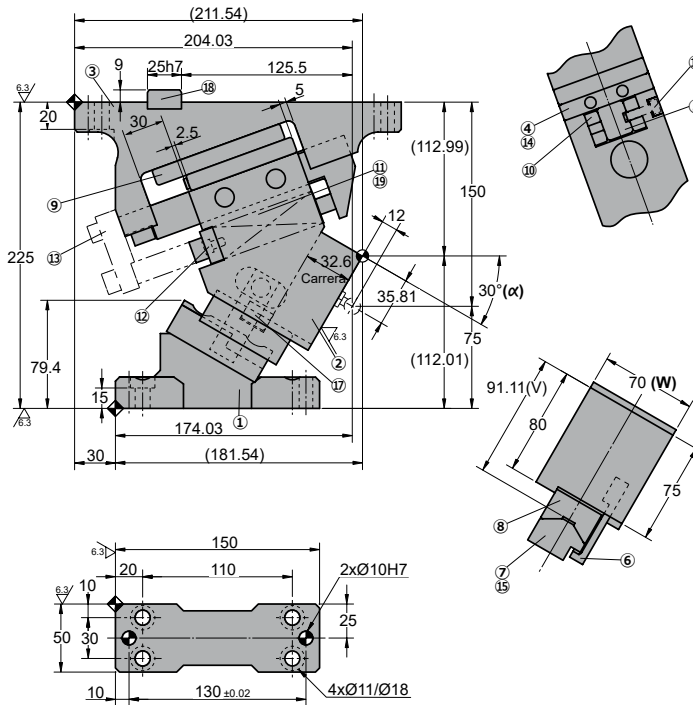
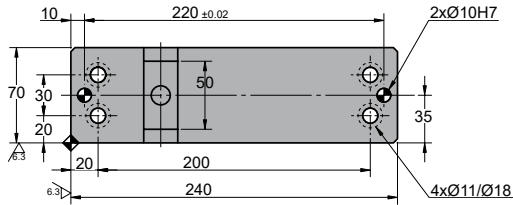
No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038

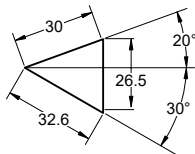
ANRP 0070

Aerial cam for pierce and flange



ANRP 0070 30



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
32.6	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.8	ANRP	0070	30
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

--	--

G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 30-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS



No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038



ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
35.4	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.7	ANRP	0070	35
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 35

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

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G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 35-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.6	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.8	ANRP	0070	40
		---	2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 40-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

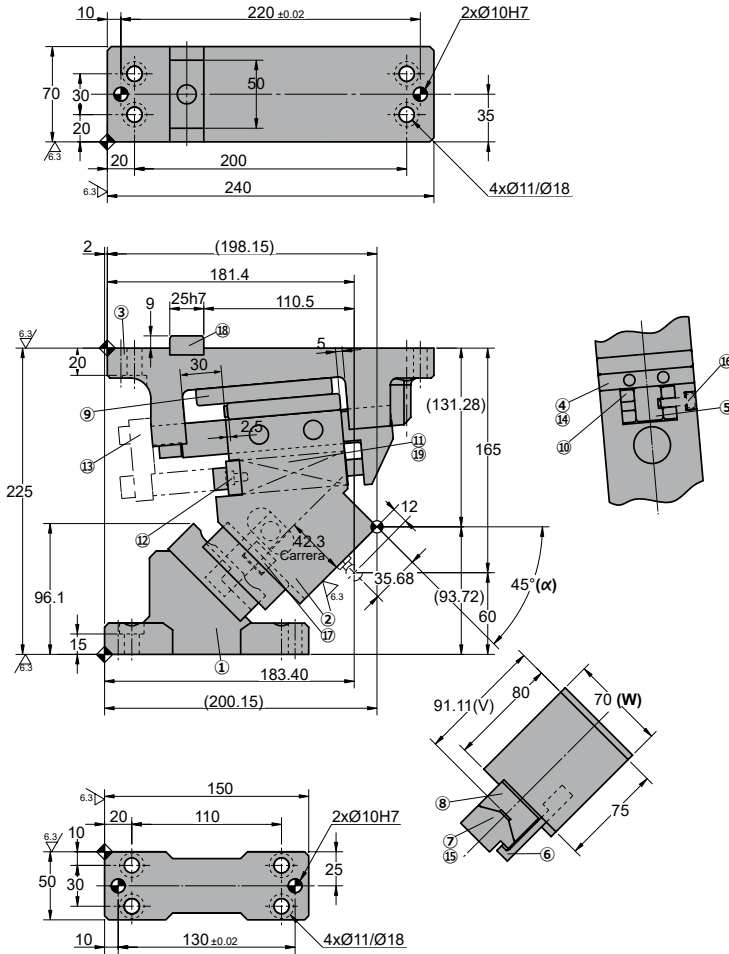
⑲	Gas Spring	1	AFC 150 038
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ANRP 0070

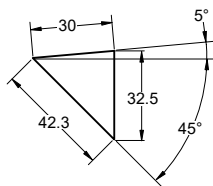
Aerial cam for pierce and flange



ANRP 0070 45





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
42.3	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.8	ANRP	0070	45
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

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G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 45-G



SPARE PARTS:



- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

⑲	Gas Spring	1	AFC 150 038
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Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.7	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.9	ANRP	0070	50
		 ---	 2058.4 (209.9)				



Order: Model (W) (α)

ANRP 0070 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

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G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 50-G





SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
43.6	98.1 (10.0)	88.2 (9.0)	578.2 (59.0)	14.1	ANRP	0070	55
		 ---	 1938.1 (197.7)				



Order: Model (W) (α)

ANRP 0070 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

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GAS SPRING

G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 55-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

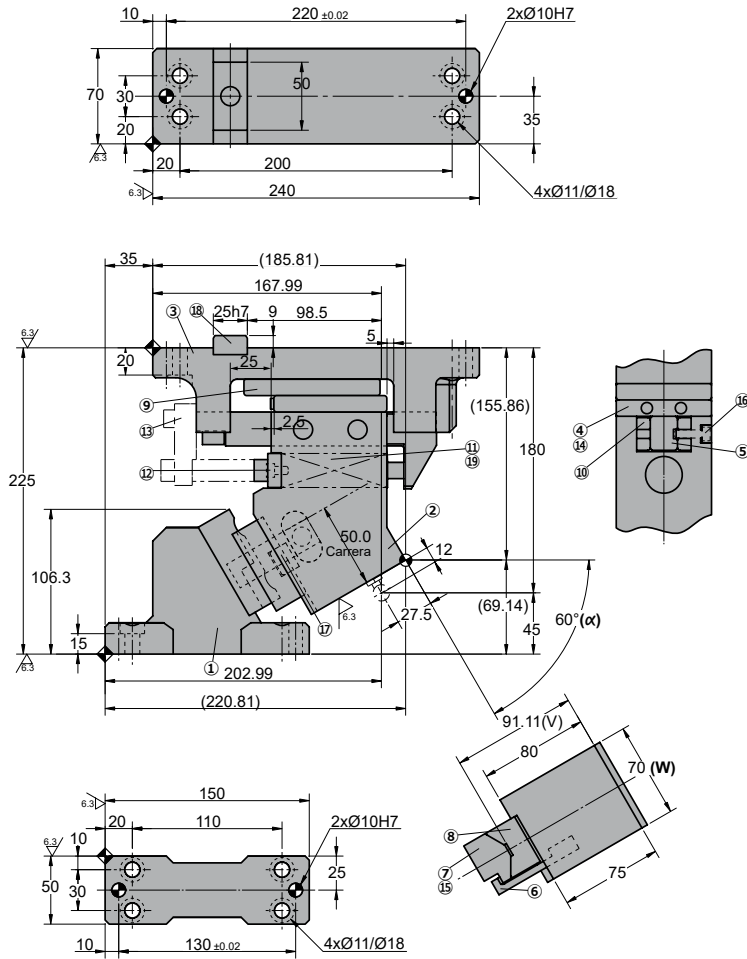
No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

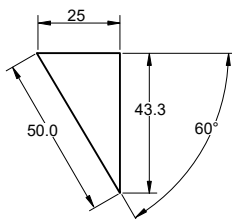
Aerial cam for pierce and flange

**AZOL
GAS**



ANRP 0070 60



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
50.0	98.1 (10.0)	88.2 (9.0)	578.2 (59.0)	14.5	ANRP	0070	60
		 ---	 1938.1 (197.7)				



Order: Model (W) (α)

ANRP 0070 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0070 60-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑰ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

⑲	Gas Spring	1	AFC 150 038
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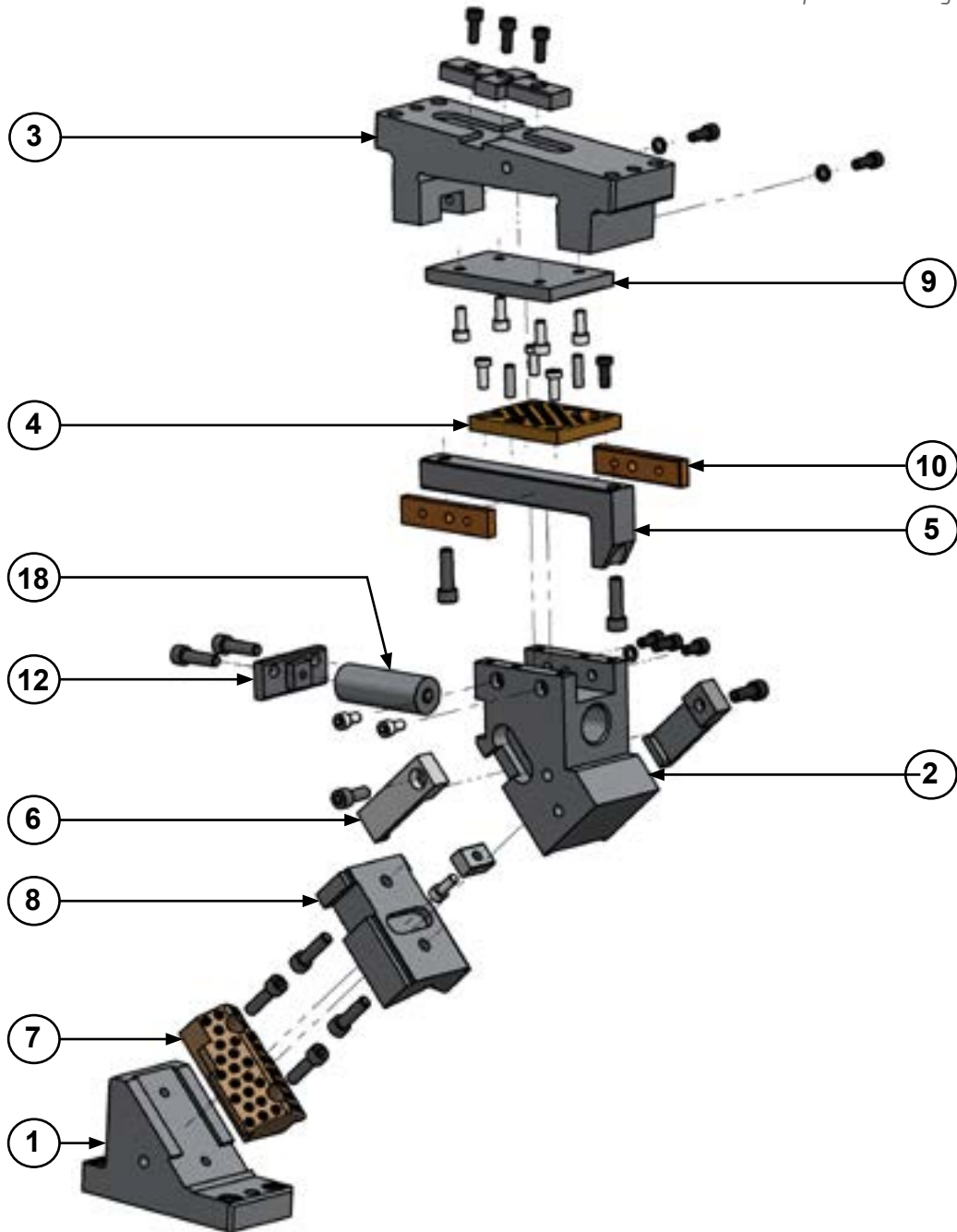
ANRP 0070



Aerial cam for pierce and flange

ANRP 0080

Aerial cam for pierce and flange

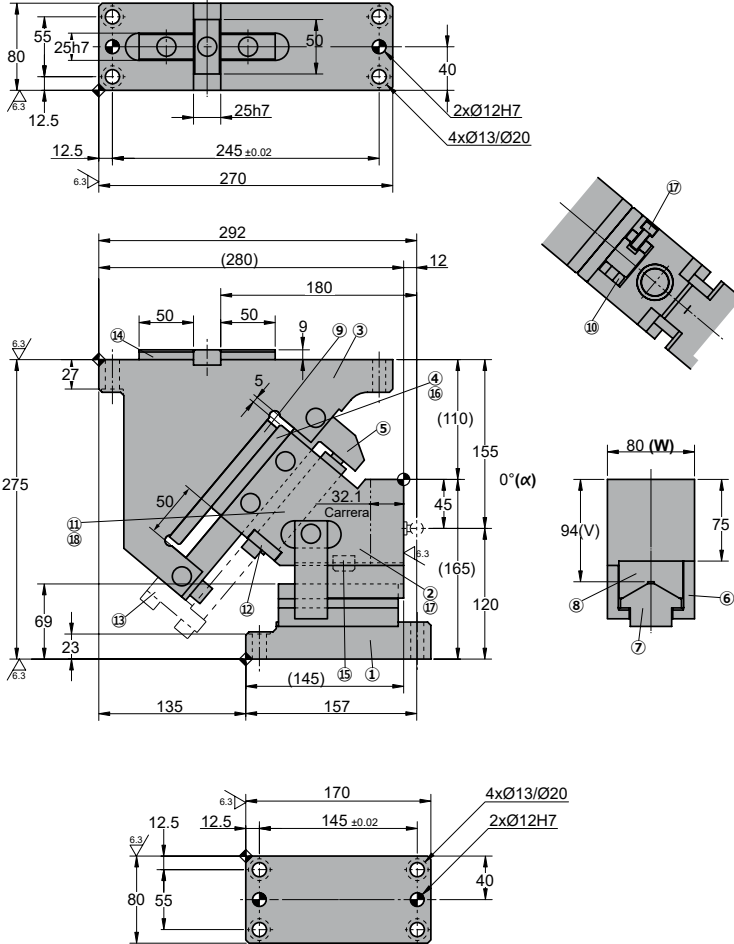


ANRP 0080

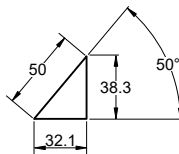
Aerial cam for pierce and flange





ANRP 0080 00



Cam diagram:



Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
32.1	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	27.9	ANRP	0080	00
		 ---	 1960.6 (200.0)				

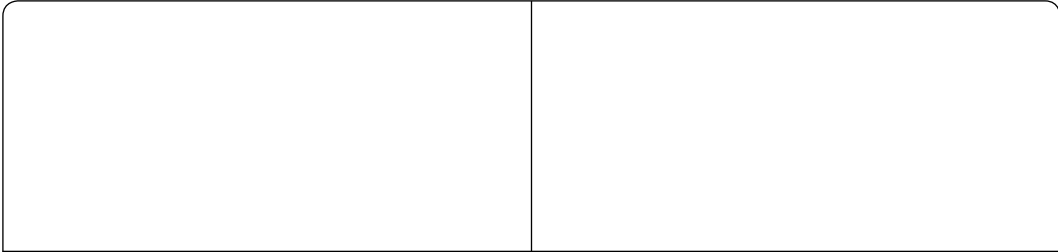


Order: Model (W) (α)

ANRP 0080 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS



G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 00-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

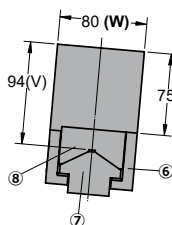
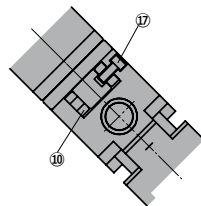
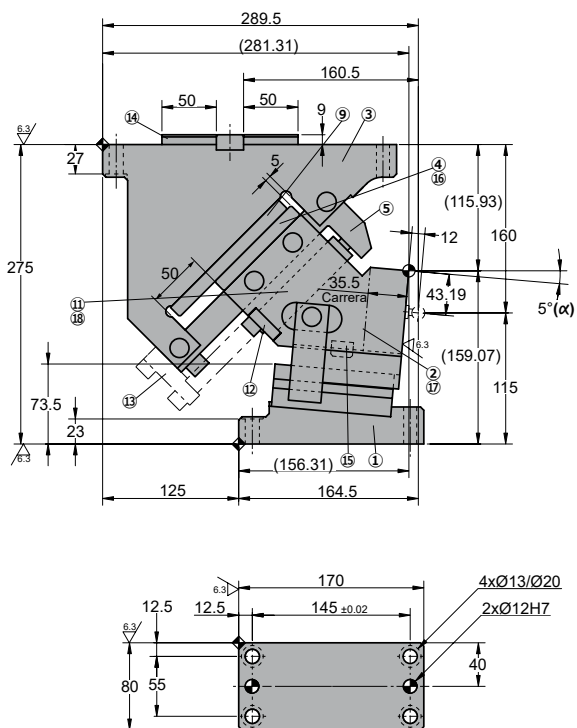
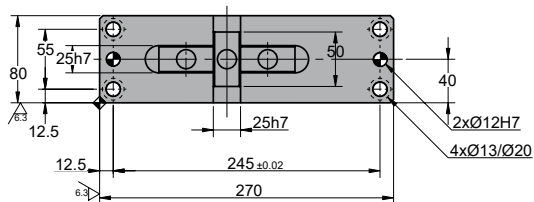
⑱	Gas Spring	1	APFA 150 050
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ANRP 0080

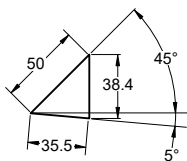
Aerial cam for pierce and flange



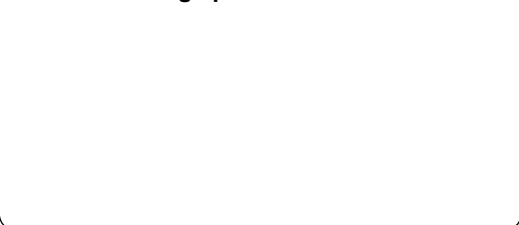
ANRP 0080 05





◦Cam diagram:



◦Desassembling space:





Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
35.5	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	27.5	ANRP	0080	05
		 ---	 1960.6 (200.0)				


Order: Model (W) (α)
ANRP 0080 05

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

	 GAS SPRING  Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0080 05-G

SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

⑲	Gas Spring	1	APFA 150 050
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Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.9	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	26.9	ANRP	0080	10
		---	1960.6 (200.0)				



Order: Model (W) (α)

ANRP 0080 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 10-G



SPARE PARTS:



- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

⑲	Gas Spring	1	APFA 150 050
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Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
42.4	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	26.5	ANRP	0080	15
		 ---	 1960.6 (200.0)				



Order: Model (W) (α)

ANRP 0080 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 15-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

⑱	Gas Spring	1	APFA 150 050
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ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.1	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	26.0	ANRP	0080	20
		---	1960.6 (200.0)				



Order: Model (W) (α)

ANRP 0080 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G

GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 20-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

⑱	Gas Spring	1	APFA 150 050
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Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
50.0	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	25.9	ANRP	0080	25
		---	1960.6 (200.0)				



Order: Model (W) (α)

ANRP 0080 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 25-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

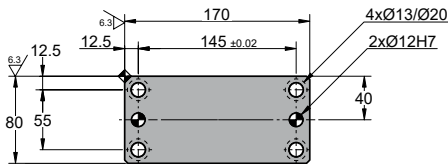
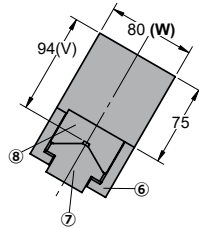
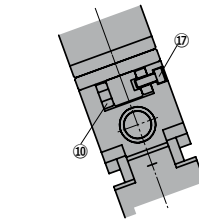
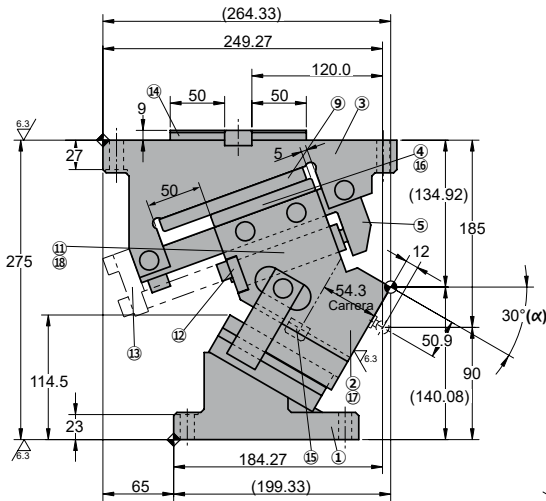
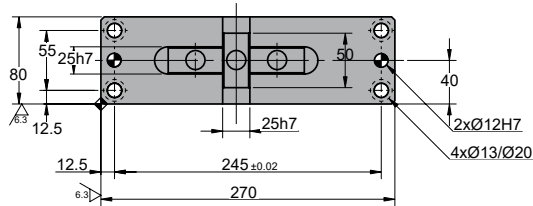
⑱	Gas Spring	1	APFA 150 050
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ANRP 0080

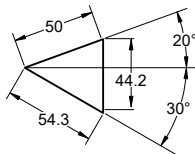
Aerial cam for pierce and flange



ANRP 0080 30



◦Cam diagram:





◦Desassembling space:





ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
54.3	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	25.3	ANRP	0080	30
		 ---	 1960.6 (200.0)				



Order: Model (W) (α)

ANRP 0080 30

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

G

GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 30-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

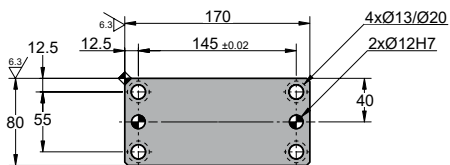
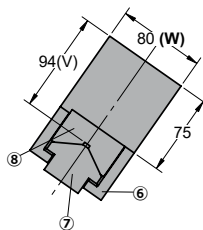
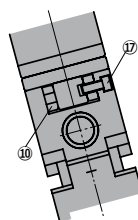
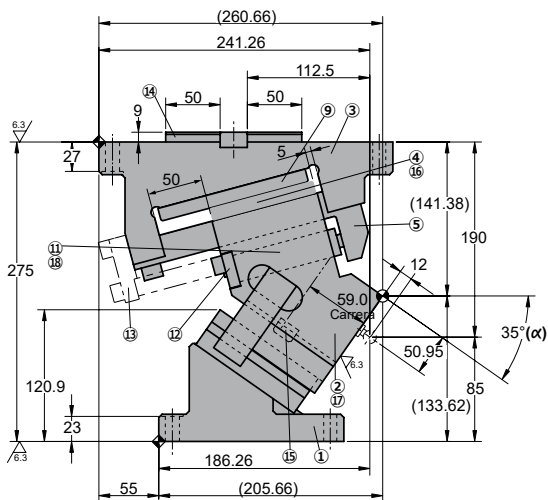
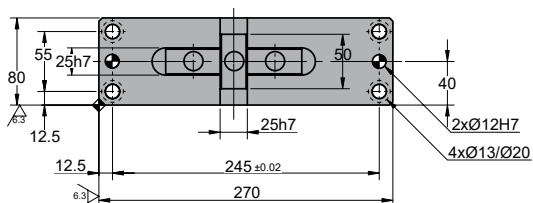
⑲	Gas Spring	1	APFA 150 050
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ANRP 0080

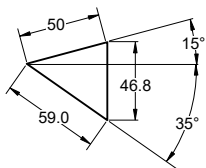
Aerial cam for pierce and flange



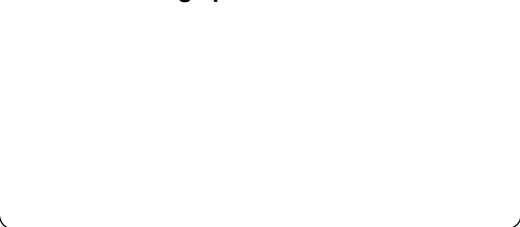
ANRP 0080 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
59.0	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	25.0	ANRP	0080	35
		---	1960.6 (200.0)				



Order: Model (W) (α)

ANRP 0080 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 35-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

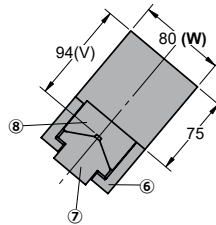
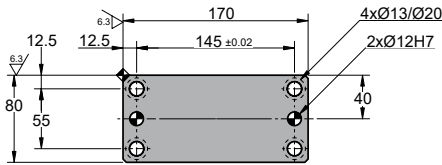
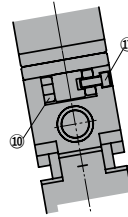
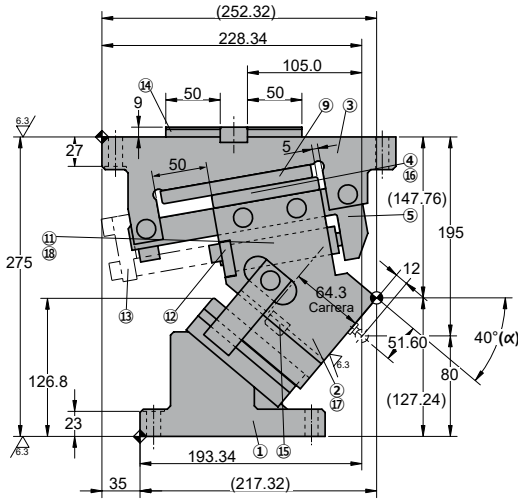
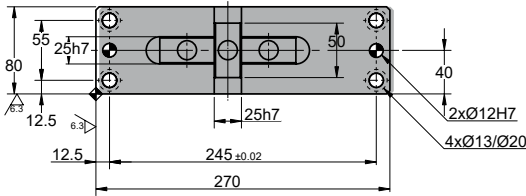
⑱	Gas Spring	1	APFA 150 050
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ANRP 0080

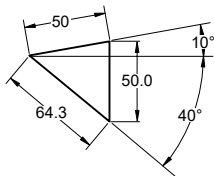
Aerial cam for pierce and flange



ANRP 0080 40



Cam diagram:





Desassembling space:





ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
64.3	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	24.7	ANRP	0080	40
		 ---	 1960.6 (200.0)				



Order: Model (W) (α)

ANRP 0080 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

G

GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 40-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

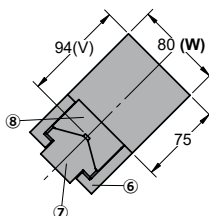
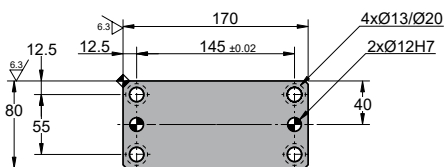
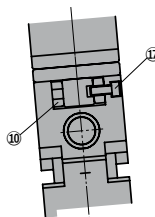
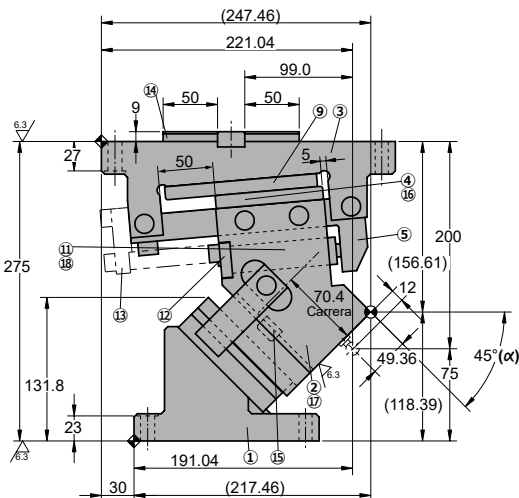
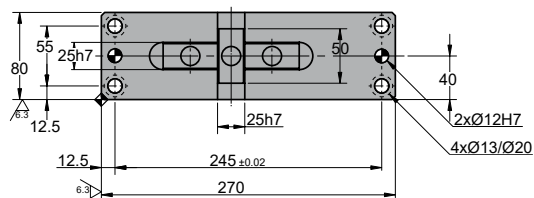
⑱	Gas Spring	1	APFA 150 050
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ANRP 0080

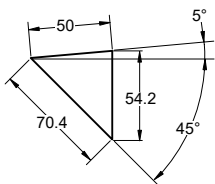
Aerial cam for pierce and flange



ANRP 0080 45



◦Cam diagram:





◦Desassembling space:



ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
70.4	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	24.7	ANRP	0080	45
		 ---	 1960.6 (200.0)				





Order: Model (W) (α)

ANRP 0080 45

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

G GAS SPRING

  **G Gas spring included in de cam**

Order Options: Model (W) (α)-Option



ANRP 0080 45-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

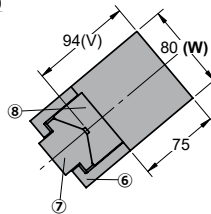
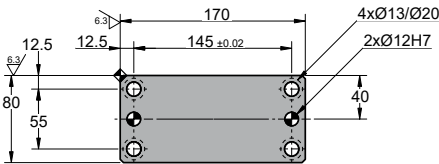
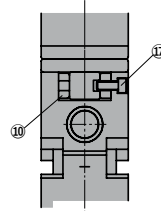
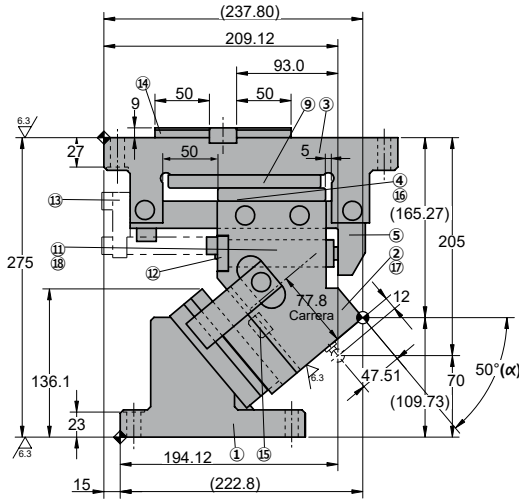
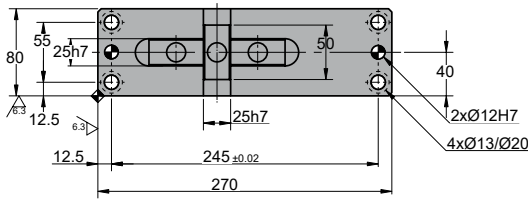
No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152
⑲	Gas Spring	1	APFA 150 050

ANRP 0080

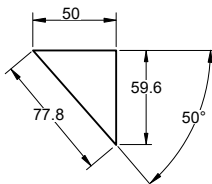
Aerial cam for pierce and flange



ANRP 0080 50





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.8	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	24.9	ANRP	0080	50
		 ---	 1960.6 (200.0)				



Order: Model (W) (α)

ANRP 0080 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0080 50-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

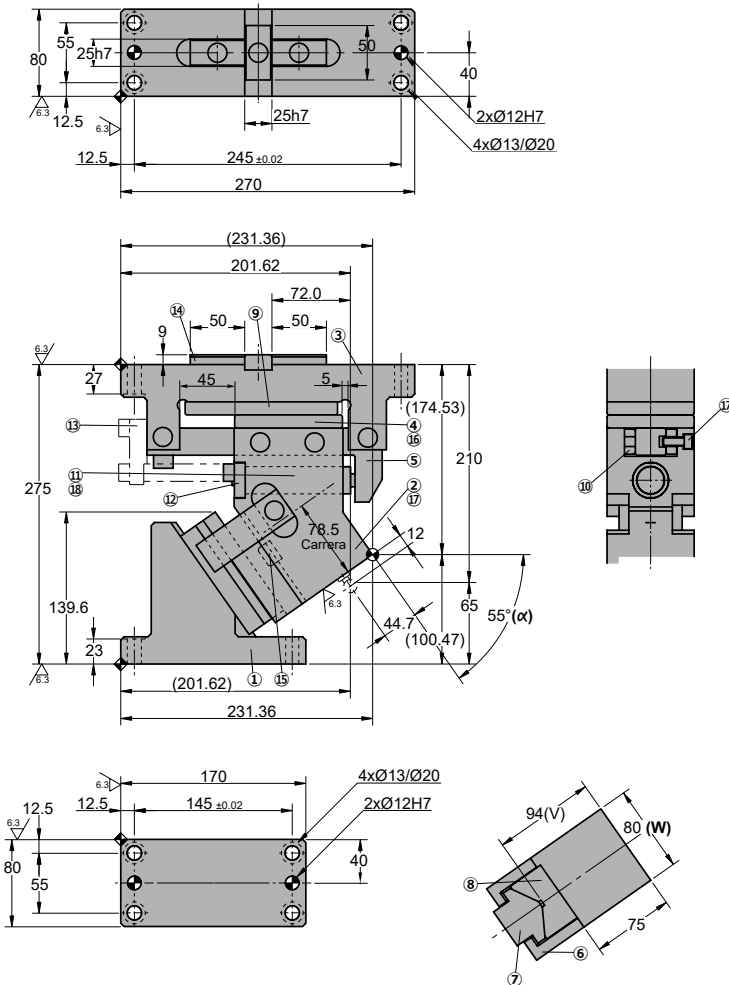
⑱	Gas Spring	1	APFA 150 050
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ANRP 0080

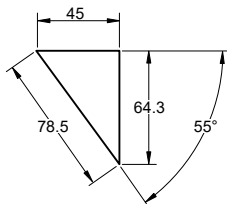
Aerial cam for pierce and flange



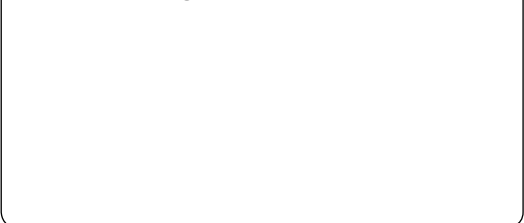
ANRP 0080 55





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
78.5	166.7 (17.0)	73.5 (7.5)	1108.6 (113.0)	25.8	ANRP	0080	55
		 ---	 1902.1 (193.9)				





Order: Model (W) (α)

ANRP 0080 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

	<p>G GAS SPRING</p> <p> Gas spring included in de cam</p> 

Order Options: Model (W) (α)-Option



ANRP 0080 55-G



SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

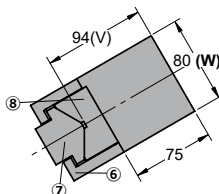
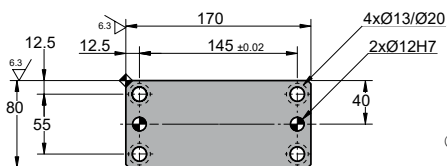
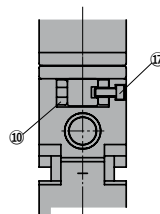
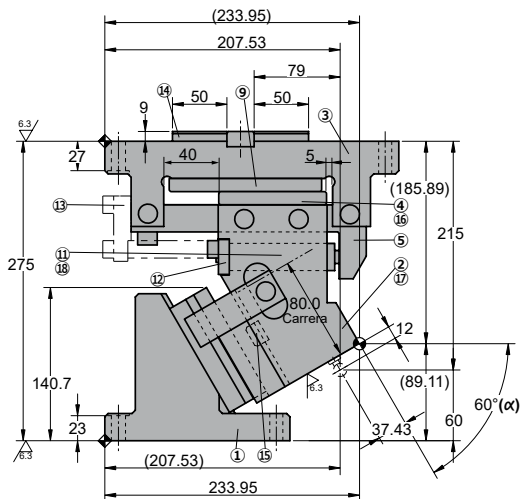
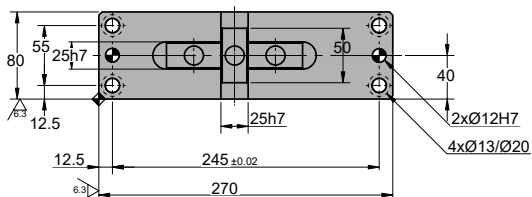
No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152
⑲	Gas Spring	1	APFA 150 050

ANRP 0080

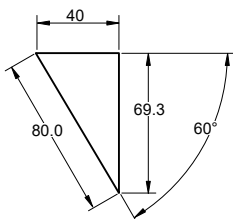
Aerial cam for pierce and flange



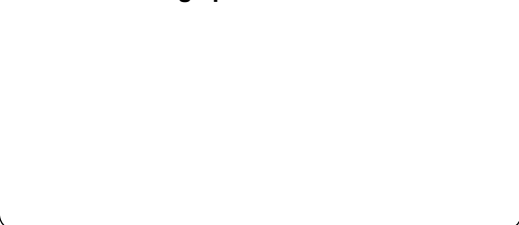
ANRP 0080 60





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
80.0	166.7 (17.0)	73.5 (7.5)	993.6 (101.3)	26.2	ANRP	0080	60
		 ---	 1847.1 (188.3)				


Order: Model (W) (α)
ANRP 0080 60

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

G

GAS SPRING

G

G Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0080 60-G


SPARE PARTS:

- ⑦ Slide Guide A
- ⑨ Cam Slider Plate
- ⑩ Slider Plate B
- ⑱ Coil Spring

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

⑱	Gas Spring	1	APFA 150 050
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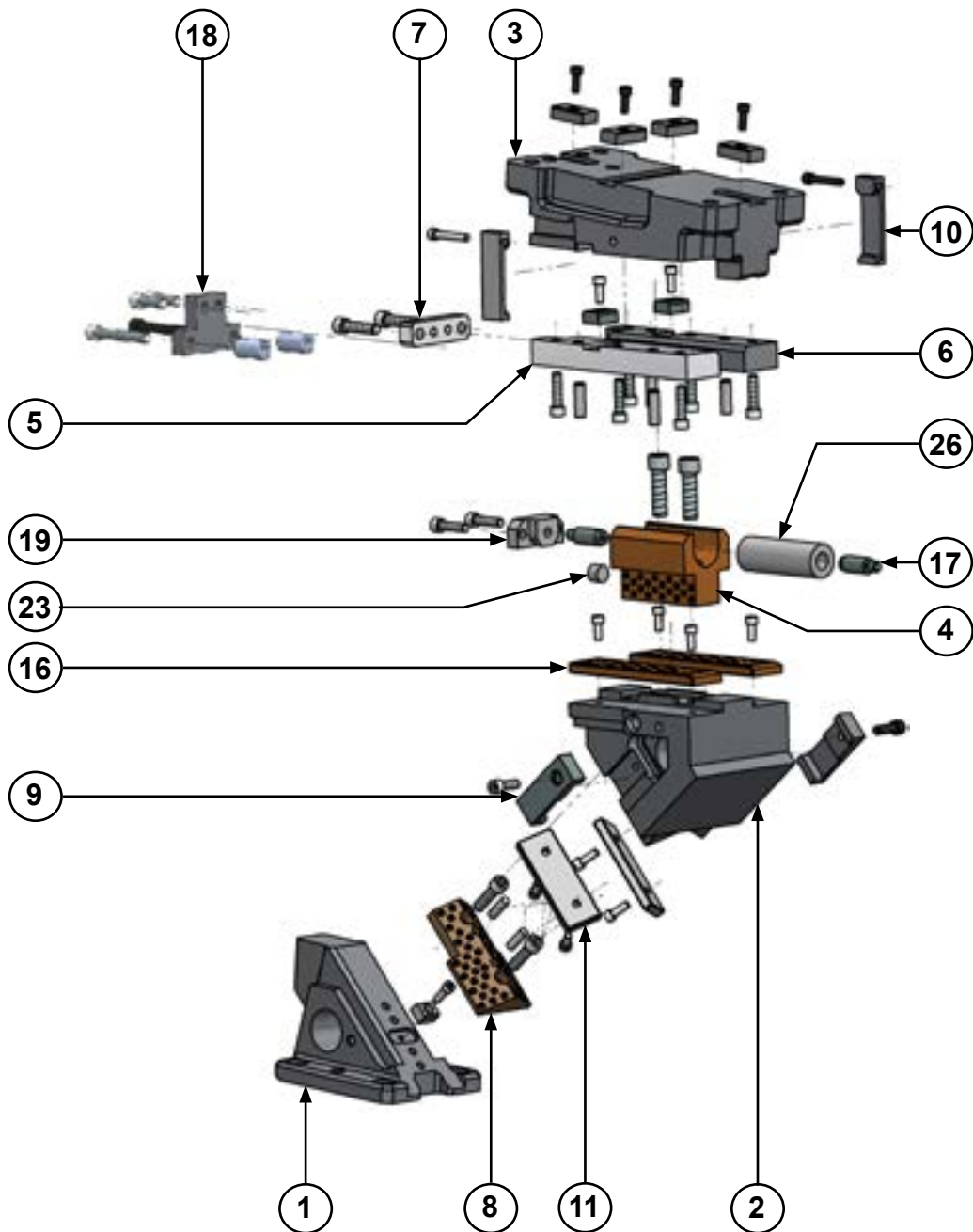
ANRP 0080



Aerial cam for pierce and flange

ANRP 0165

Aerial cam for pierce and flange

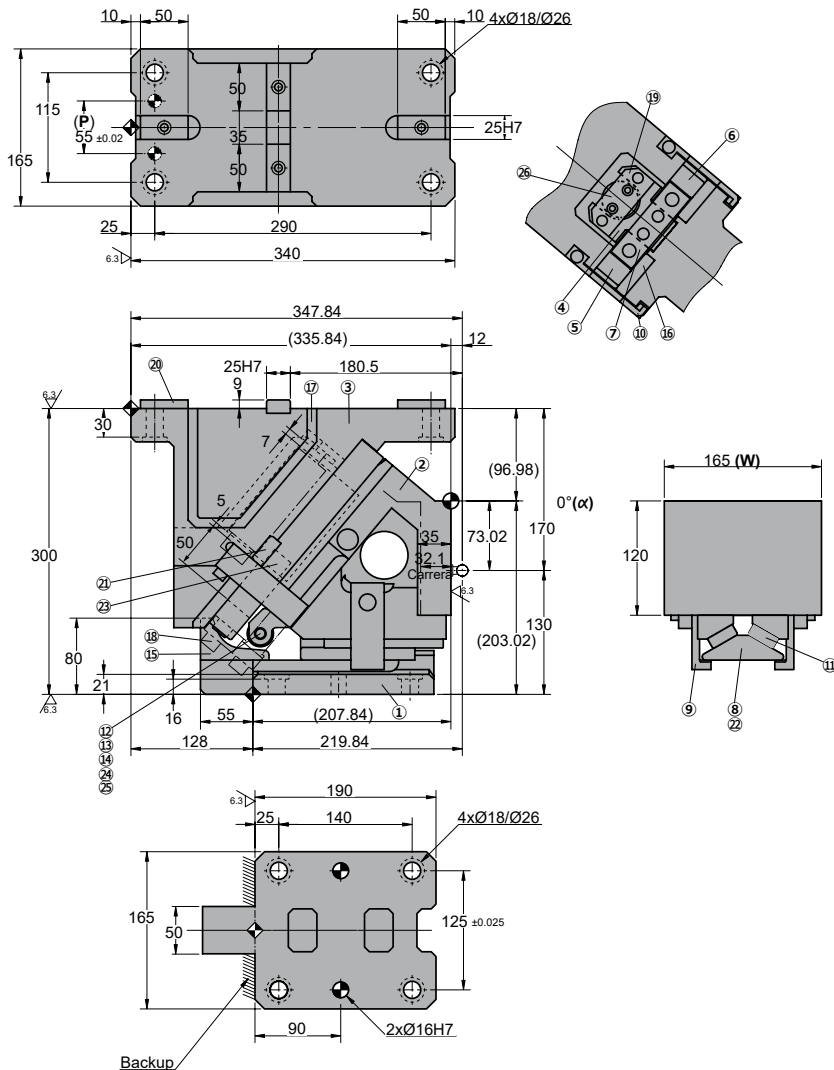


ANRP 0165

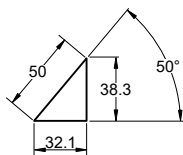
Aerial cam for pierce and flange



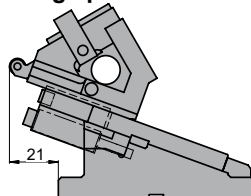
ANRP 0165 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
32.1	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	76.1	ANRP	0165	00
		---	3308.1 (337.3)				



Order: Model (W) (α)

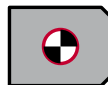
ANRP 0165 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

Gas spring included in de cam



Order Options: Model (W) (α)-Option



ANRP 0165 00-G

ANRP 0165 00-G-P



SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

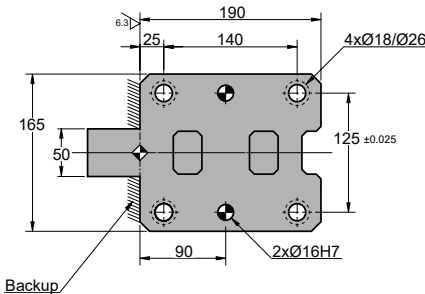
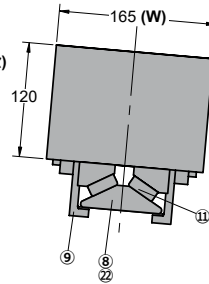
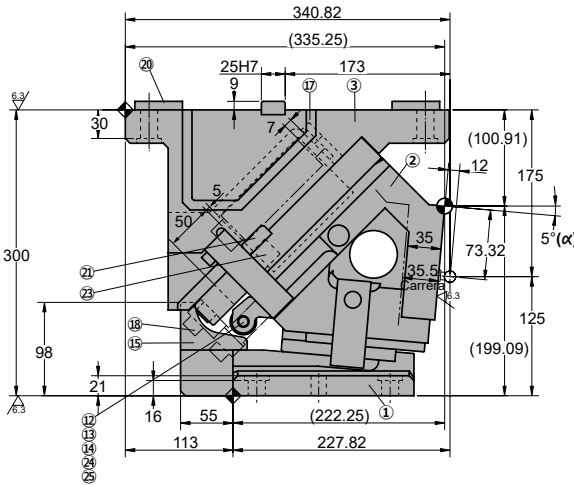
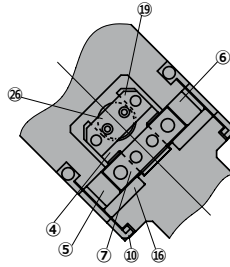
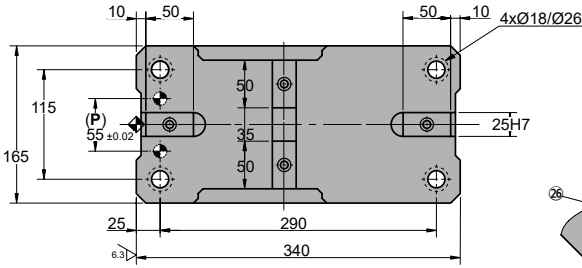
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178
㉗	Gas Spring	1	APFA 250 063

ANRP 0165

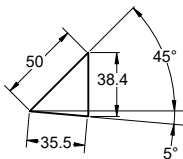
Aerial cam for pierce and flange



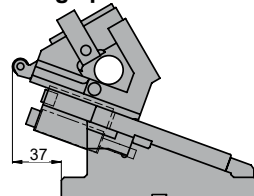
ANRP 0165 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
35.5	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	74.2	ANRP	0165	05
		---	3308.1 (337.3)				



Order: Model (W) (α)

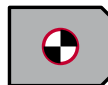
ANRP 0165 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

Gas spring included in de cam



Order Options: Model (W) (α)-Option



ANRP 0165 05-G

ANRP 0165 05-G-P



SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

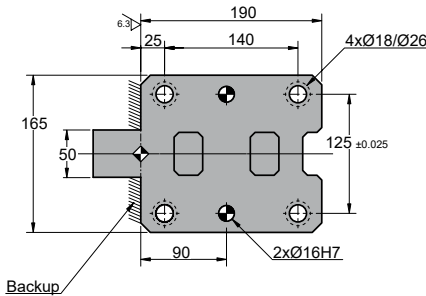
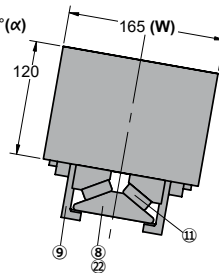
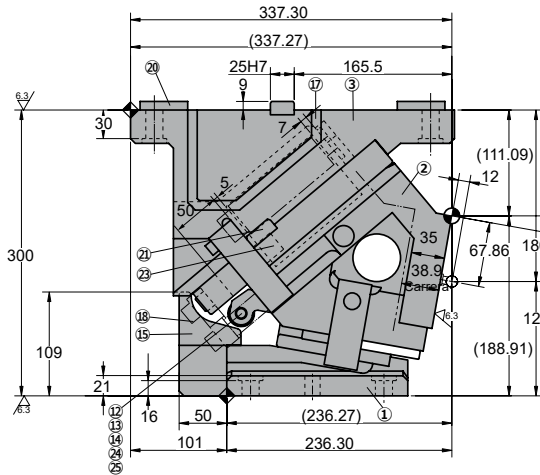
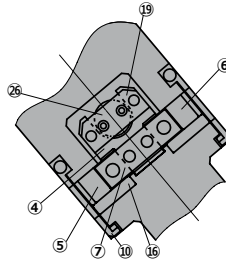
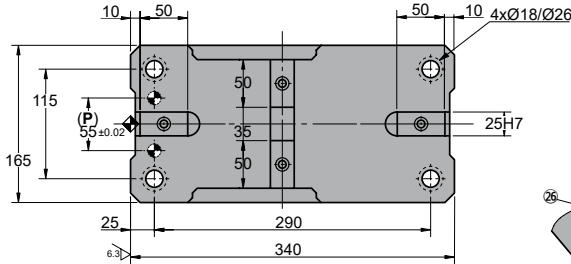
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178
㉗	Gas Spring	1	APFA 250 063

ANRP 0165

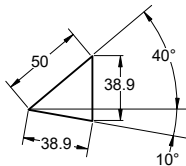
Aerial cam for pierce and flange



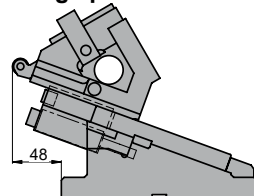
ANRP 0165 10



◦Cam diagram:



◦Desassembling space:





ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.9	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	73.8	ANRP	0165	10
		---	3308.1 (337.3)				




Order: Model (W) (α)
ANRP 0165 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS


P PINS

P - Ø16 H7.



G GAS SPRING



G Gas spring included in de cam



Order Options: Model (W) (α)-Option


ANRP 0165 10-G

ANRP 0165 10-G-P

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring



COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

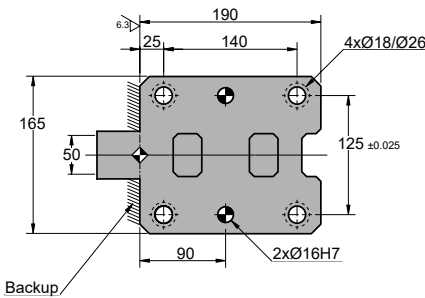
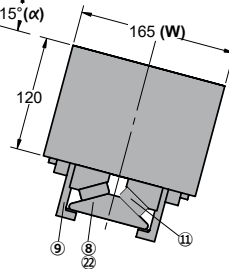
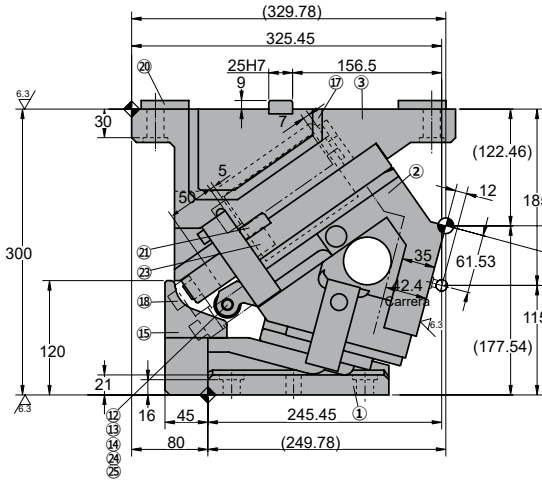
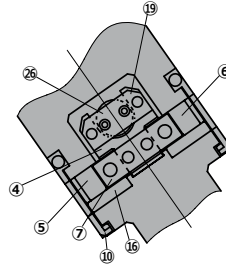
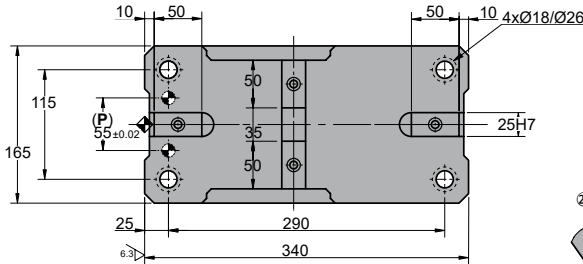
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178
㉗	Gas Spring	1	APFA 250 063

ANRP 0165

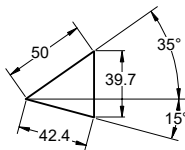
Aerial cam for pierce and flange



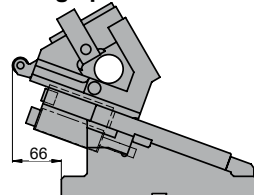
ANRP 0165 15



◦Cam diagram:





◦Desassembling space:





ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
42.4	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	73.1	ANRP	0165	15
		 ---	 3308.1 (337.3)				




Order: Model (W) (α)
ANRP 0165 15

Standard order example according to catalog sheet.
 Add options applying options table contents.


OPTIONS


P PINS

P - Ø16 H7.



G GAS SPRING



 Gas spring included in de cam



Order Options: Model (W) (α)-Option


ANRP 0165 15-G

ANRP 0165 15-G-P

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring



COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

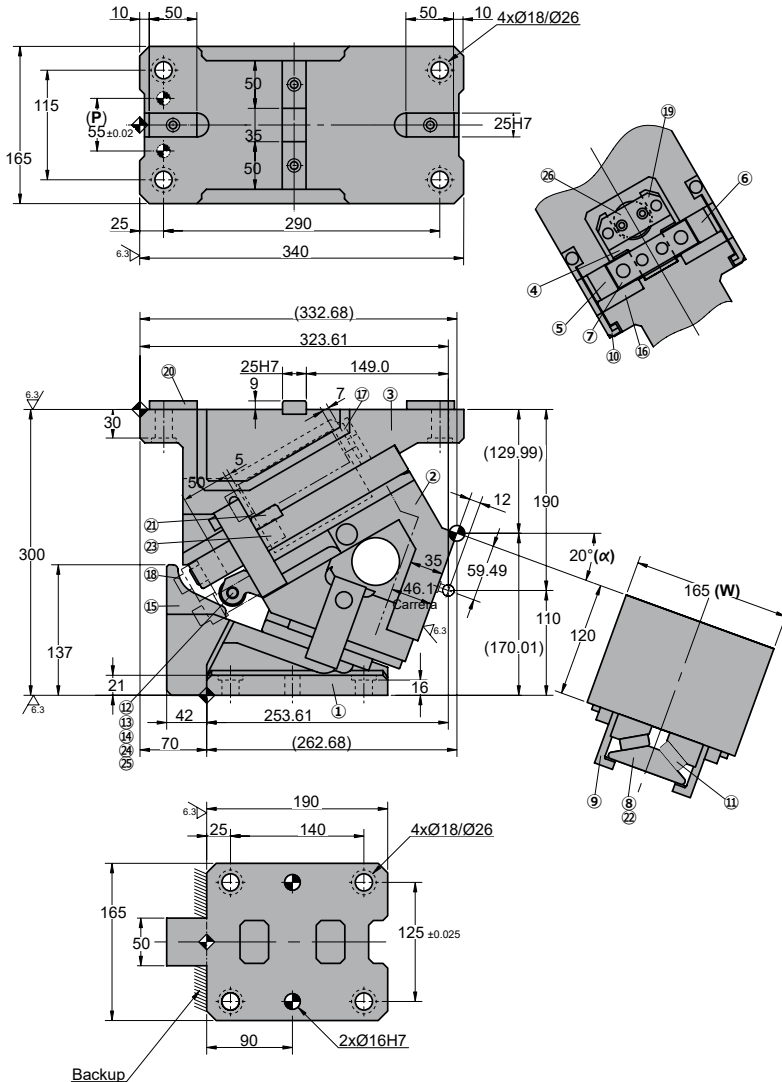
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178
㉖	Gas Spring	1	APFA 250 063

ANRP 0165

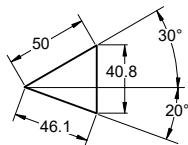
Aerial cam for pierce and flange

**AZOL
GAS**

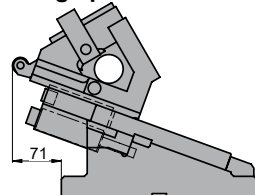
ANRP 0165 20



◦Cam diagram:





◦Desassembling space:





ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.1	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	72.3	ANRP	0165	20
		 ---	 3308.1 (337.3)				




Order: Model (W) (α)
ANRP 0165 20

Standard order example according to catalog sheet. Add options applying options table contents.


OPTIONS


P PINS

P - Ø16 H7.



G GAS SPRING



 Gas spring included in de cam



Order Options: Model (W) (α)-Option


ANRP 0165 20-G

ANRP 0165 20-G-P

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring



COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

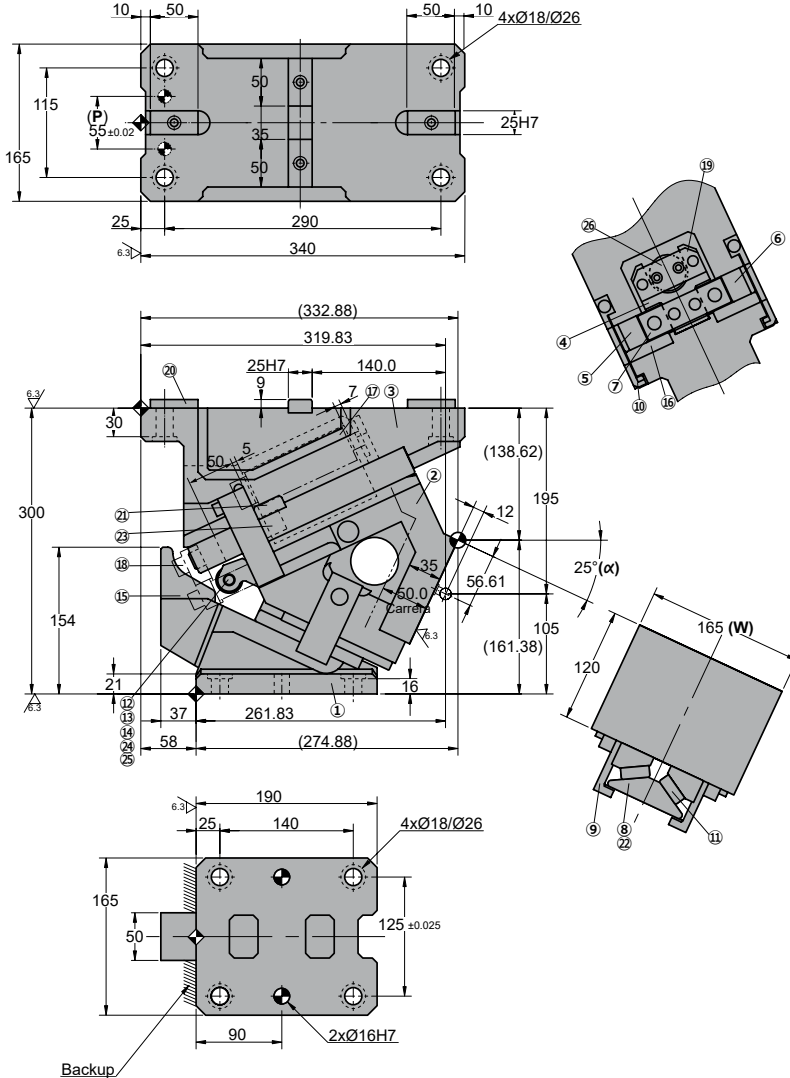
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178
㉖	Gas Spring	1	APFA 250 063

ANRP 0165

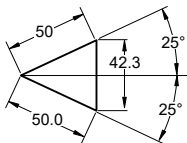
Aerial cam for pierce and flange



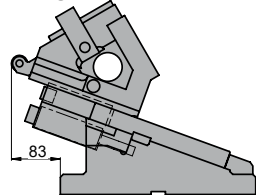
ANRP 0165 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
50.0	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	72.1	ANRP	0165	25
		---	3308.1 (337.3)				



Order: Model (W) (α)
ANRP 0165 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

Gas spring included in de cam



Order Options: Model (W) (α)-Option



ANRP 0165 25-G

ANRP 0165 25-G-P



SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

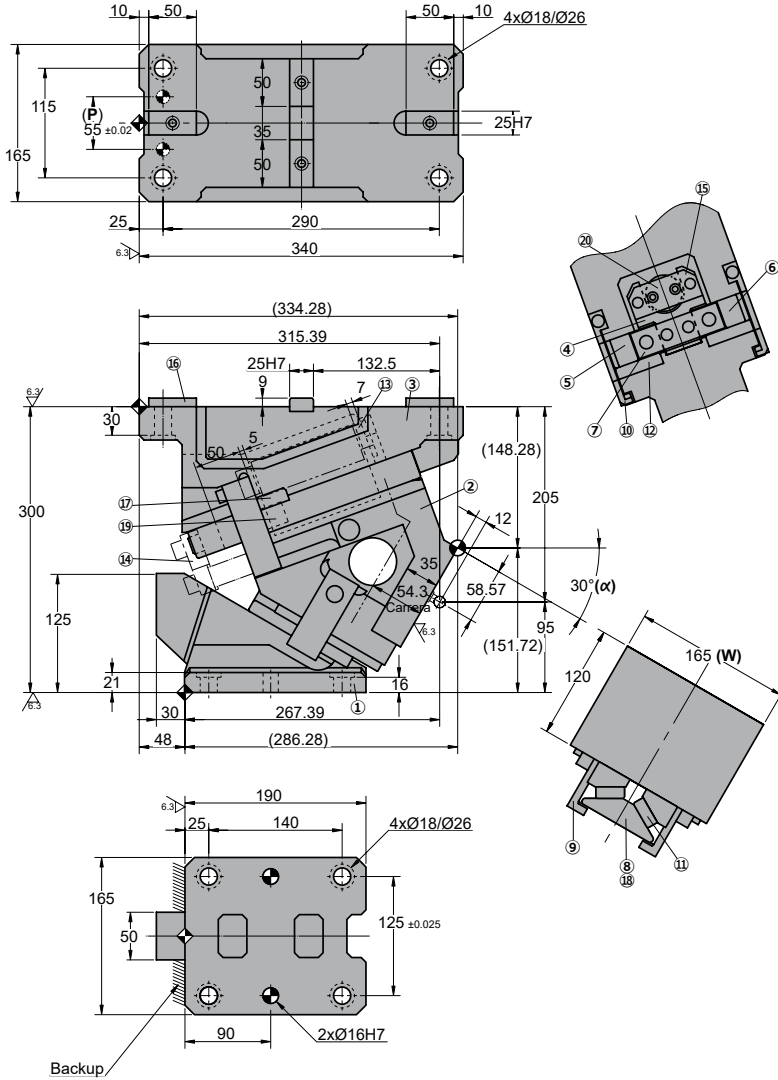
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178
㉗	Gas Spring	1	APFA 250 063

ANRP 0165

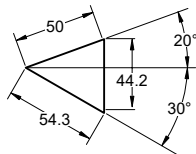
Aerial cam for pierce and flange



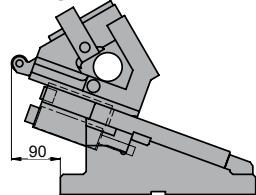
ANRP 0165 30





◦Cam diagram:



◦Desassembling space:



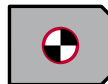
Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
54.3	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	71.9	ANRP	0165	30
		 ---	 3308.1 (337.3)				


Order: Model (W) (α)
ANRP 0165 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.


G GAS SPRING

G

G Gas spring included in de cam

Order Options: Model (W) (α)-Option


ANRP 0165 30-G
ANRP 0165 30-G-P


SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

㉑	Gas Spring	1	APFA 250 063
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ANRP 0165

Aerial cam for pierce and flange



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
59.0	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	72.2	ANRP	0165	35
		---	3308.1 (337.3)				



Order: Model (W) (α)
ANRP 0165 35

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

	<p>P PINS</p> <p>P - Ø16 H7.</p> 
	<p>G GAS SPRING</p> <p>G Gas spring included in de cam</p> 

Order Options: Model (W) (α)-Option



ANRP 0165 35-G
ANRP 0165 35-G-P



SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

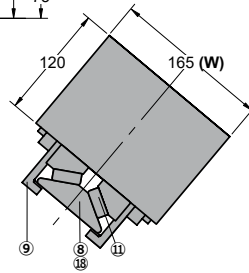
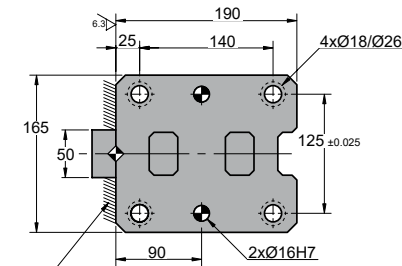
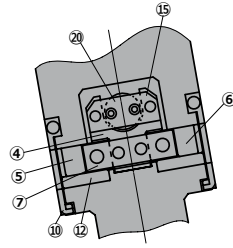
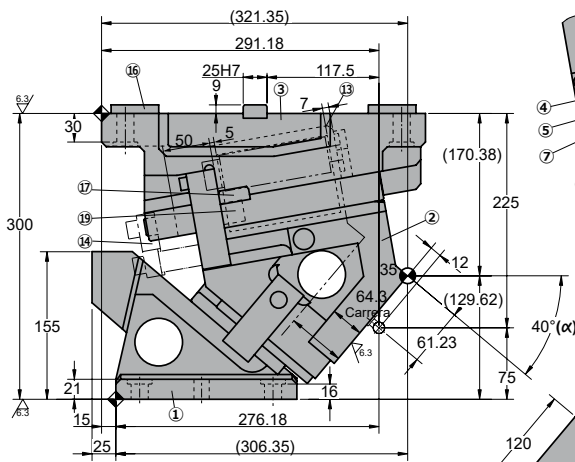
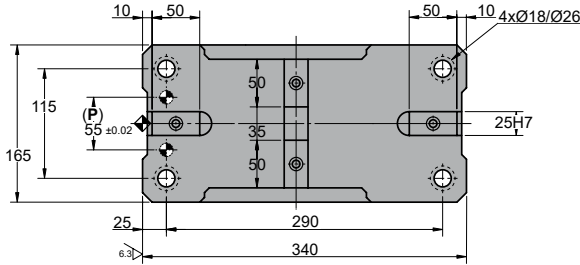
㉑	Gas Spring	1	APFA 250 063
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ANRP 0165

Aerial cam for pierce and flange

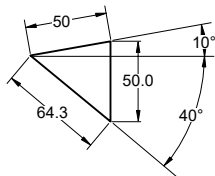


ANRP 0165 40

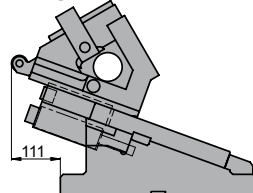


Backup

Cam diagram:



Desassembling space:





ANRP 0165

Aerial cam for pierce and flange



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
64.3	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	72.4	ANRP	0165	40
		---	3308.1 (337.3)				



Order: **Model (W) (α)**
ANRP 0165 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p> <p>P - Ø16 H7.</p> 
	<p>G GAS SPRING</p> <p>G Gas spring included in de cam</p> 

Order Options: Model (W) (α)-Option



ANRP 0165 40-G
ANRP 0165 40-G-P



SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

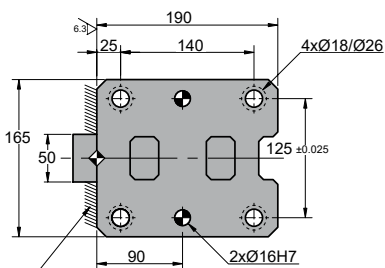
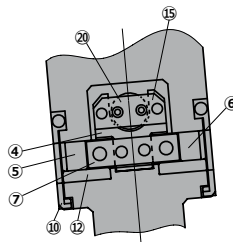
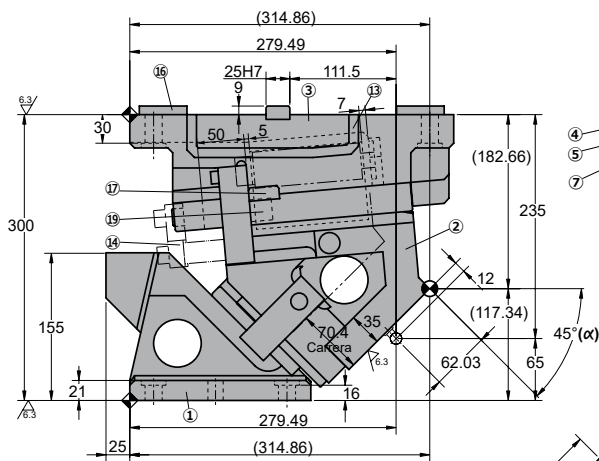
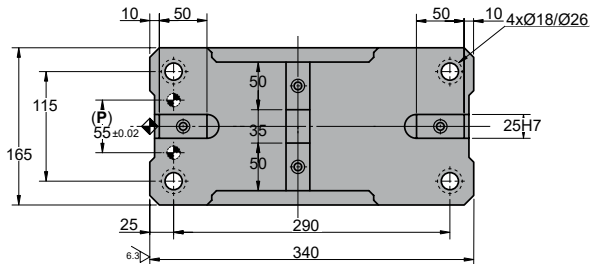
㉑	Gas Spring	1	APFA 250 063
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ANRP 0165

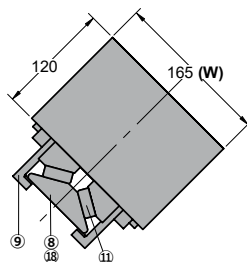
Aerial cam for pierce and flange



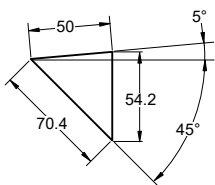
ANRP 0165 45



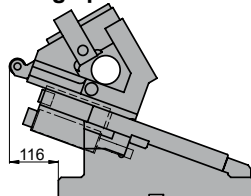
Backup





Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
70.4	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	65.5	ANRP	0165	45
		 ---	 3308.1 (337.3)				



Order: Model (W) (α)


ANRP 0165 45

Standard order example according to catalog sheet.
Add options applying options table contents.


OPTIONS

P PINS



P - Ø16 H7.



G GAS SPRING

 **G** Gas spring included in de cam

Order Options: Model (W) (α)-Option


 

ANRP 0165 45-G

ANRP 0165 45-G-P

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring



COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

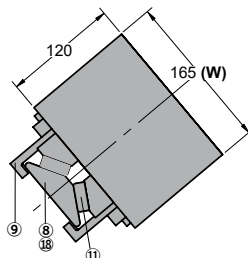
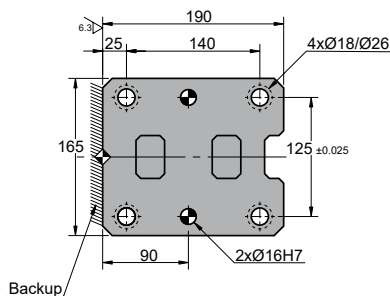
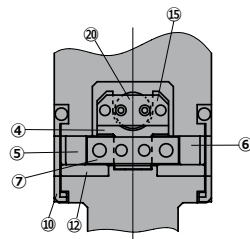
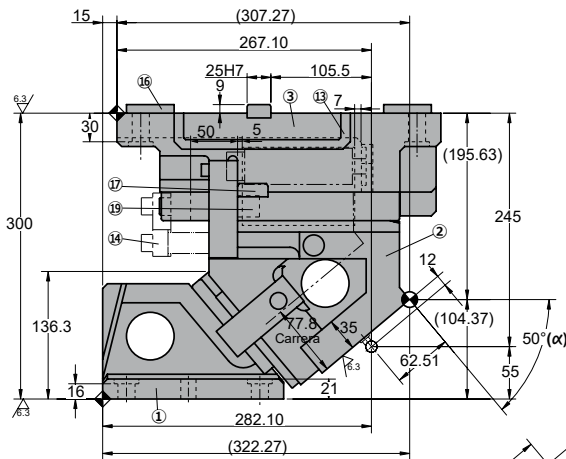
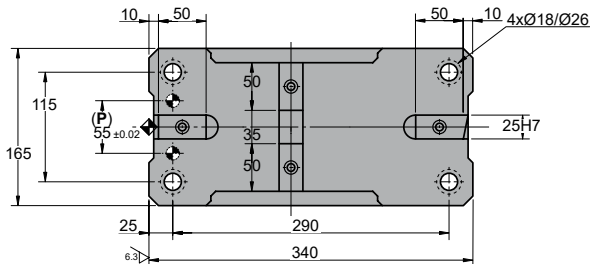
No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178
㉑	Gas Spring	1	APFA 250 063

ANRP 0165

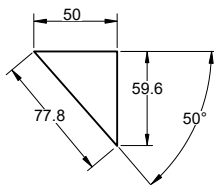
Aerial cam for pierce and flange



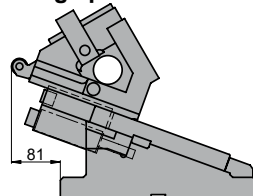
ANRP 0165 50





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.8	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	64.3	ANRP	0165	50
		 ---	 3308.1 (337.3)				



Order: Model (W) (α)


ANRP 0165 50

Standard order example according to catalog sheet.
Add options applying options table contents.


OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

 **G** Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0165 50-G

ANRP 0165 50-G-P

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

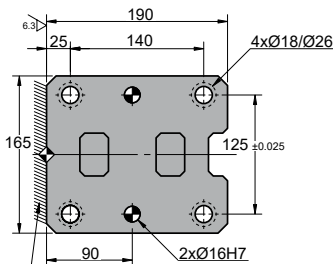
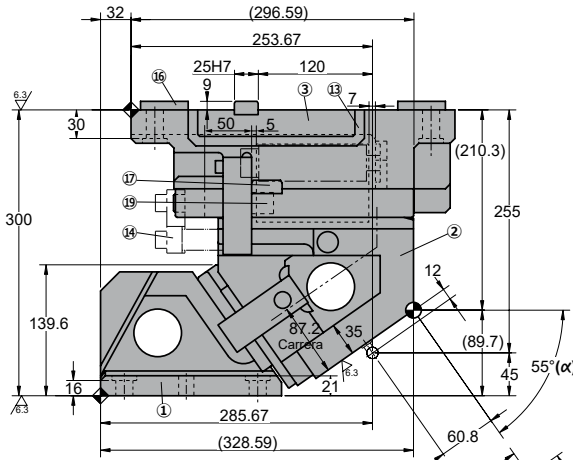
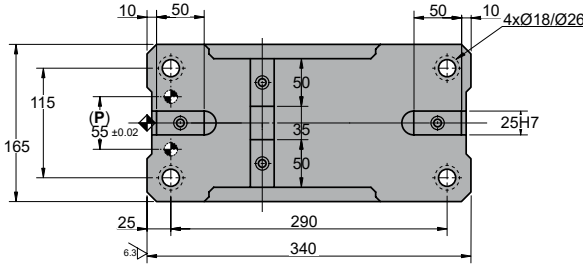
No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178
㉑	Gas Spring	1	APFA 250 063

ANRP 0165

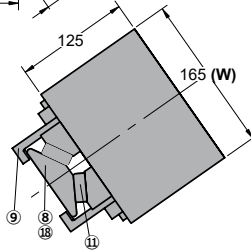
Aerial cam for pierce and flange



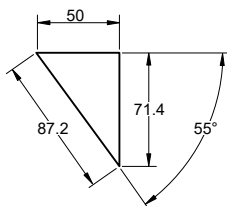
ANRP 0165 55



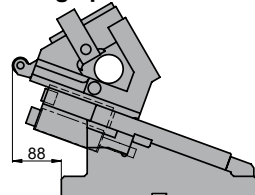
Backup





Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
87.2	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	65.2	ANRP	0165	55
		 ---	 3308.1 (337.3)				



Order: Model (W) (α)

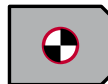
ANRP 0165 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0165 55-G

ANRP 0165 55-G-P



SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

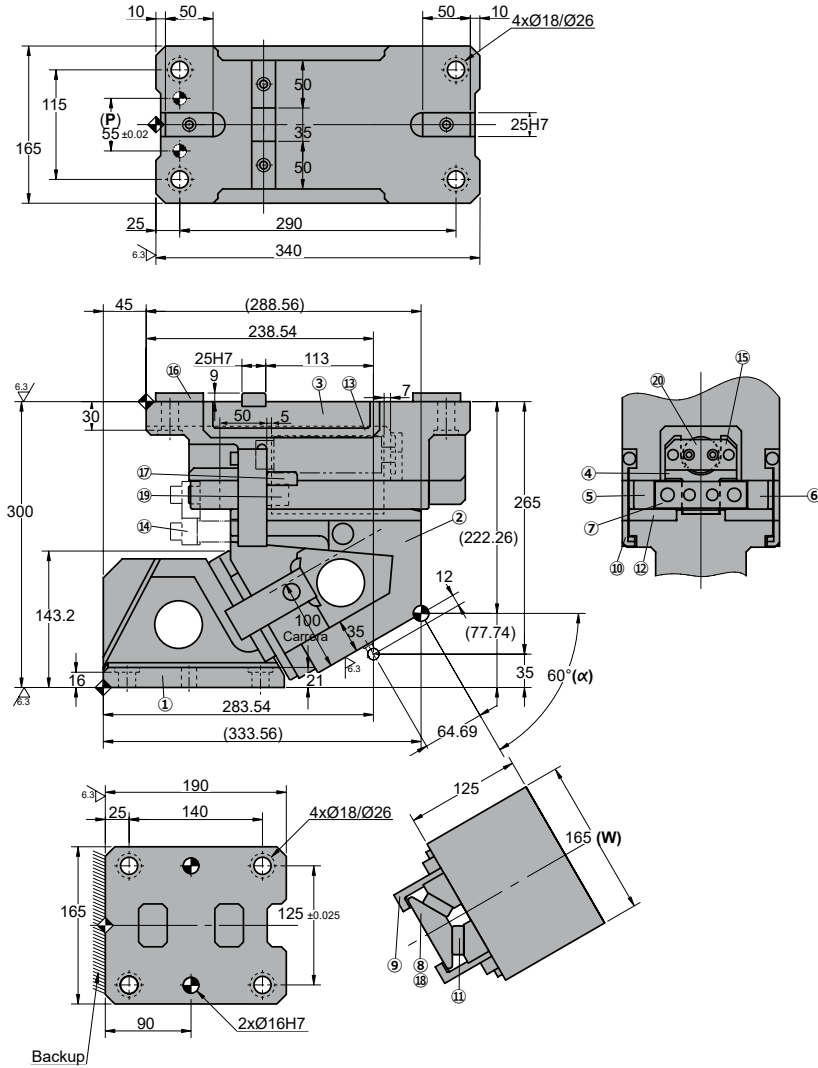
㉑	Gas Spring	1	APFA 250 063
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ANRP 0165

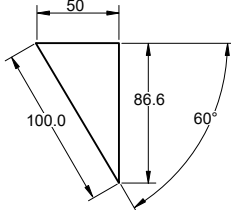
Aerial cam for pierce and flange



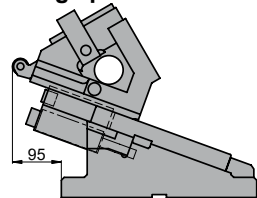
ANRP 0165 60





Cam diagram:



Desassembling space:



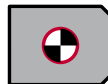
Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
100.0	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	66.6	ANRP	0165	60
		 ---	 3308.1 (337.3)				


Order: Model (W) (α)
ANRP 0165 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.


G GAS SPRING

G

G Gas spring included in de cam

Order Options: Model (W) (α)-Option


ANRP 0165 60-G
ANRP 0165 60-G-P


SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

㉑	Gas Spring	1	APFA 250 063
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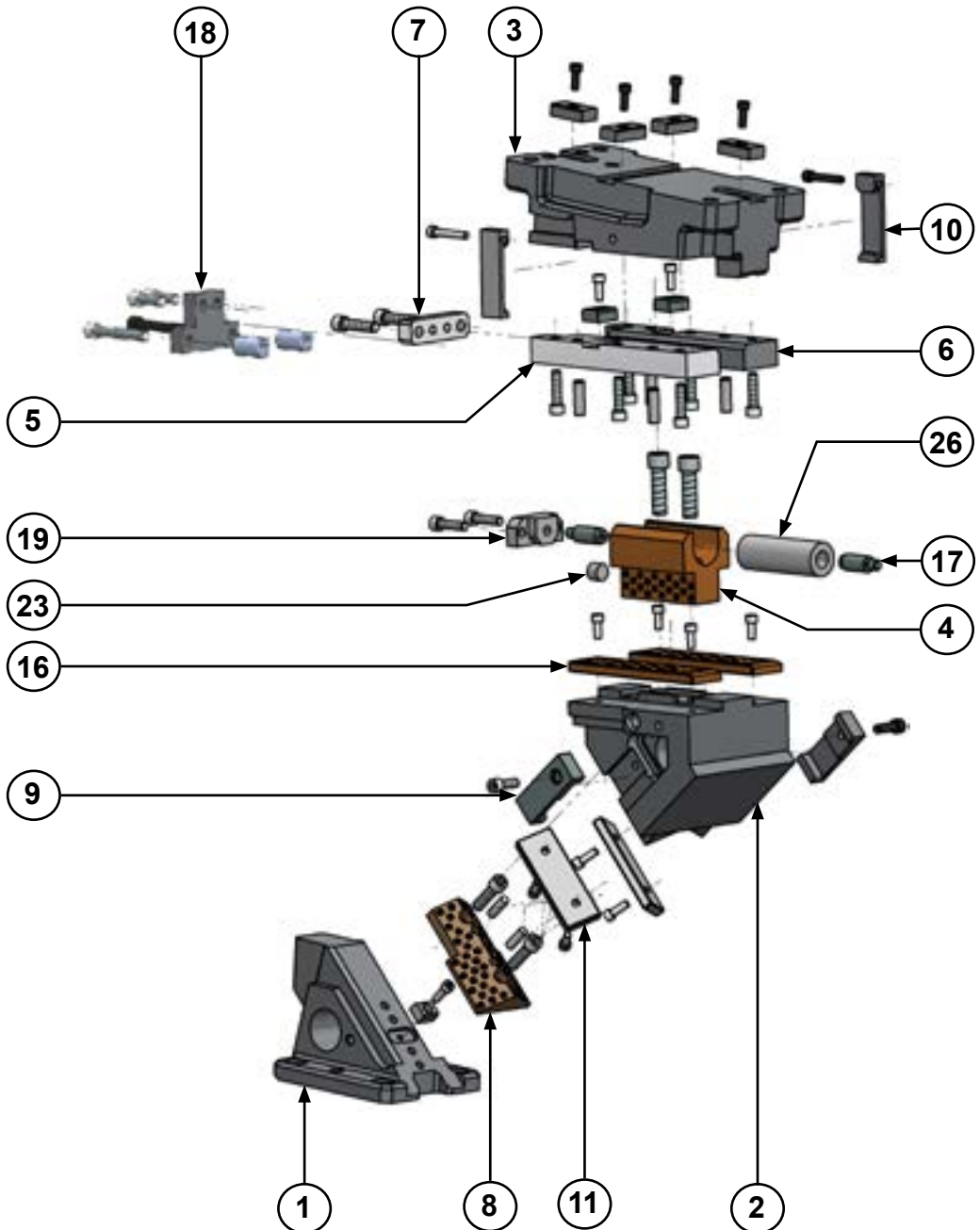
ANRP 0165



Aerial cam for pierce and flange

ANRP 0200

Aerial cam for pierce and flange

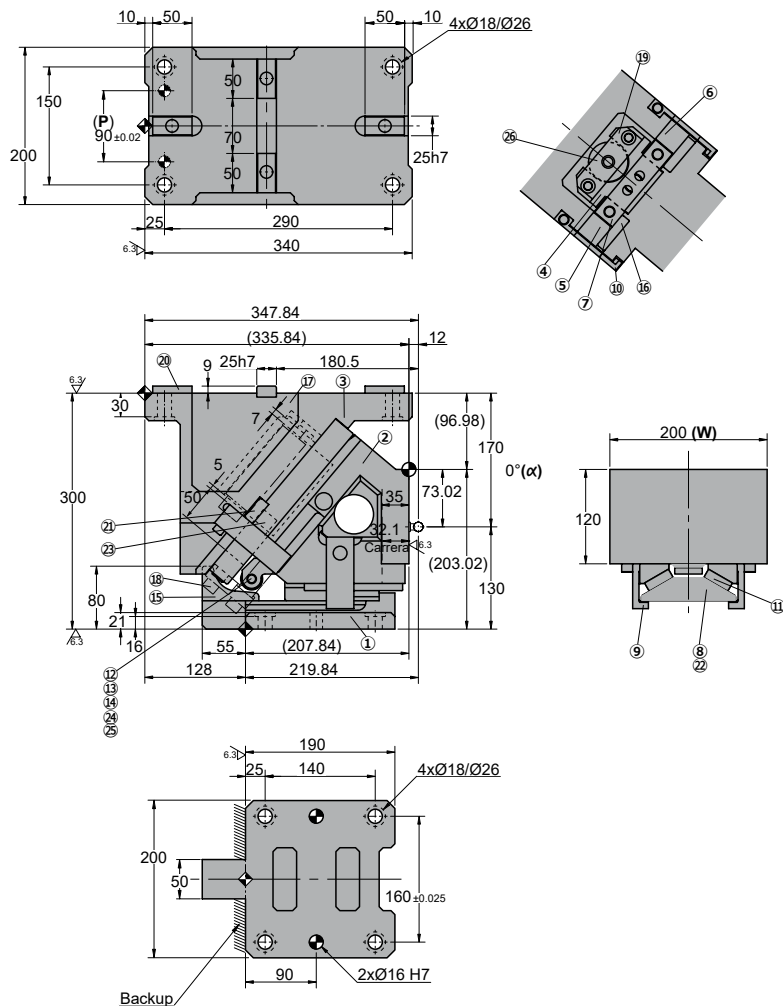


ANRP 0200

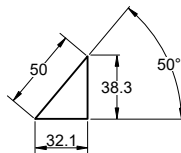
Aerial cam for pierce and flange



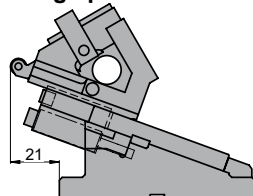
ANRP 0200 00





◦Cam diagram:



◦Desassembling space:



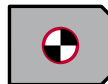
Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
32.1	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	90.3	ANRP	0200	00
		 ---	 5956.6 (607.4)				


Order: Model (W) (α)
ANRP 0200 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.


G GAS SPRING

G

G Gas spring included in de cam
Order Options: Model (W) (α)-Option

ANRP 0200 00-P
ANRP 0200 00-G-P


SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

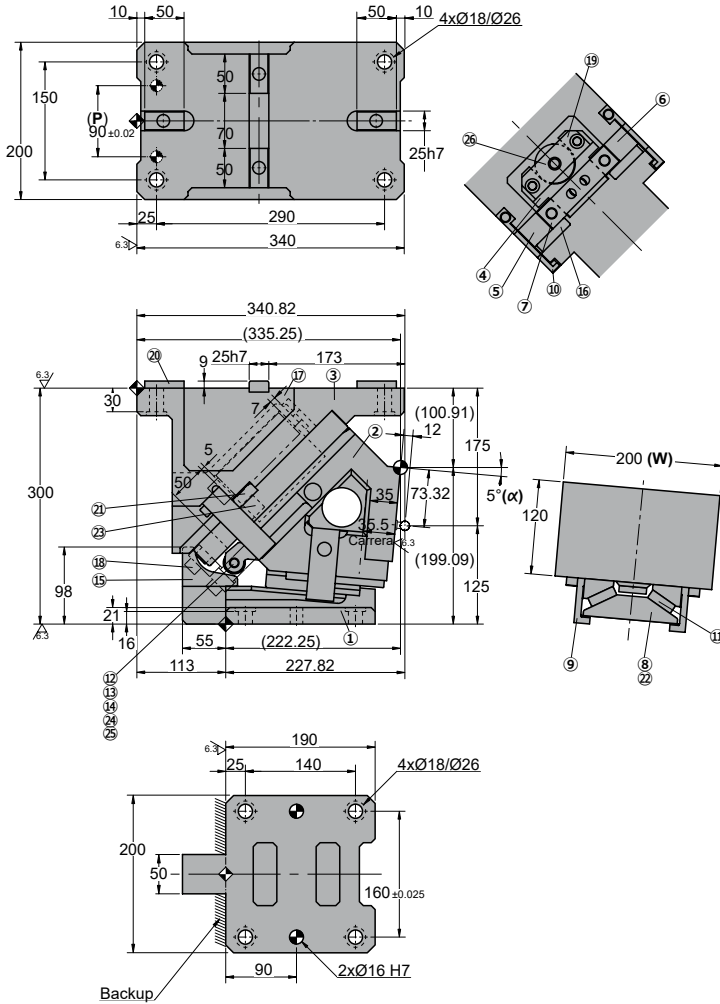
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178
㉗	Gas Spring	1	FD 500 063

ANRP 0200

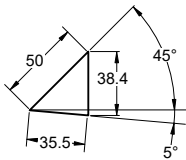
Aerial cam for pierce and flange



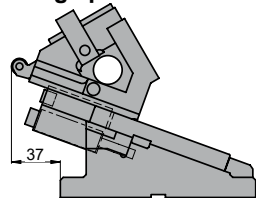
ANRP 0200 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
35.5	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	88.0	ANRP	0200	05
		---	5956.6 (607.4)				



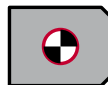
Order: Model (W) (α)
ANRP 0200 05

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

Gas spring included in de cam



Order Options: Model (W) (α)-Option



ANRP 0200 05-P

ANRP 0200 05-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

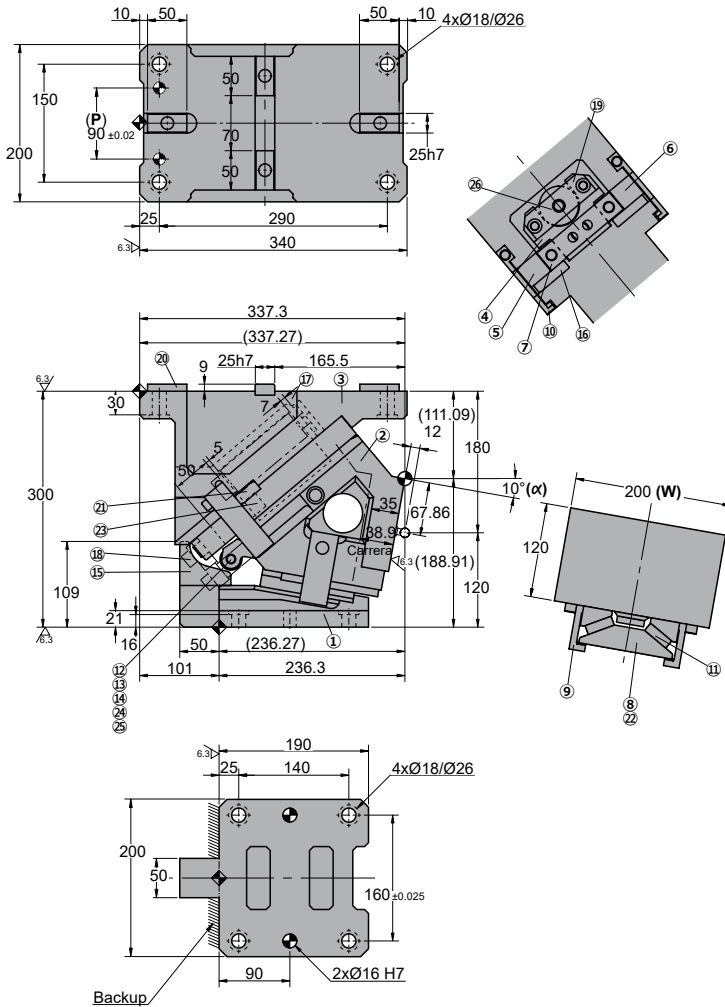
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178
㉗	Gas Spring	1	FD 500 063

ANRP 0200

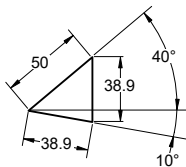
Aerial cam for pierce and flange



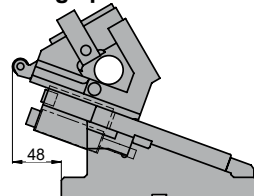
ANRP 0200 10



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.9	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	87.5	ANRP	0200	10
		---	5956.6 (607.4)				



Order: Model (W) (α)
ANRP 0200 10

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

Gas spring included in de cam



Order Options: Model (W) (α)-Option



ANRP 0200 10-P

ANRP 0200 10-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑩ Slider Plate B
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

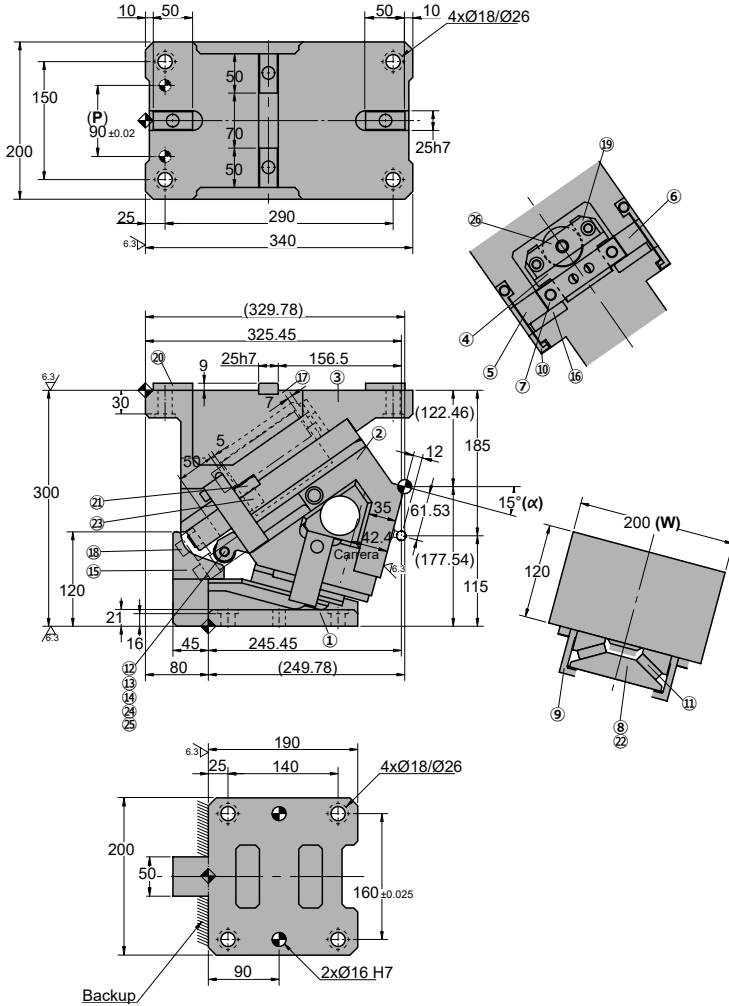
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178
㉗	Gas Spring	1	FD 500 063

ANRP 0200

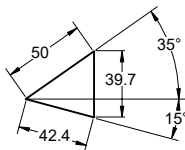
Aerial cam for pierce and flange



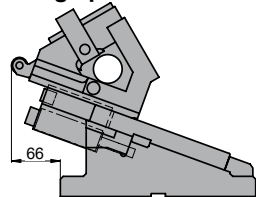
ANRP 0200 15



◦Cam diagram:



◦Desassembling space:





ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
42.4	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	87.0	ANRP	0200	15
		---	5956.6 (607.4)				



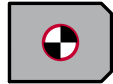
Order: Model (W) (α)
ANRP 0200 15

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0200 15-P

ANRP 0200 15-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

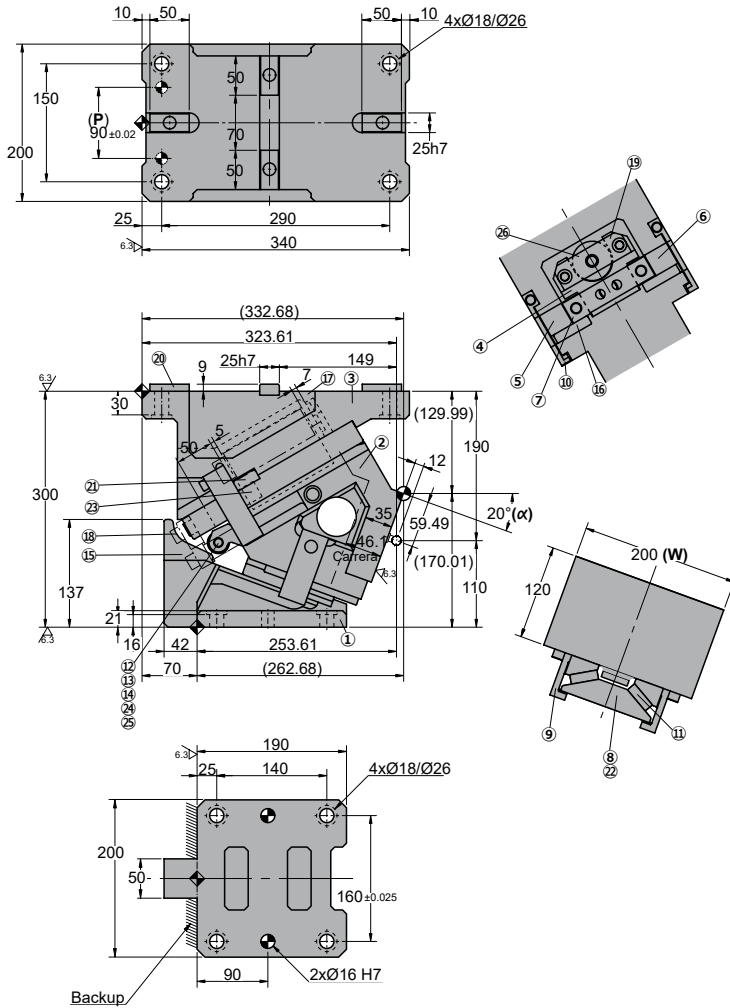
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178
㉗	Gas Spring	1	FD 500 063

ANRP 0200

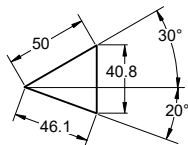
Aerial cam for pierce and flange



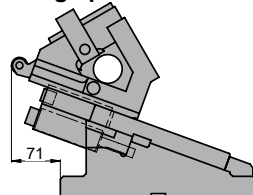
ANRP 0200 20



◦Cam diagram:





◦Desassembling space:





ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.1	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	85.8	ANRP	0200	20
		 ---	 5956.6 (607.4)				




Order: Model (W) (α)
ANRP 0200 20

Standard order example according to catalog sheet.
 Add options applying options table contents.


OPTIONS


P PINS

P - Ø16 H7.



G GAS SPRING

 Gas spring included in de cam



Order Options: Model (W) (α)-Option

ANRP 0200 20-P

ANRP 0200 20-G-P

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

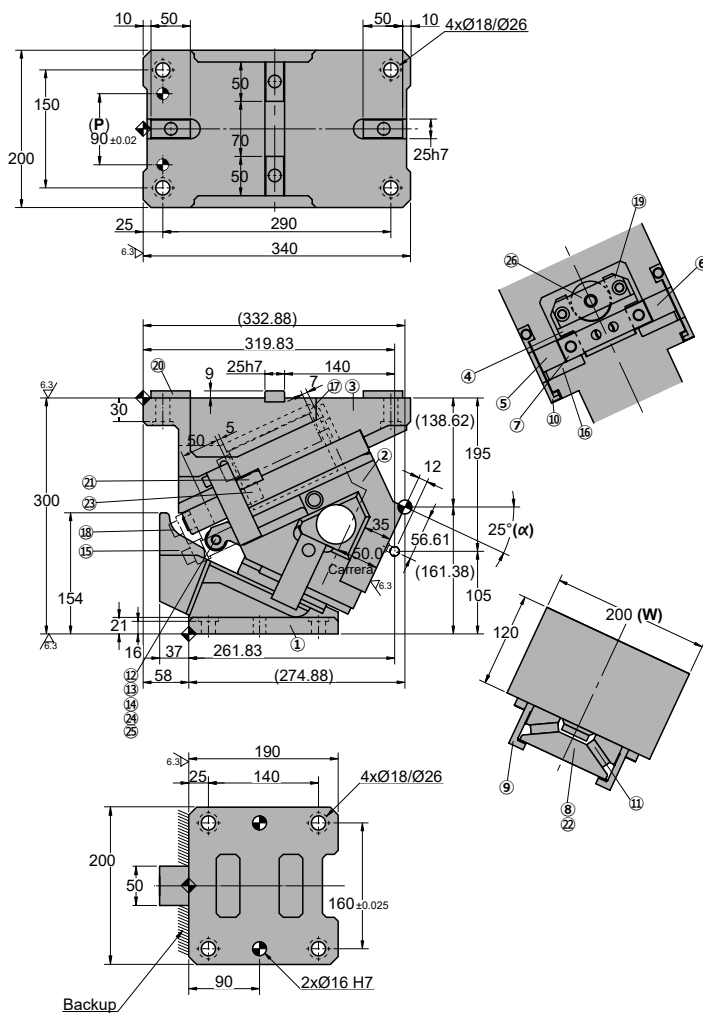
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178
㉗	Gas Spring	1	FD 500 063

ANRP 0200

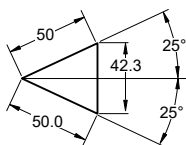
Aerial cam for pierce and flange



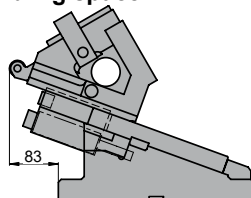
ANRP 0200 25



◦Cam diagram:



◦Desassembling space:





ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
50.0	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	86.2	ANRP	0200	25
		---	5956.6 (607.4)				




Order: Model (W) (α)
ANRP 0200 25

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS


P PINS

P - Ø16 H7.



G GAS SPRING



Gas spring included in de cam



Order Options: Model (W) (α)-Option


ANRP 0200 25-P

ANRP 0200 25-G-P

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ⑳ Coil Spring



COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

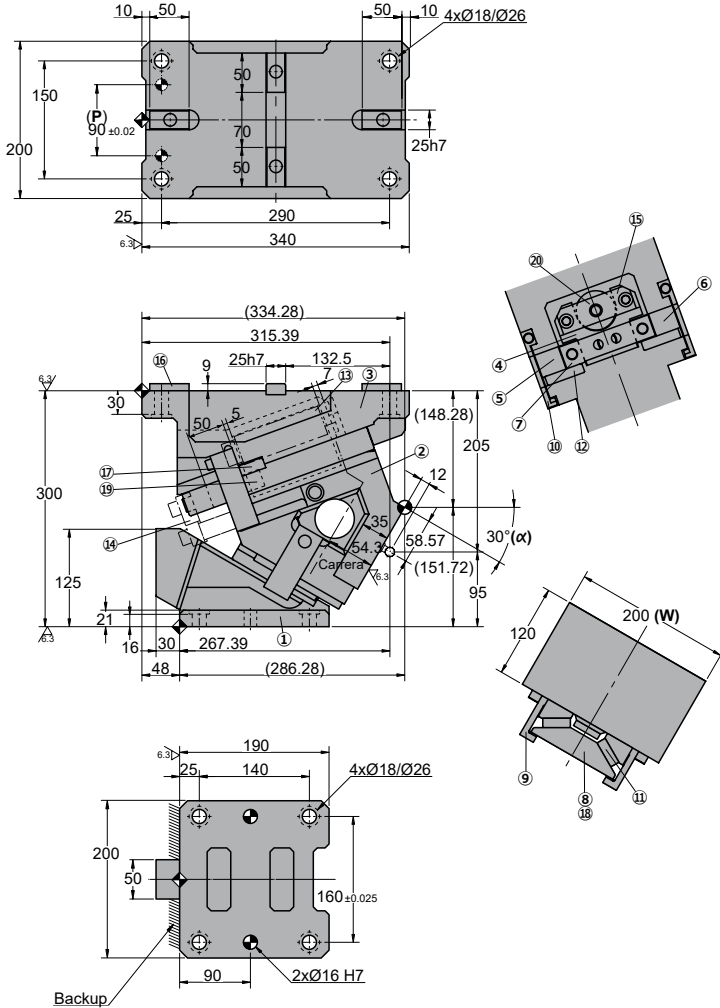
No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178
㉗	Gas Spring	1	FD 500 063

ANRP 0200

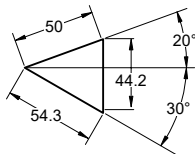
Aerial cam for pierce and flange



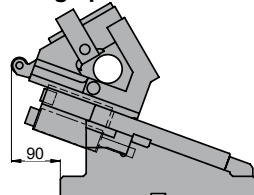
ANRP 0200 30



◦Cam diagram:





◦Desassembling space:





ANRP 0200

Aerial cam for pierce and flange



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
54.3	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	85.6	ANRP	0200	30
		 ---	 5956.6 (607.4)				



Order: Model (W) (α)
ANRP 0200 30

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

	<p>P PINS</p> <p>P - Ø16 H7.</p> 
	<p>G GAS SPRING</p> <p>G Gas spring included in de cam</p> 

Order Options: Model (W) (α)-Option



ANRP 0200 30-P
ANRP 0200 30-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

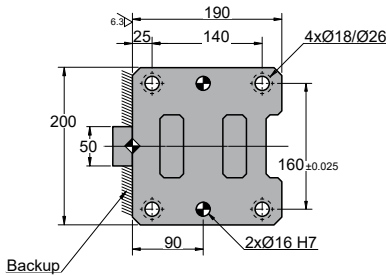
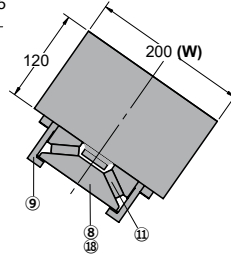
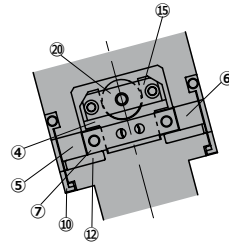
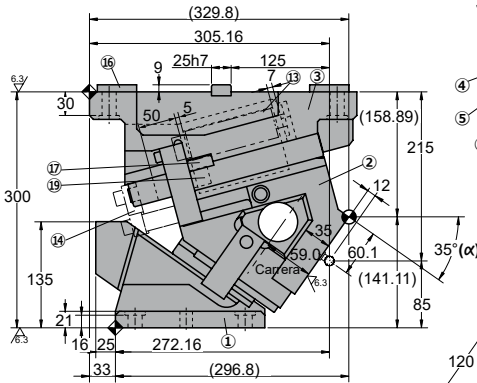
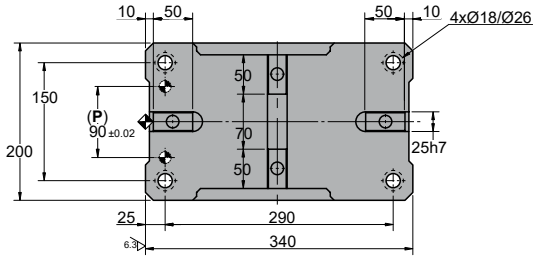
No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178
㉑	Gas Spring	1	FD 500 063

ANRP 0200

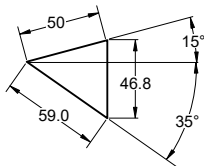
Aerial cam for pierce and flange



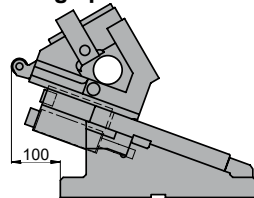
ANRP 0200 35



◦Cam diagram:





◦Desassembling space:





ANRP 0200

Aerial cam for pierce and flange




Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
59.0	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	86.2	ANRP	0200	35
		 ---	 5956.6 (607.4)				



Order: Model (W) (α)
ANRP 0200 35

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

	<p>P PINS</p> <p>P - Ø16 H7.</p> 
	<p>G GAS SPRING</p> <p> Gas spring included in de cam</p> 

Order Options: Model (W) (α)-Option



ANRP 0200 35-P
ANRP 0200 35-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

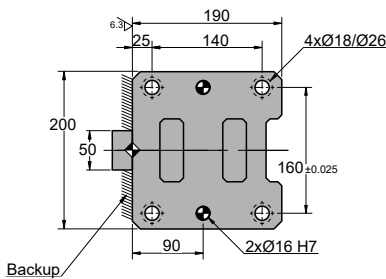
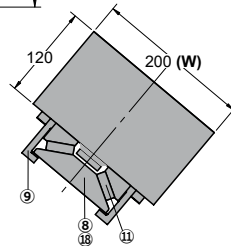
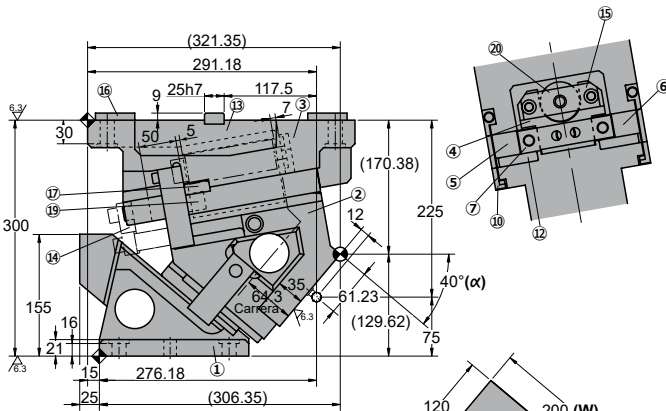
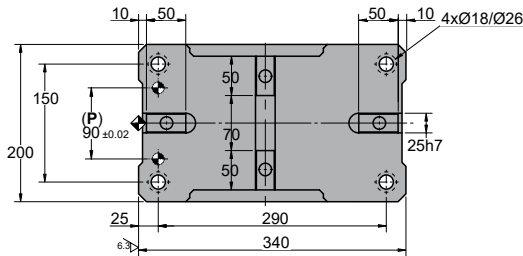
No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178
㉑	Gas Spring	1	FD 500 063

ANRP 0200

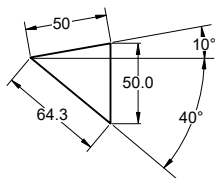
Aerial cam for pierce and flange



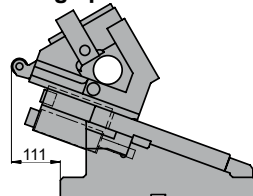
ANRP 0200 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
64.3	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	86.6	ANRP	0200	40
		---	5956.6 (607.4)				



Order: Model (W) (α)

ANRP 0200 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

Gas spring included in de cam



Order Options: Model (W) (α)-Option



ANRP 0200 40-P

ANRP 0200 40-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

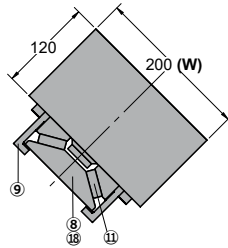
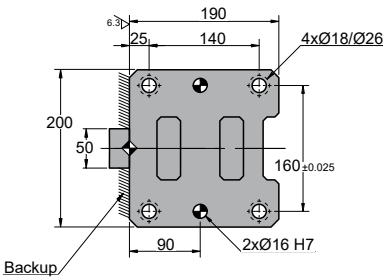
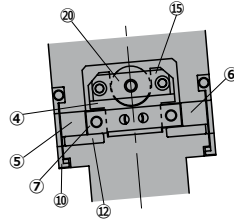
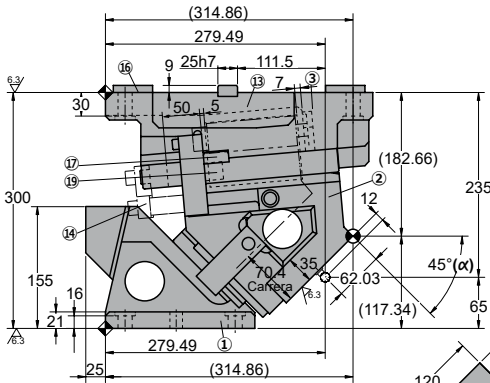
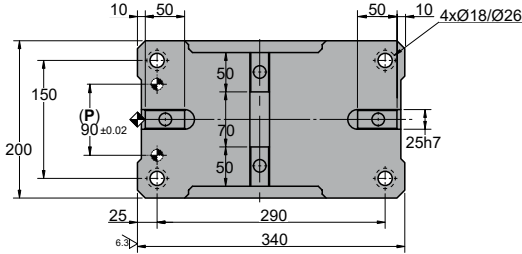
㉑	Gas Spring	1	FD 500 063
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ANRP 0200

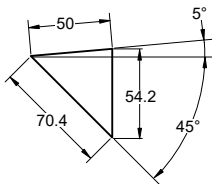
Aerial cam for pierce and flange



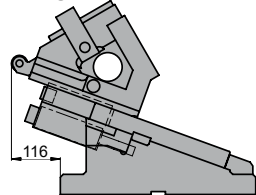
ANRP 0200 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
70.4	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	88.0	ANRP	0200	45
		---	5956.6 (607.4)				



Order: Model (W) (α)

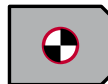
ANRP 0200 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

Gas spring included in de cam



Order Options: Model (W) (α)-Option



ANRP 0200 45-P

ANRP 0200 45-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

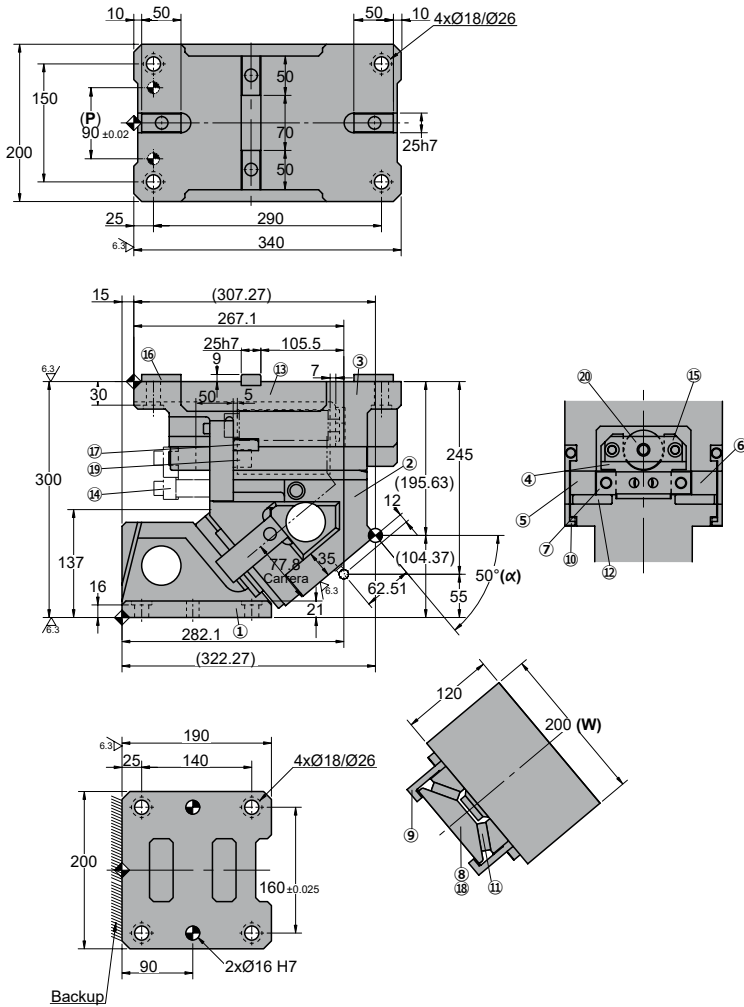
㉑	Gas Spring	1	FD 500 063
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ANRP 0200

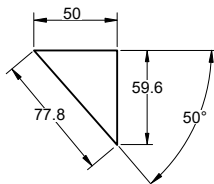
Aerial cam for pierce and flange



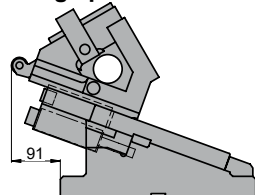
ANRP 0200 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.8	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	78.2	ANRP	0200	50
		---	5956.6 (607.4)				



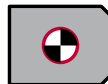
Order: Model (W) (α)
ANRP 0200 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

Gas spring included in de cam



Order Options: Model (W) (α)-Option



ANRP 0200 50-P

ANRP 0200 50-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

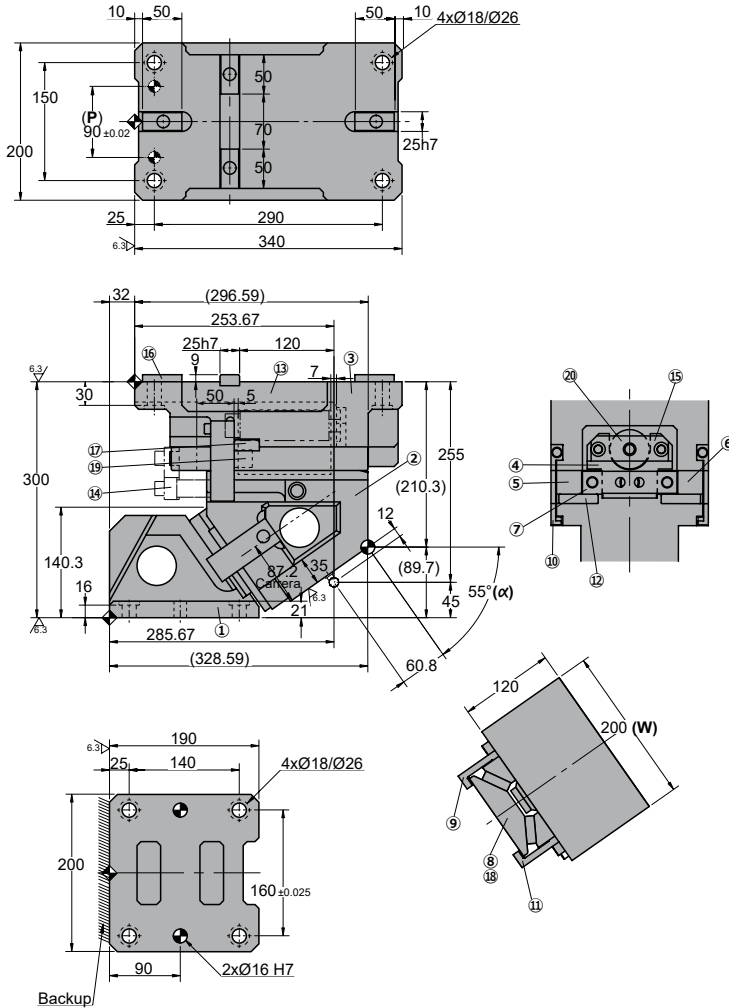
⑳	Gas Spring	1	FD 500 063
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ANRP 0200

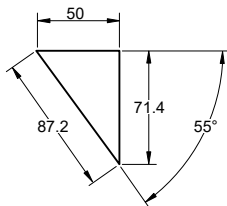
Aerial cam for pierce and flange



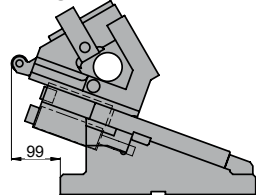
ANRP 0200 55





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
87.2	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	80.5	ANRP	0200	55
		 ---	 5956.6 (607.4)				



Order: Model (W) (α)
ANRP 0200 55

Standard order example according to catalog sheet.
 Add options applying options table contents.


OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

 Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0200 55-P

ANRP 0200 55-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

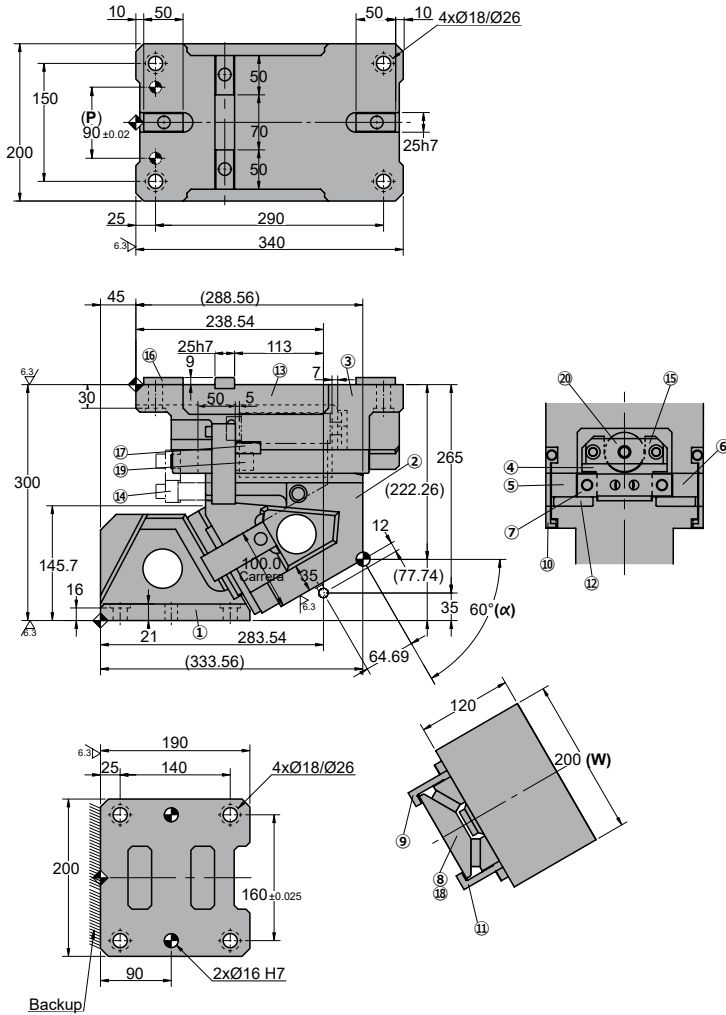
㉑	Gas Spring	1	FD 500 063
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ANRP 0200

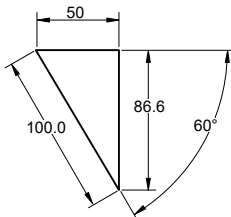
Aerial cam for pierce and flange



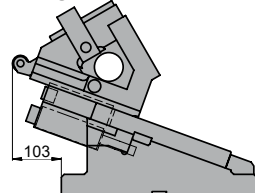
ANRP 0200 60



◦Cam diagram:



◦Desassembling space:





ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
100.0	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	82.4	ANRP	0200	60
		---	5956.6 (607.4)				



Order: Model (W) (α)
ANRP 0200 60

Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS

P - Ø16 H7.



G GAS SPRING

G



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0200 60-P

ANRP 0200 60-G-P



SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178
㉑	Gas Spring	1	FD 500 063

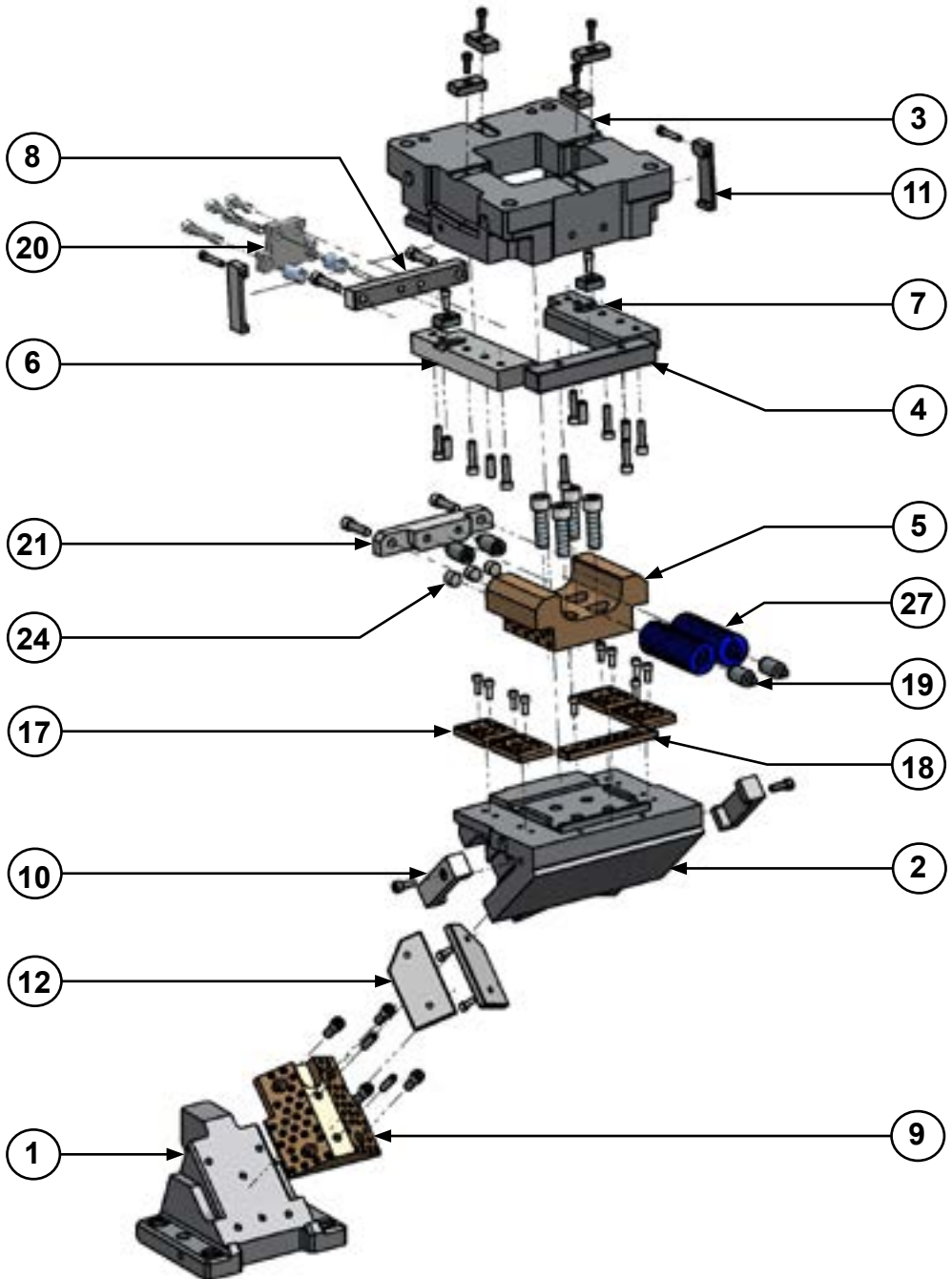
ANRP 0200



Aerial cam for pierce and flange

ANRP 0300-0400

Aerial cam for pierce and flange

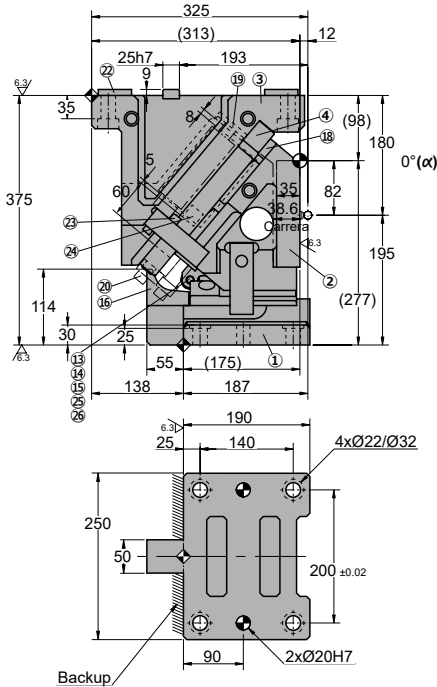
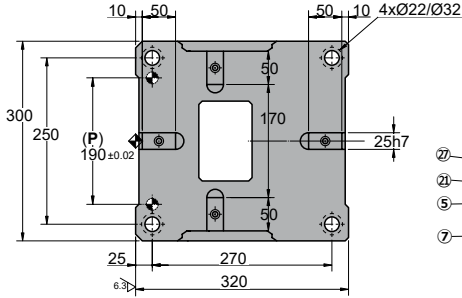


ANRP 0300-0400

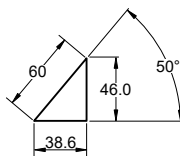
Aerial cam for pierce and flange



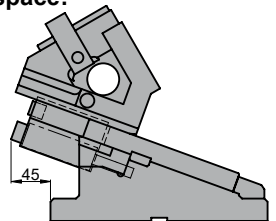
ANRP 0300 00
ANRP 0400 00





◦Cam diagram:



◦Desassembling space:



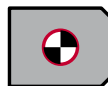
Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
38.6	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	153.2	160.2	ANRP	0300 0400	00
		 ---	 11783.9 (1201.6)					


Order: Model (W) (α)
ANRP 0300 00

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
 P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0300 00-P
ANRP 0300 00-G-P


SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

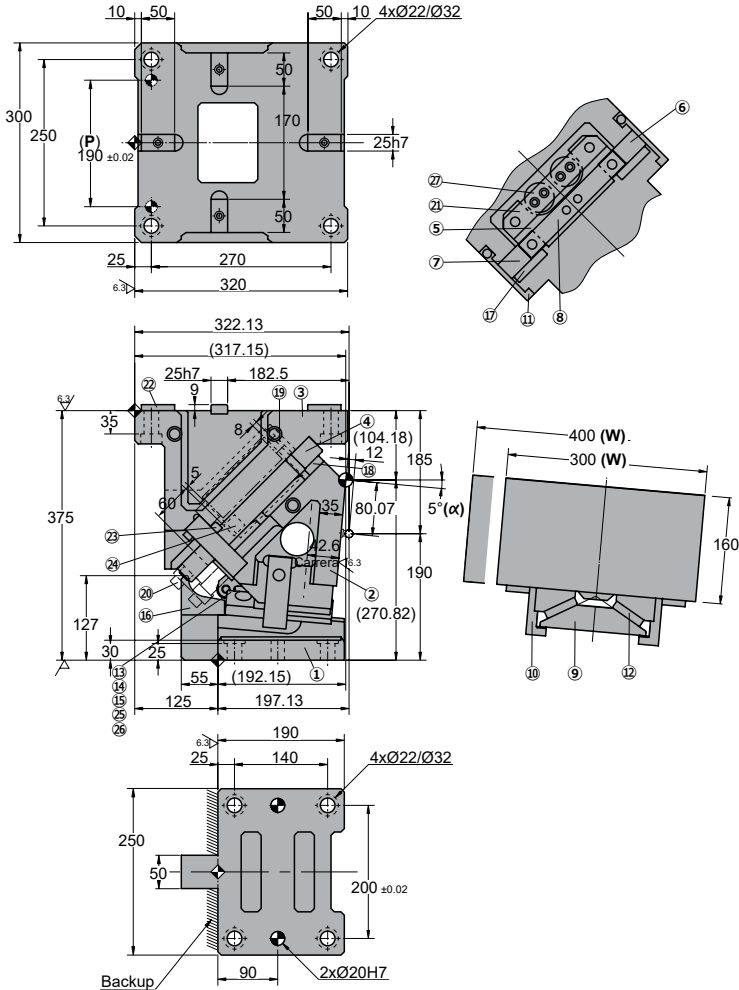
㉗	Gas Spring	2	FD 500 80
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ANRP 0300-0400

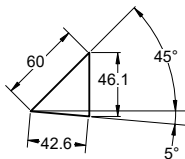
Aerial cam for pierce and flange



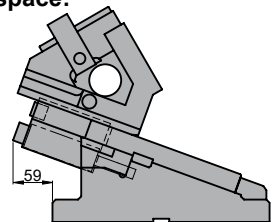
ANRP 0300 05
ANRP 0400 05





◦Cam diagram:



◦Desassembling space:



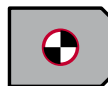
Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
42.6	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	152.5	159.5	ANRP	0300 0400	05
		 ---	 11783.9 (1201.6)					


Order: Model (W) (α)
ANRP 0300 05

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
 P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0300 05-P
ANRP 0300 05-G-P


SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

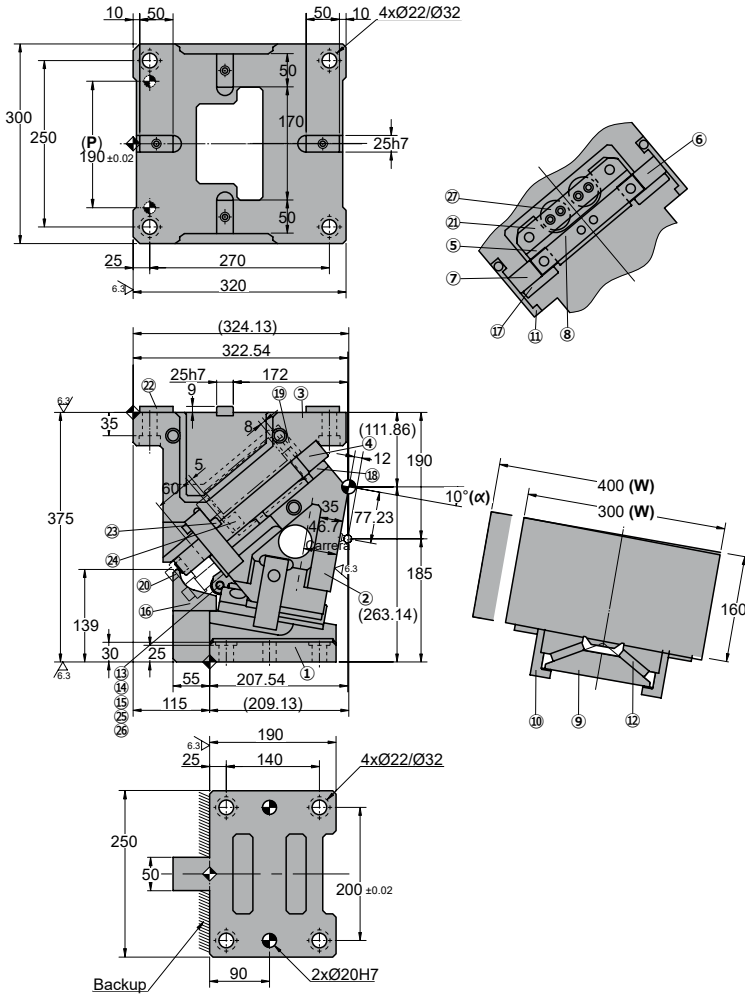
㉗	Gas Spring	2	FD 500 80
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ANRP 0300-0400

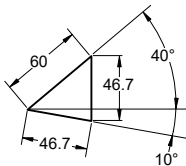


Aerial cam for pierce and flange

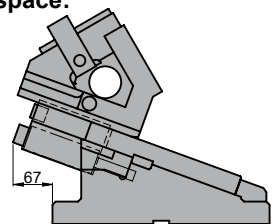
ANRP 0300 10
ANRP 0400 10





◦Cam diagram:



◦Desassembling space:



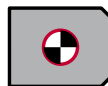
Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
46.7	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	151.4	158.4	ANRP	0300 0400	10
		 ---	 11783.9 (1201.6)					


Order: Model (W) (α)
ANRP 0300 10

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
 P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0300 10-P
ANRP 0300 10-G-P


SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

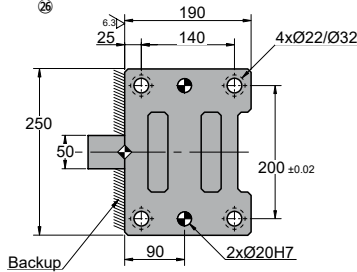
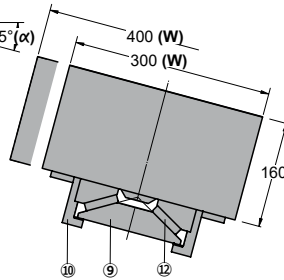
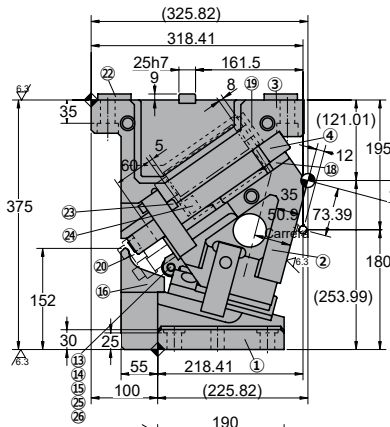
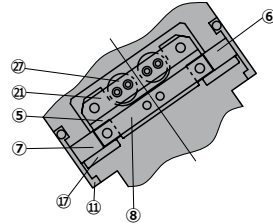
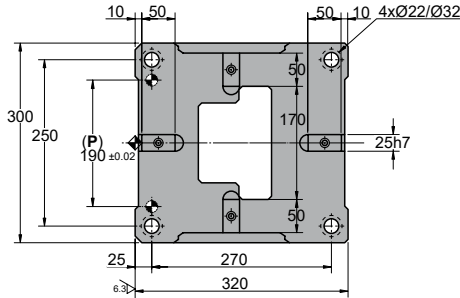
㉗	Gas Spring	2	FD 500 80
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ANRP 0300-0400

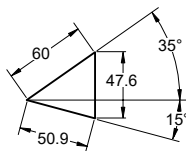
Aerial cam for pierce and flange



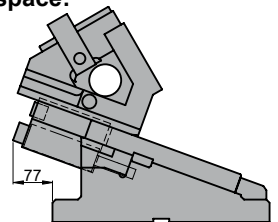
ANRP 0300 15
ANRP 0400 15





◦Cam diagram:



◦Desassembling space:



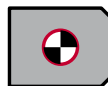
Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
50.9	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	154.1	161.1	ANRP	0300 0400	15
		 ---	 11783.9 (1201.6)					


Order: Model (W) (α)
ANRP 0300 15

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
 P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0300 15-P
ANRP 0300 15-G-P


SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

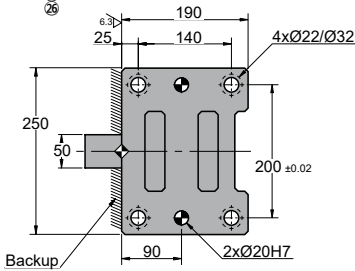
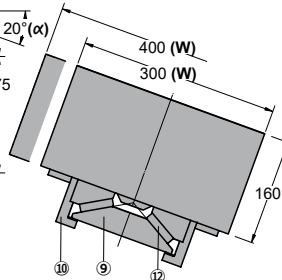
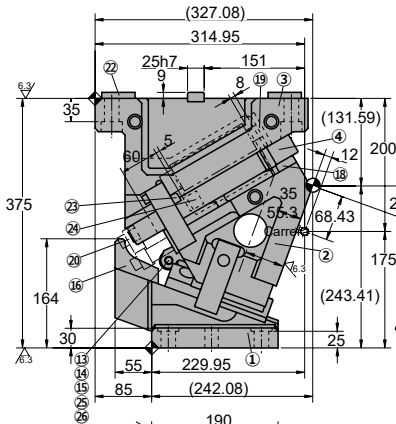
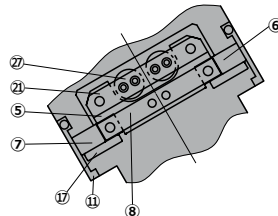
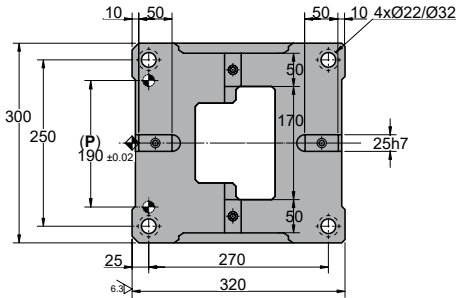
㉗	Gas Spring	2	FD 500 80
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ANRP 0300-0400

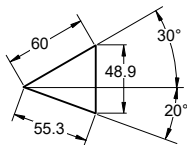
Aerial cam for pierce and flange



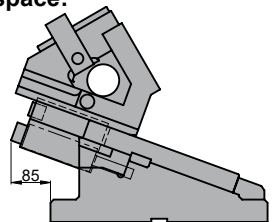
ANRP 0300 20
ANRP 0400 20





◦Cam diagram:



◦Desassembling space:



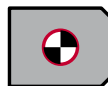
Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
55.3	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	148.2	155.2	ANRP	0300 0400	20
		 ---	 11783.9 (1201.6)					


Order: Model (W) (α)
ANRP 0300 20

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
 P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0300 20-P
ANRP 0300 20-G-P


SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

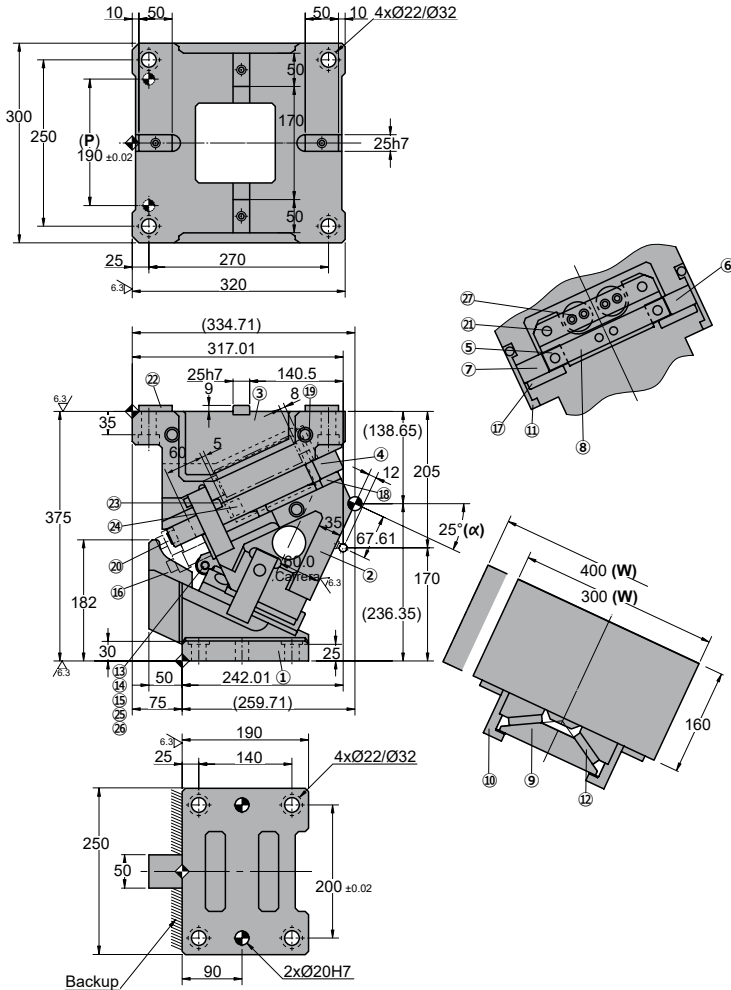
㉗	Gas Spring	2	FD 500 80
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ANRP 0300-0400

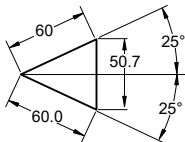
Aerial cam for pierce and flange



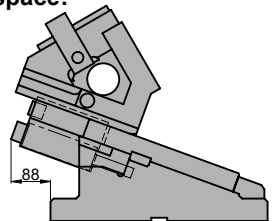
ANRP 0300 25
ANRP 0400 25





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
60.0	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	150.2	157.3	ANRP	0300 0400	25
		 ---	 11783.9 (1201.6)					



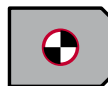
Order: Model (W) (α)

ANRP 0300 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0300 25-P

ANRP 0300 25-G-P



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

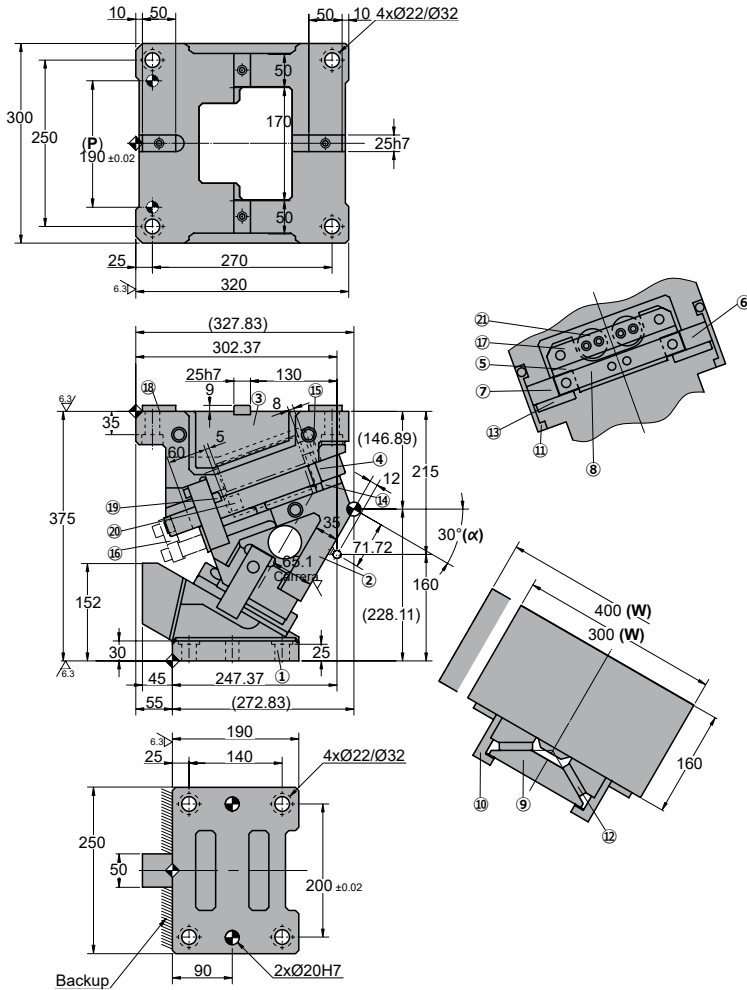
㉗	Gas Spring	2	FD 500 80
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ANRP 0300-0400

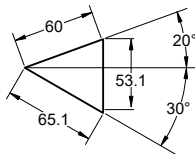


Aerial cam for pierce and flange

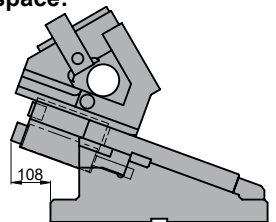
ANRP 0300 30
ANRP 0400 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
65.1	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	147.3	154.3	ANRP	0300 0400	30
		---	11783.9 (1201.6)					



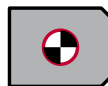
Order: Model (W) (α)

ANRP 0300 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0300 30-P

ANRP 0300 30-G-P



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

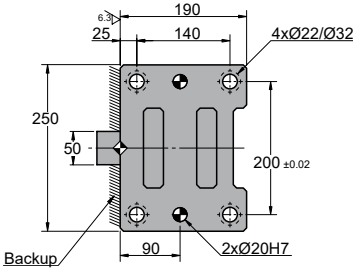
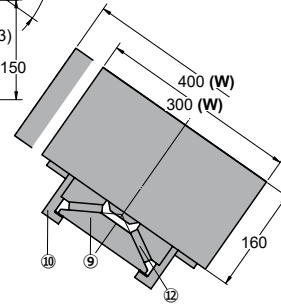
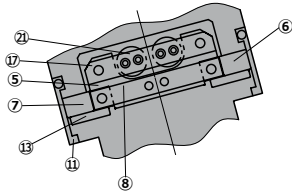
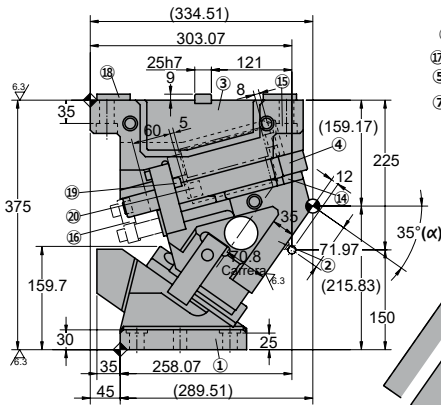
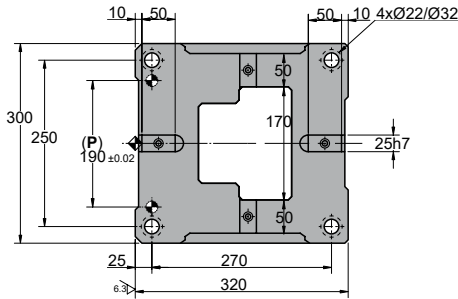
㉒	Gas Spring	2	FD 500 80
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ANRP 0300-0400

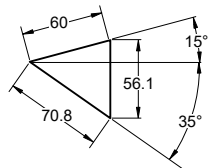
Aerial cam for pierce and flange



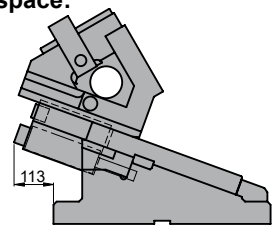
ANRP 0300 35
ANRP 0400 35





◦Cam diagram:



◦Desassembling space:



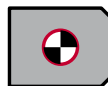
Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
70.8	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	148.0	155.0	ANRP	0300 0400	35
		 ---	 11783.9 (1201.6)					


Order: Model (W) (α)
ANRP 0300 35

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
 P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option

ANRP 0300 35-P
ANRP 0300 35-G-P


SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

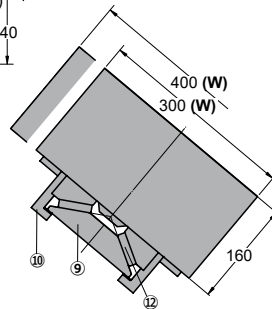
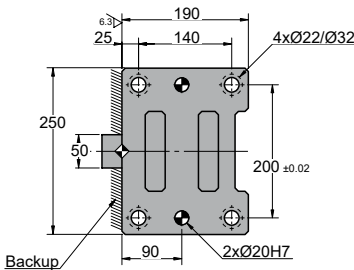
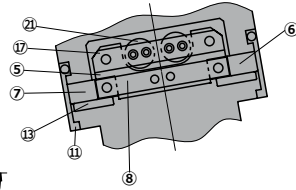
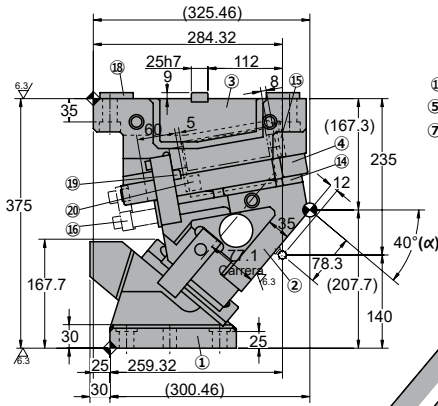
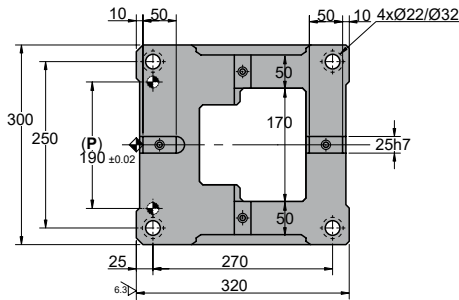
㉒	Gas Spring	2	FD 500 80
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ANRP 0300-0400

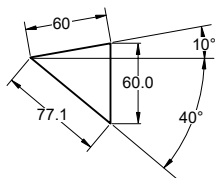
Aerial cam for pierce and flange



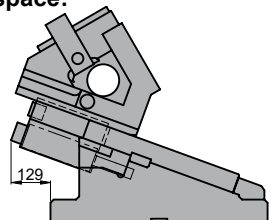
ANRP 0300 40
ANRP 0400 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
77.1	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	146.2	153.3	ANRP	0300 0400	40
		---	11783.9 (1201.6)					



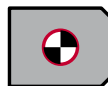
Order: Model (W) (α)

ANRP 0300 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0300 40-P

ANRP 0300 40-G-P



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

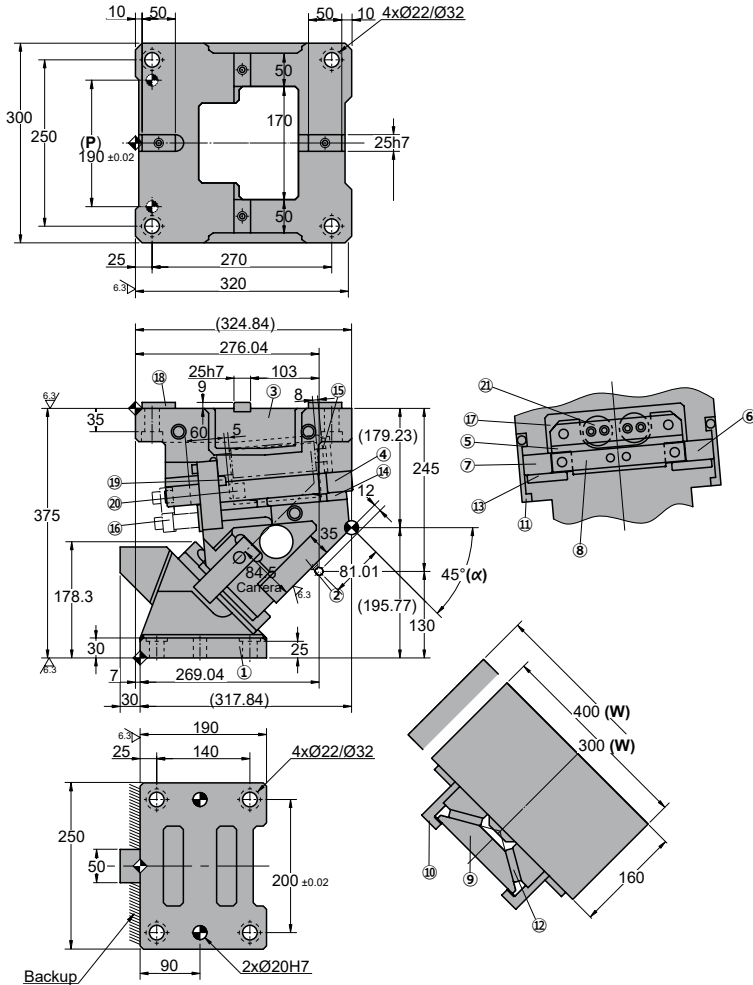
㉒	Gas Spring	2	FD 500 80
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ANRP 0300-0400

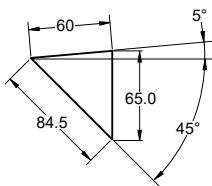
Aerial cam for pierce and flange



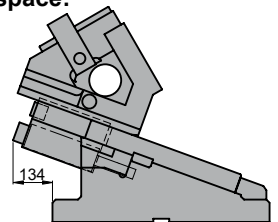
ANRP 0300 45
ANRP 0400 45





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
84.5	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	148.6	155.6	ANRP	0300 0400	45
		 ---	 11783.9 (1201.6)					



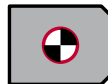
Order: Model (W) (α)

ANRP 0300 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0300 45-P

ANRP 0300 45-G-P



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

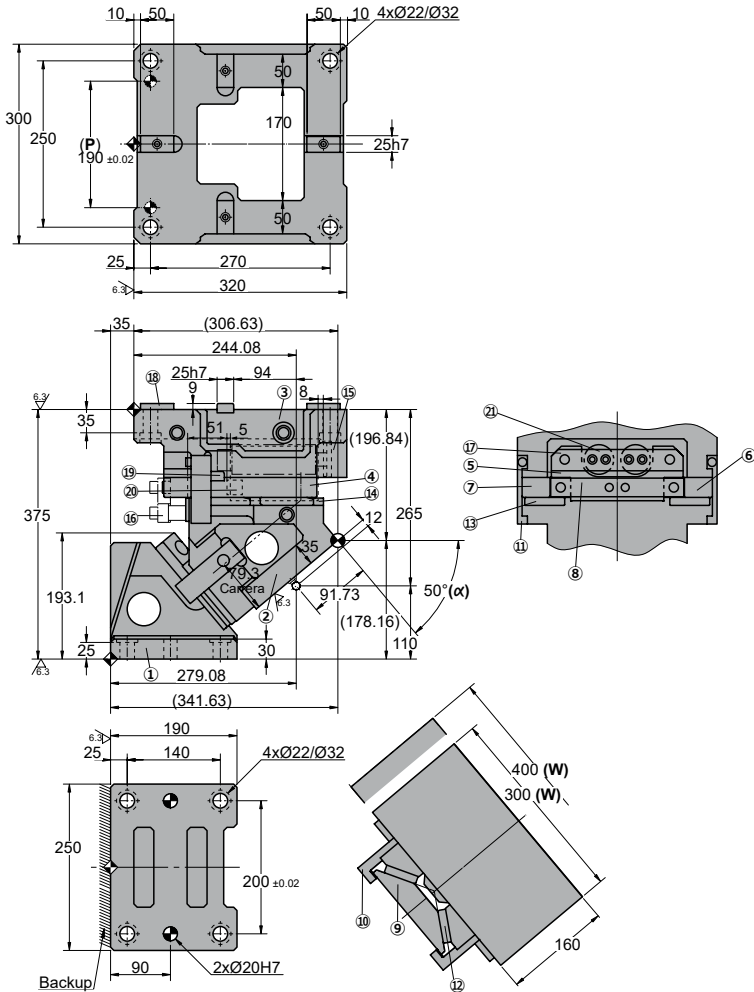
㉒	Gas Spring	2	FD 500 80
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ANRP 0300-0400

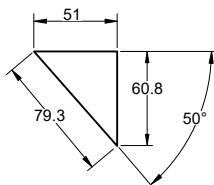
Aerial cam for pierce and flange



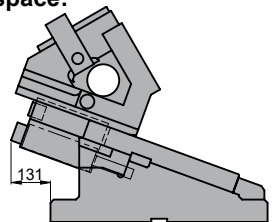
ANRP 0300 50
ANRP 0400 50





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
79.3	451.1 (46.0)	1314.1 (134.0)	8015.4 (817.9)	122.5	127.7	ANRP	0300 0400	50
		 ---	 11352.1 (1157.6)					



Order: **Model (W) (α)**

ANRP 0300 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: **Model (W) (α)-Option**



ANRP 0300 50-P

ANRP 0300 50-G-P



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

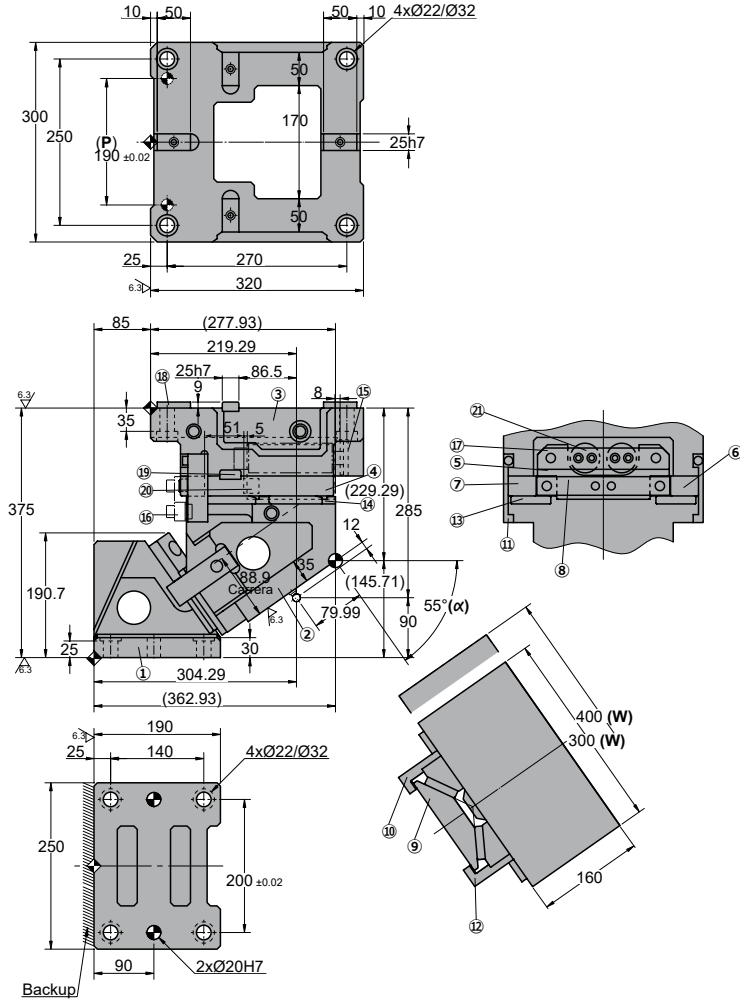
No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203
㉒	Gas Spring	2	FD 500 80

ANRP 0300-0400

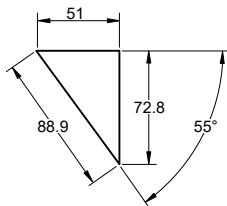
Aerial cam for pierce and flange



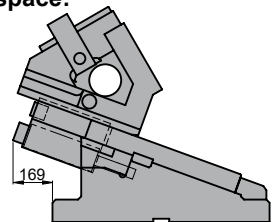
ANRP 0300 55
ANRP 0400 55





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
88.9	451.1 (46.0)	1314.1 (134.0)	8015.4 (817.9)	130.9	135.9	ANRP	0300 0400	55
		 ---	 11352.1 (1157.6)					



Order: Model (W) (α)

ANRP 0300 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in de cam

Order Options: Model (W) (α)-Option



ANRP 0300 55-P

ANRP 0300 55-G-P



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

㉒	Gas Spring	2	FD 500 80
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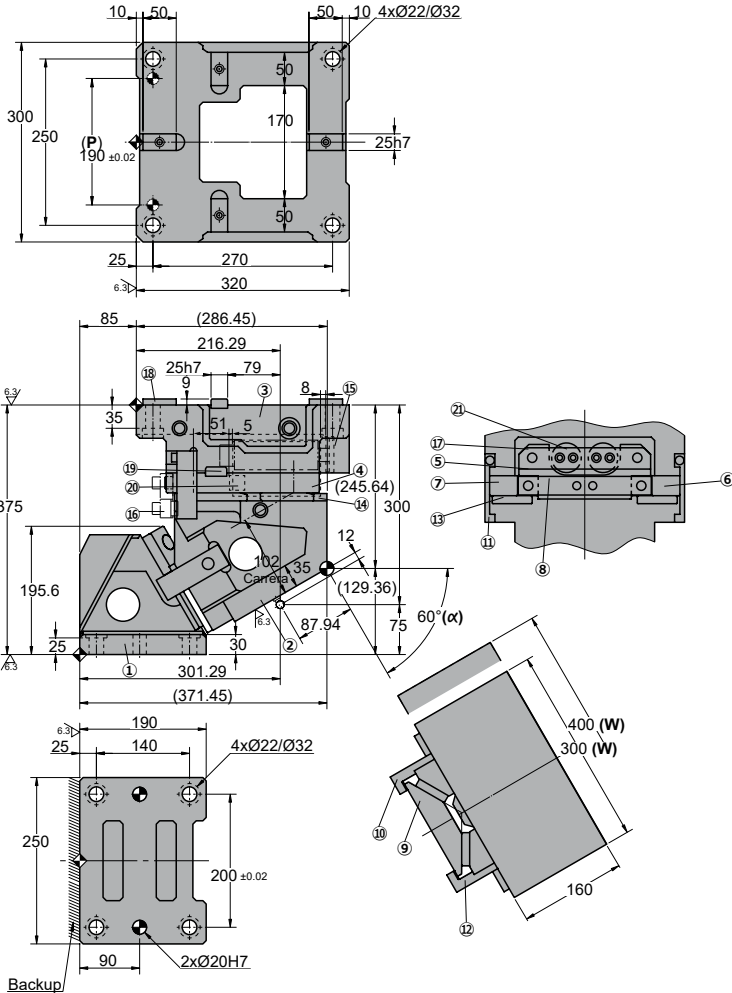
ANRP 0300-0400

Aerial cam for pierce and flange

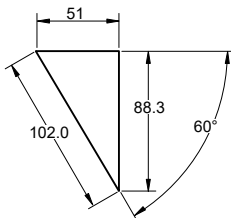
**AZOL
GAS**

ANRP 0300 60

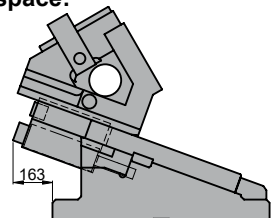
ANRP 0400 60





◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁					
102.0	451.1 (46.0)	1314.1 (134.0)	8015.4 (817.9)	135.3	140.4	ANRP	0300 0400	60
		 ---	 11352.1 (1157.6)					



Order: Model (W) (α)

ANRP 0300 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option



ANRP 0300 60-P

ANRP 0300 60-G-P



SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ⑳ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

㉒	Gas Spring	2	FD 500 80
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ANRP 0300-0400



Aerial cam for pierce and flange

General information



ASVX 0060



ASVX 0085



ASVX 0110



ASVX 0165



ASVX 0200



ASVX 0250



ASVX 0300



ASVX 0350

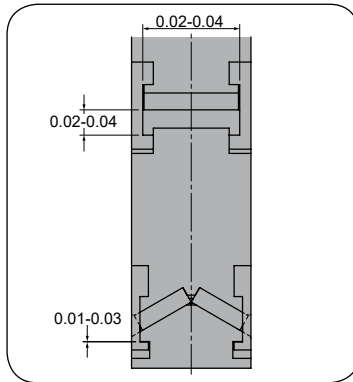


ASVX 0400

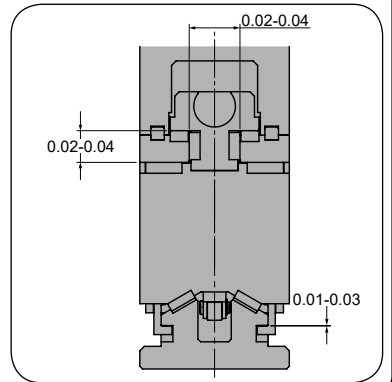
- Aerial cam.
- Angles from 0° to 75° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Gas spring equipped unit.
- According to VDI-BAK.

Adjustment clearances

ASVX 0060 / 0085 / 0110



ASVX 0165 / 0200 / 0250 / 0300 / 0350 / 0400



Assembling and disassembling

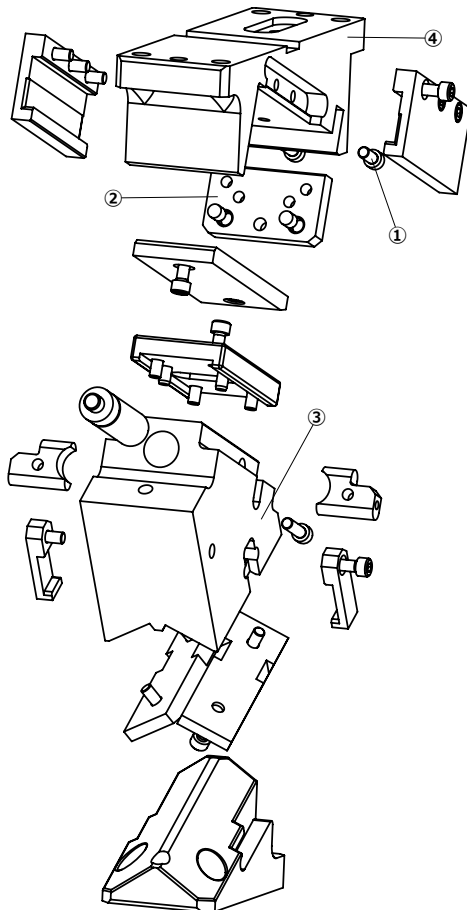
ASVX 0060 / 0085 / 0110

Disassembling process

- Unscrew ① pieces and remove security plate ②.
- Unmount cam slider ③ from cam holder ④.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

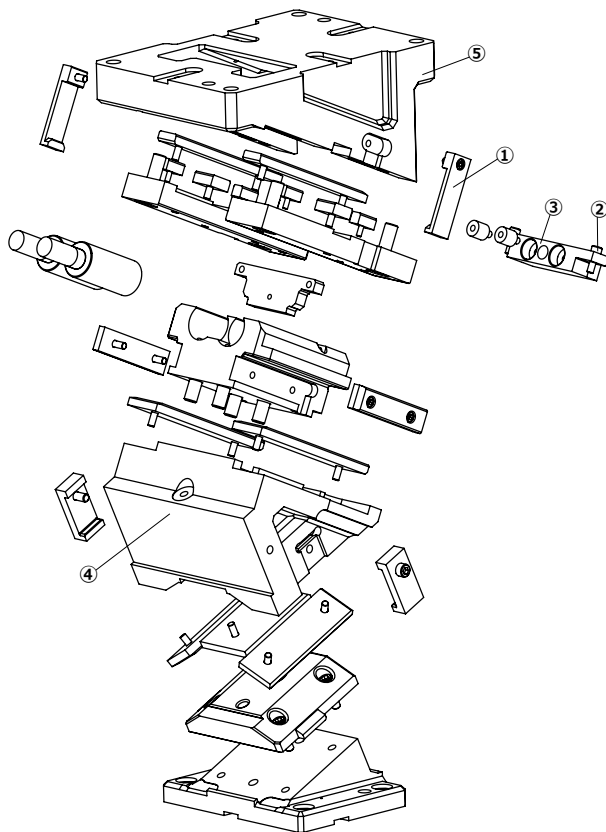
ASVX 0165 / 0200 / 0250 / 0300 / 0350 / 0400

Disassembling process

- Unmount extraction plate ①.
- Unscrew ② pieces and stopper plate ③.
- Remove cam slider ④ from cam support ⑤ from the back.

Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



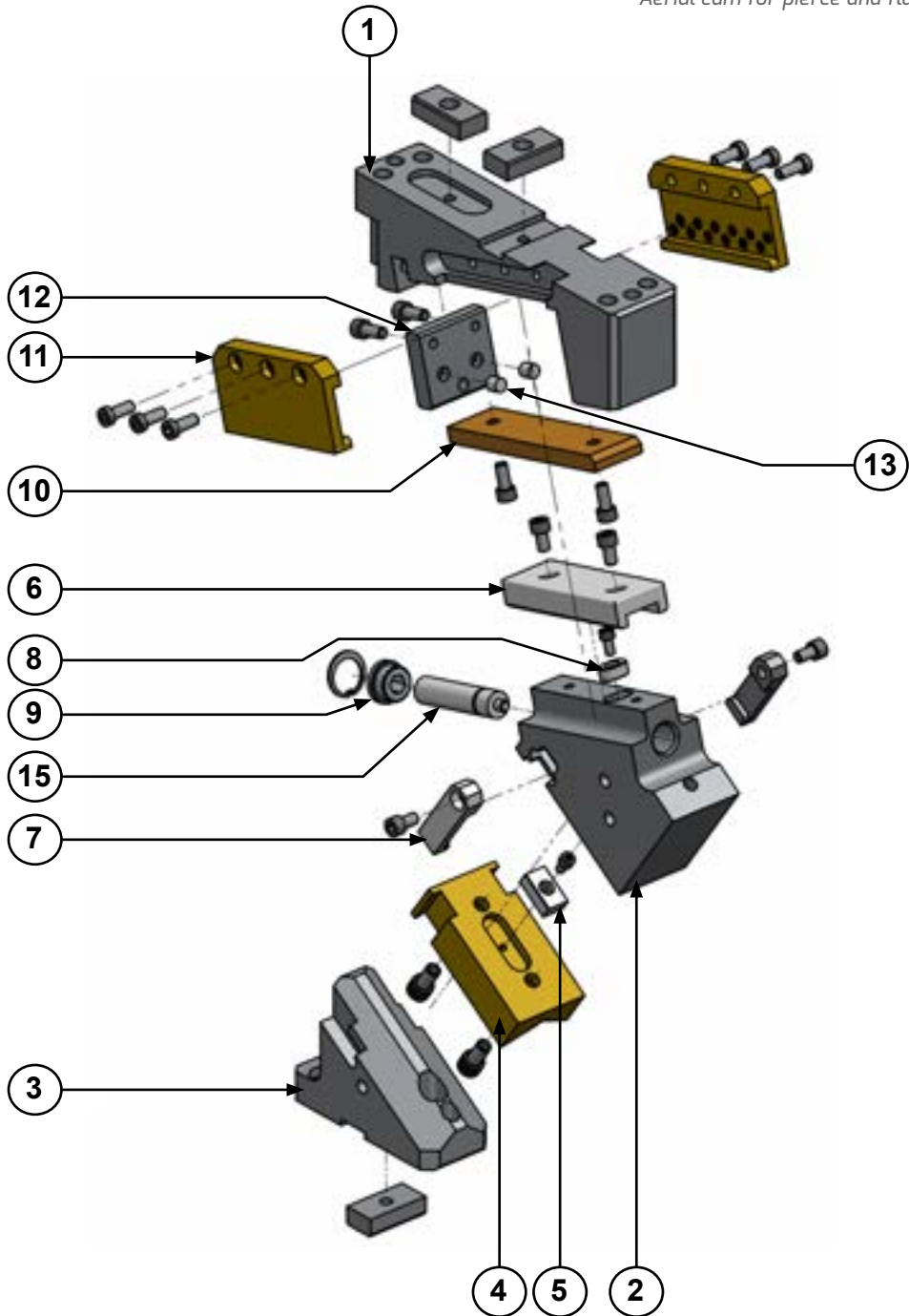
ASVX

Genial aire acondicionado para tu hogar



ASVX 0060

Aerial cam for pierce and flange

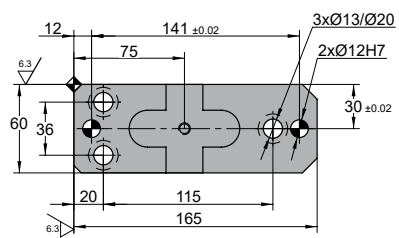
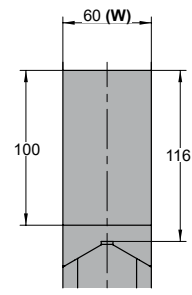
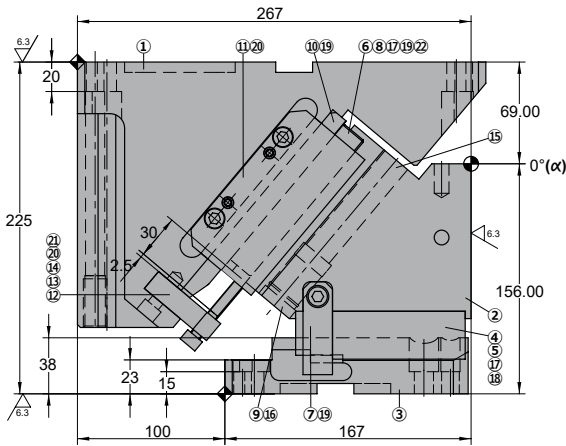
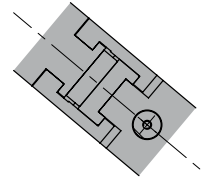
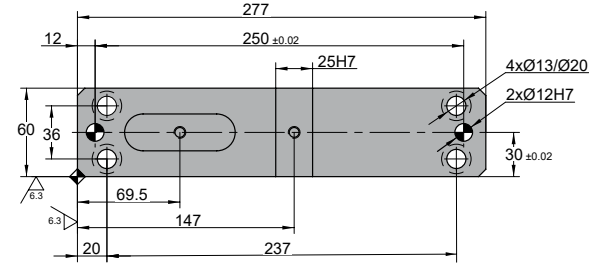


ASVX 0060

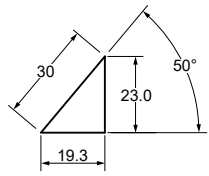
Aerial cam for pierce and flange



ASVX 0060 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
19.3	75.0 (7.6)	---	2580.6 (263.3)	20.8	ASVX	0060	00



Order: Model (W) (α)

ASVX 0060 00

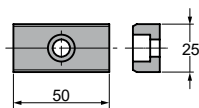
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 00-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

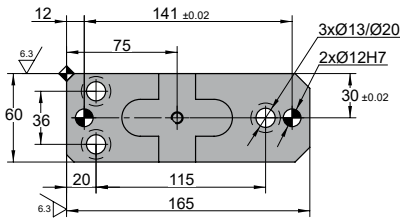
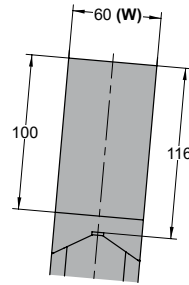
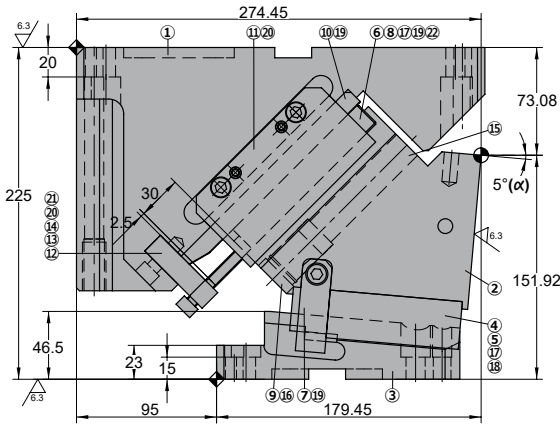
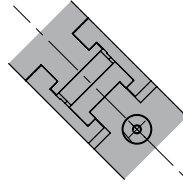
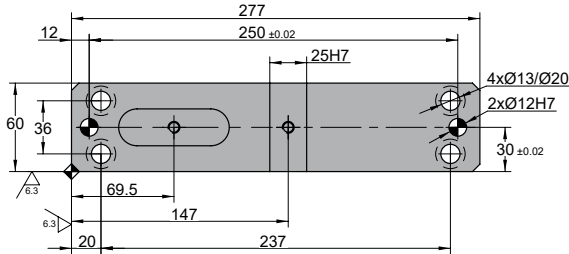
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

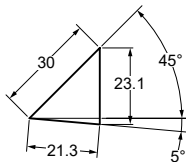
Aerial cam for pierce and flange



ASVX 0060 05



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
21.3	75.0 (7.6)	---	2580.6 (263.3)	20.5	ASVX	0060	05



Order: Model (W) (α)

ASVX 0060 05

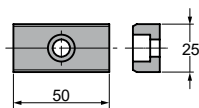
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 05-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

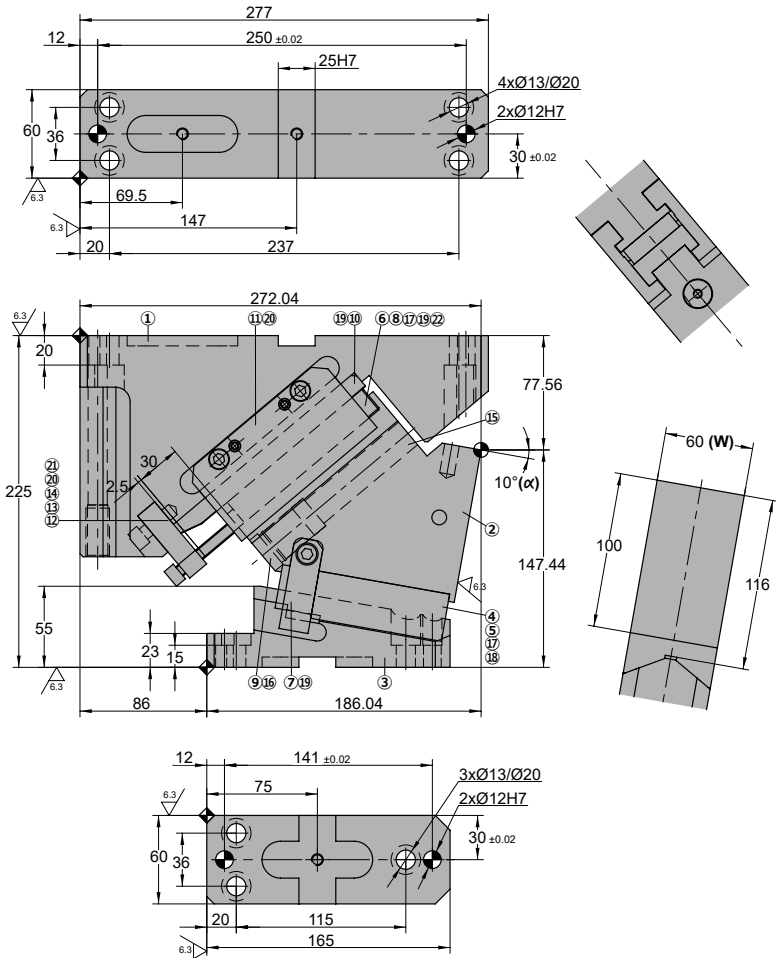
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

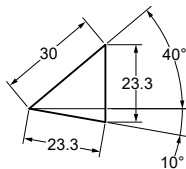
Aerial cam for pierce and flange



ASVX 0060 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
23.3	75.0 (7.6)	---	2580.6 (263.3)	19.7	ASVX	0060	10



Order: Model (W) (α)

ASVX 0060 10

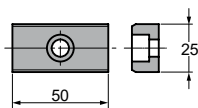
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 10-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

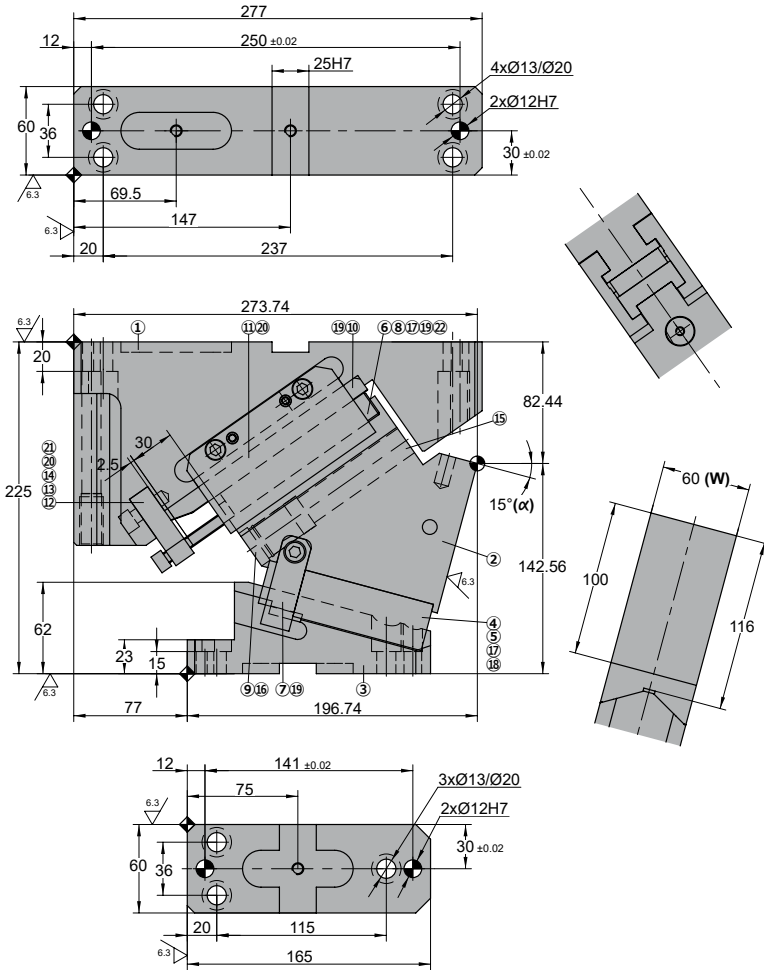
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

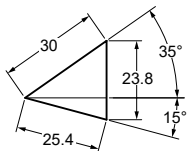
Aerial cam for pierce and flange



ASVX 0060 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
25.4	75.0 (7.6)	---	2580.6 (263.3)	19.3	ASVX	0060	15



Order: Model (W) (α)

ASVX 0060 15

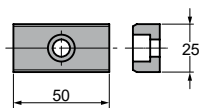
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 15-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

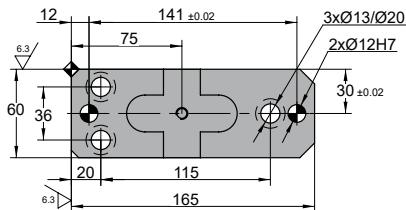
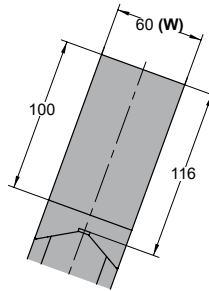
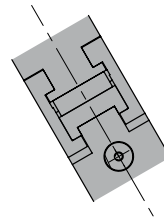
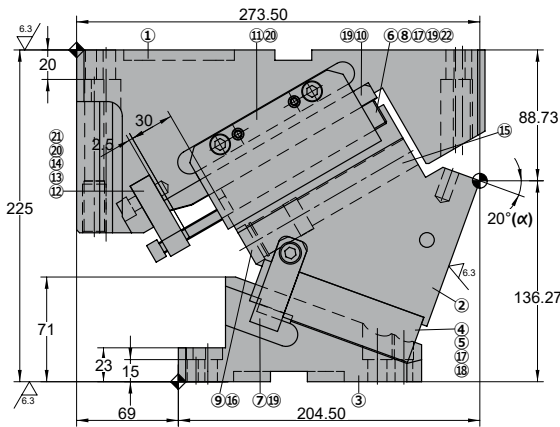
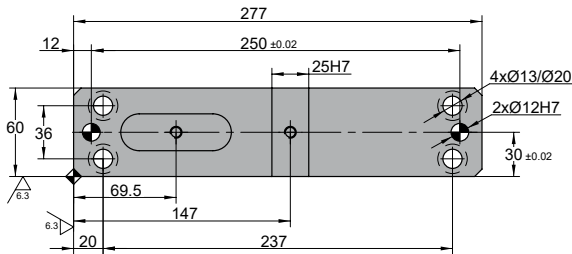
No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

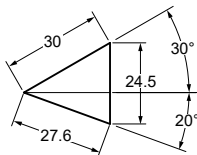
ASVX 0060

Aerial cam for pierce and flange

ASVX 0060 20



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
27.6	75.0 (7.6)	---	2580.6 (263.3)	18.9	ASVX	0060	20



Order: Model (W) (α)

ASVX 0060 20

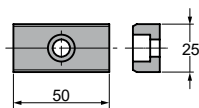
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 20-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

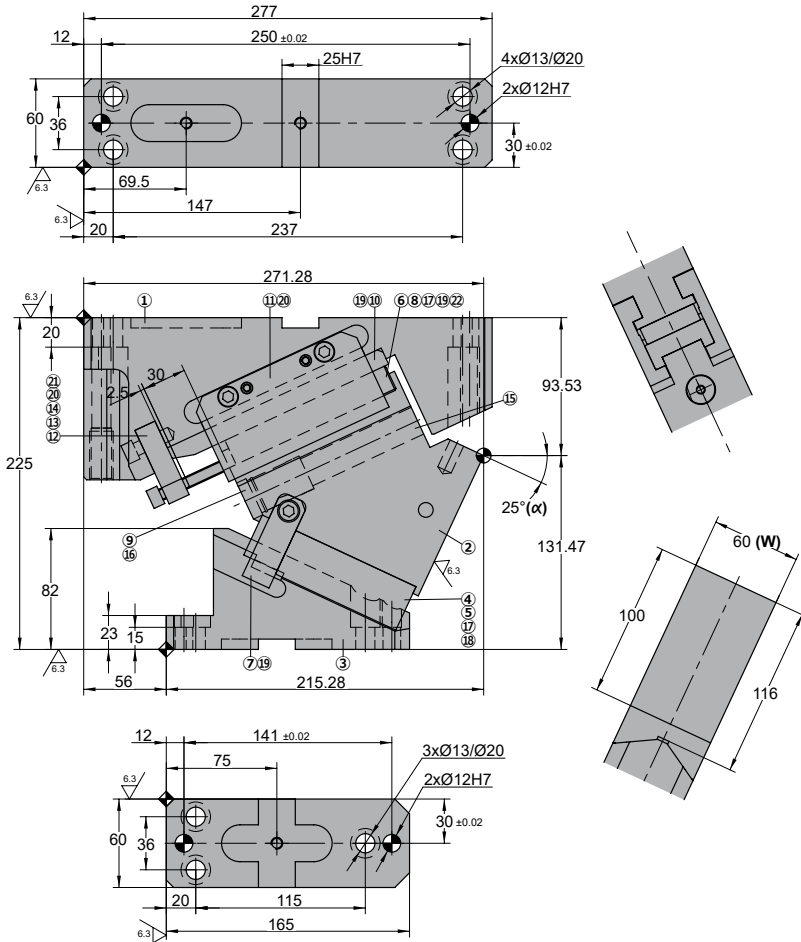
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

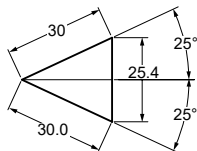
Aerial cam for pierce and flange



ASVX 0060 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
30.0	75.0 (7.6)	---	2580.6 (263.3)	18.8	ASVX	0060	25



Order: Model (W) (α)

ASVX 0060 25

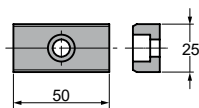
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 25-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

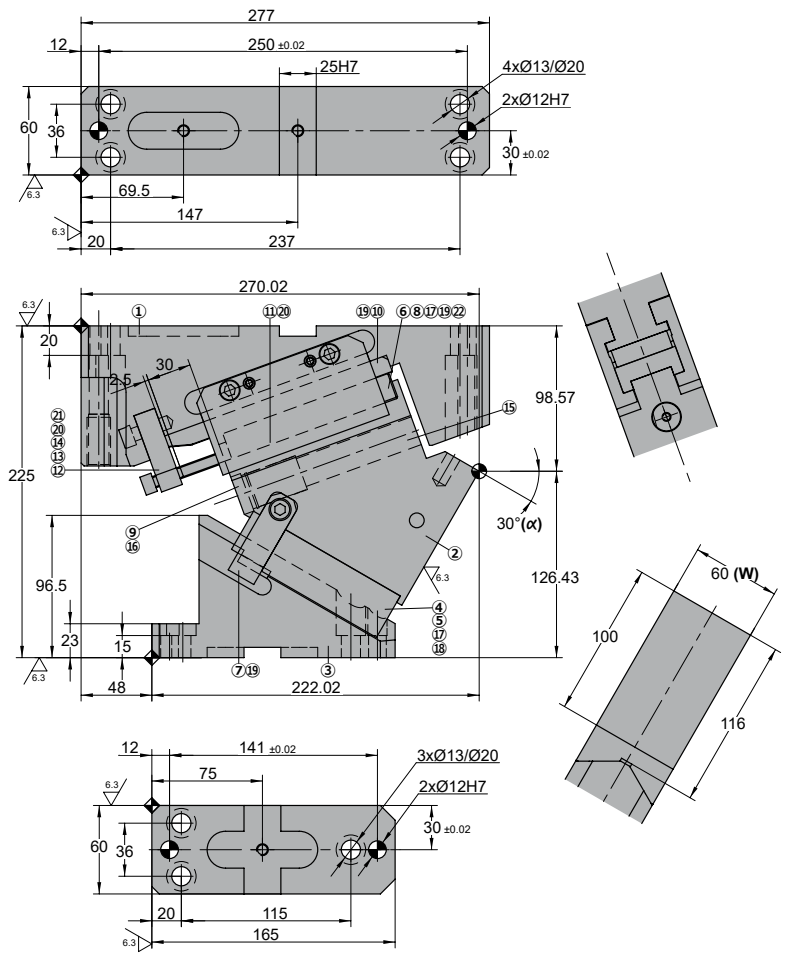
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

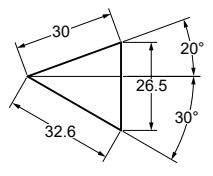
Aerial cam for pierce and flange



ASVX 0060 30



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
32.6	75.0 (7.6)	---	2580.6 (263.3)	18.4	ASVX	0060	30



Order: Model (W) (α)

ASVX 0060 30

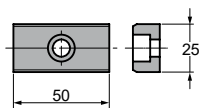
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 30-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

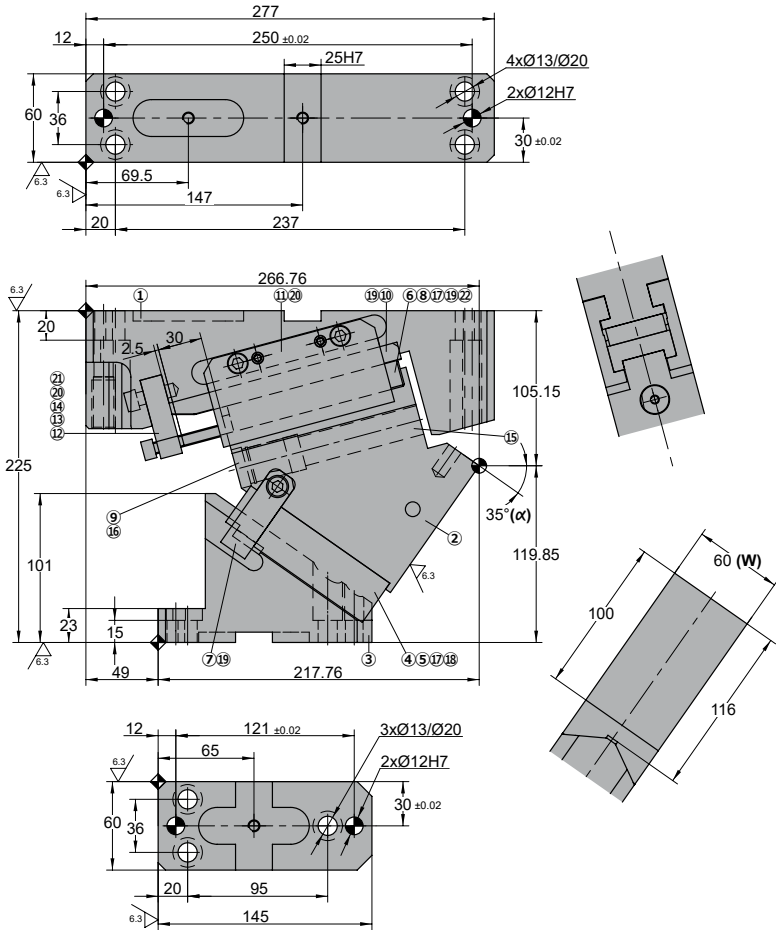
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

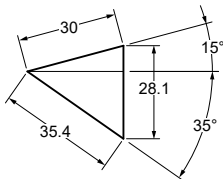
Aerial cam for pierce and flange



ASVX 0060 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
35.4	75.0 (7.6)	---	2580.6 (263.3)	17.7	ASVX	0060	35



Order: Model (W) (α)

ASVX 0060 35

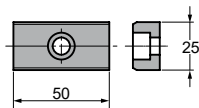
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 35-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

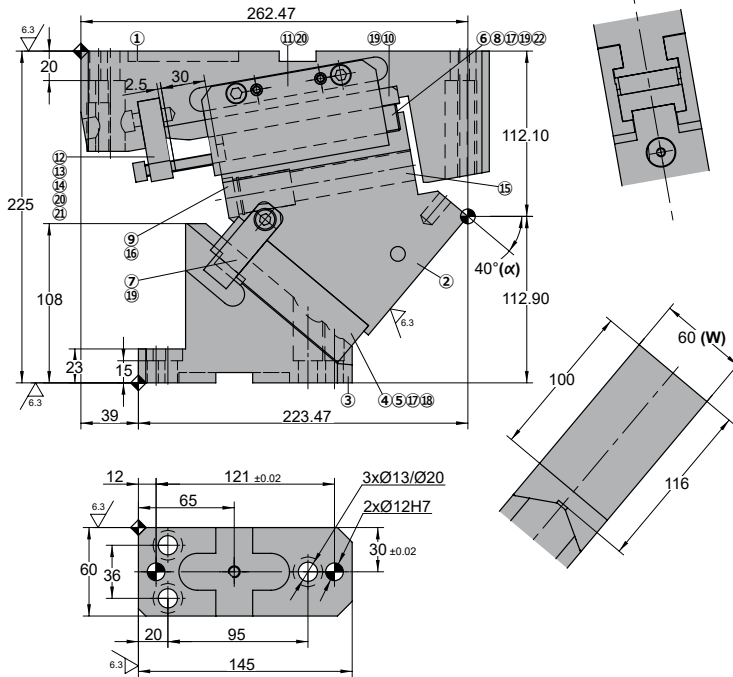
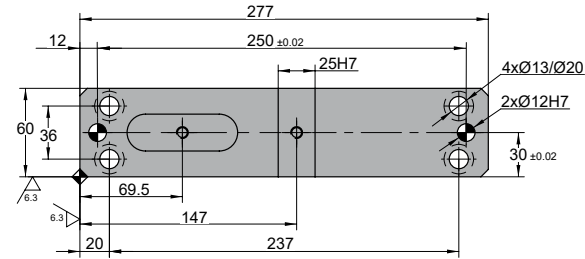
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

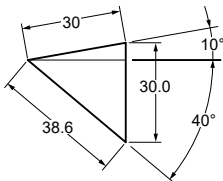
Aerial cam for pierce and flange



ASVX 0060 40



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
38.6	75.0 (7.6)	---	2580.6 (263.3)	17.5	ASVX	0060	40



Order: Model (W) (α)

ASVX 0060 40

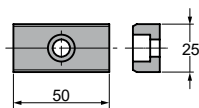
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 40-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

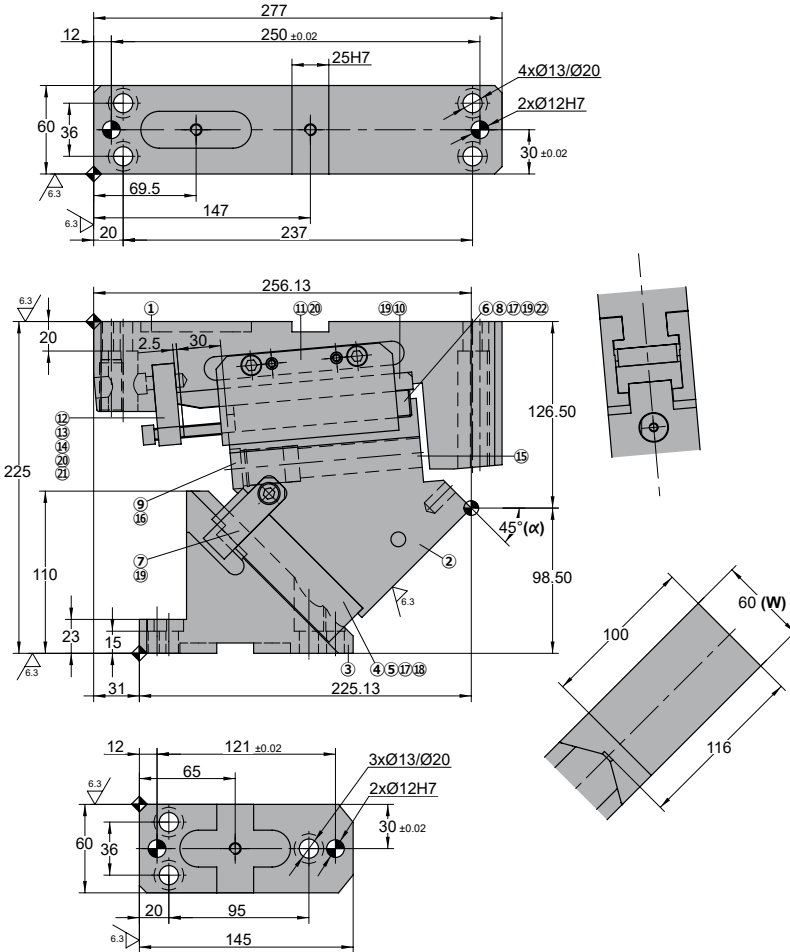
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

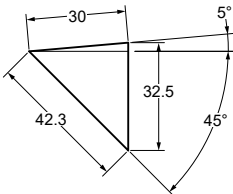
Aerial cam for pierce and flange



ASVX 0060 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
42.3	75.0 (7.6)	---	2580.6 (263.3)	17.6	ASVX	0060	45



Order: Model (W) (α)

ASVX 0060 45

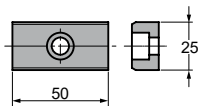
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 45-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

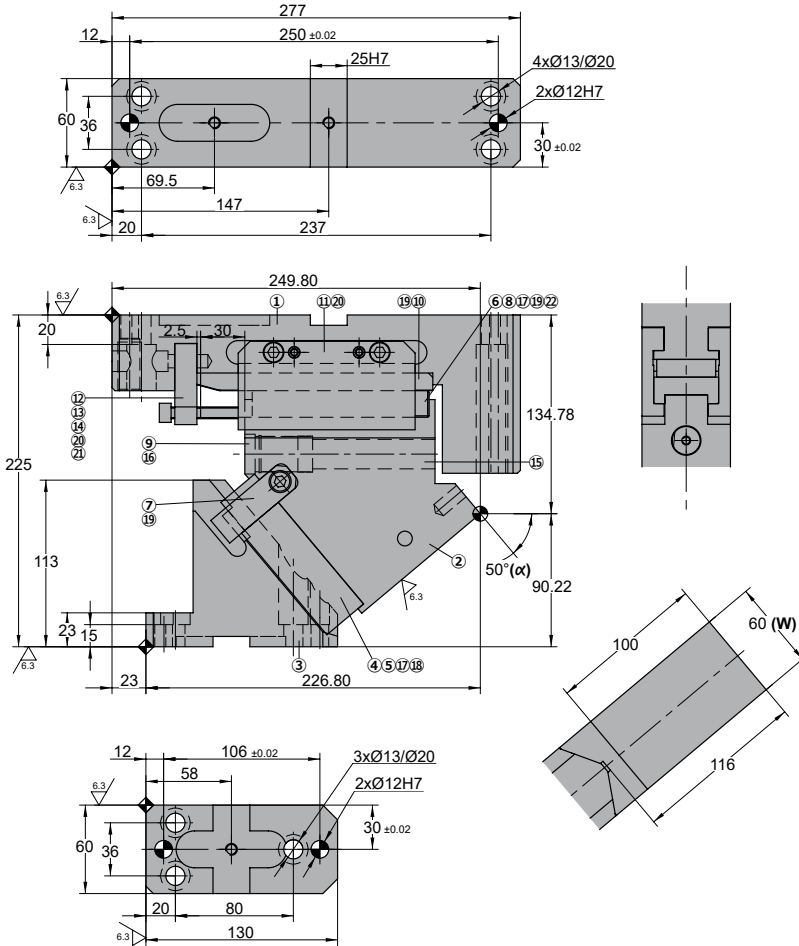
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

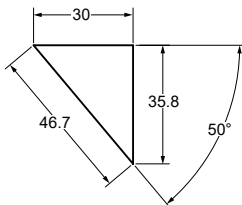
Aerial cam for pierce and flange



ASVX 0060 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
46.7	75.0 (7.6)	---	2580.6 (263.3)	17.5	ASVX	0060	50



Order: Model (W) (α)

ASVX 0060 50

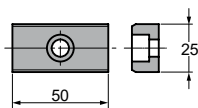
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 50-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

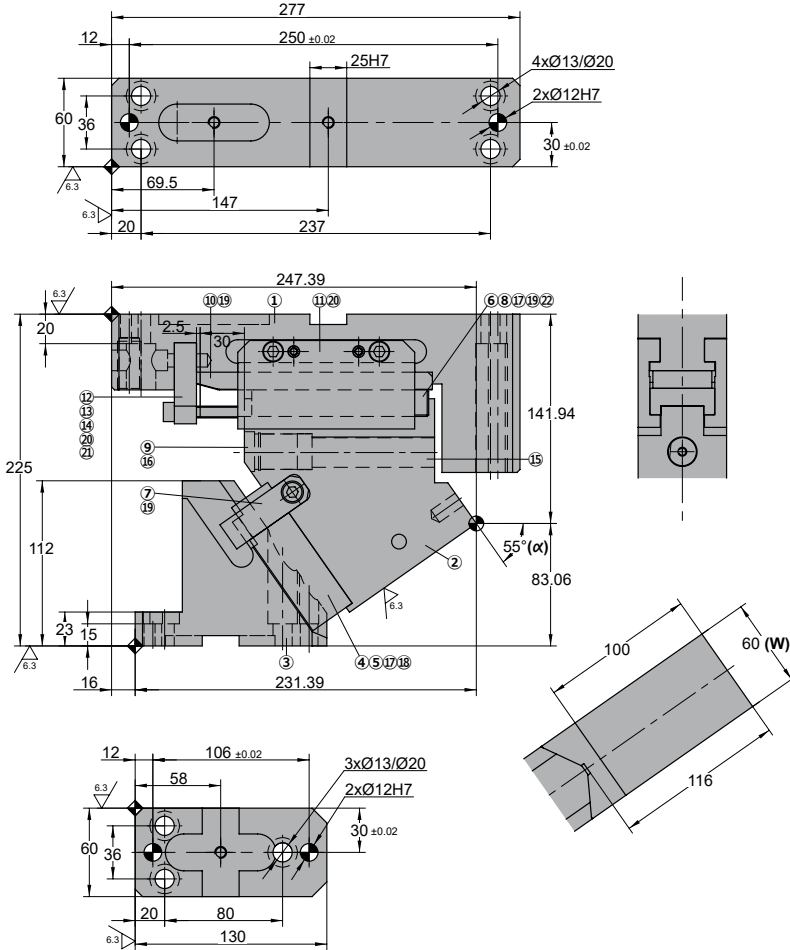
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

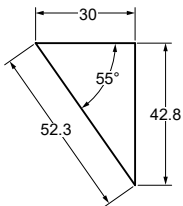
Aerial cam for pierce and flange



ASVX 0060 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
52.3	75.0 (7.6)	---	2580.6 (263.3)	17.6	ASVX	0060	55



Order: Model (W) (α)

ASVX 0060 55

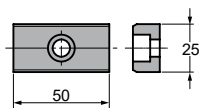
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 55-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

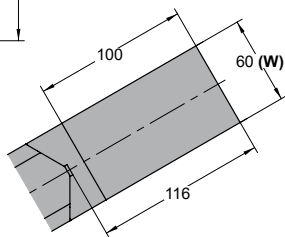
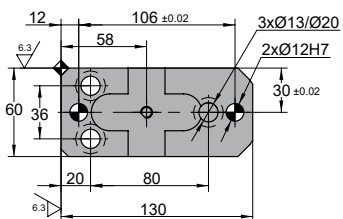
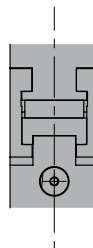
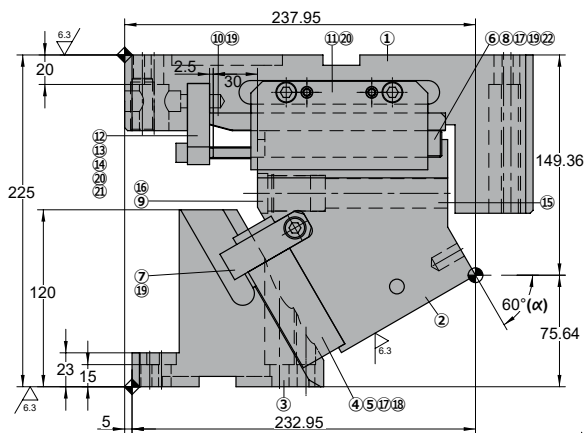
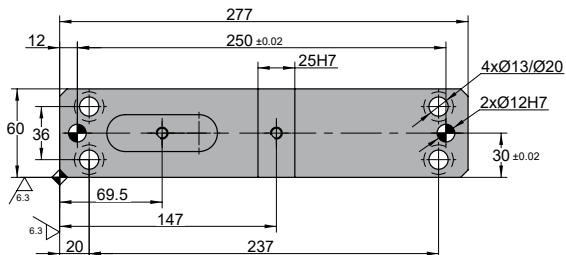
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

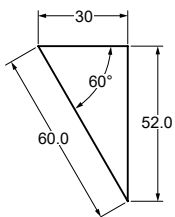
Aerial cam for pierce and flange



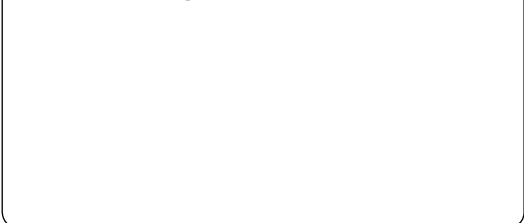
ASVX 0060 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
60.0	75.0 (7.6)	---	2580.6 (263.3)	17.9	ASVX	0060	60



Order: Model (W) (α)

ASVX 0060 60

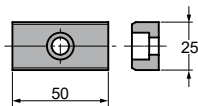
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 60-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

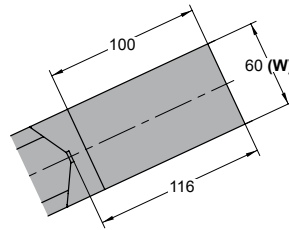
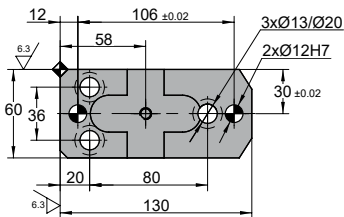
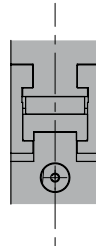
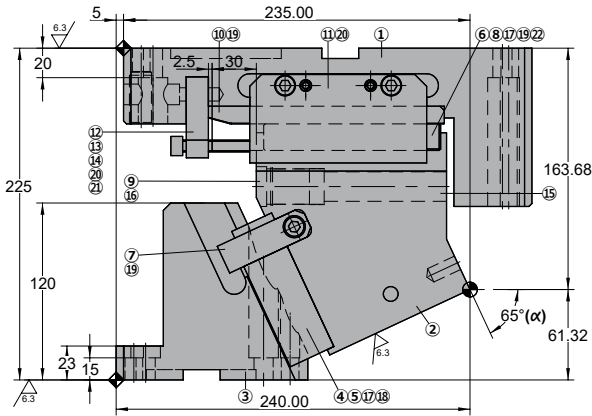
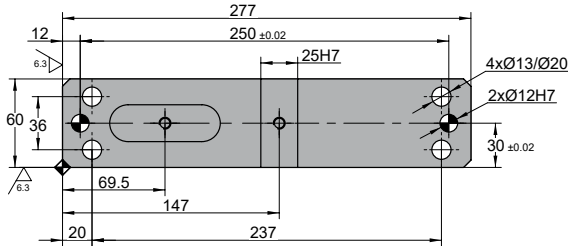
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

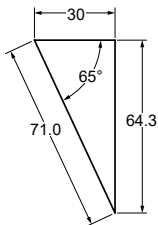
Aerial cam for pierce and flange



ASVX 0060 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
71.0	75.0 (7.6)	---	2580.6 (263.3)	18.6	ASVX	0060	65



Order: Model (W) (α)

ASVX 0060 65

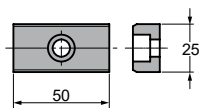
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 65-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

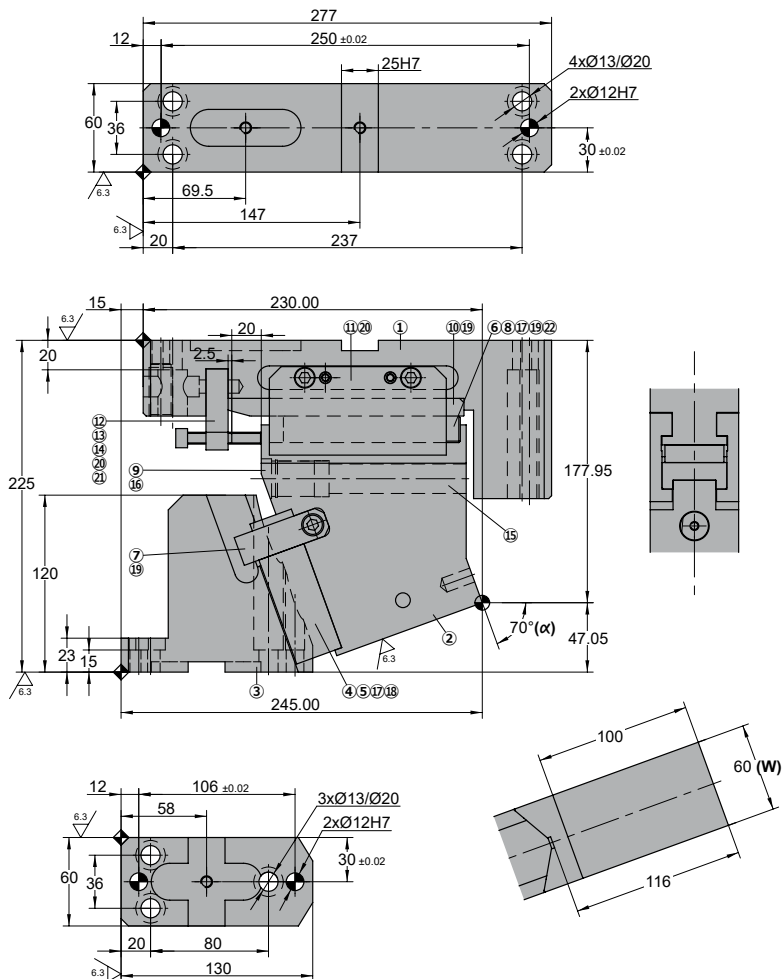
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

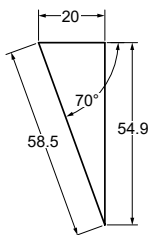
Aerial cam for pierce and flange



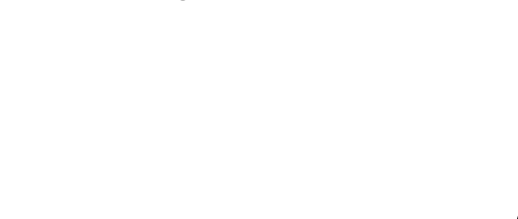
ASVX 0060 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
58.5	75.0 (7.6)	---	2583.7 (263.6)	18.8	ASVX	0060	70



Order: Model (W) (α)

ASVX 0060 70

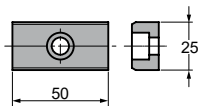
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 70-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 025

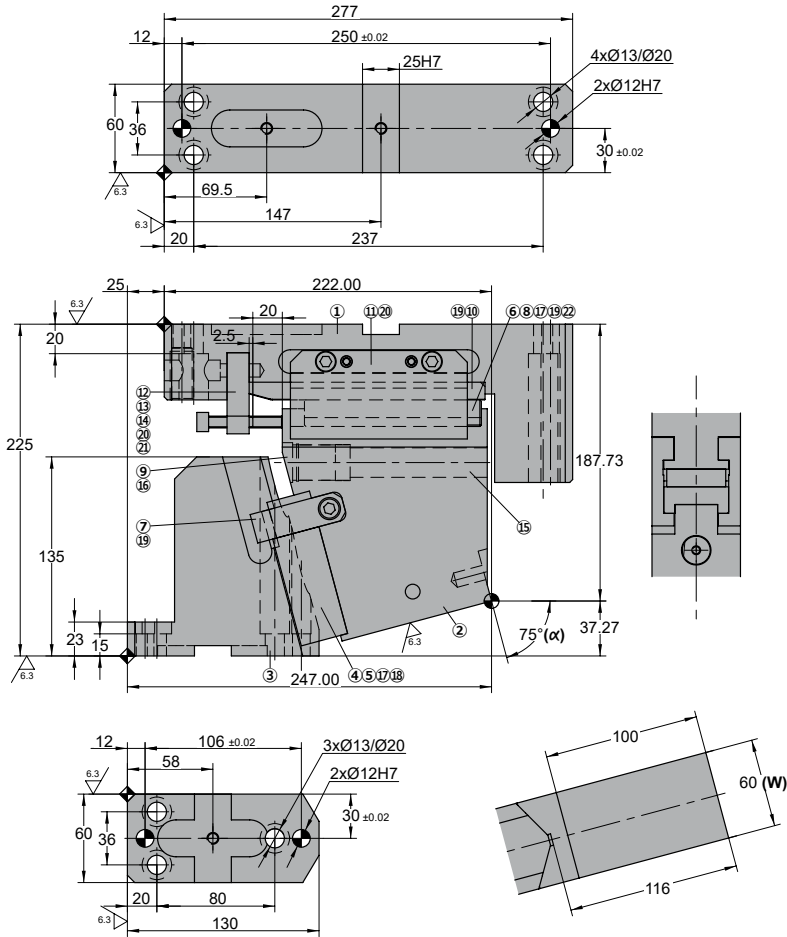
No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 50
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

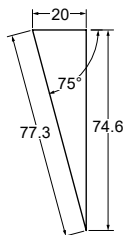
Aerial cam for pierce and flange



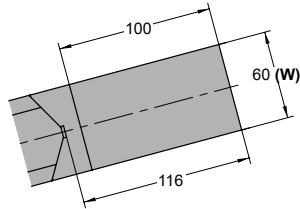
ASVX 0060 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial	Final F ₁				
77.3	75.0 (7.6)	---	2583.7 (263.6)	19.7	ASVX	0060	75



Order: Model (W) (α)

ASVX 0060 75

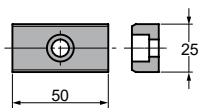
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0060 75-K



SPARE PARTS:

- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 025

No.	Descripción	Qty.	Material
⑮	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 50
㉒	Dowel Pin	2	Ø8 x 25

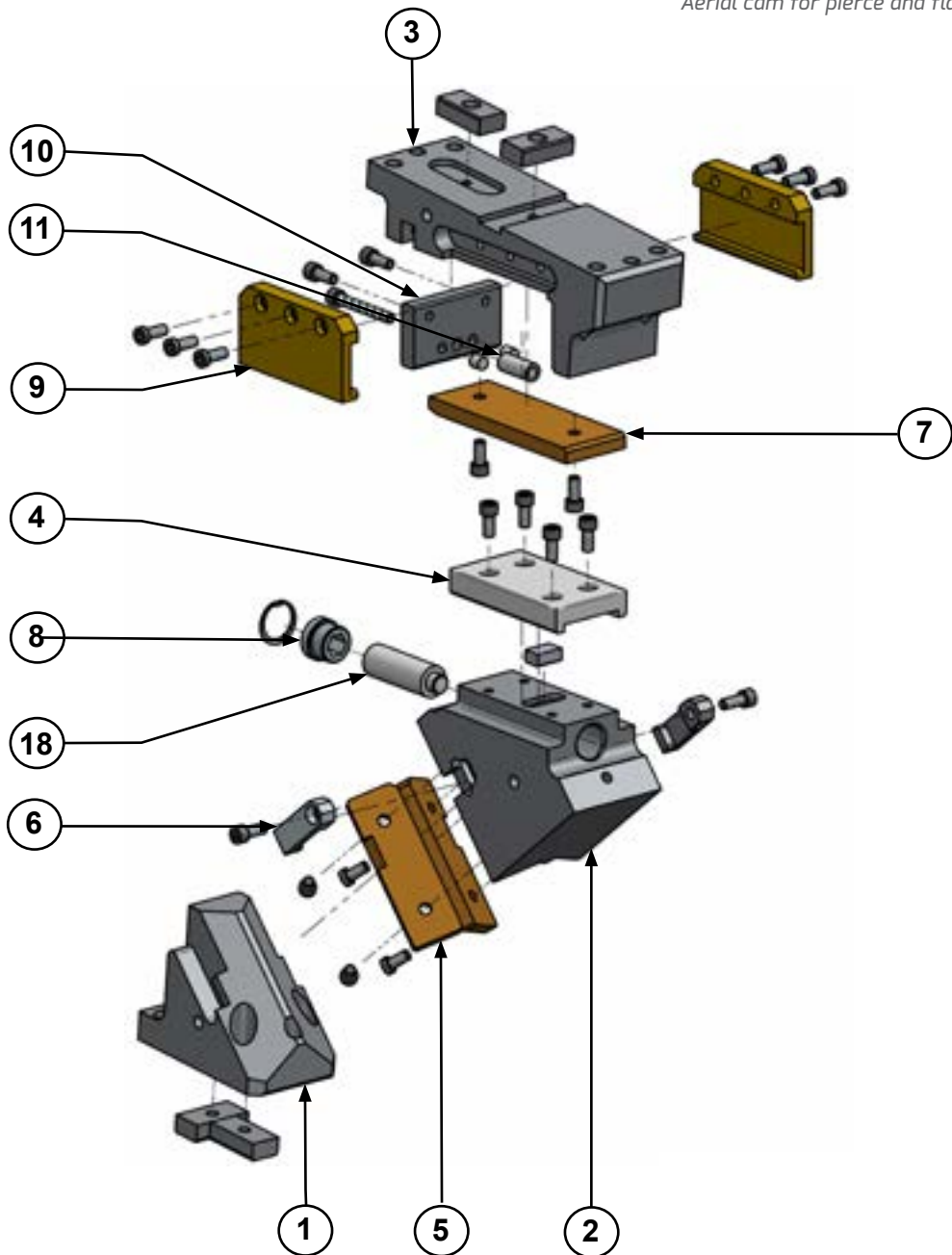
ASVX 0060



Aerial cam for pierce and flange

ASVX 0085

Aerial cam for pierce and flange

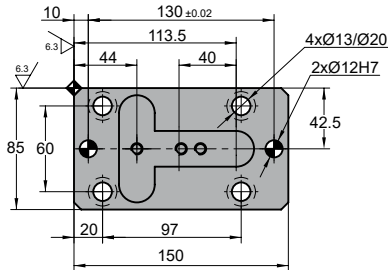
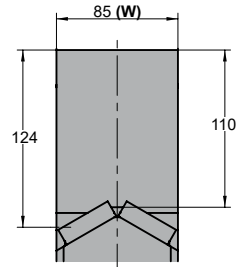
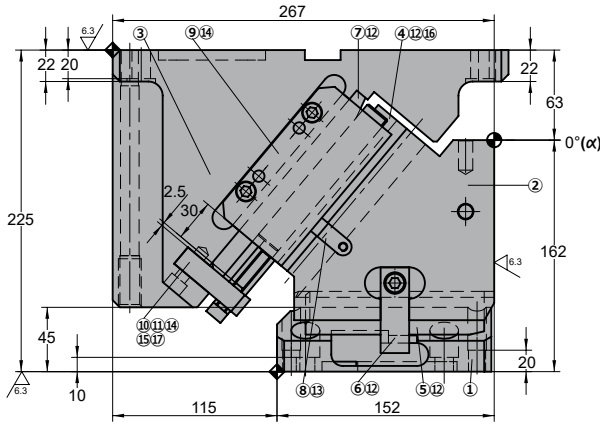
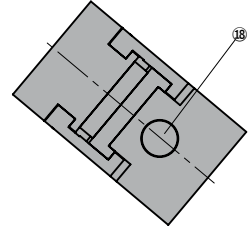
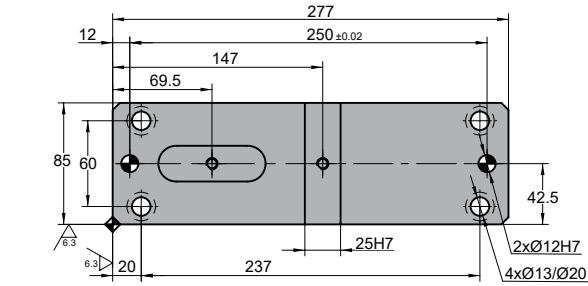


ASVX 0085

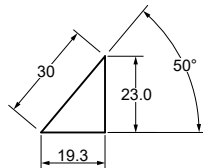
Aerial cam for pierce and flange



ASVX 0085 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
19.3	100.0 (10.2)	---	5170.4 (527.5)	28.2	ASVX	0085	00



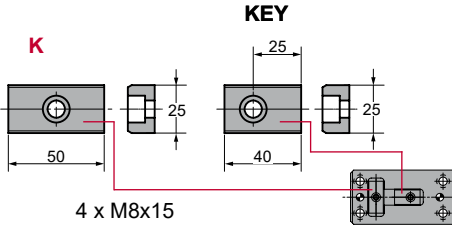
Order: Model (W) (α)

ASCB 0085 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0085 00-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

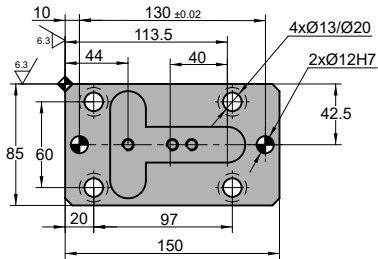
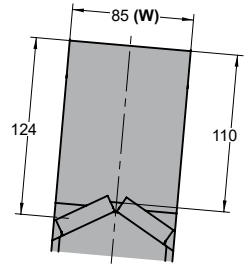
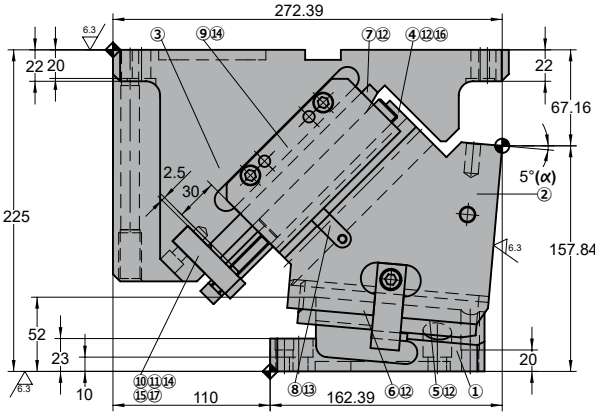
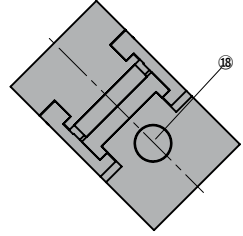
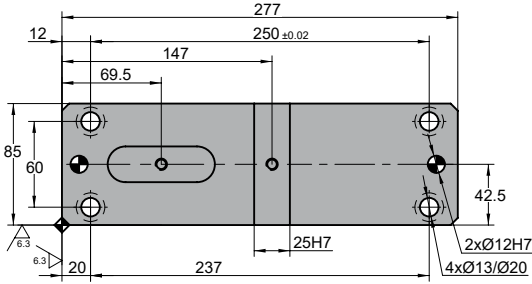
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

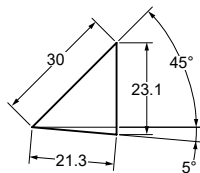
Aerial cam for pierce and flange



ASVX 0085 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
21.3	100.0 (10.2)	---	5170.4 (527.5)	27.5	ASVX	0085	05



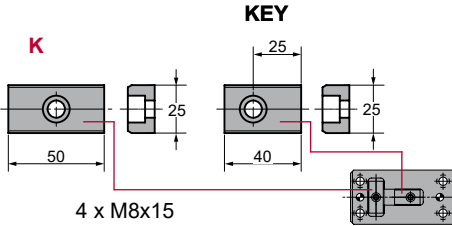
Order: Model (W) (α)

ASVX 0085 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0085 05-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

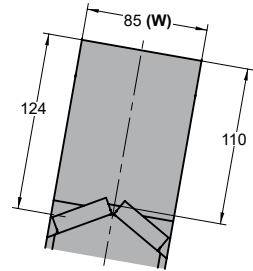
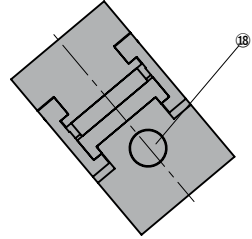
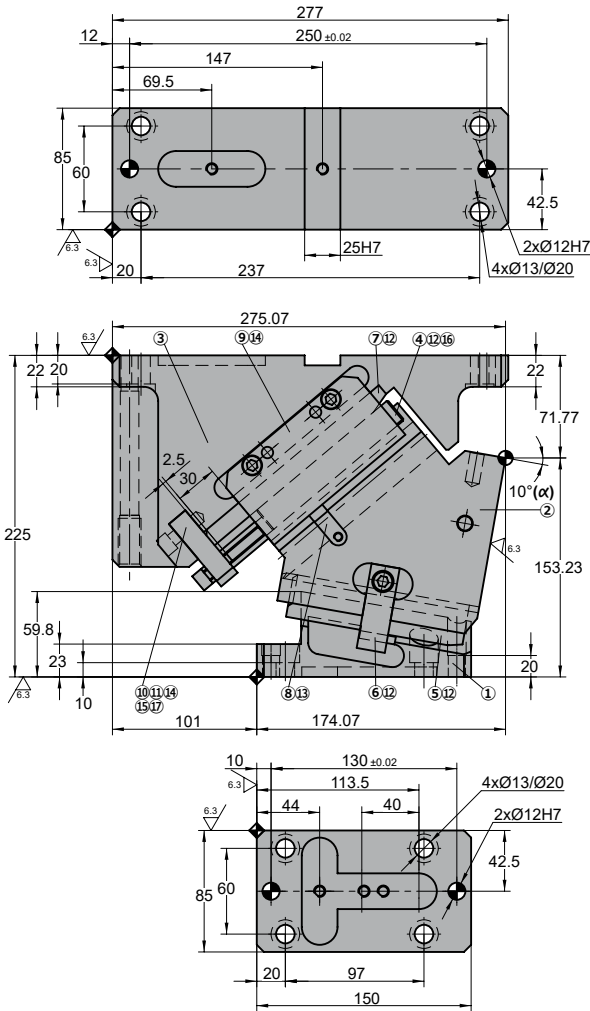
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

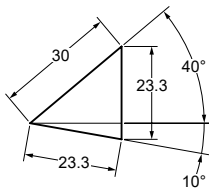
Aerial cam for pierce and flange



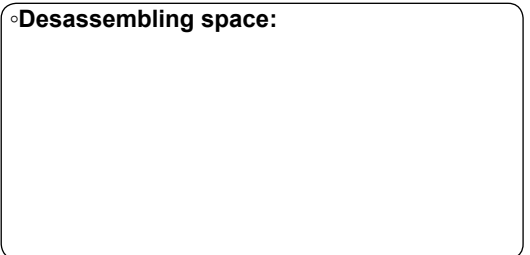
ASVX 0085 10



Cam diagram:



Desassembling space:

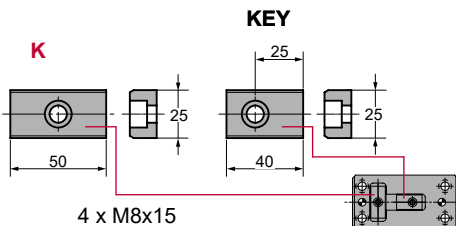


Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
23.3	100.0 (10.2)	---	5170.4 (527.5)	26.6	ASVX	0085	10


Order: Model (W) (α)
ASVX 0085 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

Order Options: Model (W) (α)-Option

ASVX 0085 10-K

SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

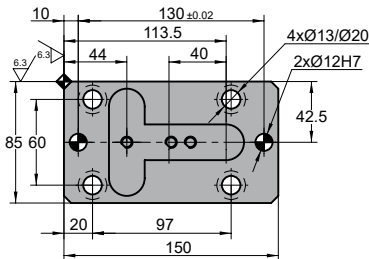
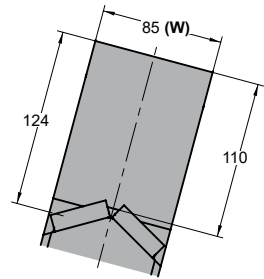
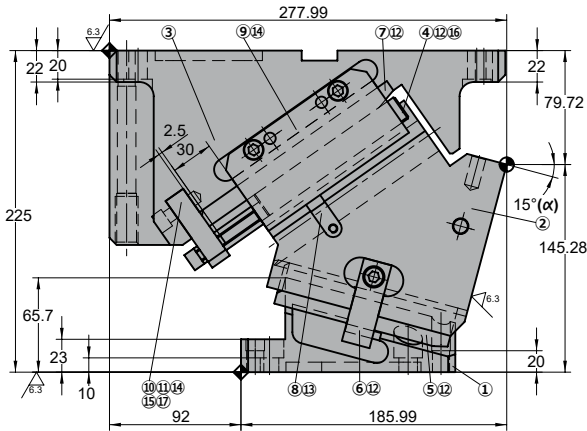
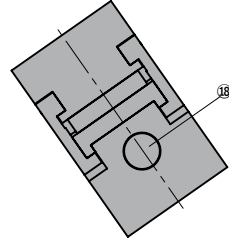
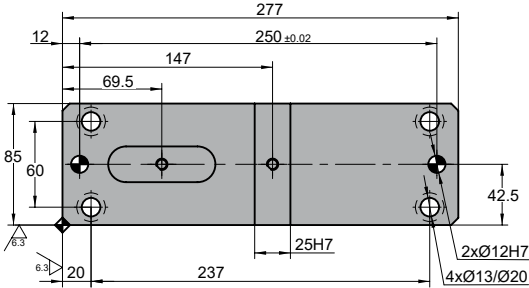
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

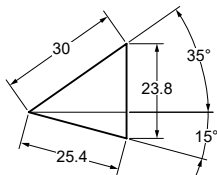
Aerial cam for pierce and flange



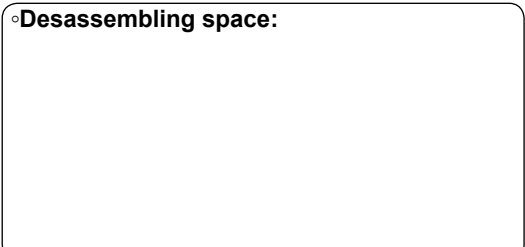
ASVX 0085 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
25.4	100.0 (10.2)	---	5170.4 (527.5)	26.3	ASVX	0085	15

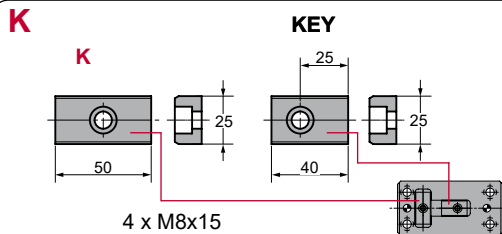


Order: Model (W) (α)

ASVX 0085 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS



Order Options: ~~Model~~ (W) (α)-Option



ASVX 0085 15-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

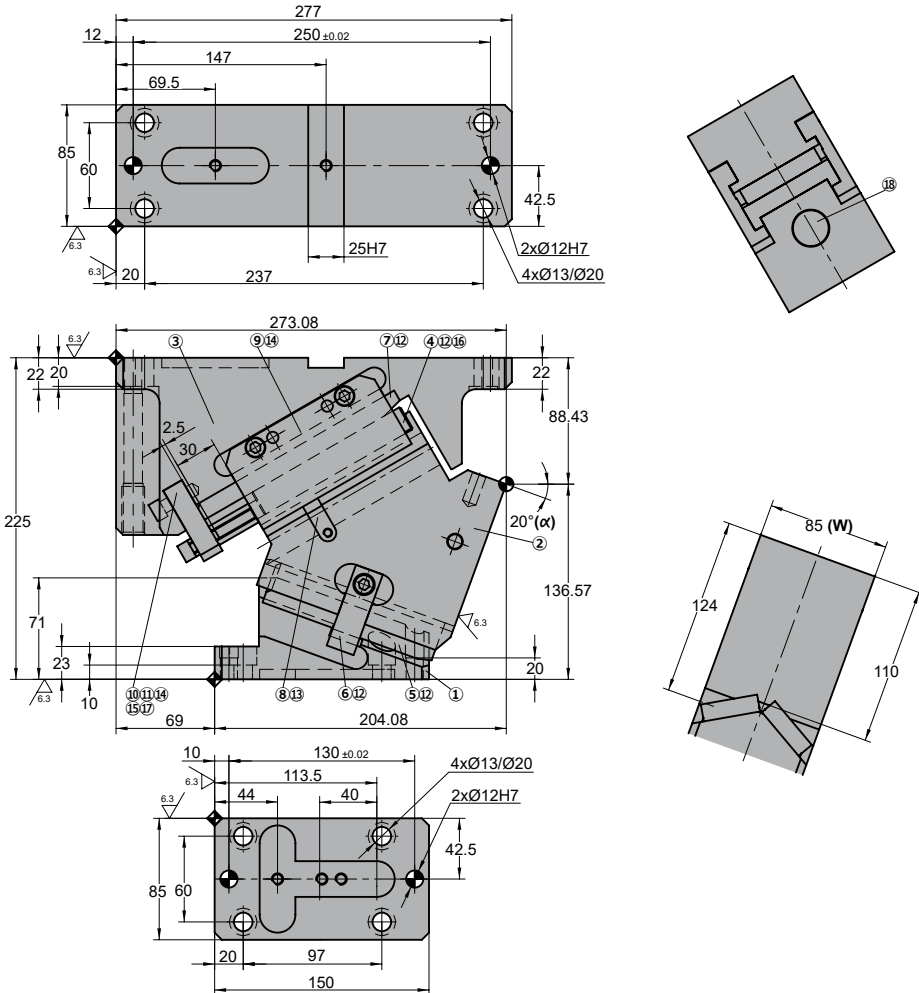
No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

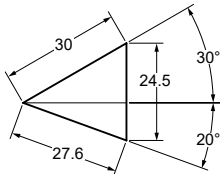
ASVX 0085

Aerial cam for pierce and flange

ASVX 0085 20



Cam diagram:



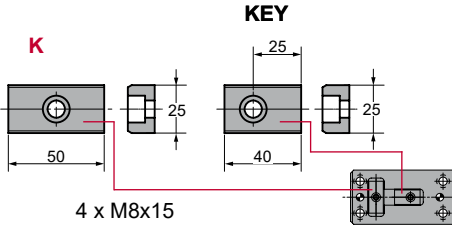
Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
27.6	100.0 (10.2)	---	5170.4 (527.5)	26.1	ASVX	0085	20


Order: Model (W) (α)
ASVX 0085 20

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K


4 x M8x15

Order Options: ~~Model~~ (W) (α)-Option

ASVX 0085 20-K

SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

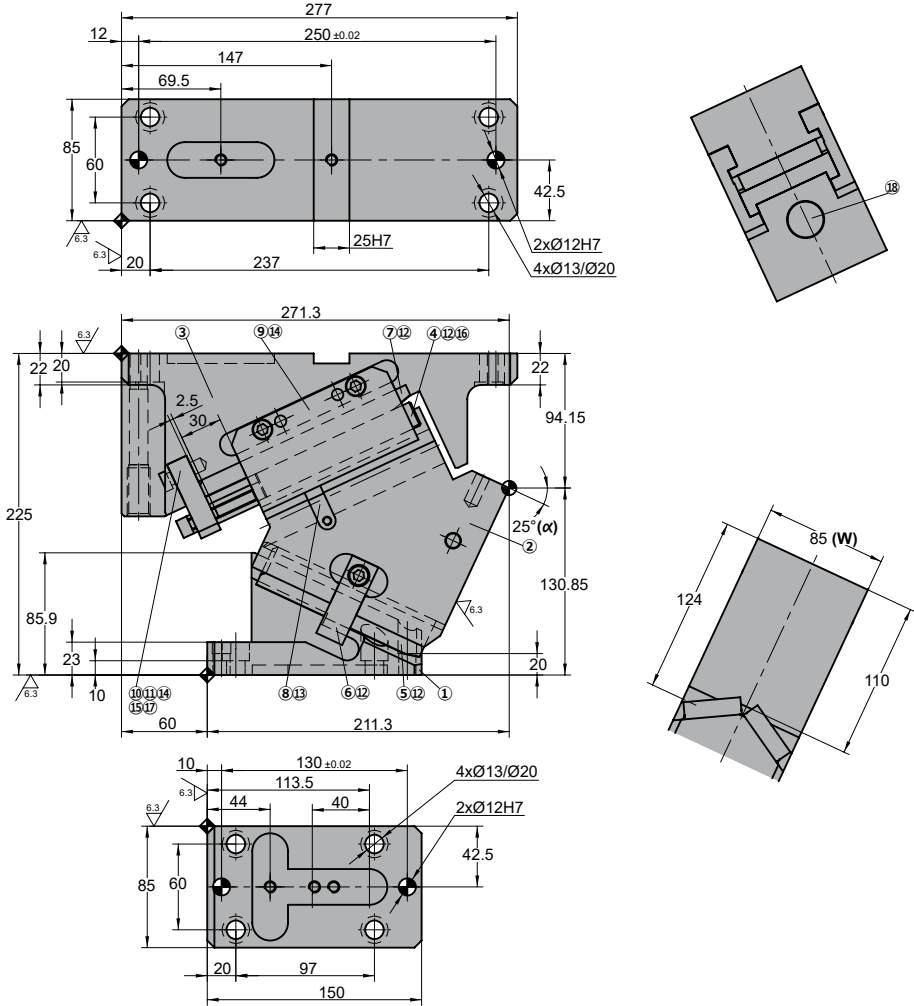
No.	Descripción	Qty.	Material
⑮	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

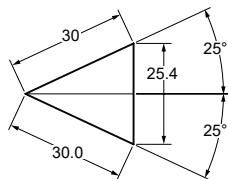
Aerial cam for pierce and flange



ASVX 0085 25



◦Cam diagram:



◦Desassembling space:

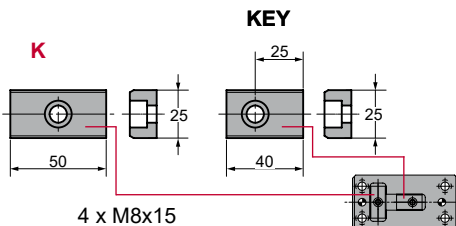


Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
30.0	100.0 (10.2)	---	5170.4 (527.5)	26.1	ASVX	0085	25


Order: Model (W) (α)
ASVX 0085 25

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

Order Options: ~~Model~~ (W) (α)-Option

ASVX 0085 25-K

SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

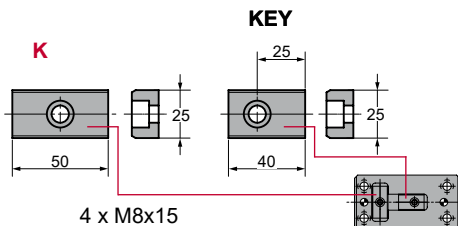
No.	Descripción	Qty.	Material
⑮	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
32.6	100.0 (10.2)	---	5170.4 (527.5)	25.3	ASVX	0085	30


Order: Model (W) (α)
ASVX 0085 30

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

Order Options: ~~Model~~ (W) (α)-Option

ASVX 0085 30-K

SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
35.4	100.0 (10.2)	---	5170.4 (527.5)	24.4	ASVX	0085	35



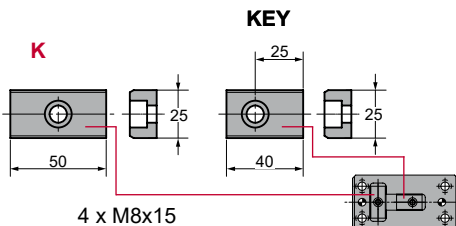
Order: **Model (W) (α)**

ASVX 0085 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: **Model (W) (α)-Option**



ASVX 0085 35-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

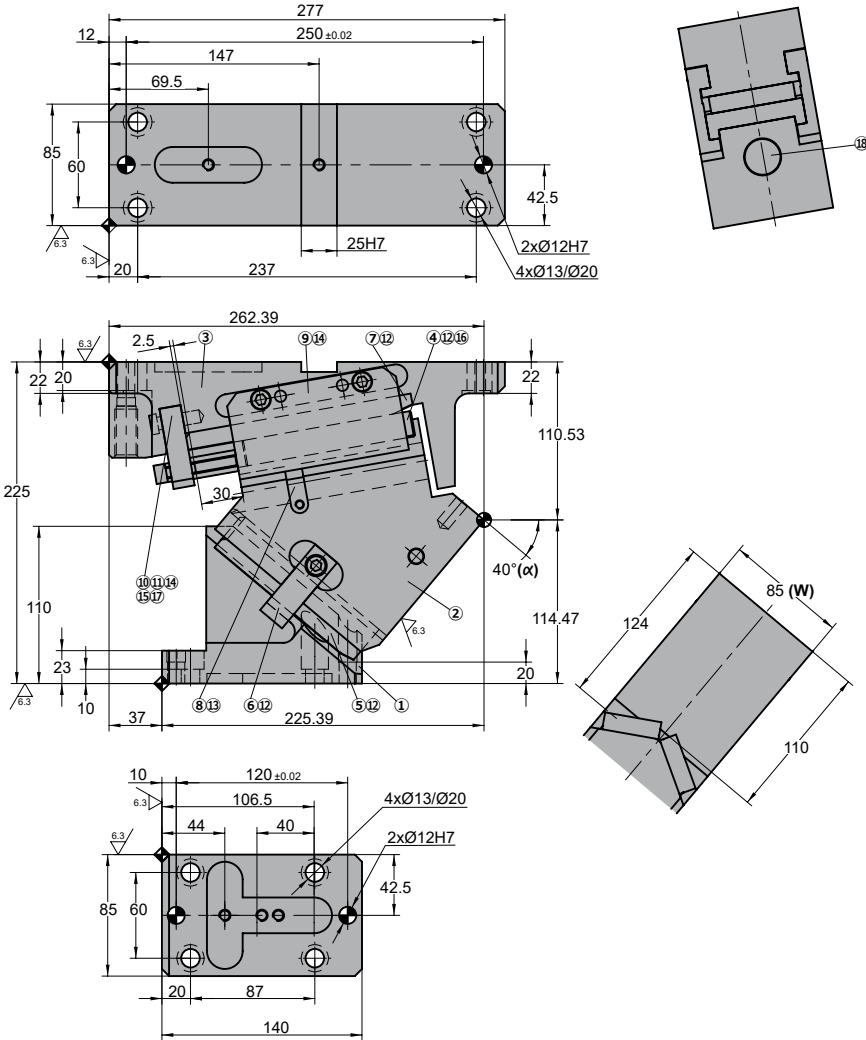
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

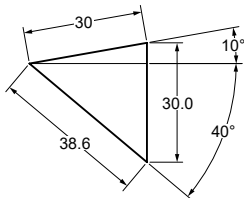
Aerial cam for pierce and flange



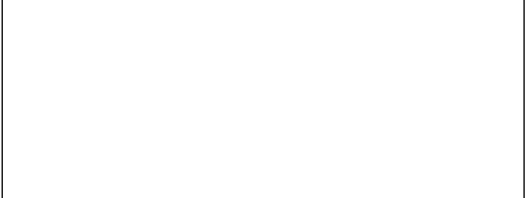
ASVX 0085 40



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.6	100.0 (10.2)	---	5170.4 (527.5)	24.0	ASVX	0085	40



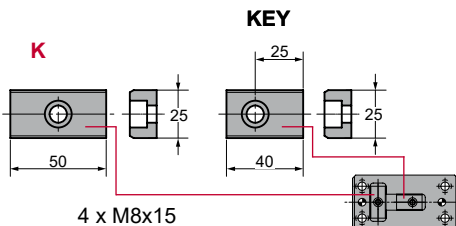
Order: Model (W) (α)

ASVX 0085 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K



Order Options: ~~Model~~ (W) (α)-Option



ASVX 0085 40-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

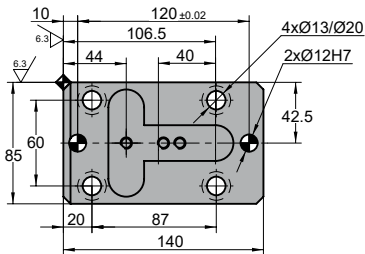
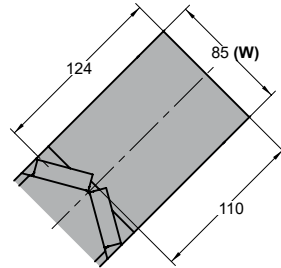
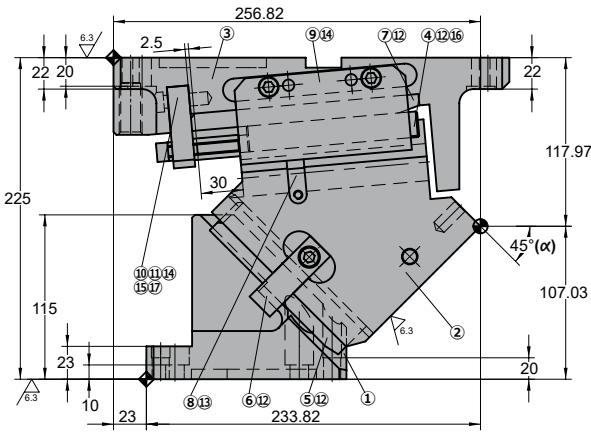
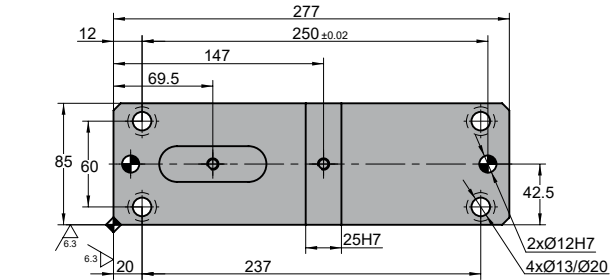
No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

No.	Descripción	Qty.	Material
⑮	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

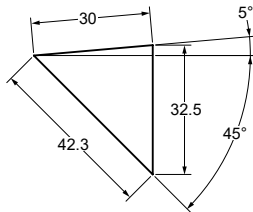
ASVX 0085

Aerial cam for pierce and flange

ASVX 0085 45



◦Cam diagram:



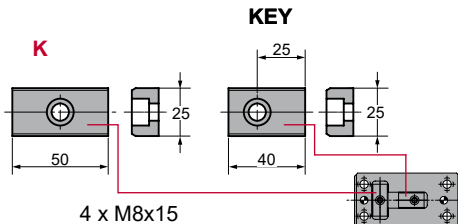
◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.3	100.0 (10.2)	---	5170.4 (527.5)	24.7	ASVX	0085	45


Order: Model (W) (α)
ASVX 0085 45

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

Order Options: ~~Model~~ (W) (α)-Option

ASVX 0085 45-K

SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

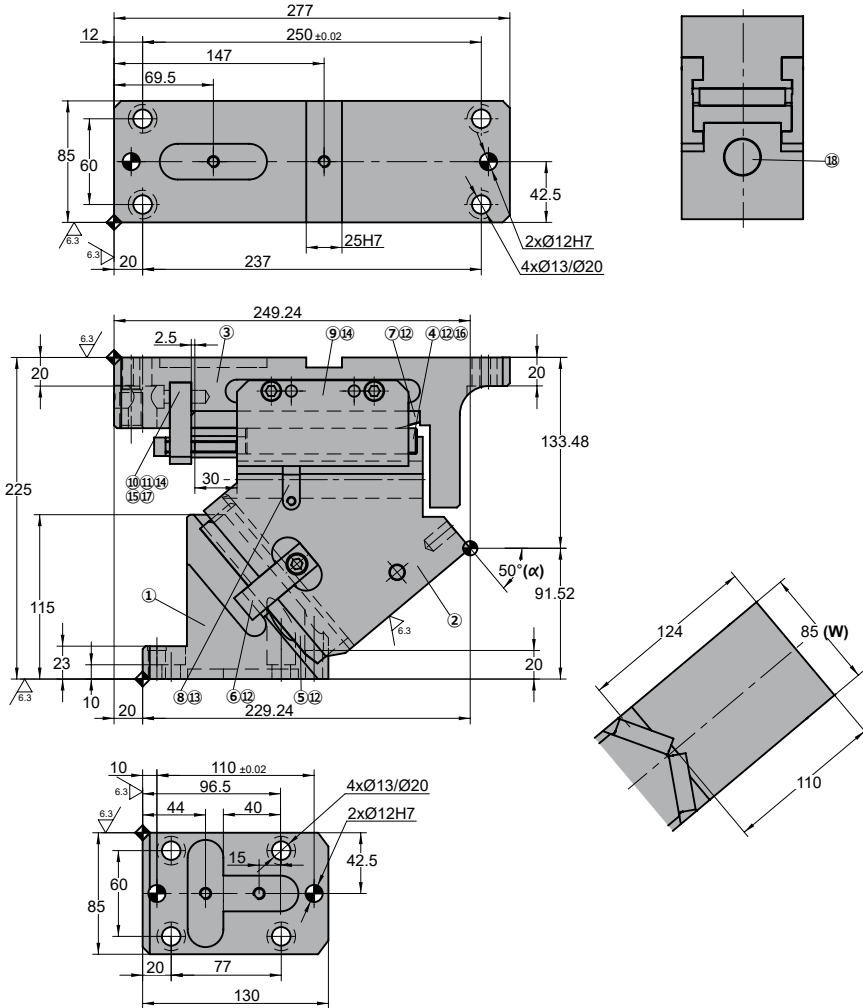
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

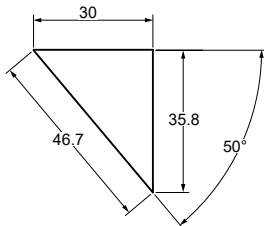
Aerial cam for pierce and flange



ASVX 0085 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.7	100.0 (10.2)	---	5170.4 (527.5)	24.7	ASVX	0085	50



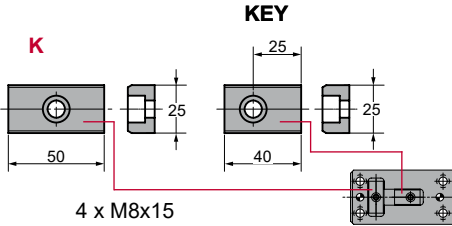
Order: Model (W) (α)

ASVX 0085 50

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K



Order Options: ~~Model~~ (W) (α)-Option



ASVX 0085 50-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

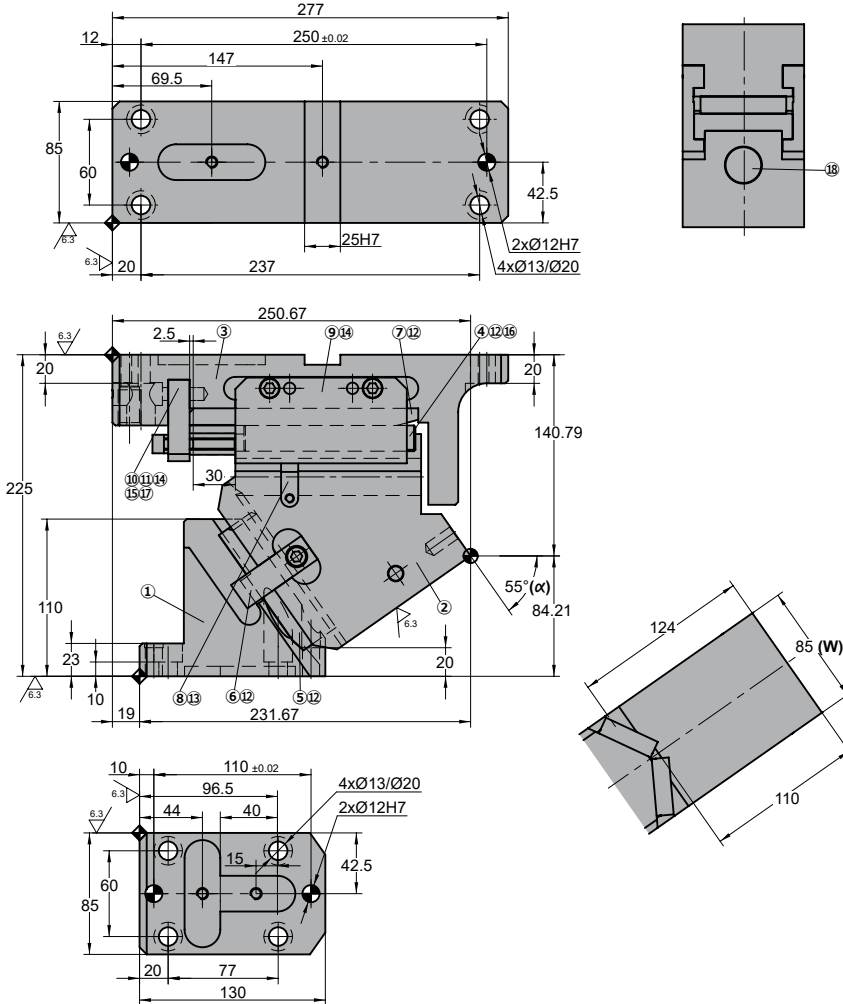
No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

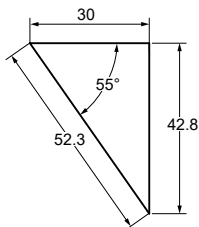
ASVX 0085

Aerial cam for pierce and flange

ASVX 0085 55



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
52.3	100.0 (10.2)	---	5170.4 (527.5)	24.6	ASVX	0085	55



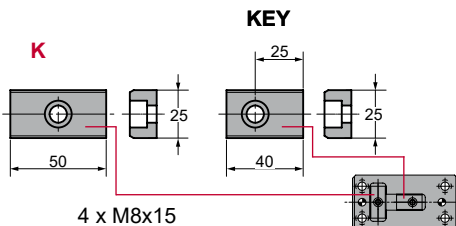
Order: **Model (W) (α)**

ASVX 0085 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: **Model (W) (α)-Option**



ASVX 0085 55-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

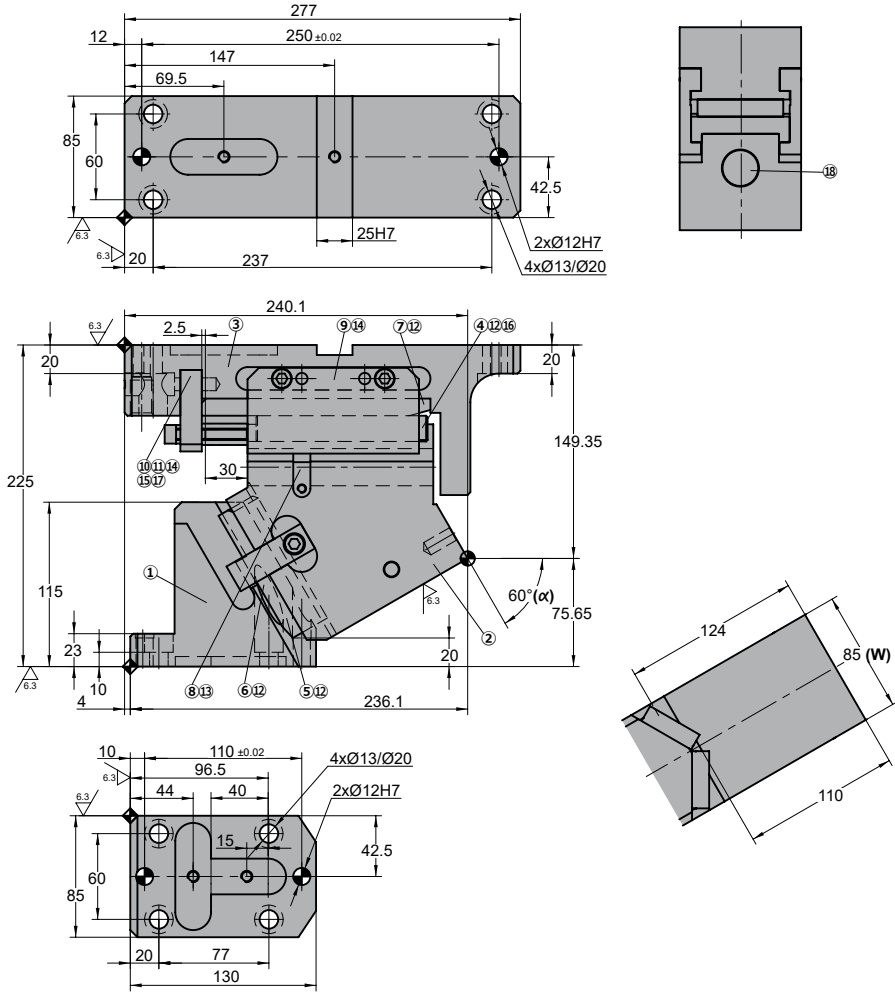
No.	Descripción	Qty.	Material
⑮	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

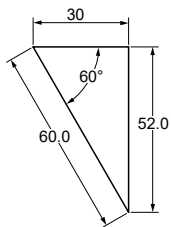
Aerial cam for pierce and flange



ASVX 0085 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
60.0	100.0 (10.2)	---	5170.4 (527.5)	25.4	ASVX	0085	60



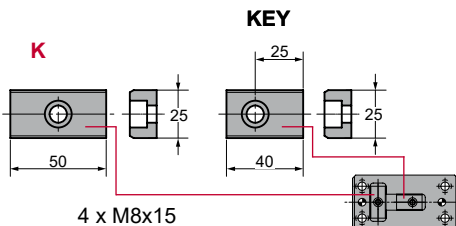
Order: Model (W) (α)

ASVX 0085 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: ~~Model~~ (W) (α)-Option



ASVX 0085 60-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F _f				
71.0	100.0 (10.2)	---	5170.4 (527.5)	25.7	ASVX	0085	65



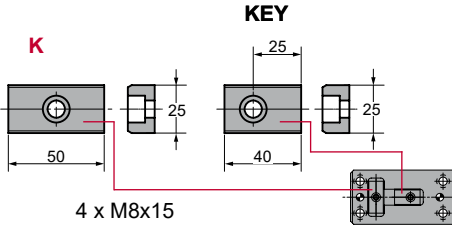
Order: Model (W) (α)

ASVX 0085 65

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K



Order Options: ~~Model~~ (W) (α)-Option



ASVX 0085 65-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

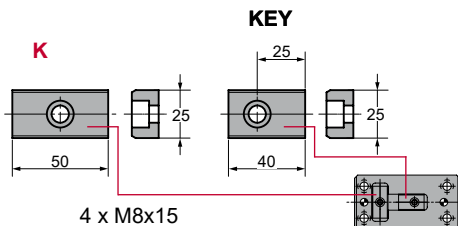
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
58.5	100.0 (10.2)	---	5205.5 (531.1)	26.2	ASVX	0085	70


Order: Model (W) (α)
ASVX 0085 70

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

Order Options: ~~Model~~ (W) (α)-Option

ASVX 0085 70-K

SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 60
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 55

No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 025

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
77.3	100.0 (10.2)	---	5205.5 (531.1)	28.3	ASVX	0085	75



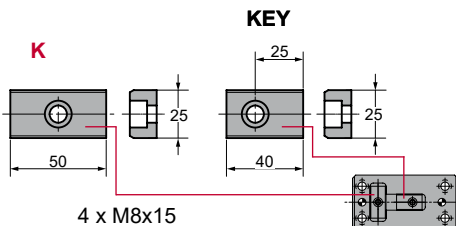
Order: Model (W) (α)

ASVX 0085 75

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: ~~Model~~ (W) (α)-Option



ASVX 0085 75-K



SPARE PARTS:

- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 60
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 55

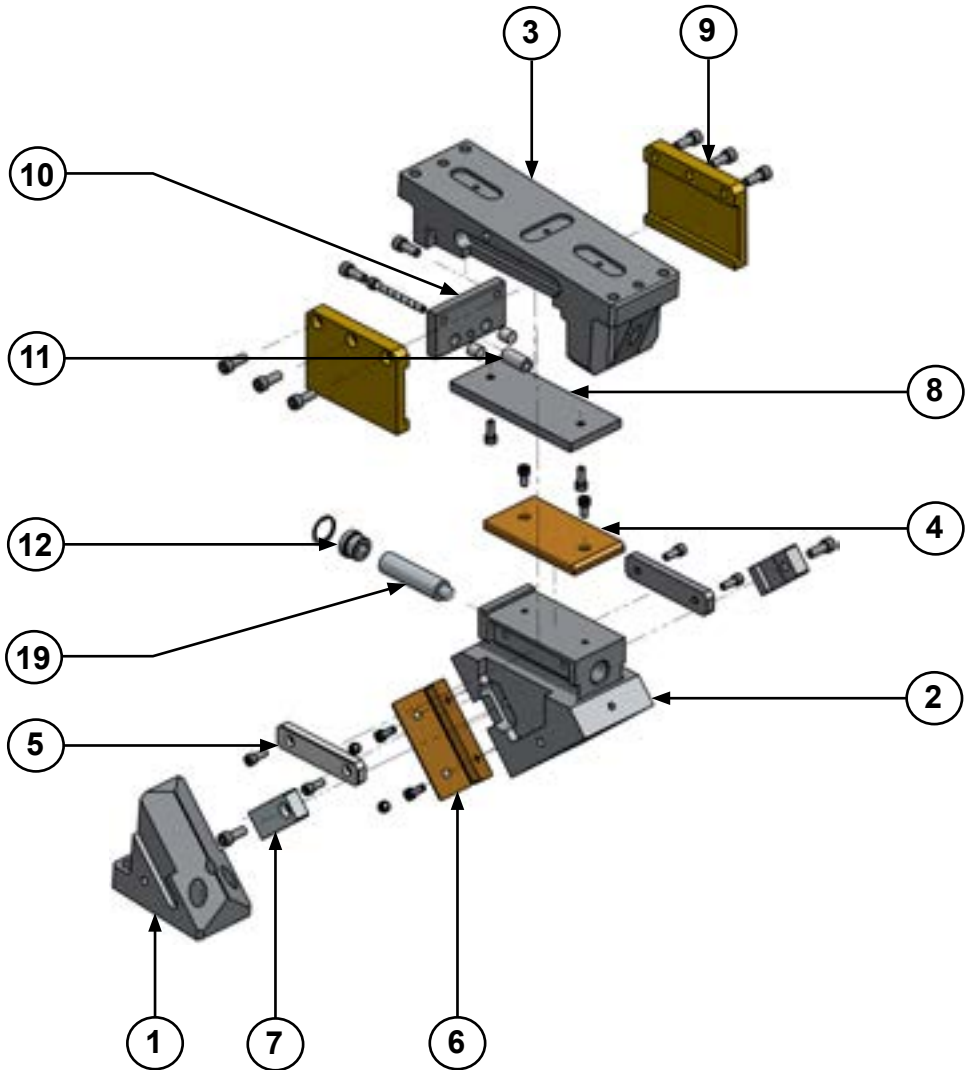
No.	Descripción	Qty.	Material
⑮	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 025

ASVX 0085

Aerial cam for pierce and flange

ASVX 0110

Aerial cam for pierce and flange

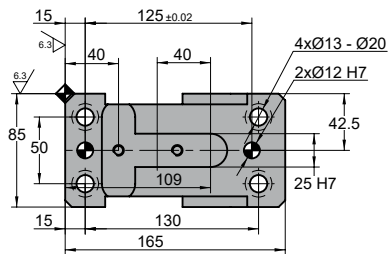
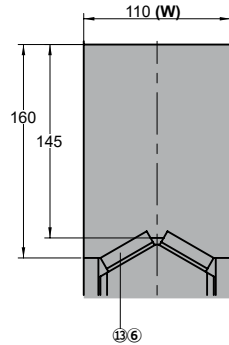
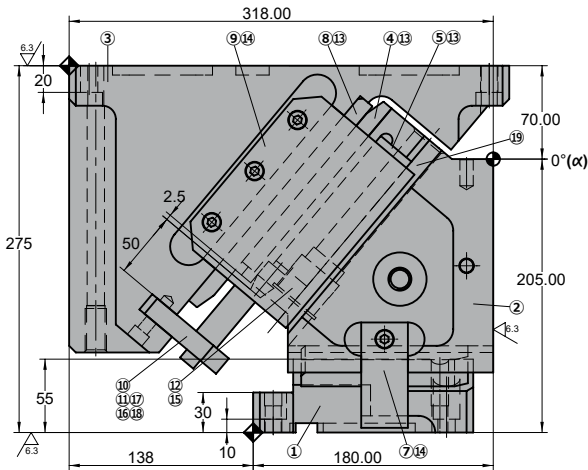
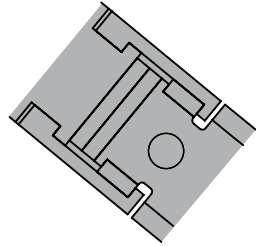
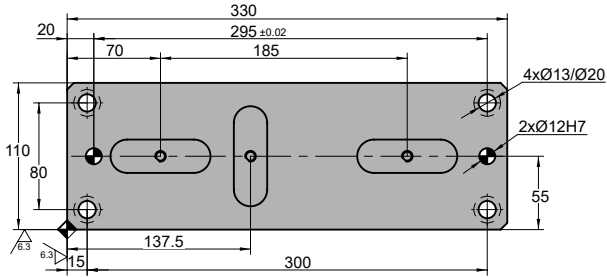


ASVX 0110

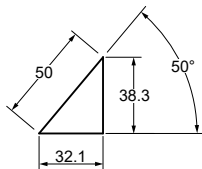
Aerial cam for pierce and flange



ASVX 0110 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
32.1	150.0 (15.3)	---	5479.9 (559.1)	51.5	ASVX	0110	00



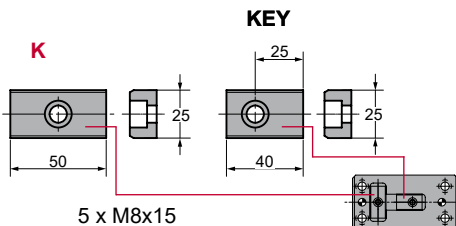
Order: Model (W) (α)

ASCB 0110 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 00-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

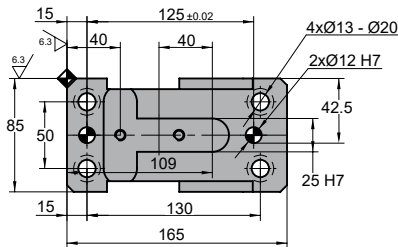
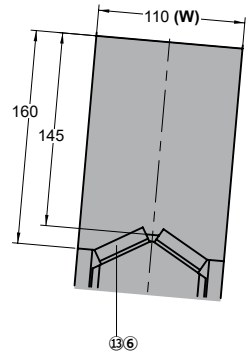
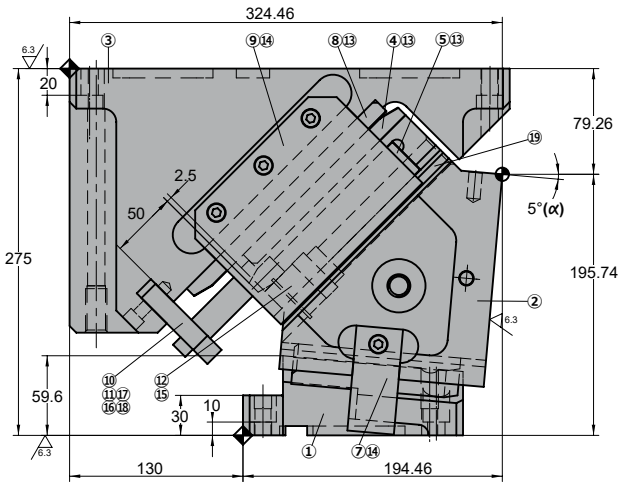
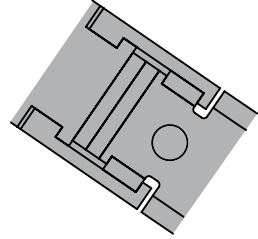
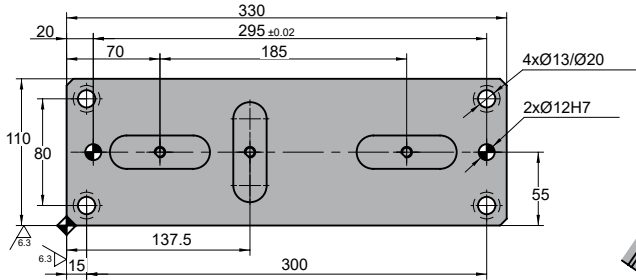
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

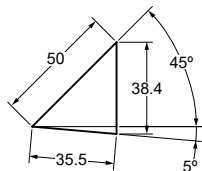
Aerial cam for pierce and flange



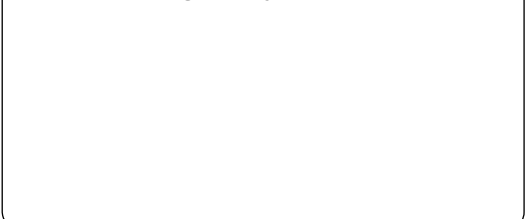
ASVX 0110 05



◦ **Diagrama del carro:**



◦ **Despiece del soporte:**



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
35.5	150.0 (15.3)	---	5479.9 (559.1)	50.4	ASVX	0110	05



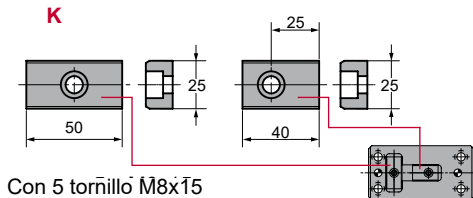
Order: **Model (W) (α)**

ASVX 0110 05

Ejemplo de pedido: **ASVX 0110 05**
 Reducción de costes al aplicar opciones de catálogo.
 Reducing costs by applying options from the catalogue.

OPCIONES

K



CHAVETA

Order Options: **Model (W) (α)-Option**



ASVX 0110 05-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTES

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

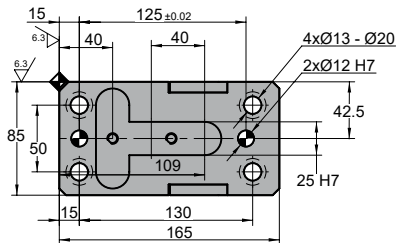
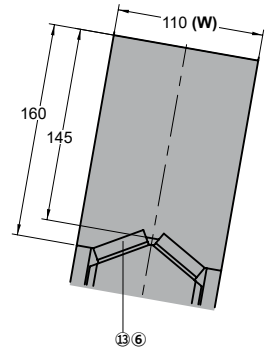
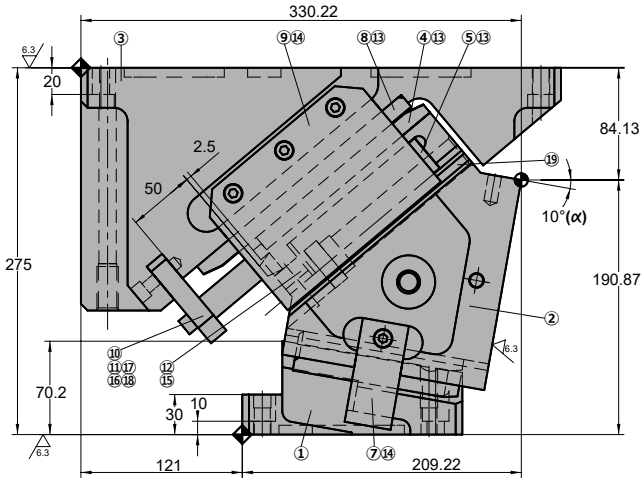
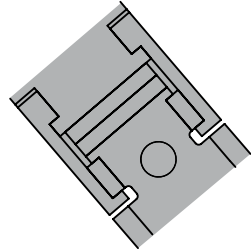
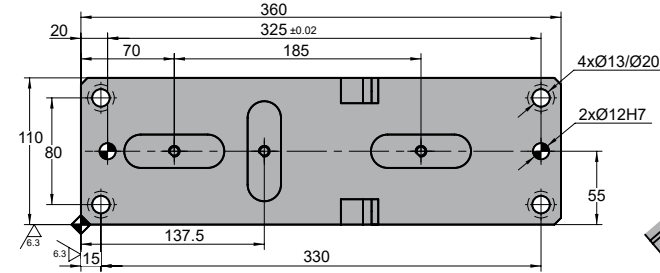
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

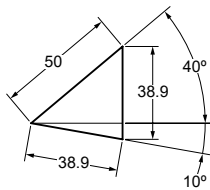
Aerial cam for pierce and flange



ASVX 0110 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.9	150.0 (15.3)	---	5479.9 (559.1)	50.2	ASVX	0110	10



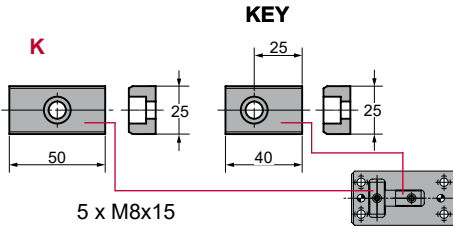
Order: Model (W) (α)

ASVX 0110 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 10-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

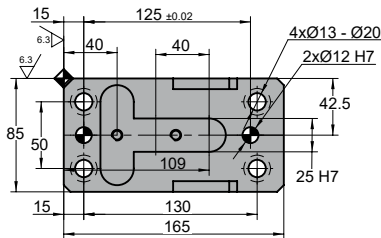
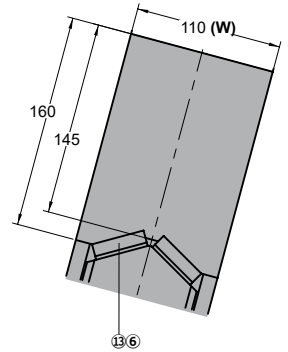
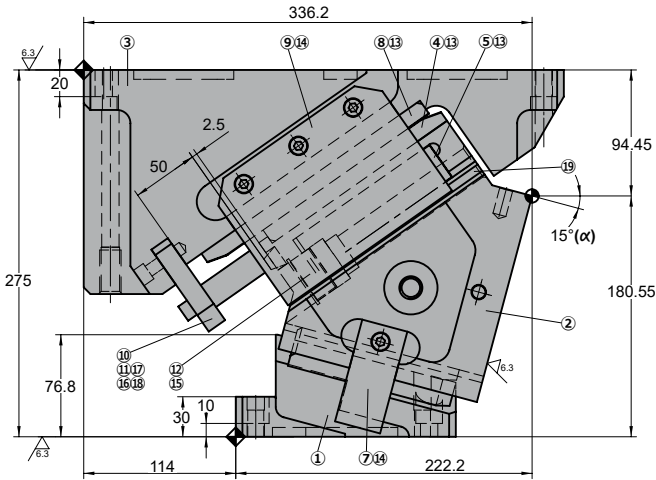
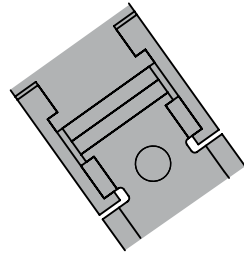
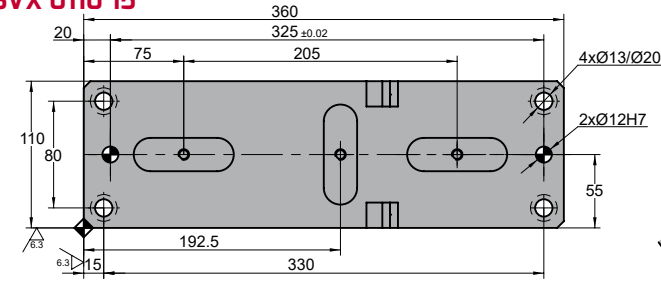
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

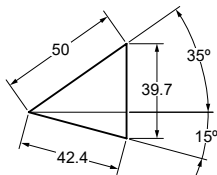
Aerial cam for pierce and flange



ASVX 0110 15



◦Cam diagram:



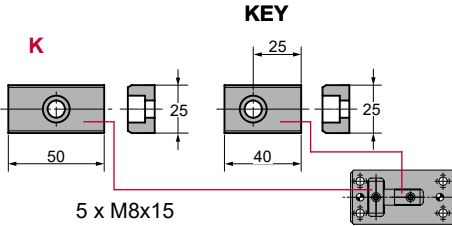
◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.4	150.0 (15.3)	---	5479.9 (559.1)	51.3	ASVX	0110	15


Order: Model (W) (α)
ASVX 0110 15

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

Order Options: Model (W) (α)-Option

ASVX 0110 15-K

SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

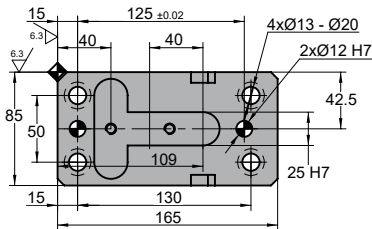
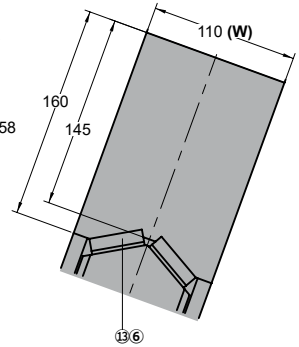
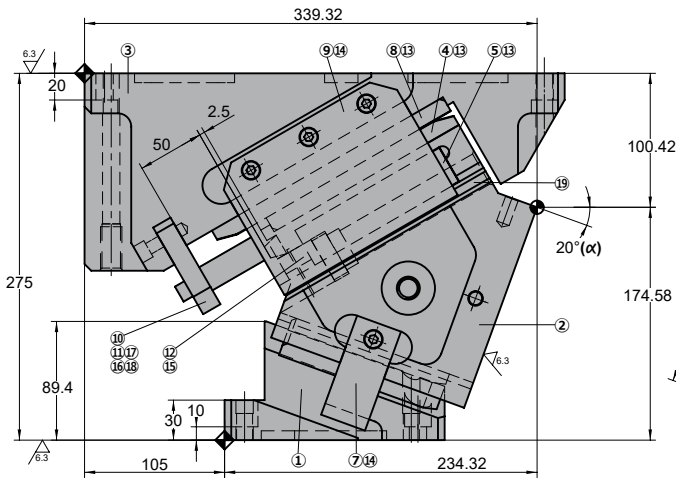
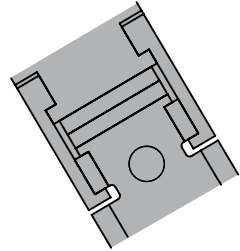
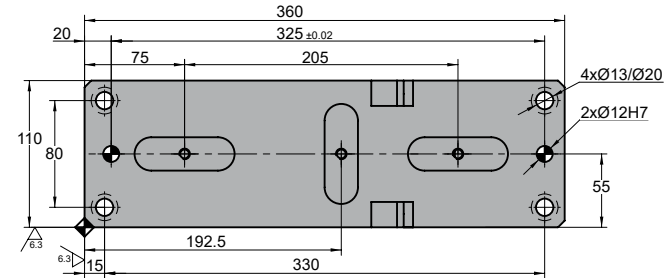
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

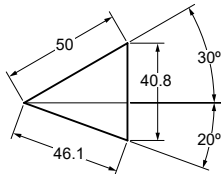
Aerial cam for pierce and flange



ASVX 0110 20



◦Cam diagram:



◦Desassembling space:

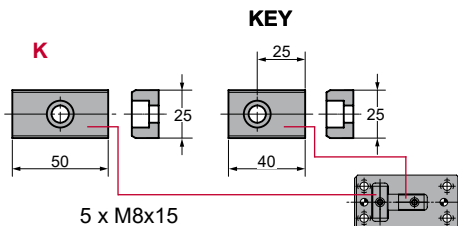


Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
46.1	150.0 (15.3)	---	5479.9 (559.1)	49.7	ASVX	0110	20


Order: Model (W) (α)
ASVX 0110 20

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

Order Options: Model (W) (α)-Option

ASVX 0110 20-K

SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

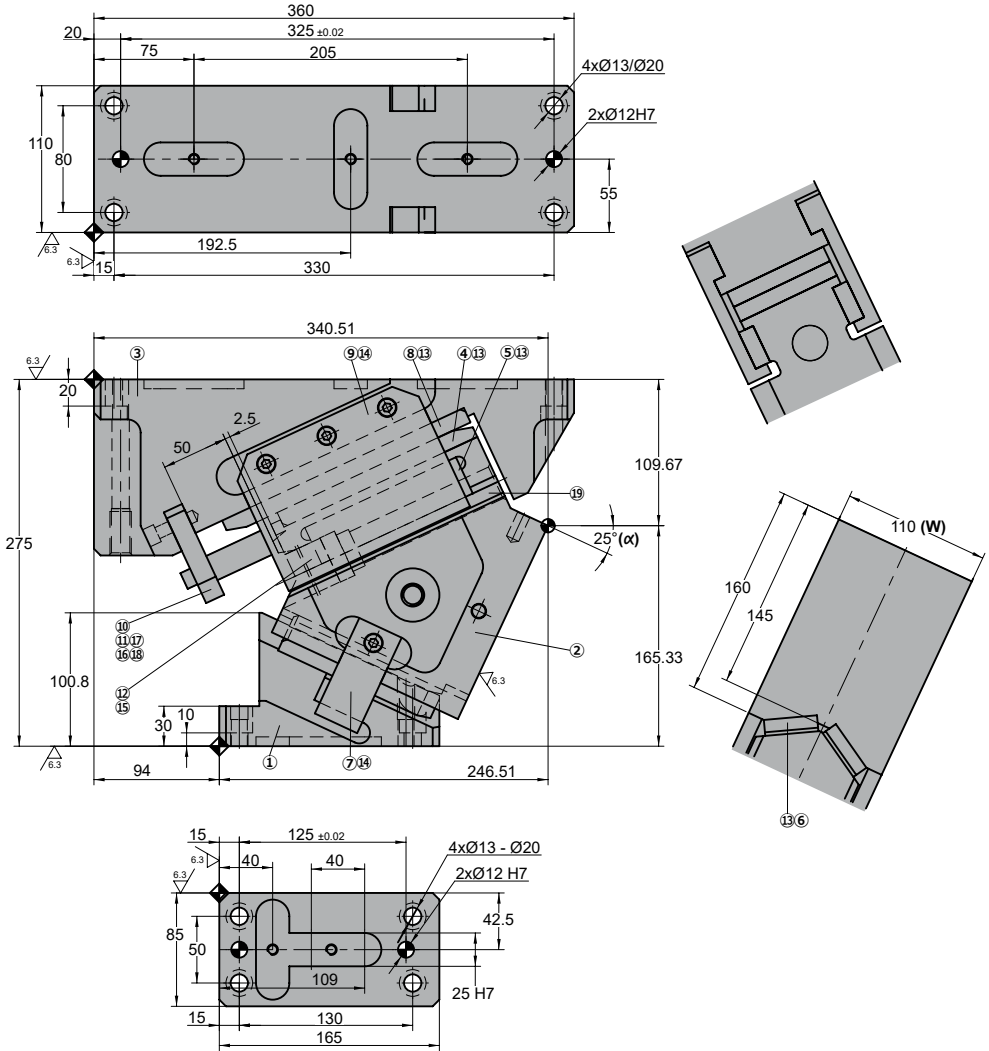
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

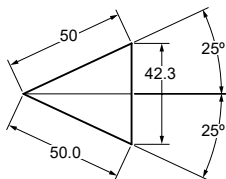
Aerial cam for pierce and flange



ASVX 0110 25



◦Cam diagram:



◦Desassembling space:

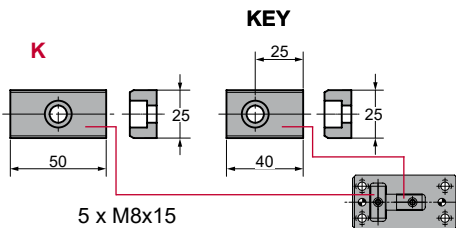


Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
50.0	150.0 (15.3)	---	5479.9 (559.1)	49.0	ASVX	0110	25


Order: Model (W) (α)
ASVX 0110 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

Order Options: Model (W) (α)-Option

ASVX 0110 25-K

SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

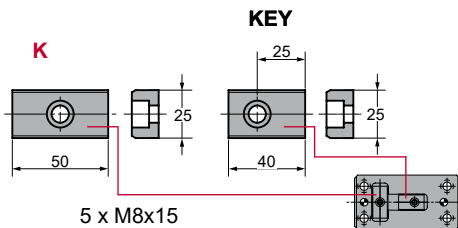
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
54.3	150.0 (15.3)	---	5479.9 (559.1)	49.5	ASVX	0110	30


Order: Model (W) (α)
ASVX 0110 30

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

Order Options: Model (W) (α)-Option

ASVX 0110 30-K

SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
59.0	150.0 (15.3)	---	5479.9 (559.1)	48.6	ASVX	0110	35



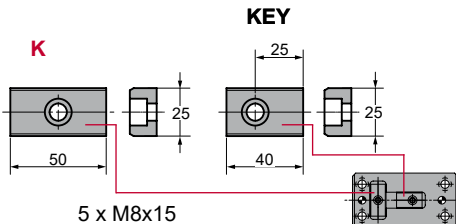
Order: Model (W) (α)

ASVX 0110 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 35-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

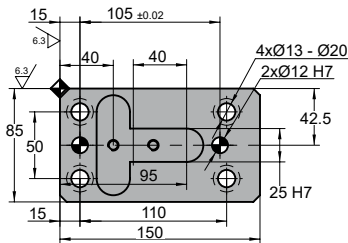
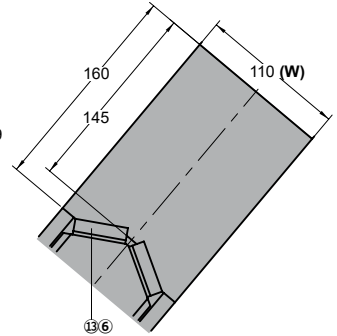
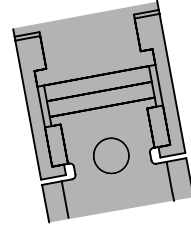
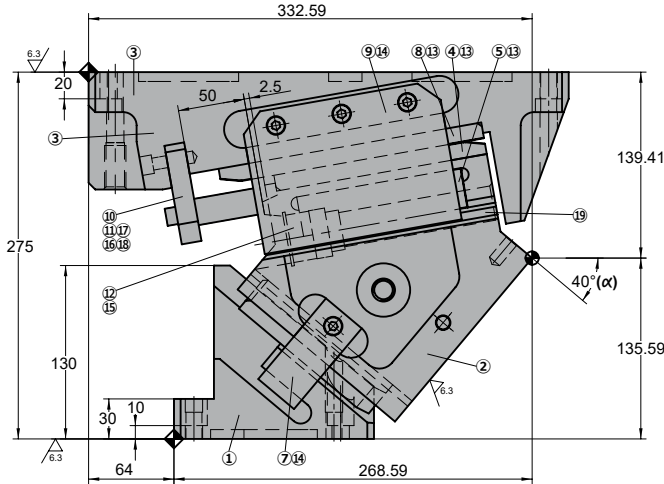
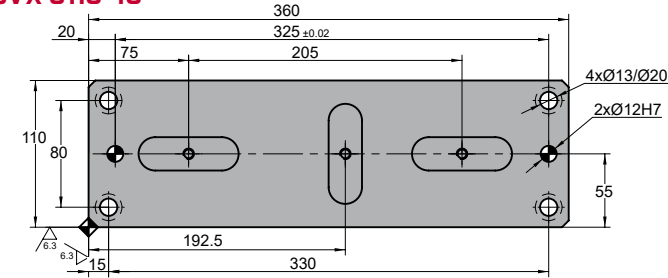
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

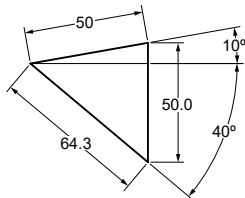
Aerial cam for pierce and flange



ASVX 0110 40



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
64.3	150.0 (15.3)	---	5479.9 (559.1)	46.3	ASVX	0110	40



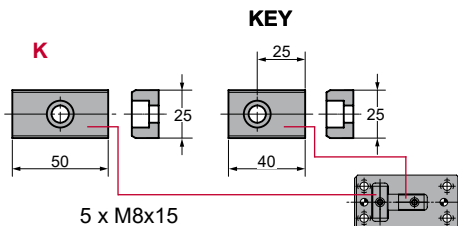
Order: Model (W) (α)

ASVX 0110 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 40-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

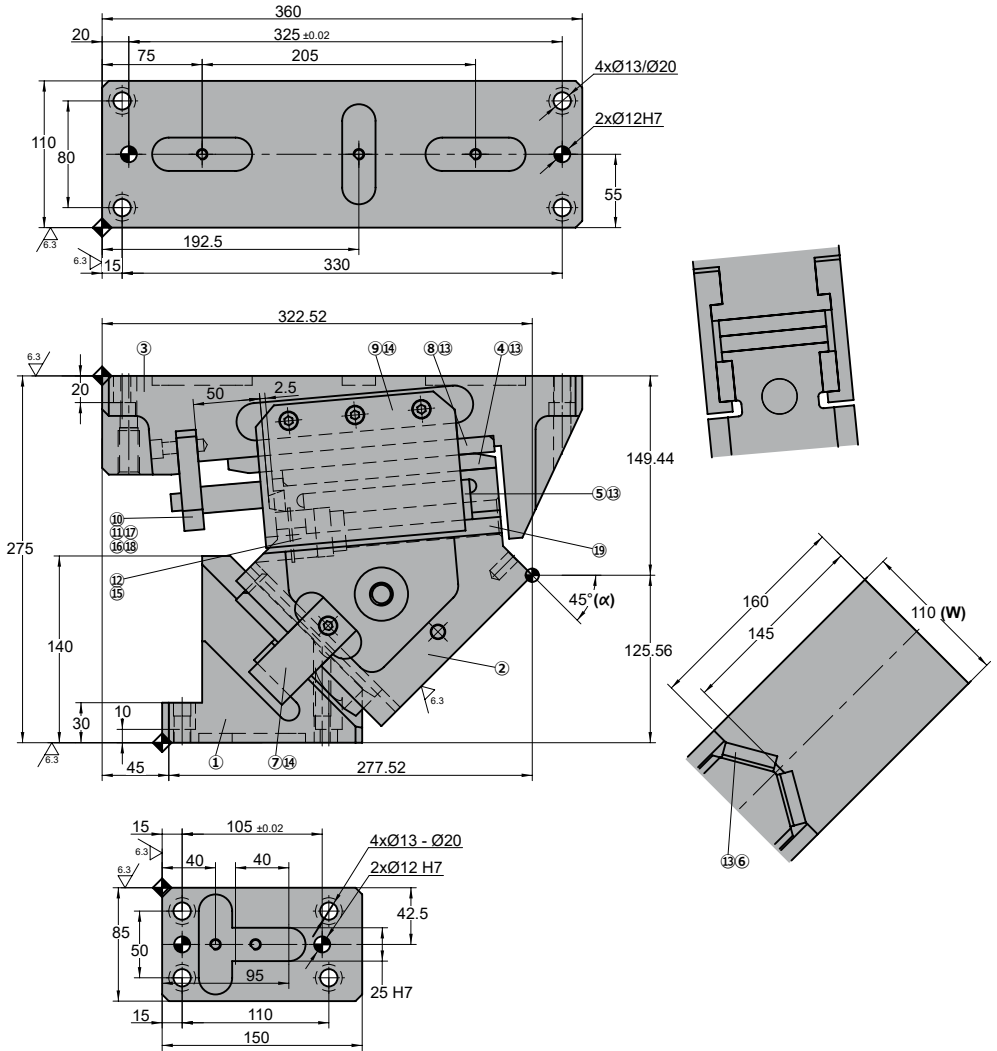
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

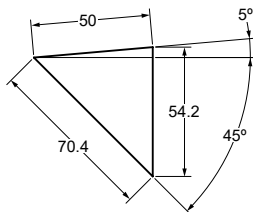
Aerial cam for pierce and flange



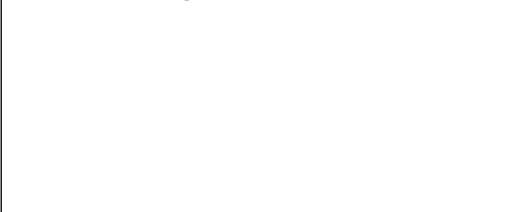
ASVX 0110 45



◦Cam diagram:



◦Desassembling space:

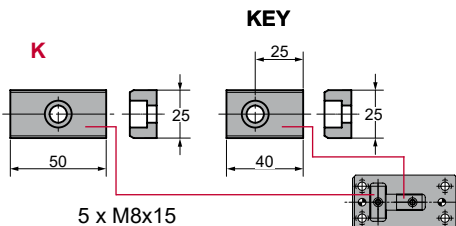


Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
70.4	150.0 (15.3)	---	5479.9 (559.1)	46.6	ASVX	0110	45


Order: Model (W) (α)
ASVX 0110 45

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K

Order Options: Model (W) (α)-Option

ASVX 0110 45-K

SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

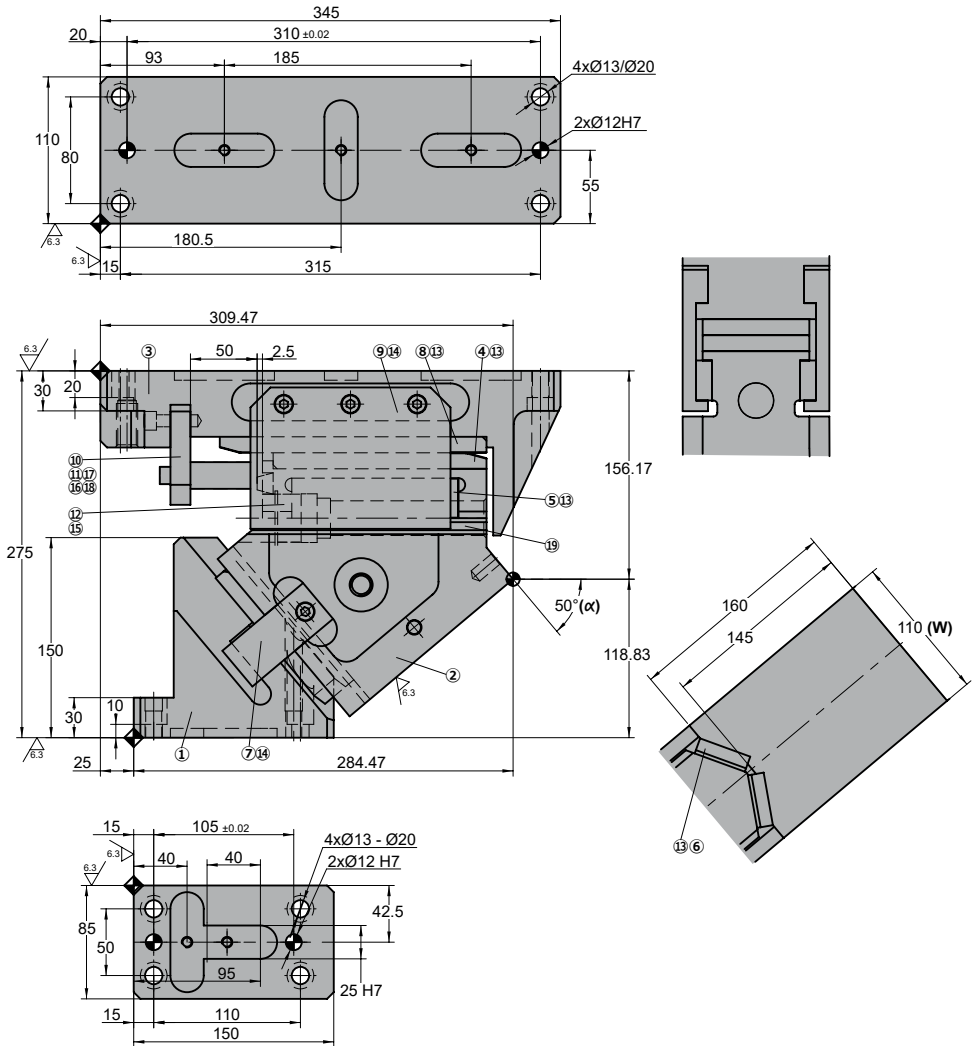
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

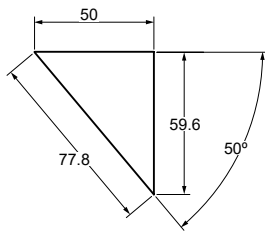
Aerial cam for pierce and flange



ASVX 0110 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.8	150.0 (15.3)	---	5479.9 (559.1)	45.4	ASVX	0110	50



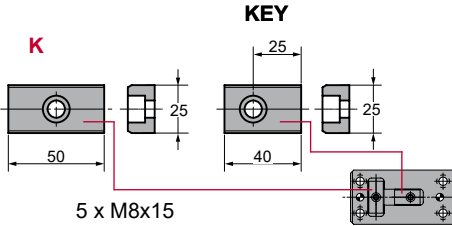
Order: Model (W) (α)

ASVX 0110 50

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 50-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

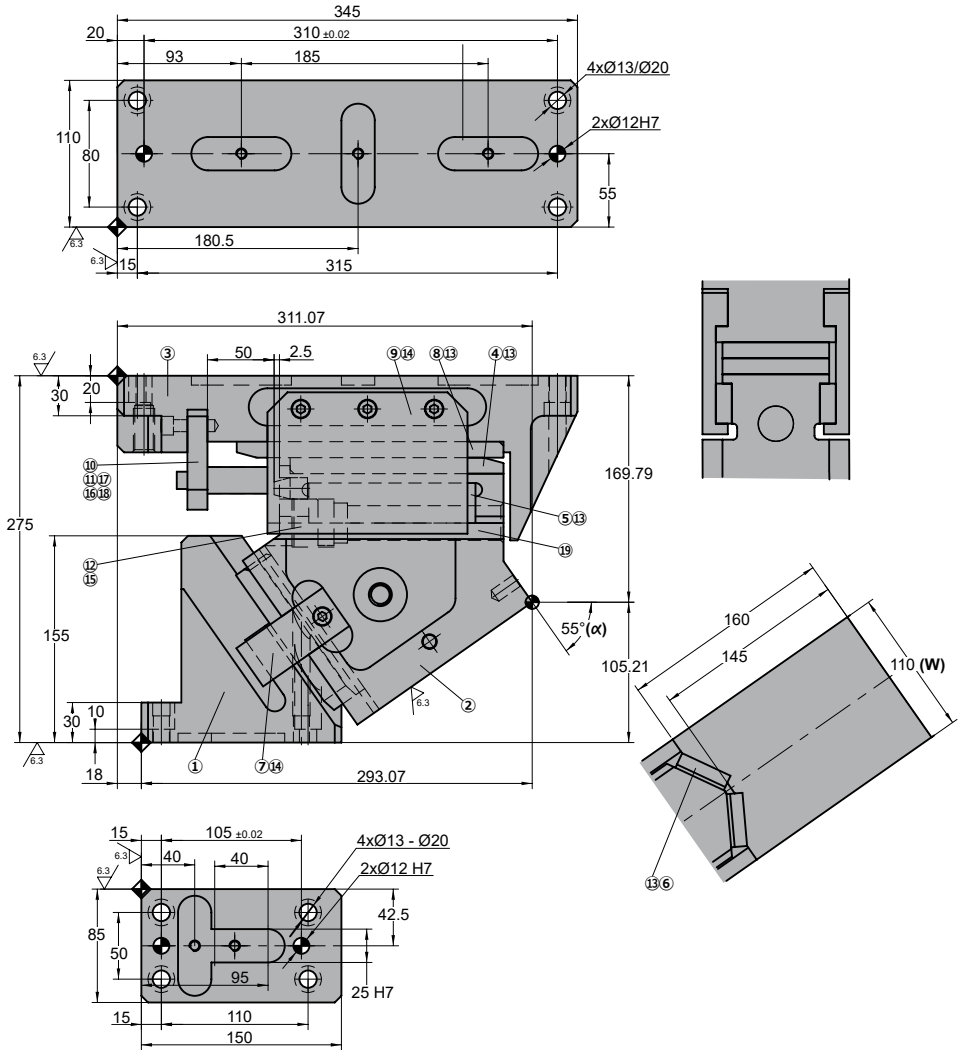
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

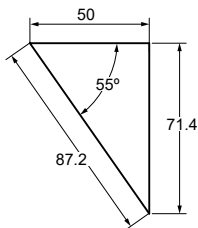
Aerial cam for pierce and flange



ASVX 0110 55



◦Cam diagram:



◦Desassembling space:

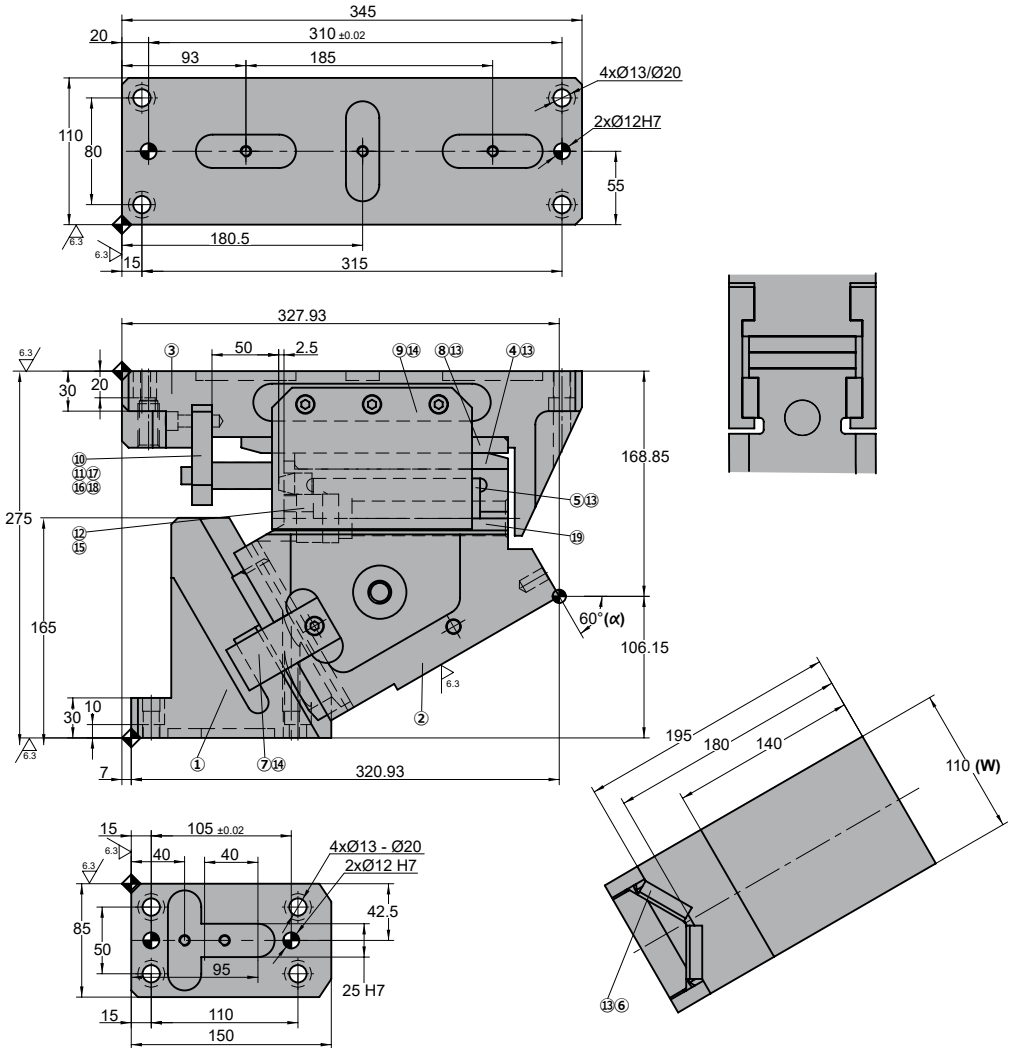


ASVX 0110

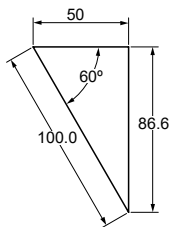
Aerial cam for pierce and flange



ASVX 0110 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
100.0	150.0 (15.3)	---	5479.9 (559.1)	47.9	ASVX	0110	60



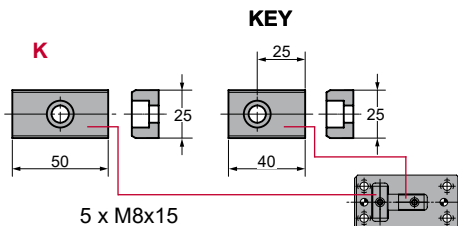
Order: Model (W) (α)

ASVX 0110 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 60-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

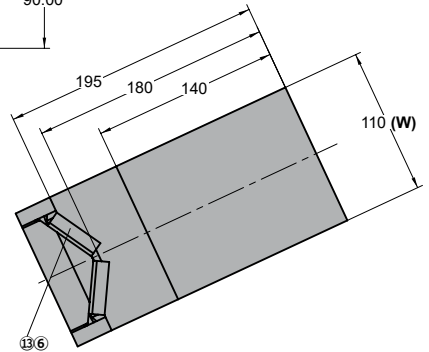
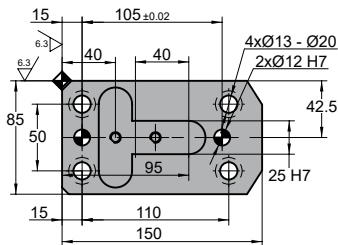
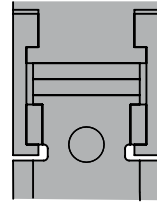
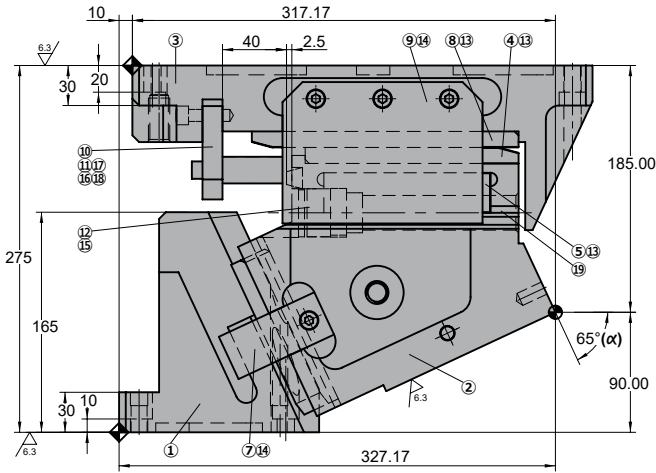
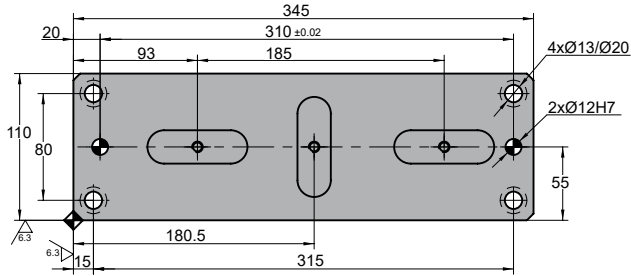
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

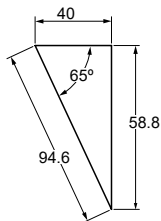
Aerial cam for pierce and flange



ASVX 0110 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
94.6	150.0 (15.3)	---	5501.2 (561.3)	48.9	ASVX	0110	65



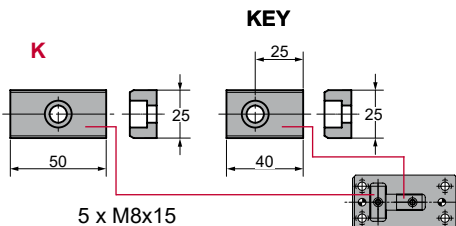
Order: Model (W) (α)

ASVX 0110 65

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 65-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

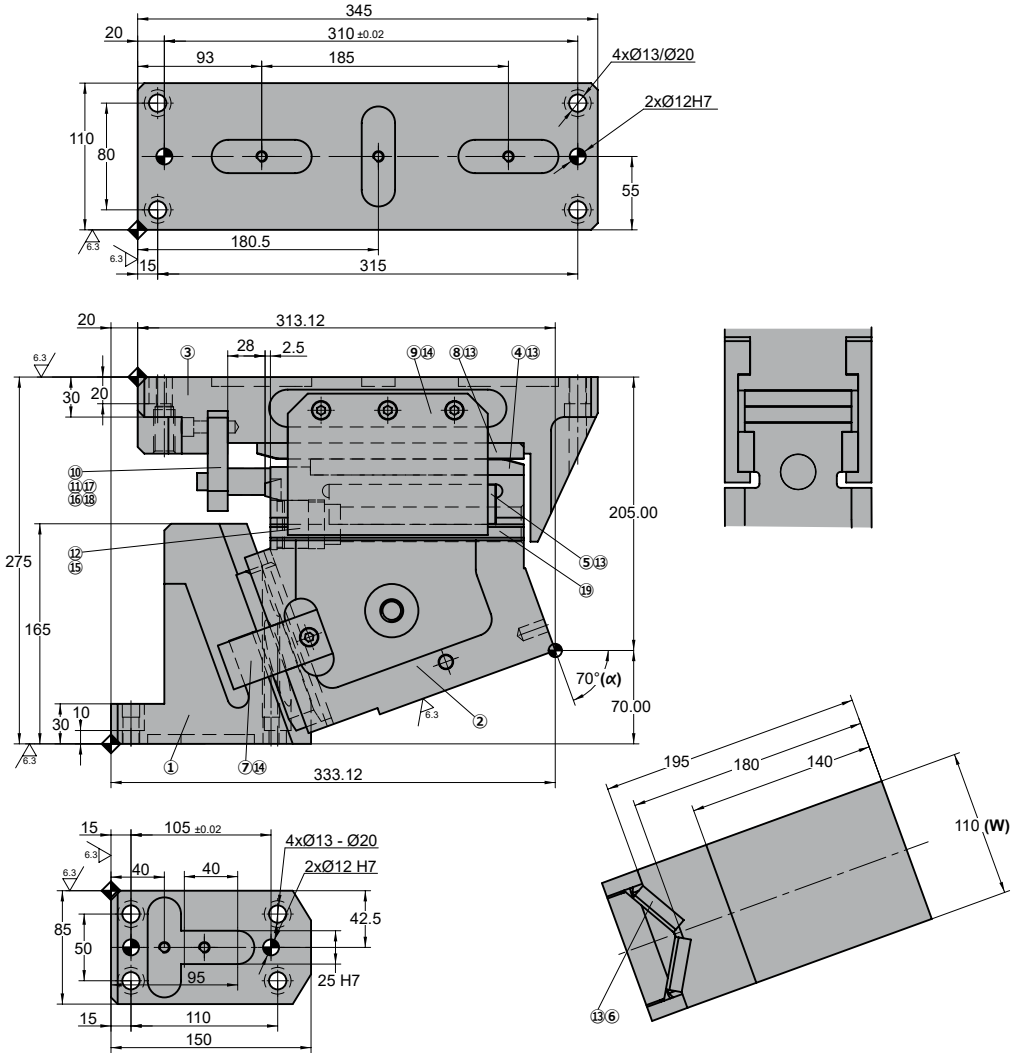
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 75
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 050

ASVX 0110

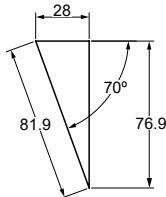
Aerial cam for pierce and flange



ASVX 0110 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
81.9	150.0 (15.3)	---	5193.0 (529.9)	50.8	ASVX	0110	70



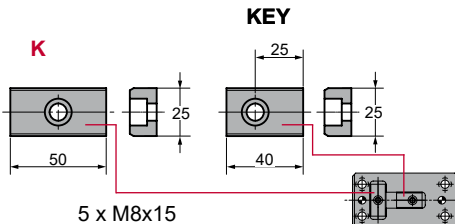
Order: Model (W) (α)

ASVX 0110 70

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 70-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

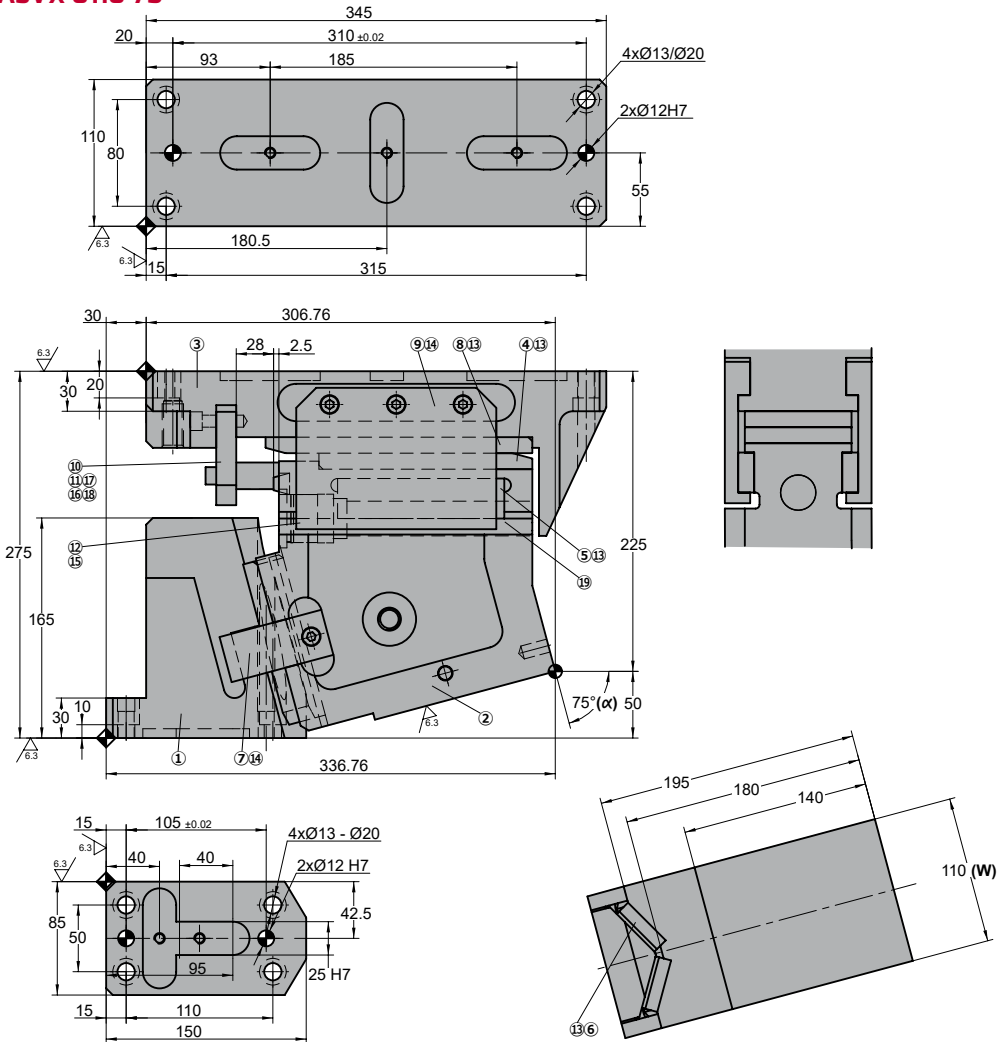
No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 60
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 038

ASVX 0110

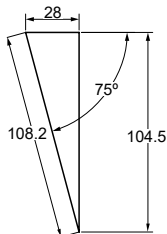
Aerial cam for pierce and flange



ASVX 0110 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
108.2	150.0 (15.3)	---	5193.0 (529.9)	52.6	ASVX	0110	75



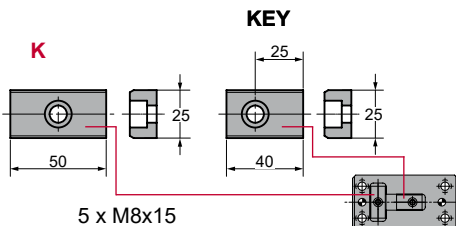
Order: Model (W) (α)

ASVX 0110 75

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K



Order Options: Model (W) (α)-Option



ASVX 0110 75-K



SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

No.	Descripción	Qty.	Material
⑮	Screw	2	M10 x 20
⑰	Screw	1	M8 x 60
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 038

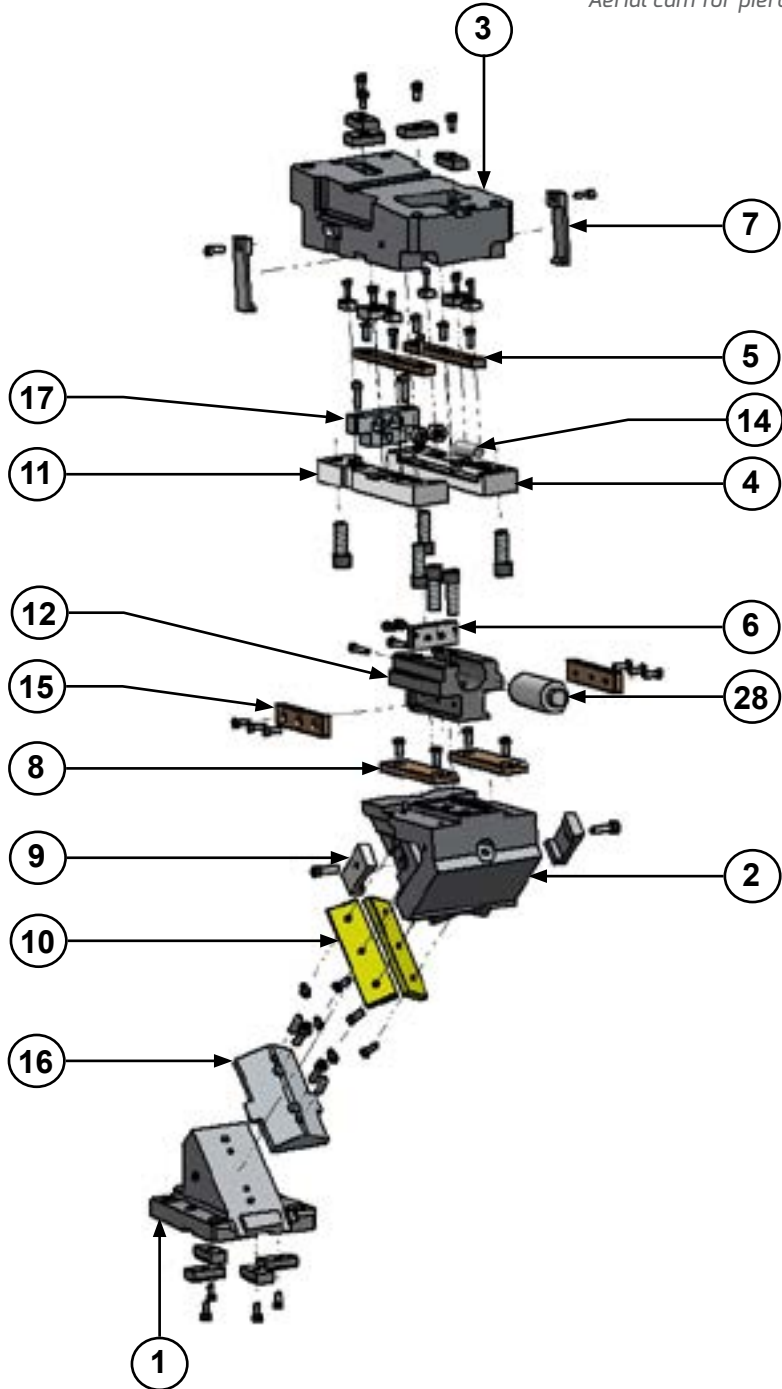
ASVX 0110



Aerial cam for pierce and flange

ASVX 0165

Aerial cam for pierce and flange

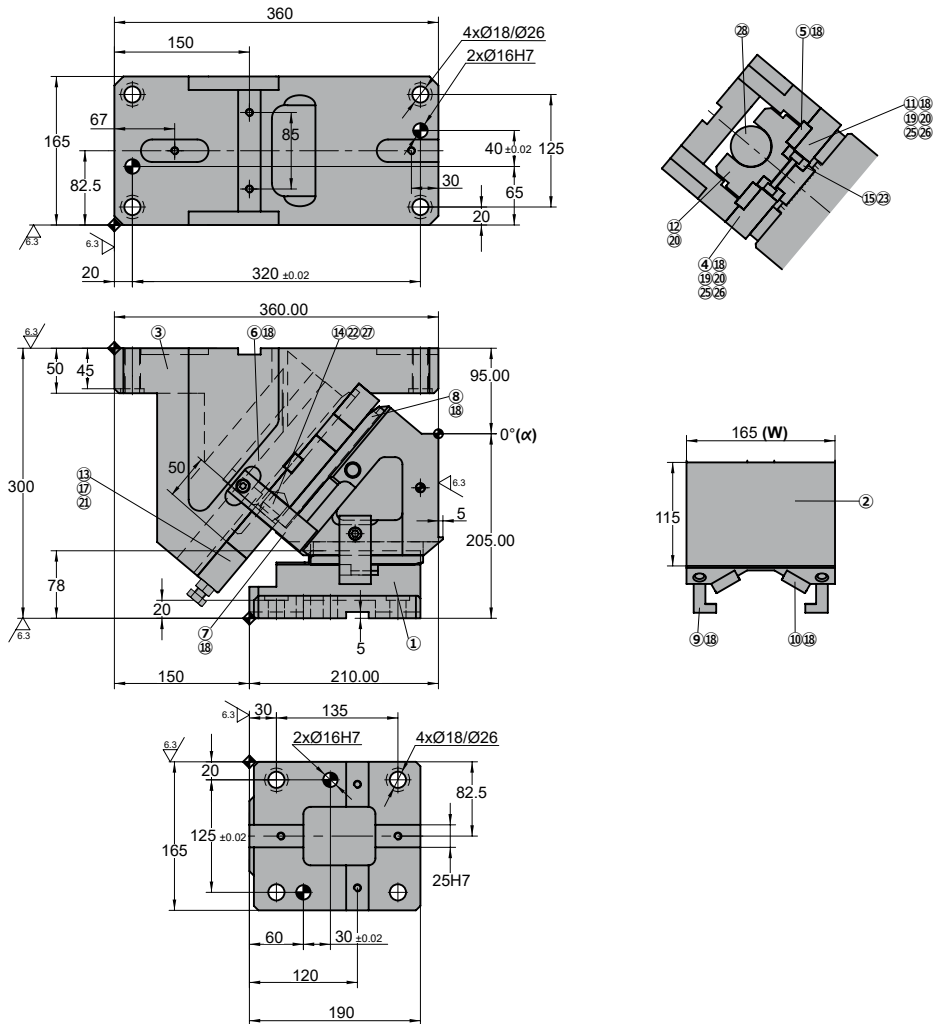


ASVX 0165

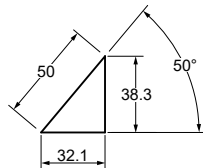
Aerial cam for pierce and flange



ASVX 0165 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
32.1	171.0 (17.4)	7400.0 (755.1)	10766.2 (1098.5)	75.1	ASVX	0165	00



Order: Model (W) (α)

ASVX 0165 00

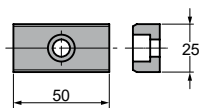
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 00-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

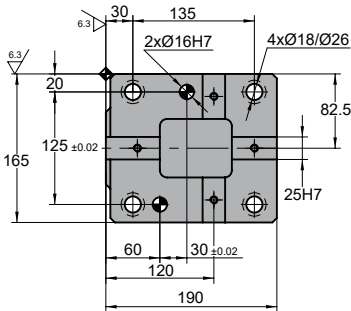
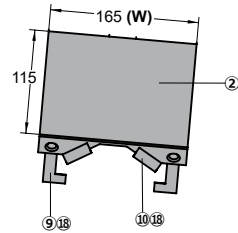
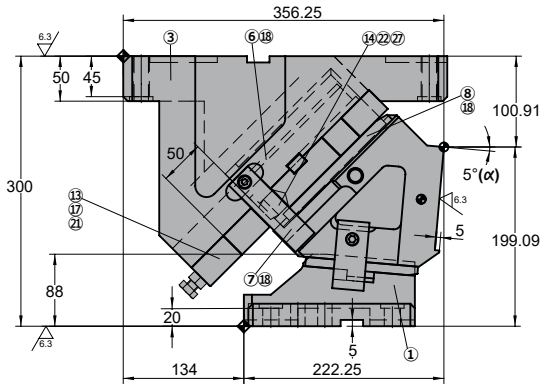
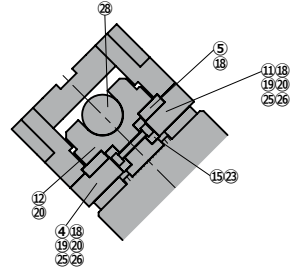
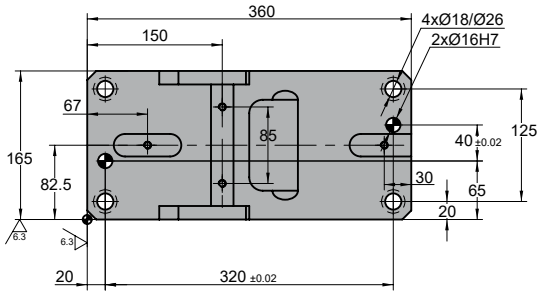
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

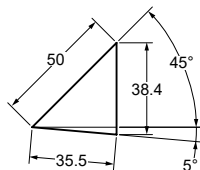
Aerial cam for pierce and flange



ASVX 0165 05



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
35.5	171.0 (17.4)	7400.0 (755.1)	10766.2 (1098.5)	72.9	ASVX	0165	05



Order: Model (W) (α)

ASVX 0165 05

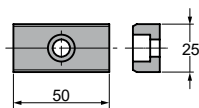
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 05-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

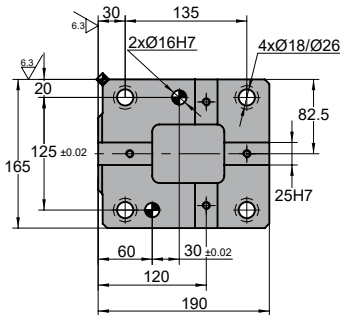
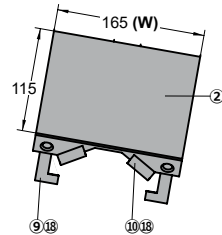
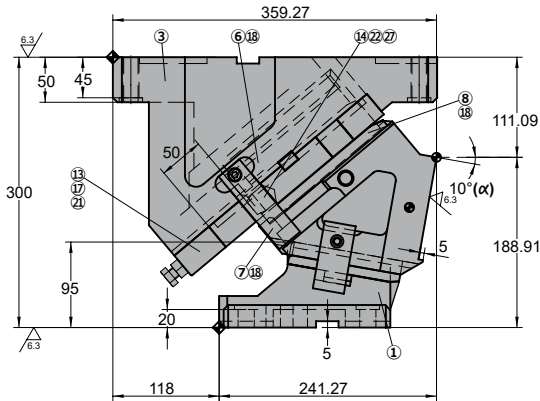
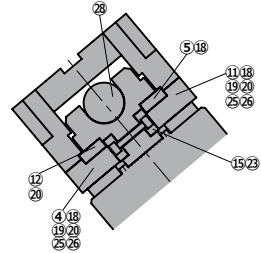
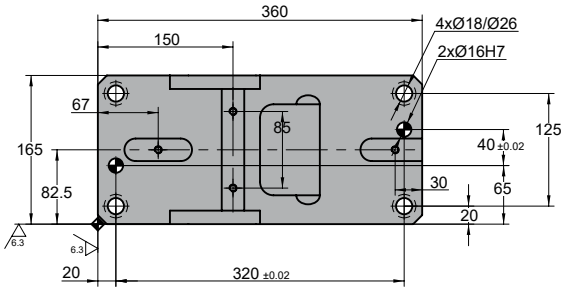
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

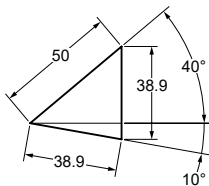
Aerial cam for pierce and flange



ASVX 0165 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.9	171.0 (17.4)	---	10766.2 (1098.5)	72.1	ASVX	0165	10



Order: Model (W) (α)

ASVX 0165 10

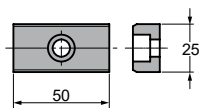
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 10-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

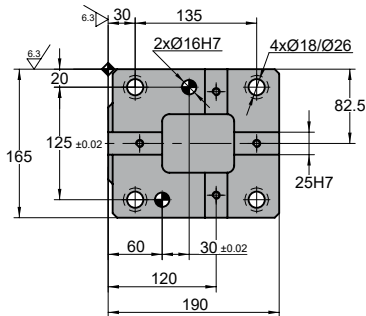
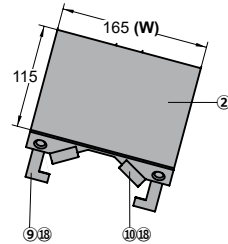
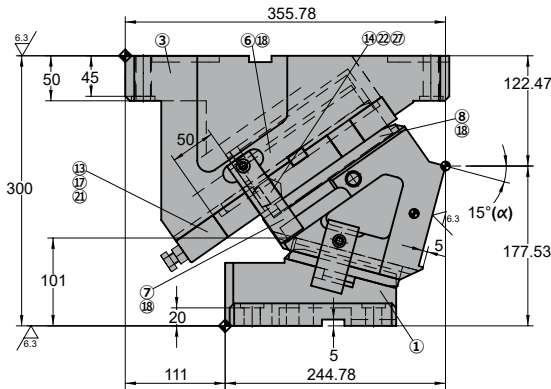
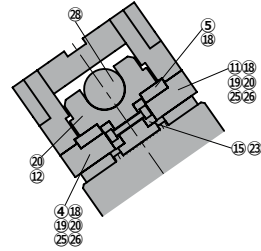
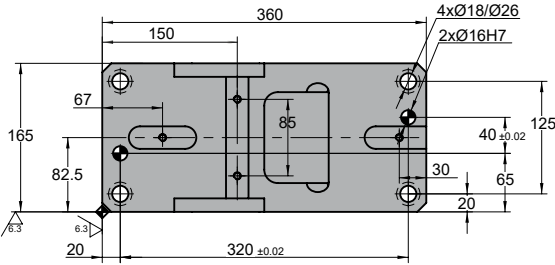
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

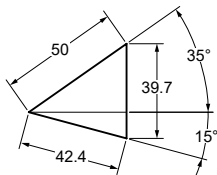
Aerial cam for pierce and flange



ASVX 0165 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
42.4	171.0 (17.4)	---	10766.2 (1098.5)	71.6	ASVX	0165	15



Order: Model (W) (α)

ASVX 0165 15

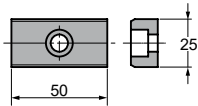
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 15-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

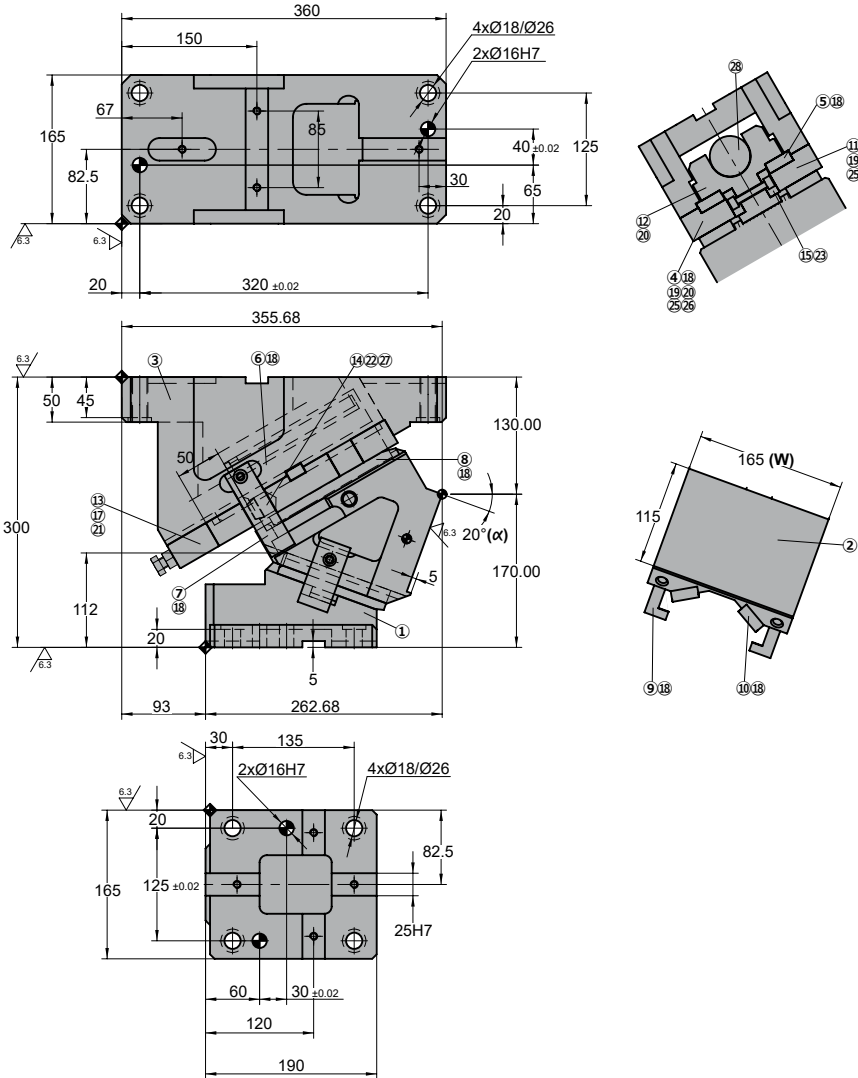
No.	Descripción	Qty.	Material	No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60	⑮	Slider Plate 4	4	Bronze + G
②	Cam Slider	1	GGG60	⑯	Slide Guide	1	CK45
③	Cam Holder	1	GGG60	⑰	Stopper Plate	1	CK45
④	Right Base Plate	1	CK45	⑱	Screw	16	M8 x 20
⑤	Slider Plate 1	2	Bronze + G	⑲	Screw	4	M6 x 20
⑥	Spring Guide	1	CK45	⑳	Screw	6	M16 x 45
⑦	Uña extractora 1	2	CK45	㉑	Screw	2	M8 x 30
⑧	Slider Plate 2	2	Bronze + G	㉒	Screw	2	M12 x 140
⑨	Positive Return	2	CK45	㉓	Screw	4	M8 x 15
⑩	Slider Plate 3	2	Bronze + G	㉔	Screw	2	M10 x 35
⑪	Left Base Plate	1	CK45	㉕	Key	4	CK45
⑫	Spring Guide	1	CK45	㉖	Key	2	CK45
⑬	Stopper	1	Urethane	㉗	Nut	2	M12
⑭	Locking Stopper	1	CK45	㉘	Gas Spring	1	CW 750 063

ASVX 0165

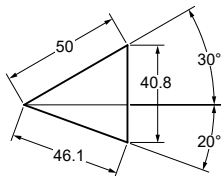
Aerial cam for pierce and flange



ASVX 0165 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.1	171.0 (17.4)	---	10766.2 (1098.5)	70.3	ASVX	0165	20



Order: Model (W) (α)

ASVX 0165 20

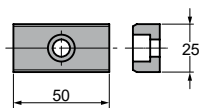
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 20-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

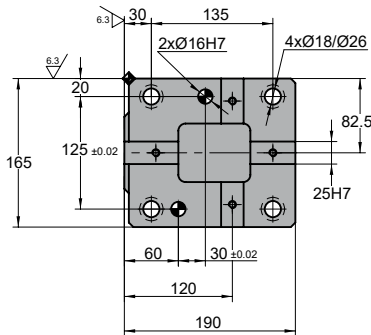
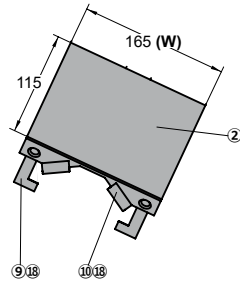
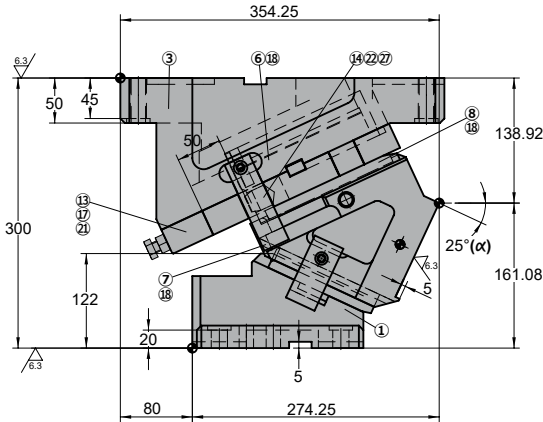
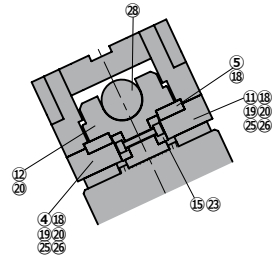
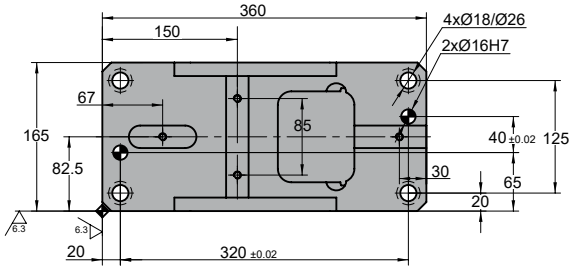
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

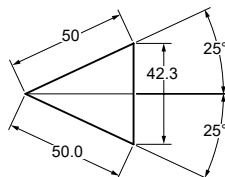
Aerial cam for pierce and flange



ASVX 0165 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
50	171.0 (17.4)	---	10766.2 (1098.5)	69.8	ASVX	0165	25



Order: Model (W) (α)

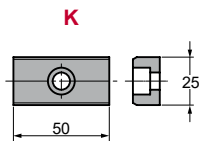
ASVX 0165 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 25-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

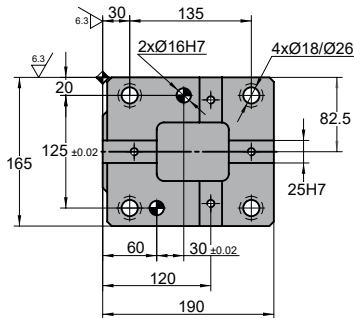
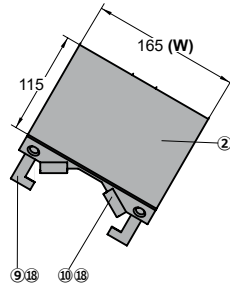
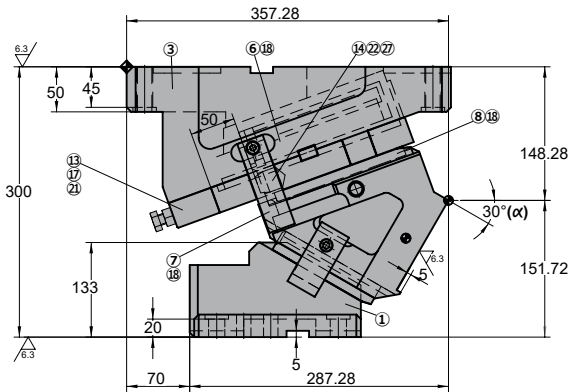
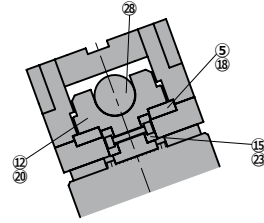
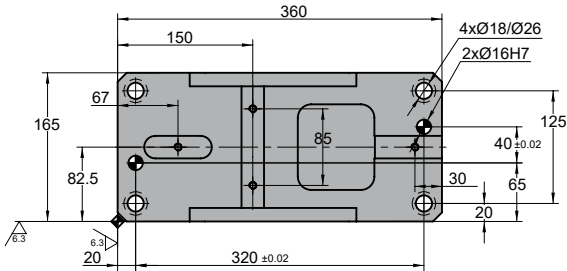
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

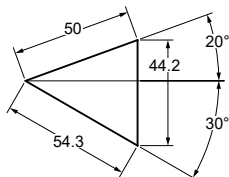
Aerial cam for pierce and flange



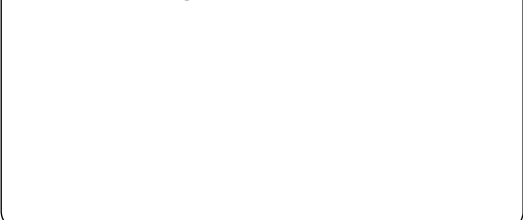
ASVX 0165 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
54.3	171.0 (17.4)	---	10766.2 (1098.5)	69.0	ASVX	0165	30



Order: Model (W) (α)

ASVX 0165 30

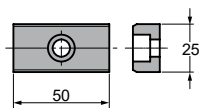
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 30-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

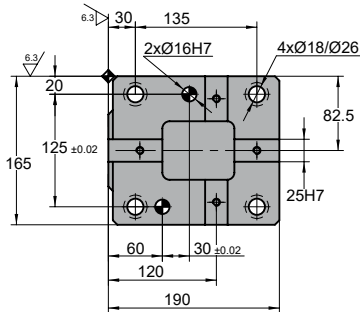
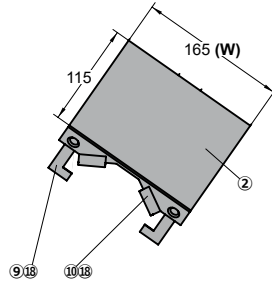
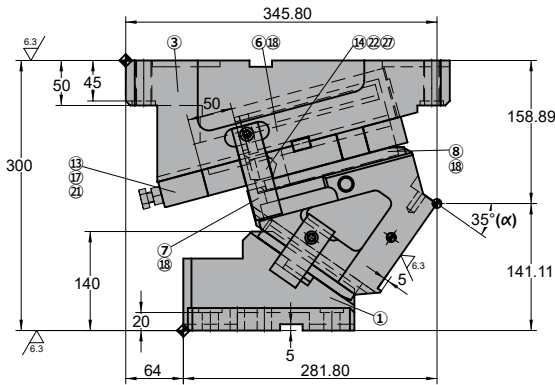
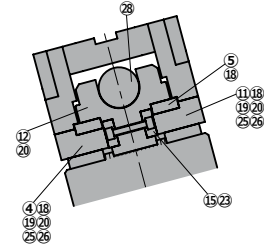
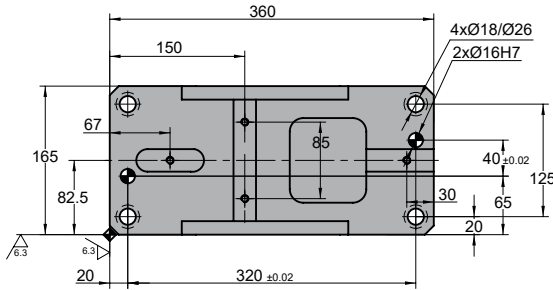
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

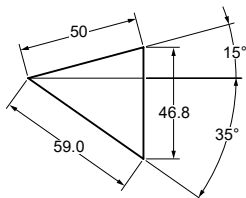
Aerial cam for pierce and flange



ASVX 0165 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
59.0	171.0 (17.4)	---	10766.2 (1098.5)	69.4	ASVX	0165	35



Order: Model (W) (α)

ASVX 0165 35

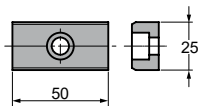
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 35-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

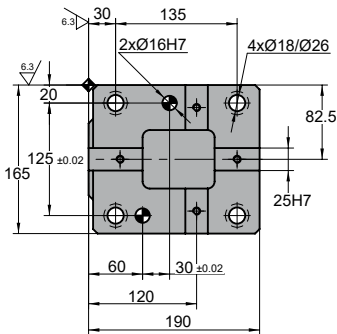
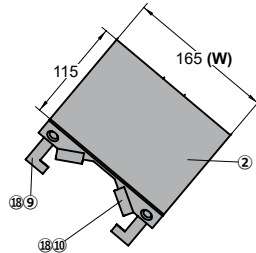
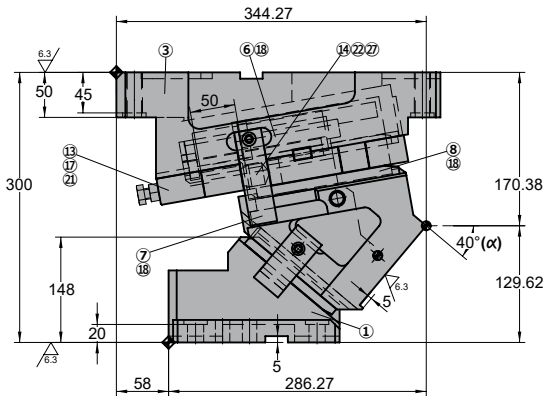
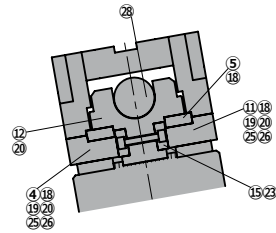
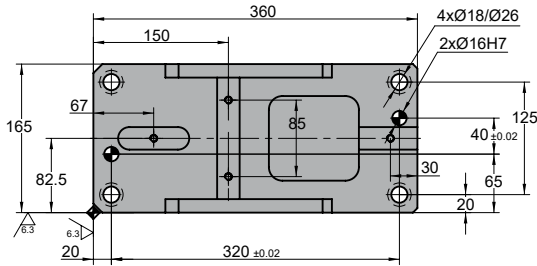
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

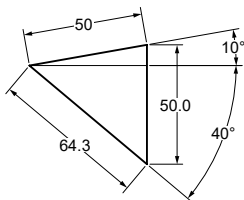
Aerial cam for pierce and flange



ASVX 0165 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
64.3	171.0 (17.4)	---	10766.2 (1098.5)	69.3	ASVX	0165	40



Order: Model (W) (α)

ASVX 0165 40

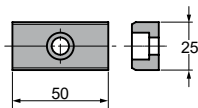
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 40-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

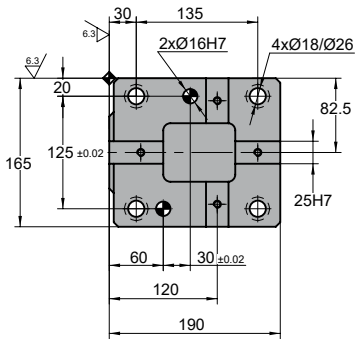
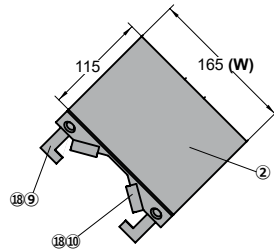
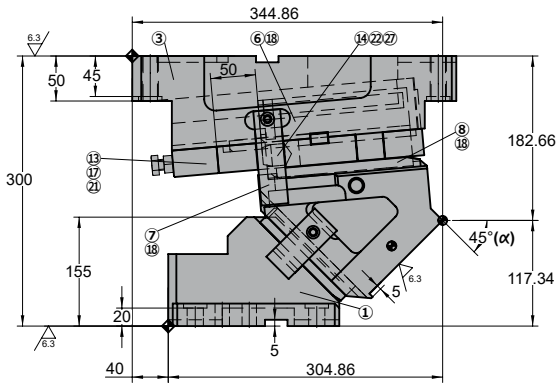
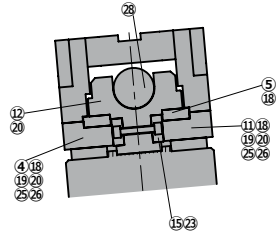
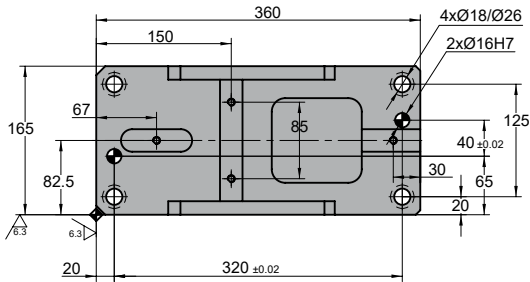
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

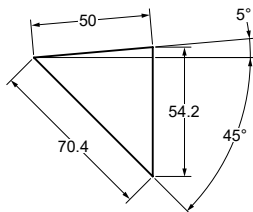
Aerial cam for pierce and flange



ASVX 0165 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
70.4	171.0 (17.4)	---	10766.2 (1098.5)	70.3	ASVX	0165	45



Order: Model (W) (α)

ASVX 0165 45

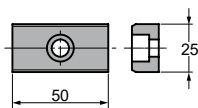
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 45-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

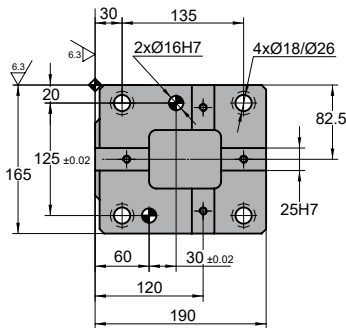
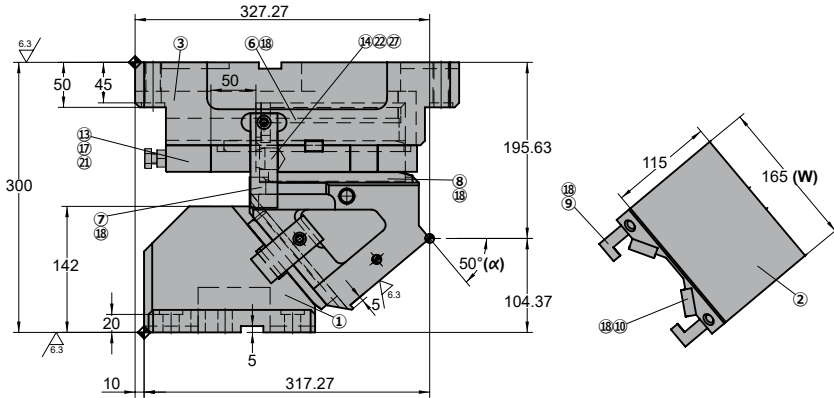
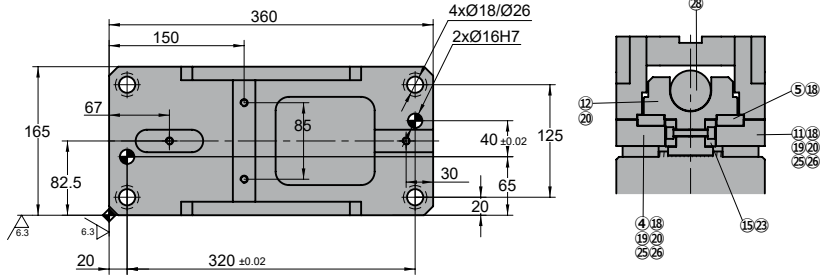
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

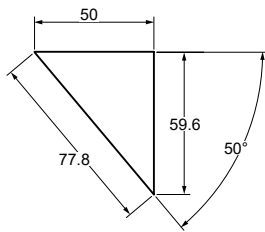
Aerial cam for pierce and flange



ASVX 0165 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.8	171.0 (17.4)	---	10766.2 (1098.5)	69.1	ASVX	0165	50



Order: Model (W) (α)

ASVX 0165 50

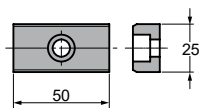
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 50-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

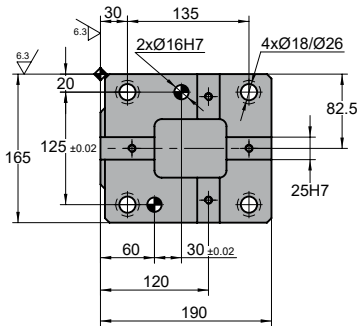
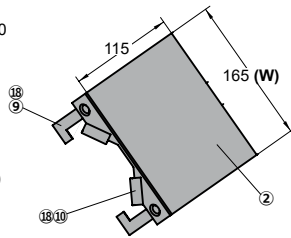
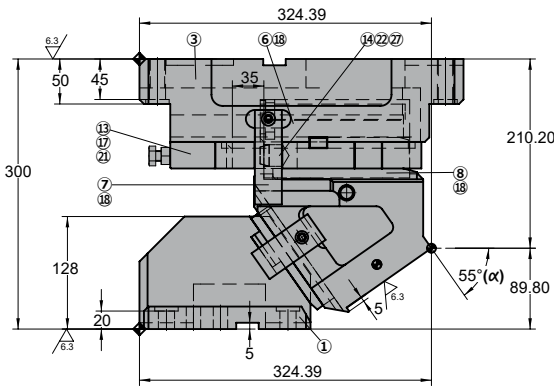
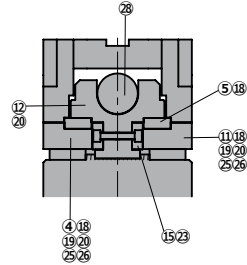
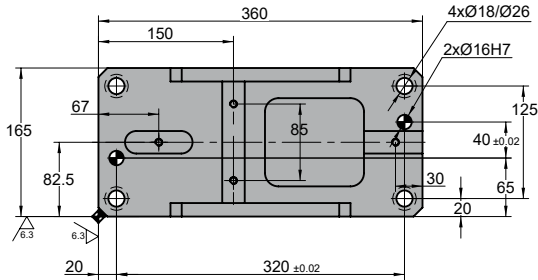
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 050

ASVX 0165

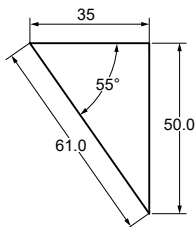
Aerial cam for pierce and flange



ASVX 0165 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
61.0	171.0 (17.4)	---	10191.3 (1039.9)	68.1	ASVX	0165	55



Order: Model (W) (α)

ASVX 0165 55

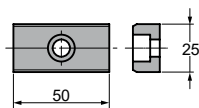
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 55-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

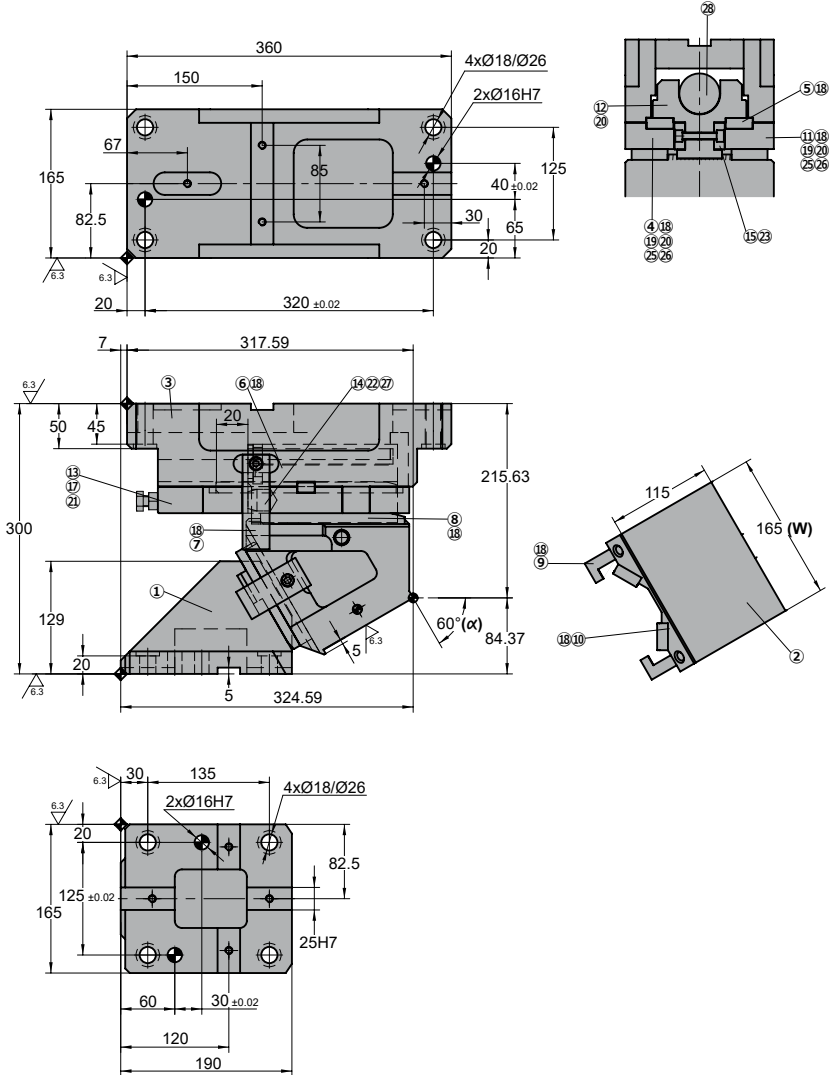
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 050

ASVX 0165

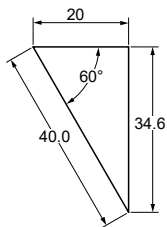
Aerial cam for pierce and flange



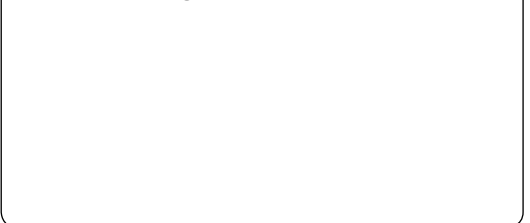
ASVX 0165 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
40.0	171.0 (17.4)	---	9293.6 (948.3)	68.3	ASVX	0165	60



Order: Model (W) (α)

ASVX 0165 60

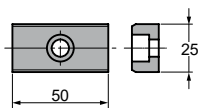
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 60-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

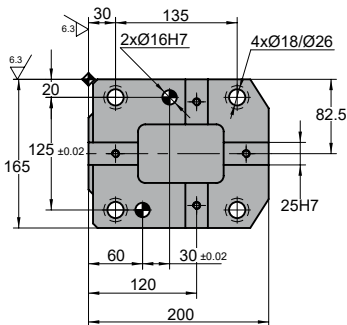
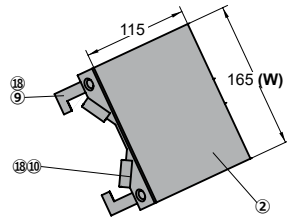
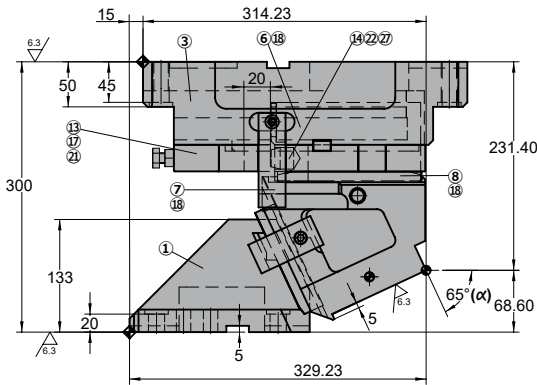
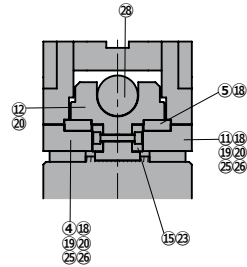
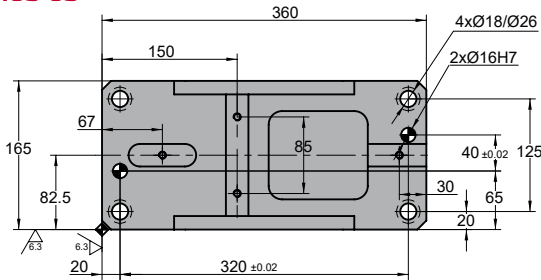
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 038

ASVX 0165

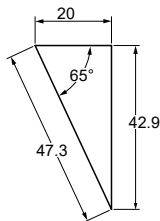
Aerial cam for pierce and flange



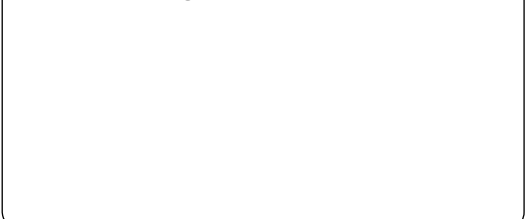
ASVX 0165 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
47.3	171.0 (17.4)	---	9293.6 (948.3)	70.0	ASVX	0165	65



Order: Model (W) (α)

ASVX 0165 65

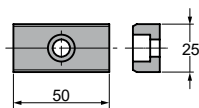
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 65-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

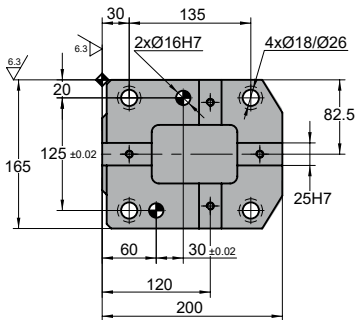
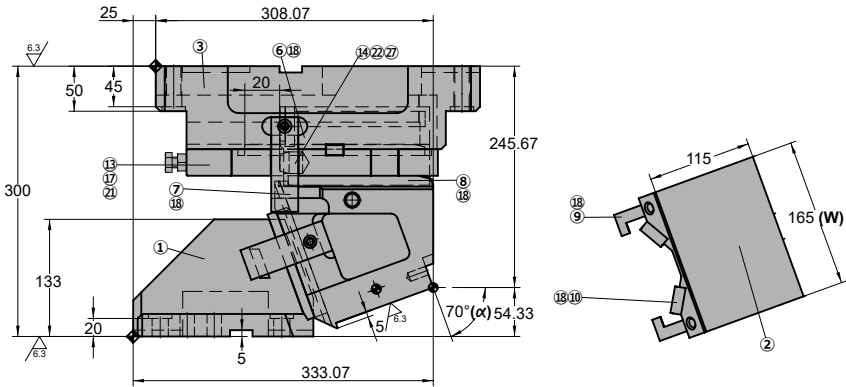
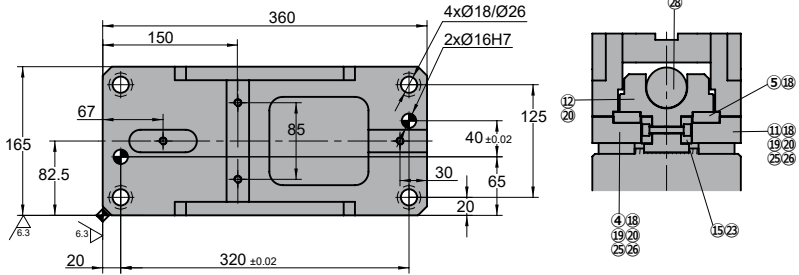
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 038

ASVX 0165

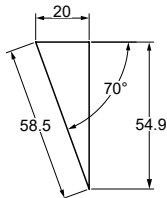
Aerial cam for pierce and flange



ASVX 0165 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
58.5	171.0 (17.4)	---	9293.6 (948.3)	71.7	ASVX	0165	70



Order: Model (W) (α)

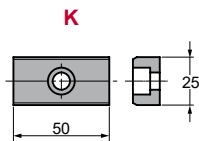
ASVX 0165 70

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 70-K



SPARE PARTS:

- ⊗ Slider Plate 2
- ⊗ Slider Plate 3
- ⊗ Slider Plate 4
- ⊗ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

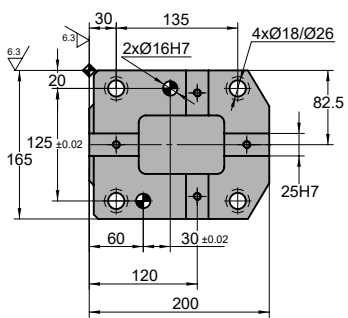
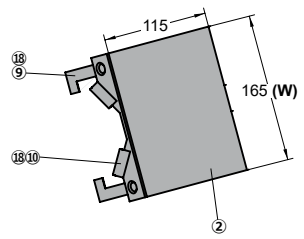
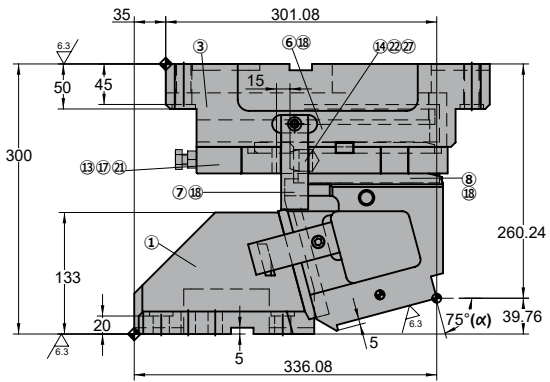
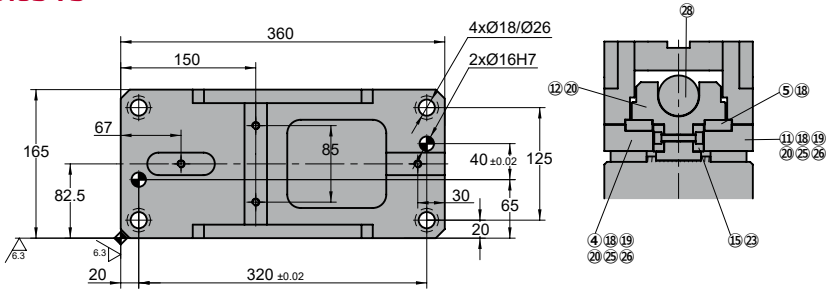
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 038

ASVX 0165

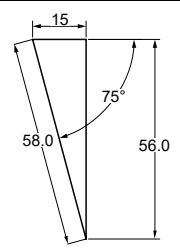
Aerial cam for pierce and flange



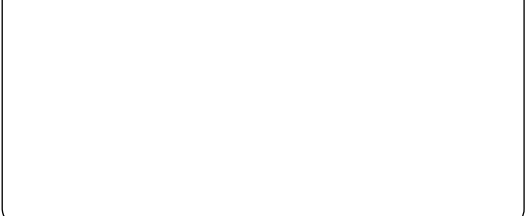
ASVX 0165 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
58.0	171.0 (17.4)	---	8734.9 (891.3)	73.5	ASVX	0165	75



Order: Model (W) (α)

ASVX 0165 75

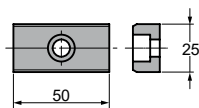
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0165 75-K



SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 038

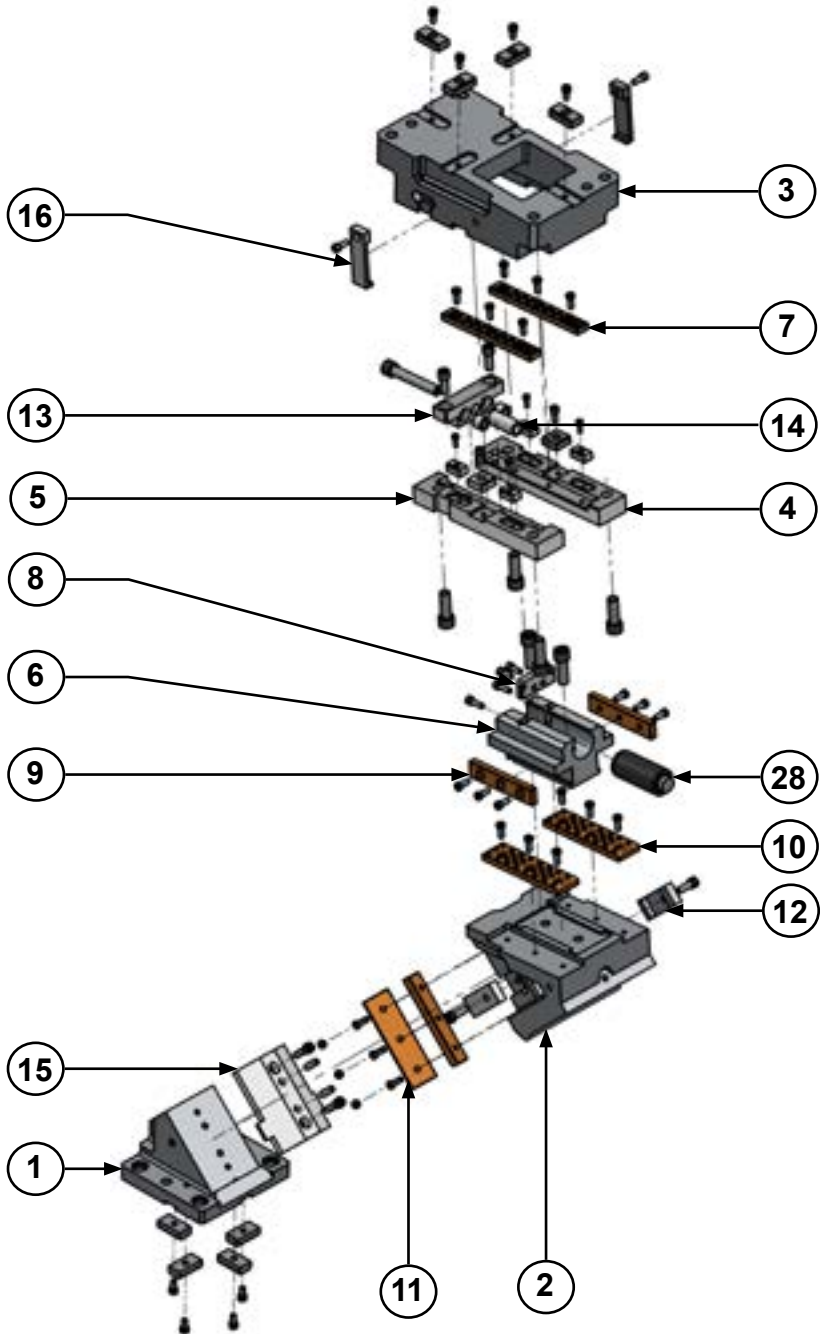
ASVX 0165



Aerial cam for pierce and flange

ASVX 0200

Aerial cam for pierce and flange

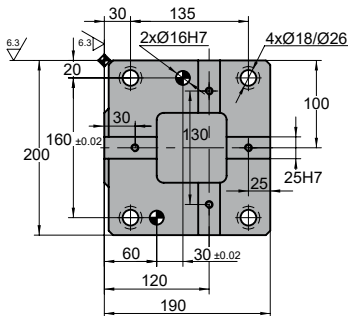
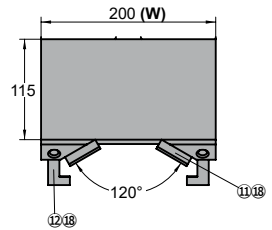
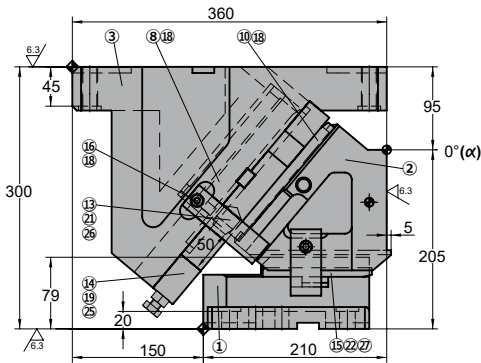
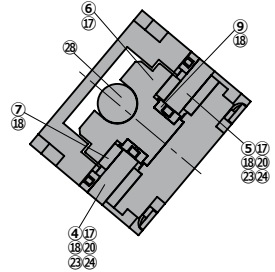
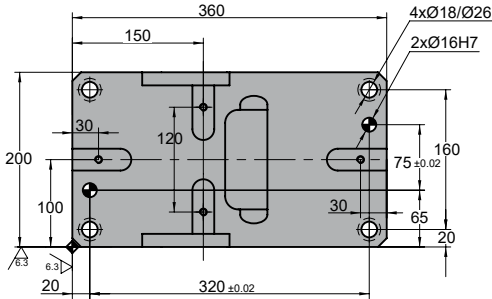


ASVX 0200

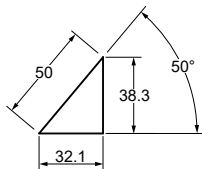
Aerial cam for pierce and flange



ASVX 0200 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
32.1	218.0 (22.2)	---	10766.2 (1098.5)	91.6	ASVX	0200	00



Order: Model (W) (α)

ASVX 0200 00

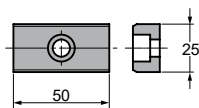
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0200 00-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
35.5	218.0 (22.2)	---	10766.2 (1098.5)	88.9	ASVX	0200	05



Order: **Model** **(W)** **(α)**

ASVX 0200 05

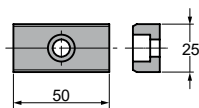
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model** **(W)** **(α)-Option**



ASVX 0200 05-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

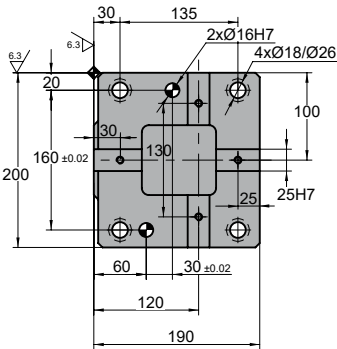
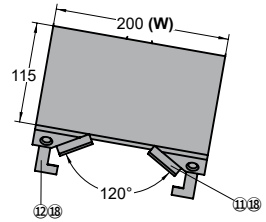
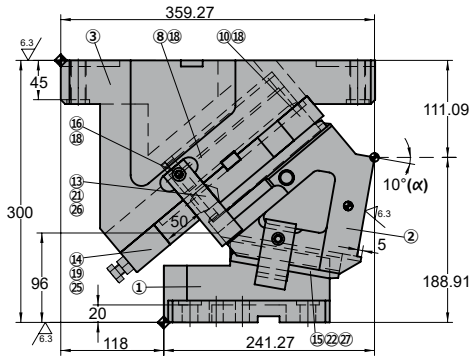
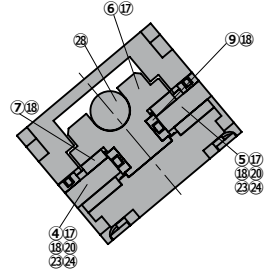
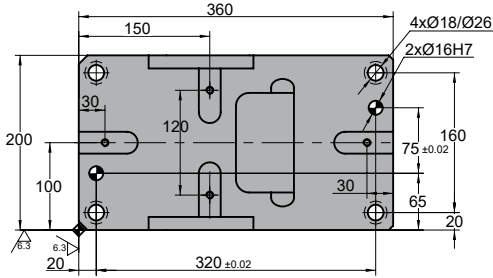
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

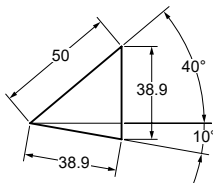
Aerial cam for pierce and flange



ASVX 0200 10



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.9	218.0 (22.2)	---	10766.2 (1098.5)	88.0	ASVX	0200	10



Order: Model (W) (α)

ASVX 0200 10

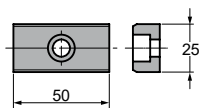
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0200 10-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

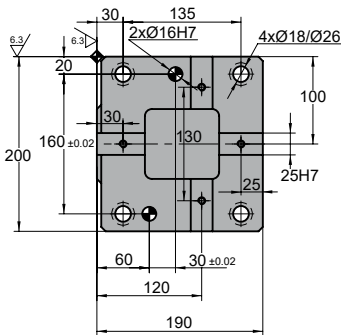
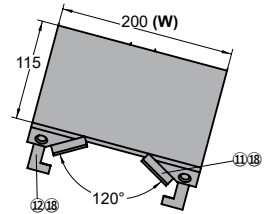
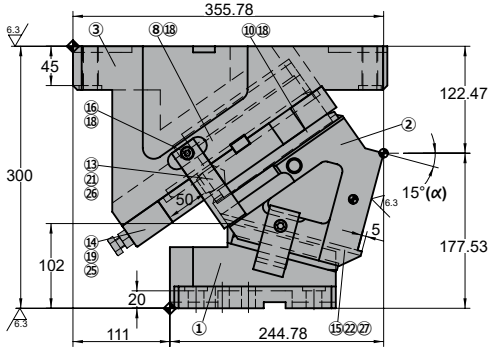
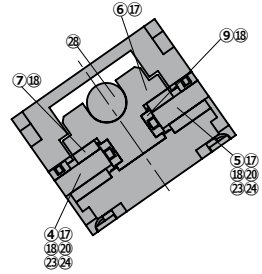
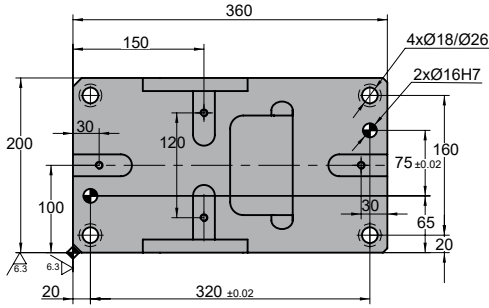
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

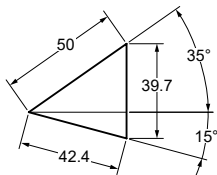
Aerial cam for pierce and flange



ASVX 0200 15



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
42.4	218.0 (22.2)	---	10766.2 (1098.5)	87.0	ASVX	0200	15



Order: Model (W) (α)

ASVX 0200 15

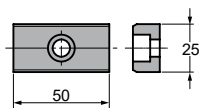
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0200 15-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

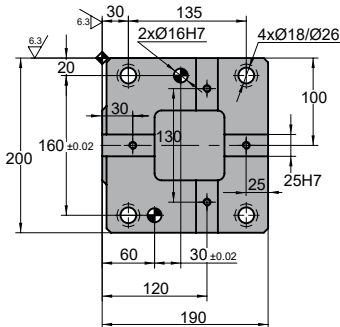
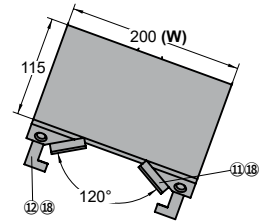
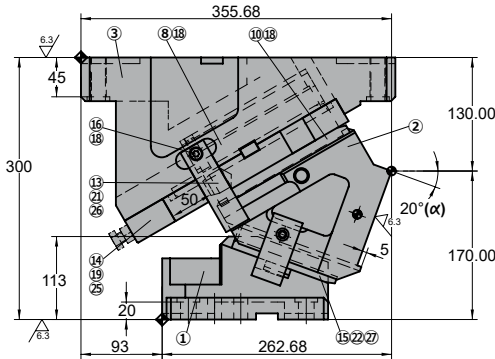
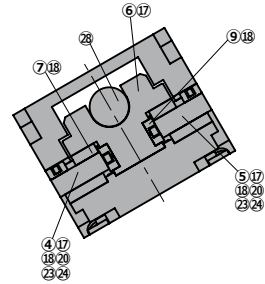
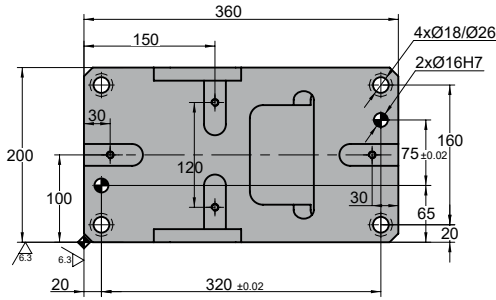
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

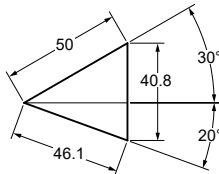
Aerial cam for pierce and flange



ASVX 0200 20



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.1	218.0 (22.2)	---	10766.2 (1098.5)	85.5	ASVX	0200	20



Order: **Model** **(W)** **(α)**

ASVX 0200 20

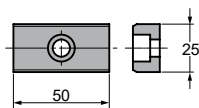
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model** **(W)** **(α)-Option**



ASVX 0200 20-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
50.0	218.0 (22.2)	---	10766.2 (1098.5)	85.9	ASVX	0200	25



Order: Model (W) (α)

ASVX 0200 25

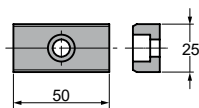
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0200 25-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

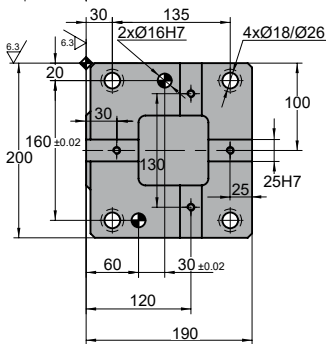
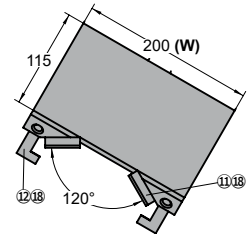
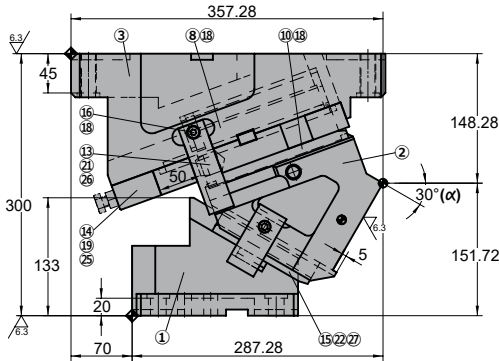
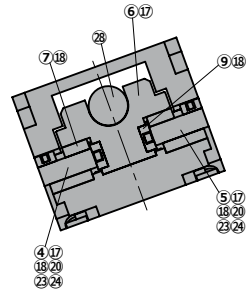
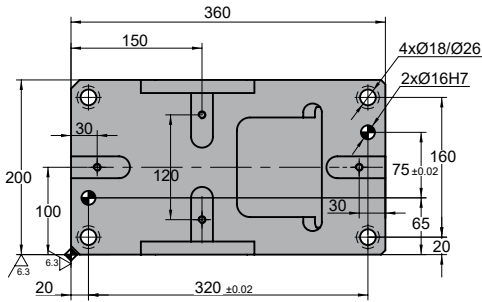
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

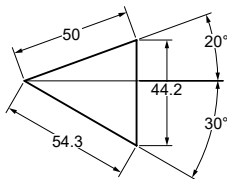
Aerial cam for pierce and flange



ASVX 0200 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
54.3	218.0 (22.2)	---	10766.2 (1098.5)	85.0	ASVX	0200	30



Order: **Model** **(W)** **(α)**

ASVX 0200 30

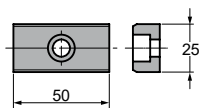
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model** **(W)** **(α)-Option**



ASVX 0200 30-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

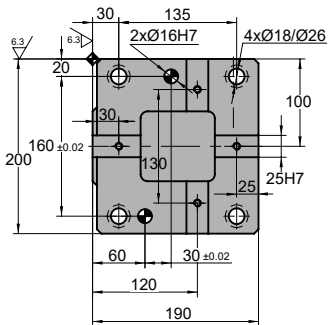
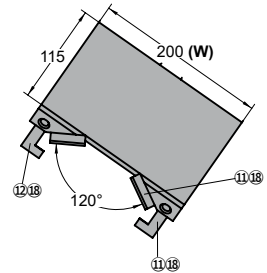
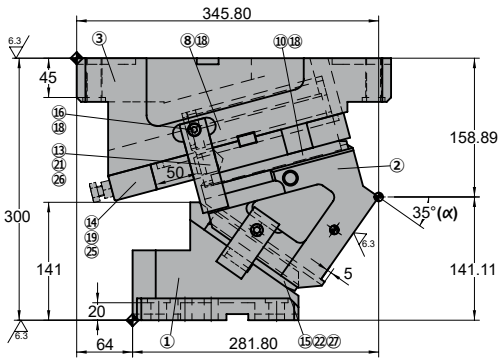
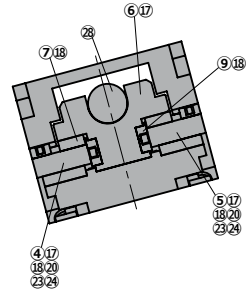
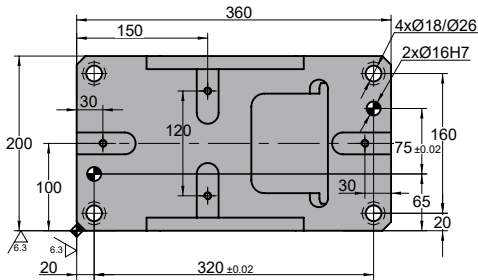
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

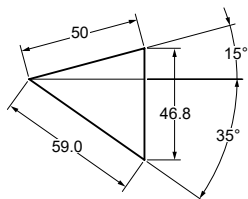
Aerial cam for pierce and flange



ASVX 0200 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
59.0	218.0 (22.2)	---	10766.2 (1098.5)	84.8	ASVX	0200	35



Order: Model (W) (α)

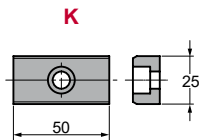
ASVX 0200 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0200 35-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

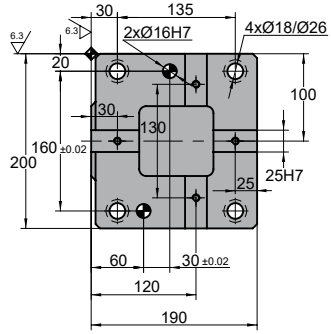
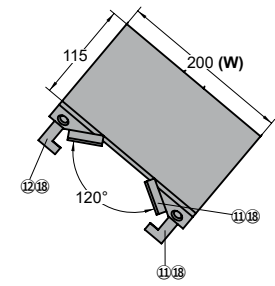
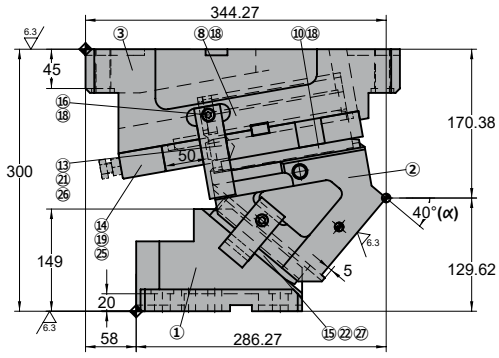
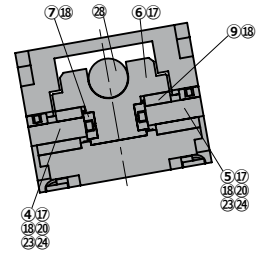
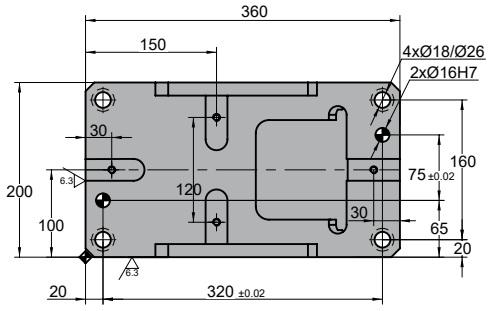
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

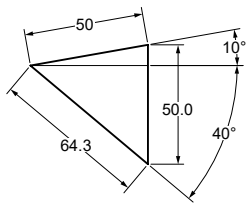
Aerial cam for pierce and flange



ASVX 0200 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
64.3	218.0 (22.2)	---	10766.2 (1098.5)	85.8	ASVX	0200	40



Order: **Model** (**W**) (**α**)

ASVX 0200 40

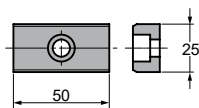
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model** (**W**) (**α**)-Option



ASVX 0200 40-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

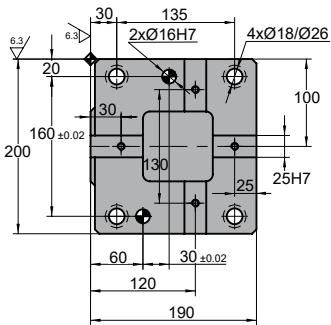
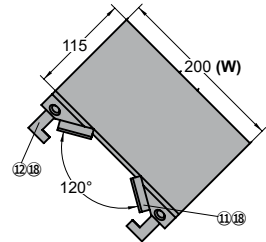
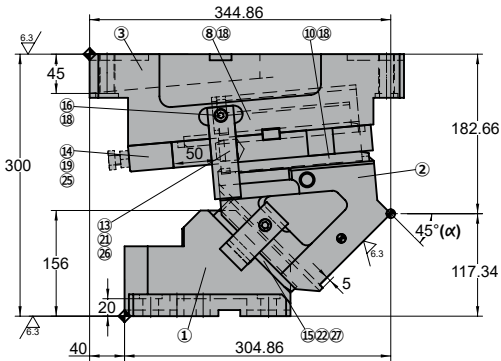
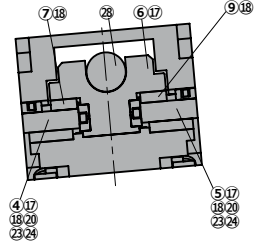
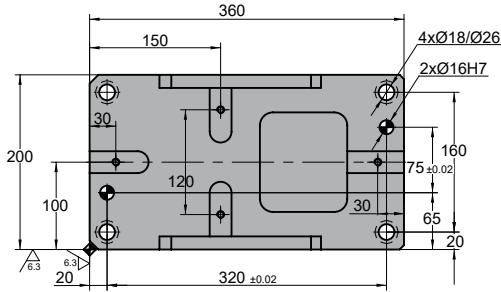
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

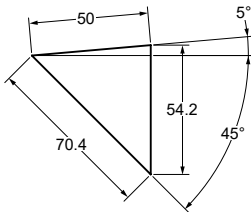
Aerial cam for pierce and flange



ASVX 0200 45



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
70.4	218.0 (22.2)	---	10766.2 (1098.5)	85.7	ASVX	0200	45



Order: **Model (W) (α)**

ASVX 0200 45

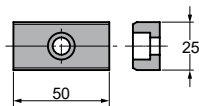
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model (W) (α)-Option**



ASVX 0200 45-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

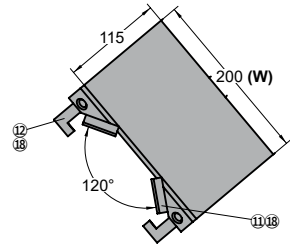
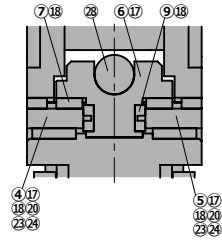
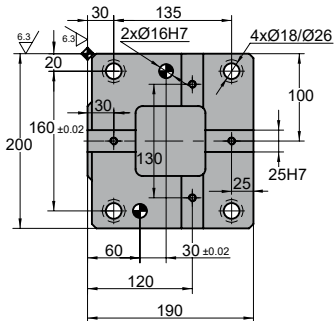
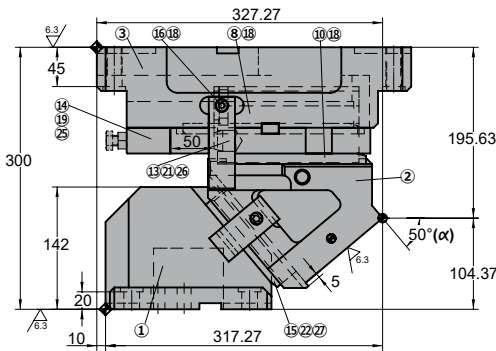
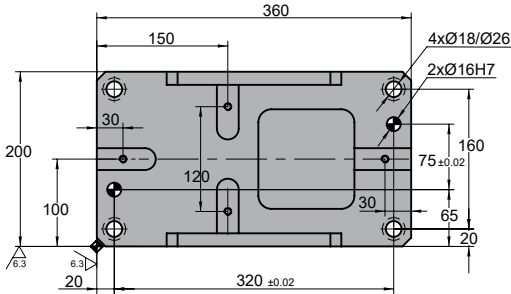
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

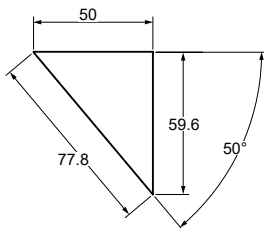
Aerial cam for pierce and flange



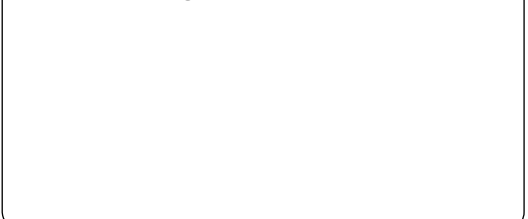
ASVX 0200 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.8	218.0 (22.2)	---	10766.2 (1098.5)	84.7	ASVX	0200	50



Order: **Model (W) (α)**

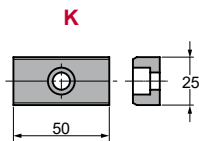
ASVX 0200 50

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: **Model (W) (α)-Option**



ASVX 0200 50-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

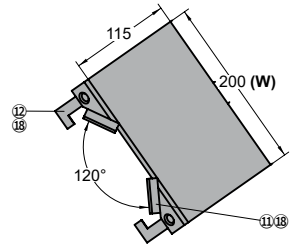
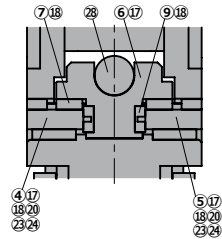
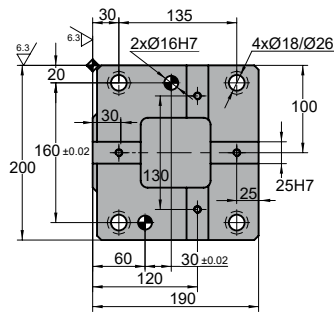
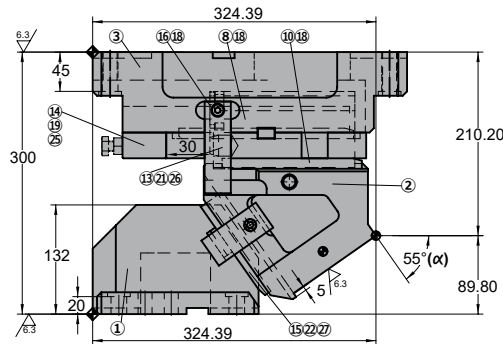
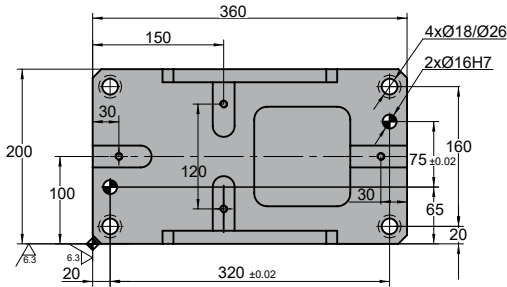
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

ASVX 0200

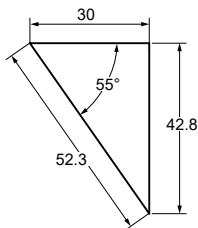
Aerial cam for pierce and flange



ASVX 0200 55



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
52.3	218.0 (22.2)	---	10766.2 (1098.5)	85.7	ASVX	0200	55



Order: **Model (W) (α)**

ASVX 0200 55

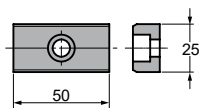
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model (W) (α)-Option**



ASVX 0200 55-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

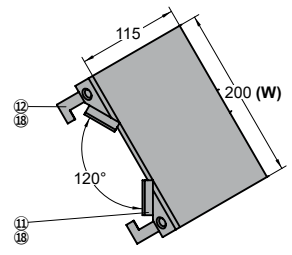
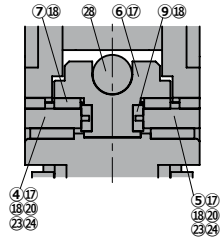
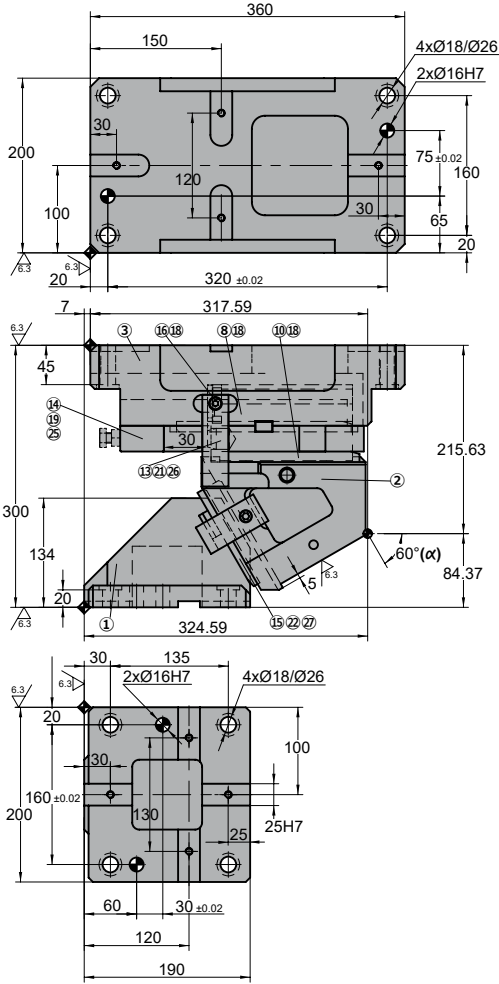
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 050

ASVX 0200

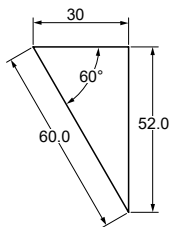
Aerial cam for pierce and flange



ASVX 0200 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
60.0	218.0 (22.2)	---	10766.2 (1098.5)	84.2	ASVX	0200	60



Order: **Model** (**W**) (**α**)

ASVX 0200 60

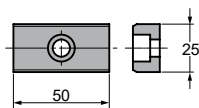
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model** (**W**) (**α**)-Option



ASVX 0200 60-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓓ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

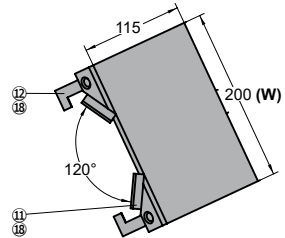
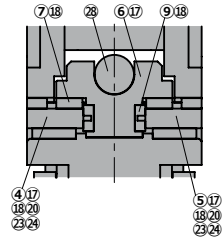
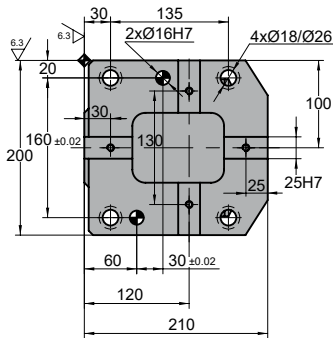
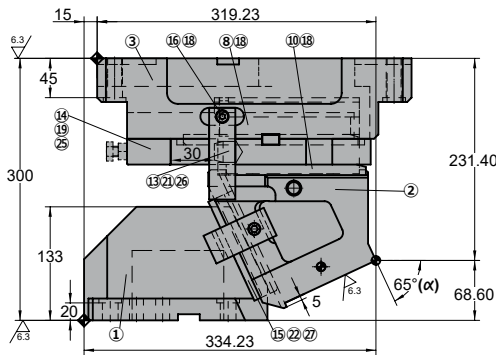
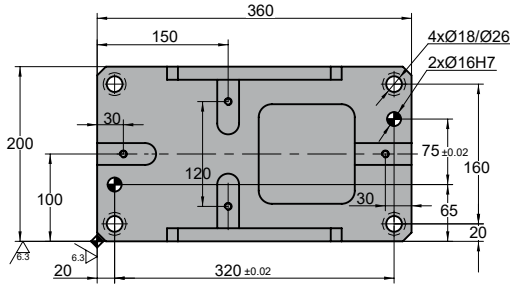
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 050

ASVX 0200

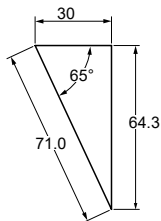
Aerial cam for pierce and flange



ASVX 0200 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
71.0	218.0 (22.2)	---	10766.2 (1098.5)	86.7	ASVX	0200	65



Order: **Model (W) (α)**

ASVX 0200 65

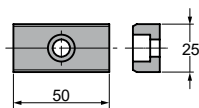
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model (W) (α)-Option**



ASVX 0200 65-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

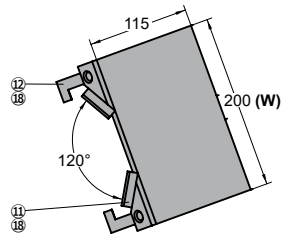
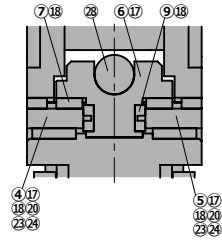
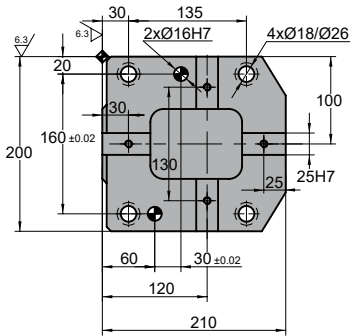
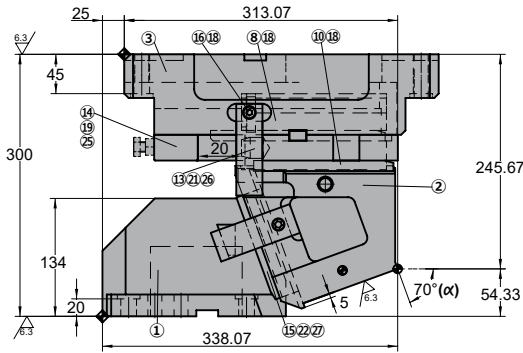
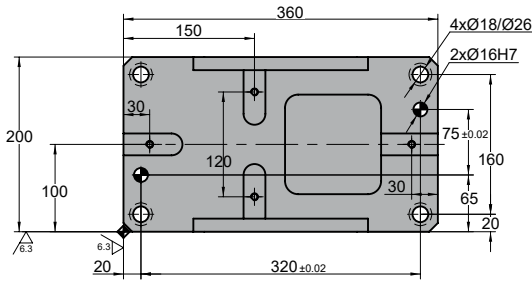
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 050

ASVX 0200

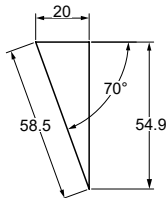
Aerial cam for pierce and flange



ASVX 0200 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
58.5	218.0 (22.2)	---	10766.2 (1098.5)	88.8	ASVX	0200	70



Order: **Model** (**W**) (**α**)

ASVX 0200 70

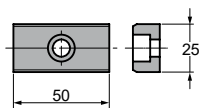
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model** (**W**) (**α**)-Option



ASVX 0200 70-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

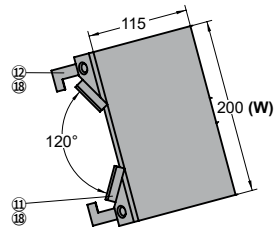
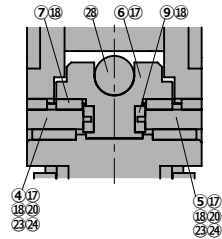
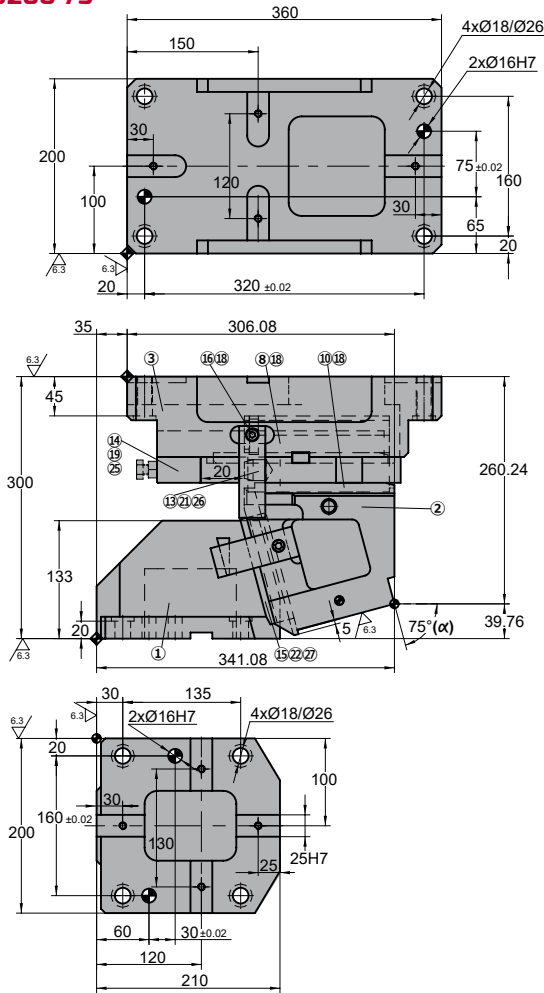
No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 038

ASVX 0200

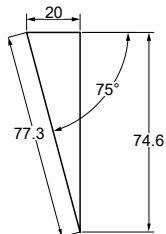
Aerial cam for pierce and flange



ASVX 0200 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.3	218.0 (22.2)	---	10766.2 (1098.5)	91.1	ASVX	0200	75



Order: **Model** **(W)** **(α)**

ASVX 0200 75

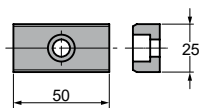
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: **Model** **(W)** **(α)-Option**



ASVX 0200 75-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- Ⓒ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

No.	Descripción	Qty.	Material
⑮	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 038

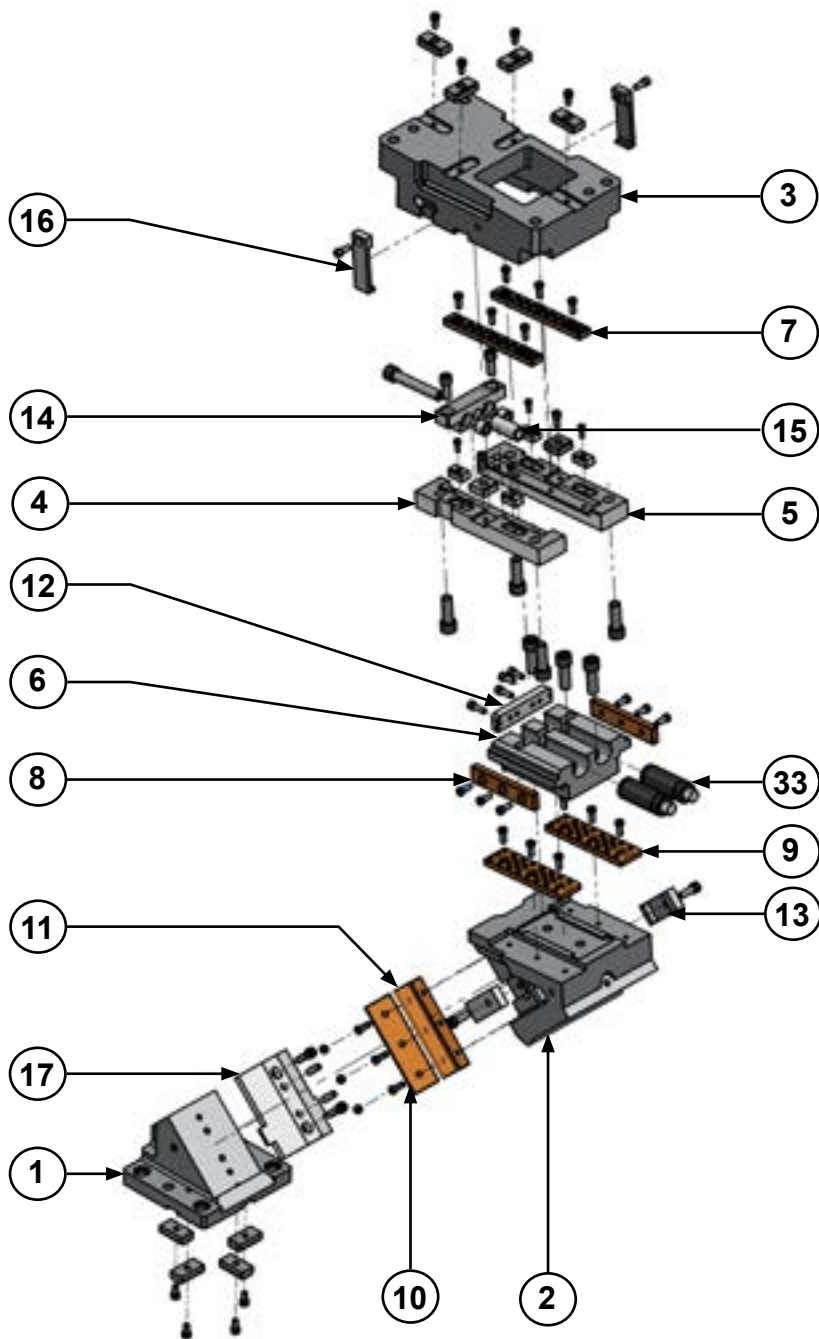
ASVX 0200



Aerial cam for pierce and flange

ASVX 0250

Aerial cam for pierce and flange

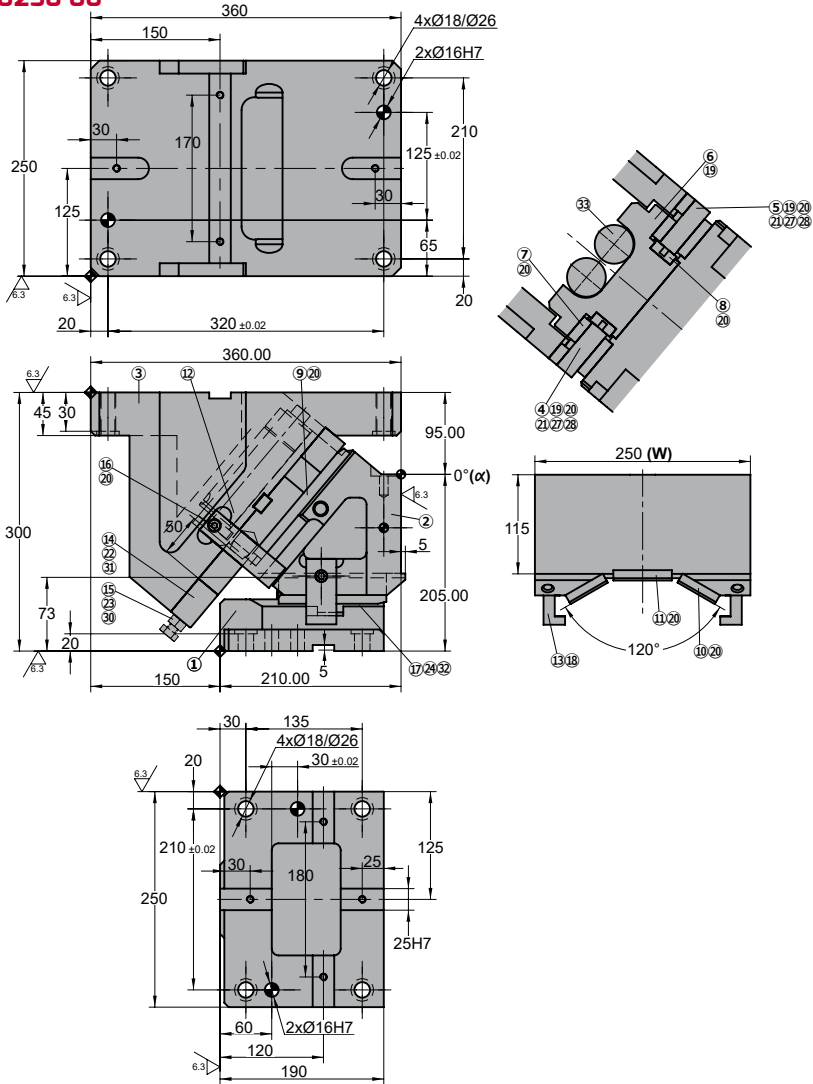


ASVX 0250

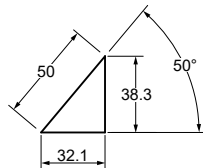
Aerial cam for pierce and flange



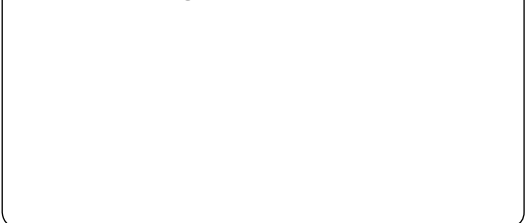
ASVX 0250 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
32.1	284.0 (28.9)	---	21532.4 (2195.6)	113.0	ASVX	0250	00



Order: Model (W) (α)

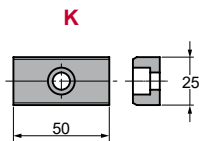
ASVX 0250 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 00-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

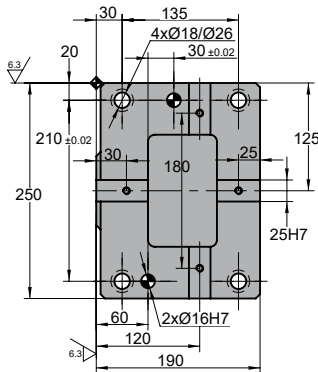
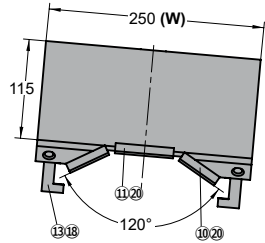
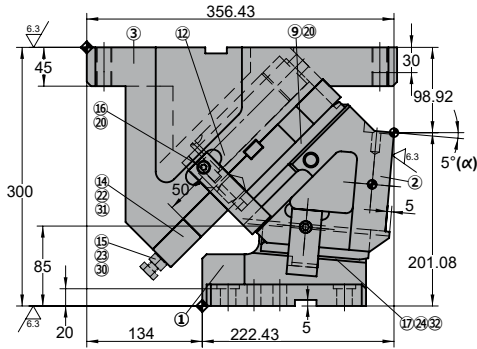
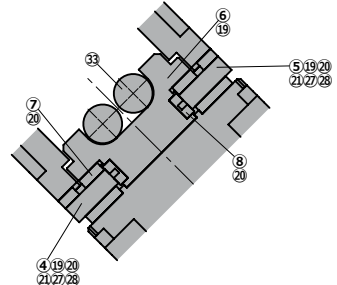
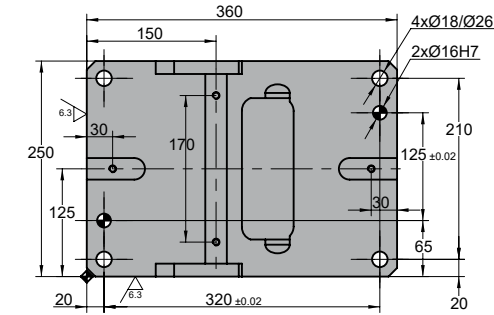
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

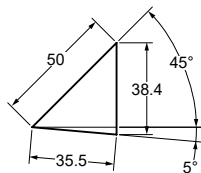
Aerial cam for pierce and flange



ASVX 0250 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
35.5	284.0 (28.9)	---	21532.4 (2195.6)	110.5	ASVX	0250	05



Order: Model (W) (α)

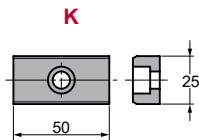
ASVX 0250 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 05-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

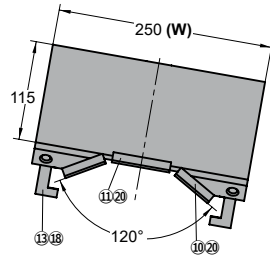
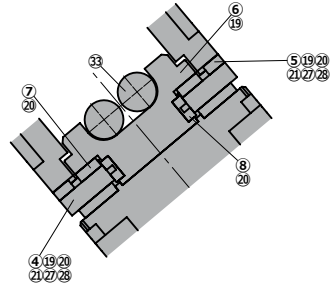
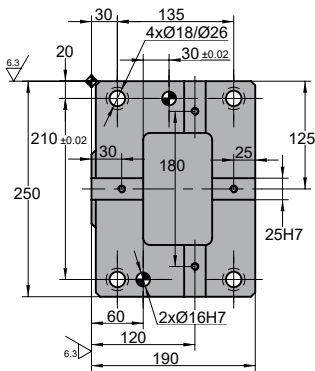
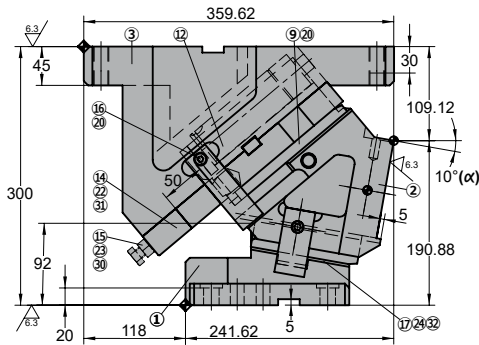
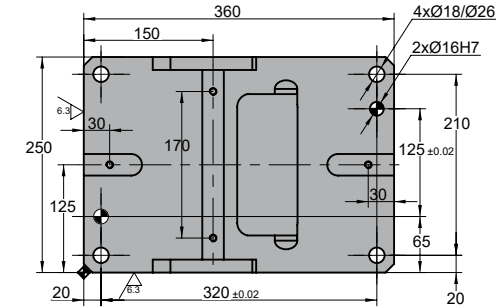
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

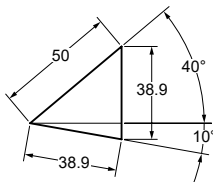
Aerial cam for pierce and flange



ASVX 0250 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
38.9	284.0 (28.9)	---	21532.4 (2195.6)	109.6	ASVX	0250	10



Order: Model (W) (α)

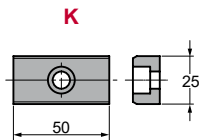
ASVX 0250 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 10-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

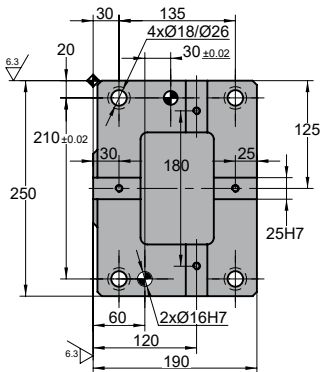
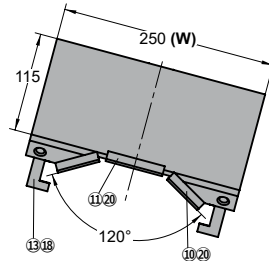
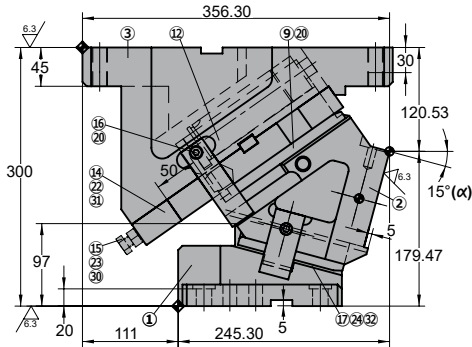
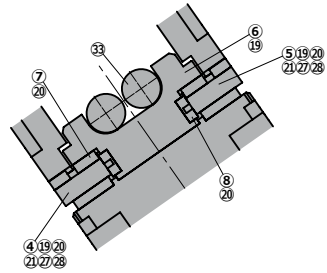
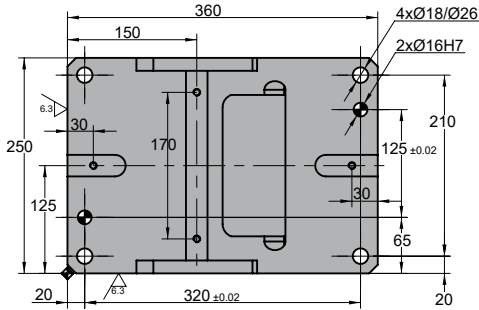
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

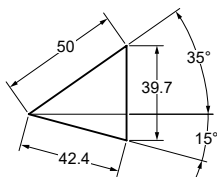
Aerial cam for pierce and flange



ASVX 0250 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.4	284.0 (28.9)	---	21532.4 (2195.6)	108.4	ASVX	0250	15



Order: Model (W) (α)

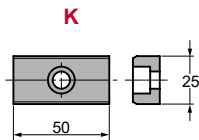
ASVX 0250 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 15-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

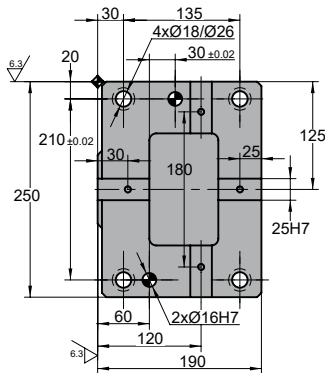
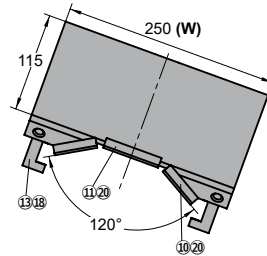
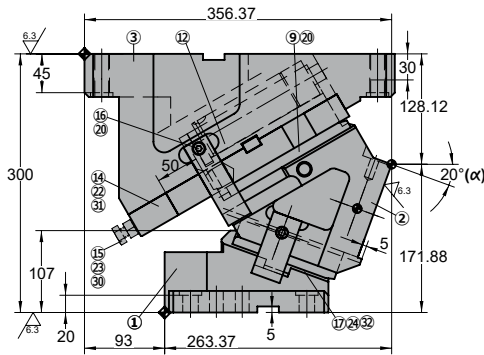
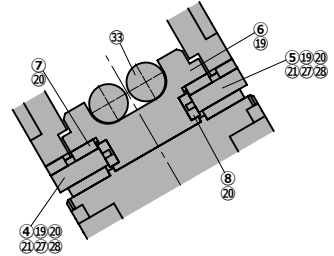
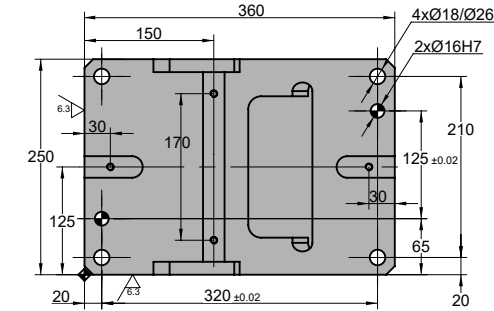
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

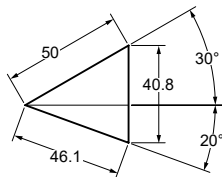
Aerial cam for pierce and flange



ASVX 0250 20



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
46.1	284.0 (28.9)	---	21532.4 (2195.6)	107.1	ASVX	0250	20



Order: Model (W) (α)

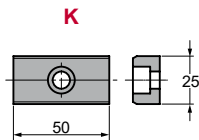
ASVX 0250 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 20-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

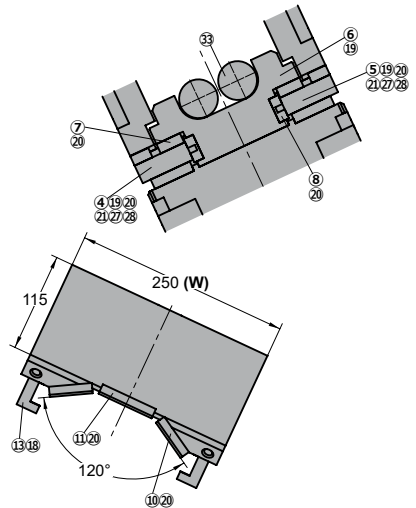
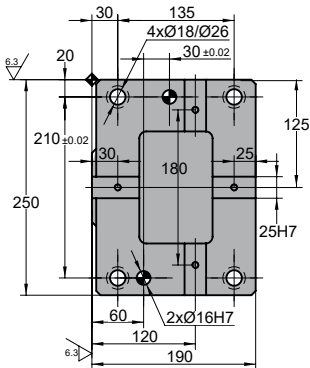
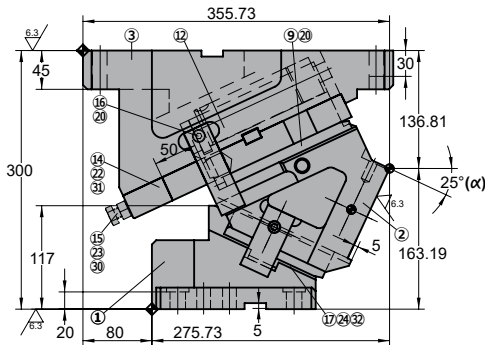
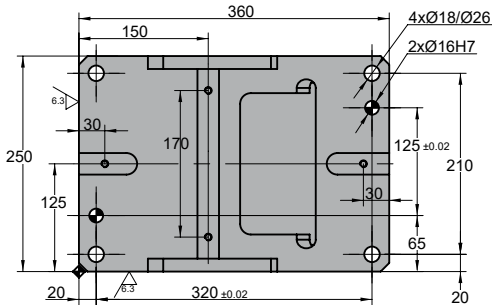
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

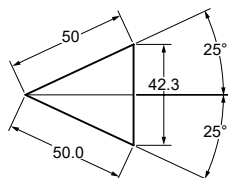
Aerial cam for pierce and flange



ASVX 0250 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
50.0	284.0 (28.9)	---	21532.4 (2195.6)	106.0	ASVX	0250	25



Order: Model (W) (α)

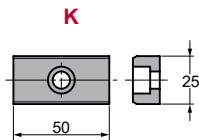
ASVX 0250 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 25-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

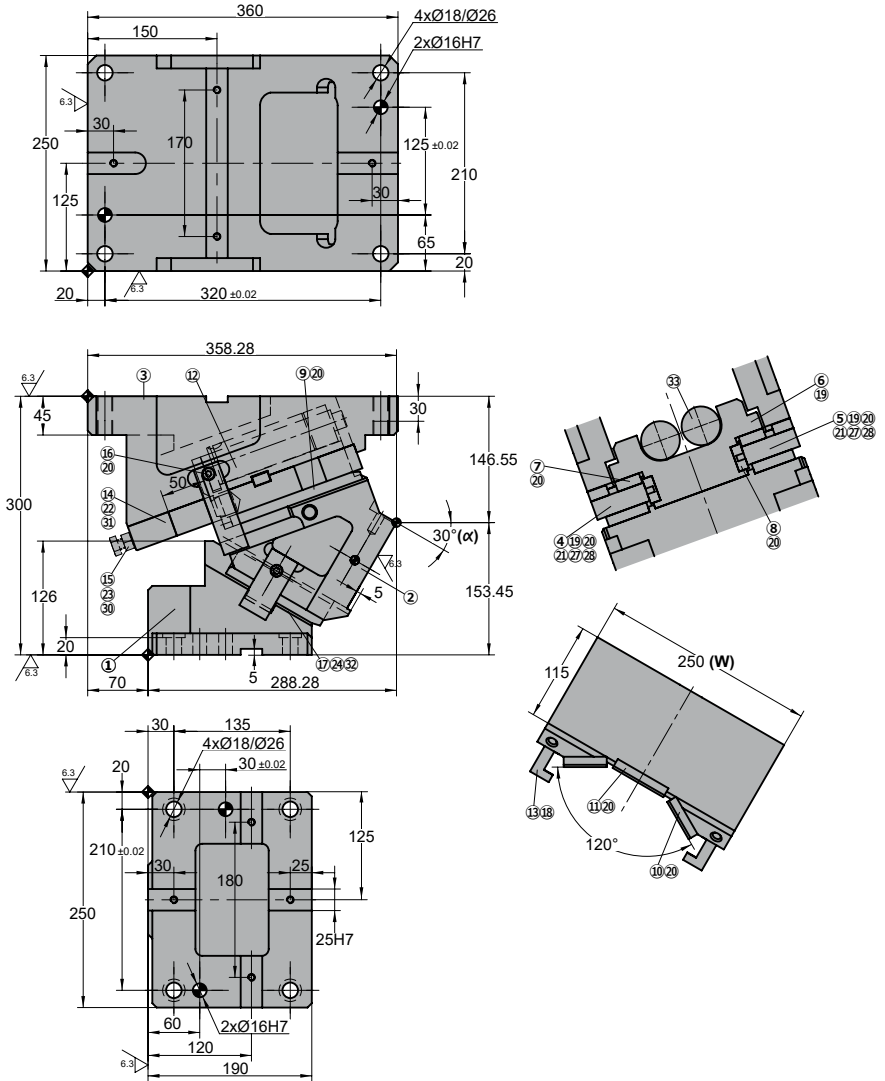
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

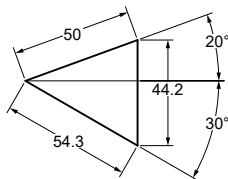
Aerial cam for pierce and flange



ASVX 0250 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
54.3	284.0 (28.9)	---	21532.4 (2195.6)	105.8	ASVX	0250	30



Order: Model (W) (α)

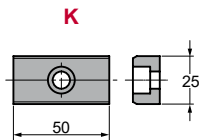
ASVX 0250 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 30-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

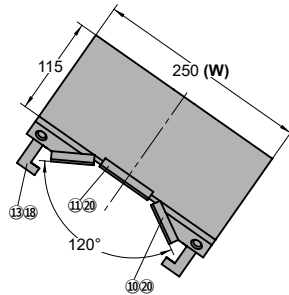
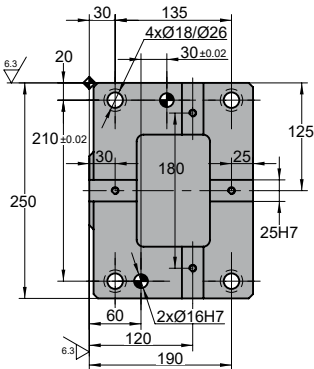
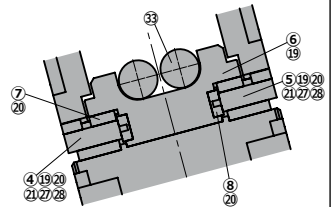
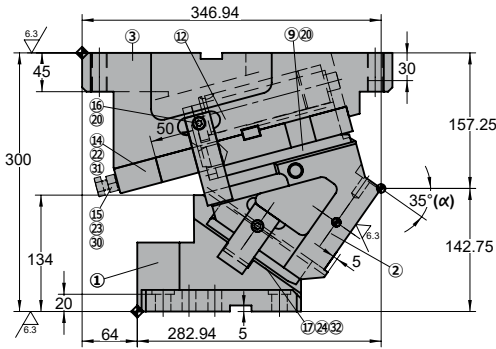
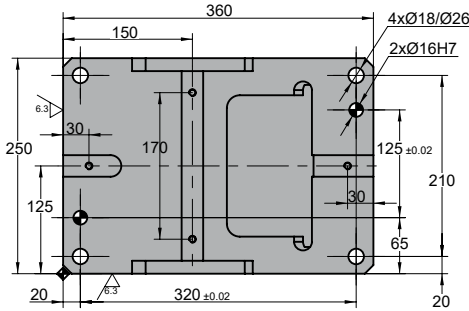
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

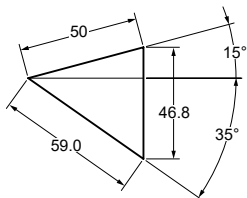
Aerial cam for pierce and flange



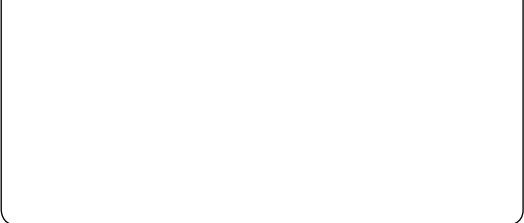
ASVX 0250 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
59.0	284.0 (28.9)	---	21532.4 (2195.6)	107.0	ASVX	0250	35



Order: Model (W) (α)

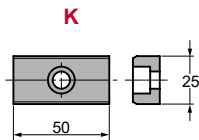
ASVX 0250 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 35-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

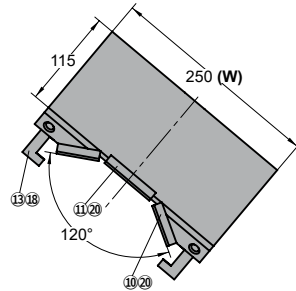
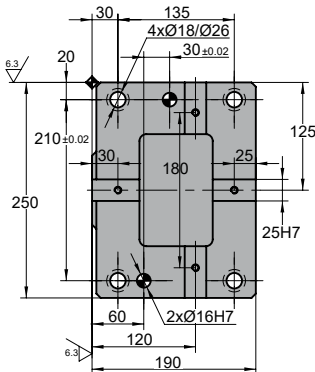
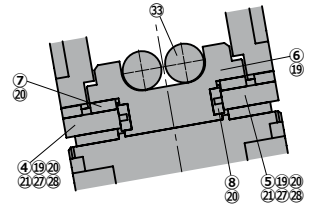
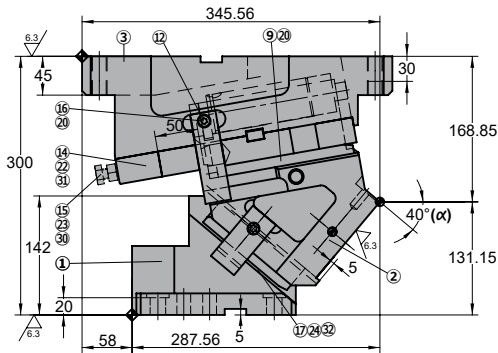
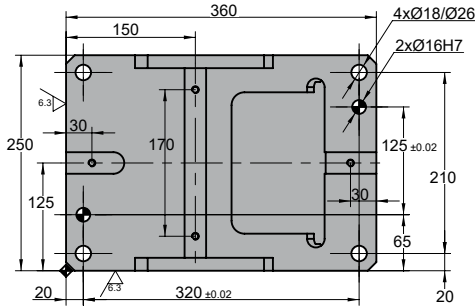
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

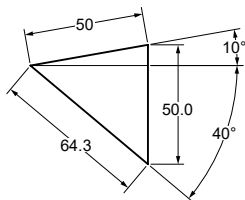
Aerial cam for pierce and flange



ASVX 0250 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
64.3	284.0 (28.9)	---	21532.4 (2195.6)	108.2	ASVX	0250	40



Order: Model (W) (α)

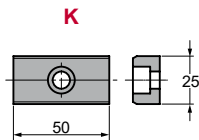
ASVX 0250 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 40-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

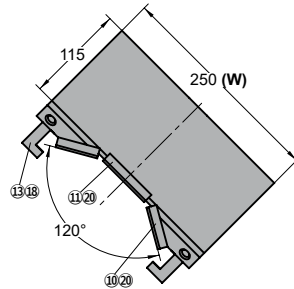
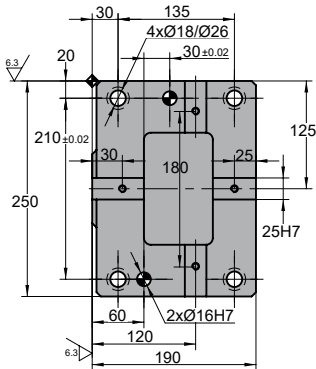
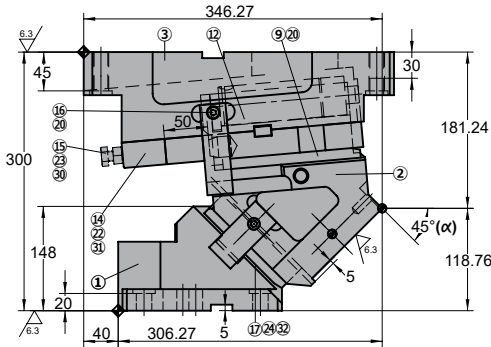
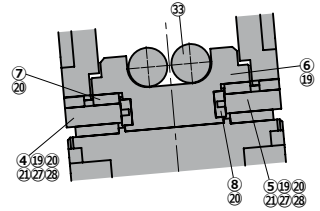
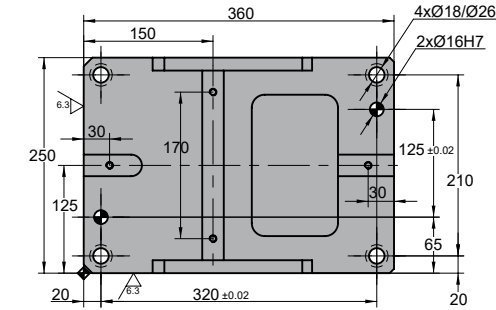
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

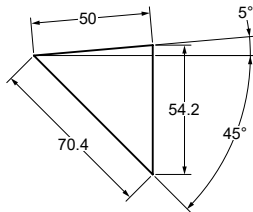
Aerial cam for pierce and flange



ASVX 0250 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
70.4	284.0 (28.9)	---	21532.4 (2195.6)	108.5	ASVX	0250	45



Order: Model (W) (α)

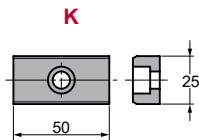
ASVX 0250 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 45-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

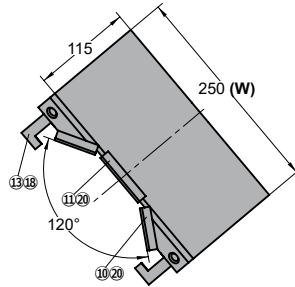
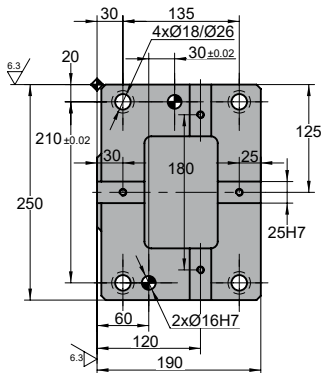
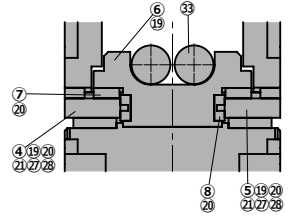
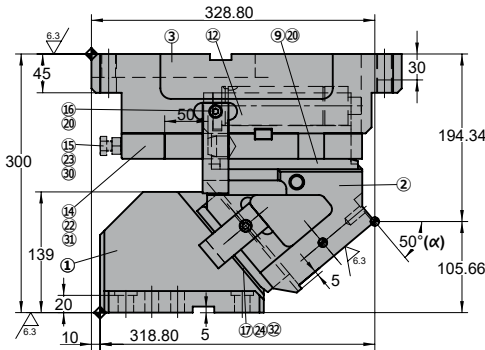
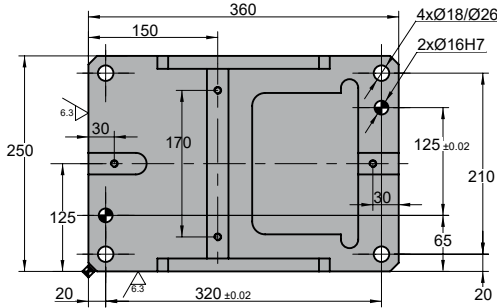
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

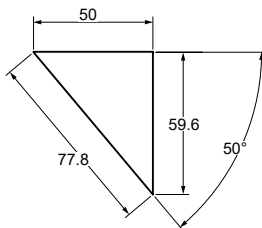
Aerial cam for pierce and flange



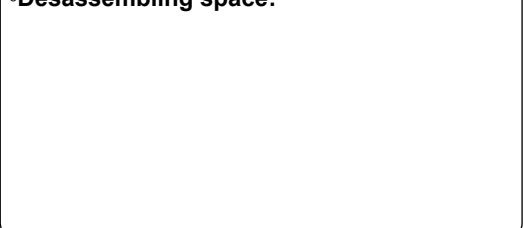
ASVX 0250 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.8	284.0 (28.9)	---	21532.4 (2195.6)	107.4	ASVX	0250	50



Order: Model (W) (α)

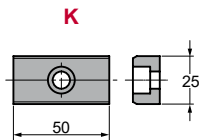
ASVX 0250 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 50-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

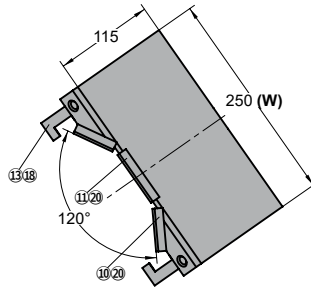
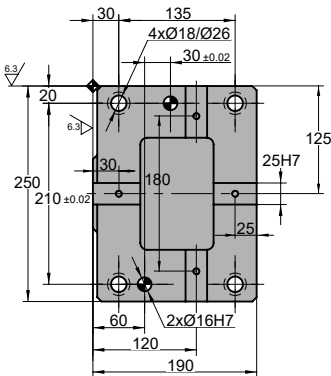
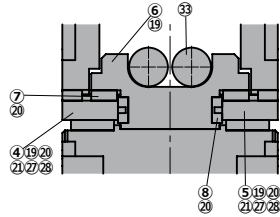
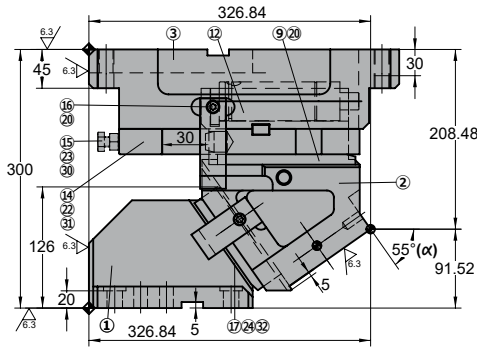
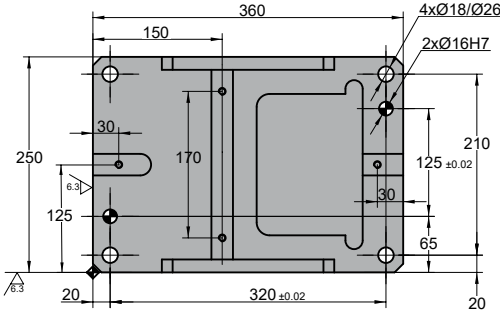
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

ASVX 0250

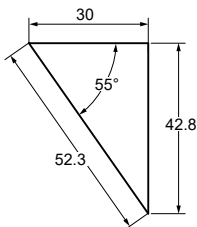
Aerial cam for pierce and flange



ASVX 0250 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
52.3	284.0 (28.9)	---	19340.6 (1970.0)	106.3	ASVX	0250	55



Order: Model (W) (α)

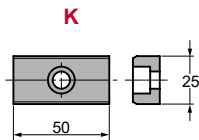
ASVX 0250 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 55-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

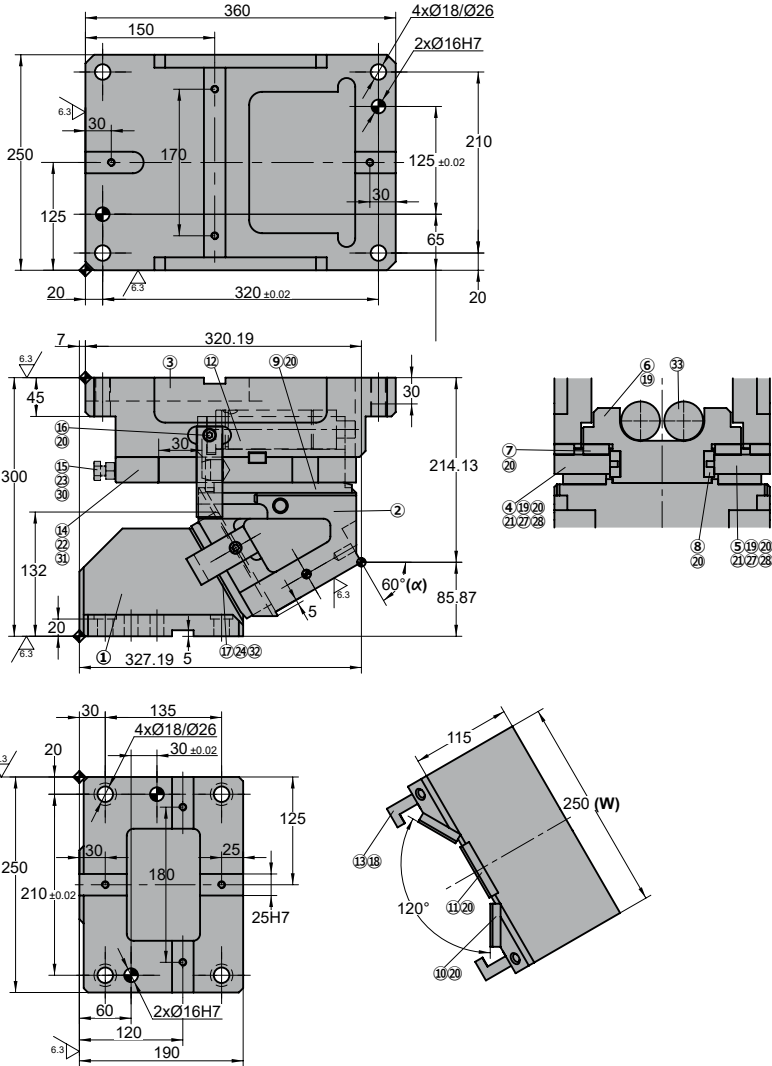
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 050

ASVX 0250

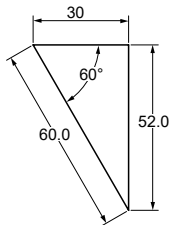
Aerial cam for pierce and flange



ASVX 0250 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
60.0	284.0 (28.9)	---	19340.6 (1970.0)	106.4	ASVX	0250	60



Order: Model (W) (α)

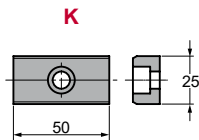
ASVX 0250 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 60-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

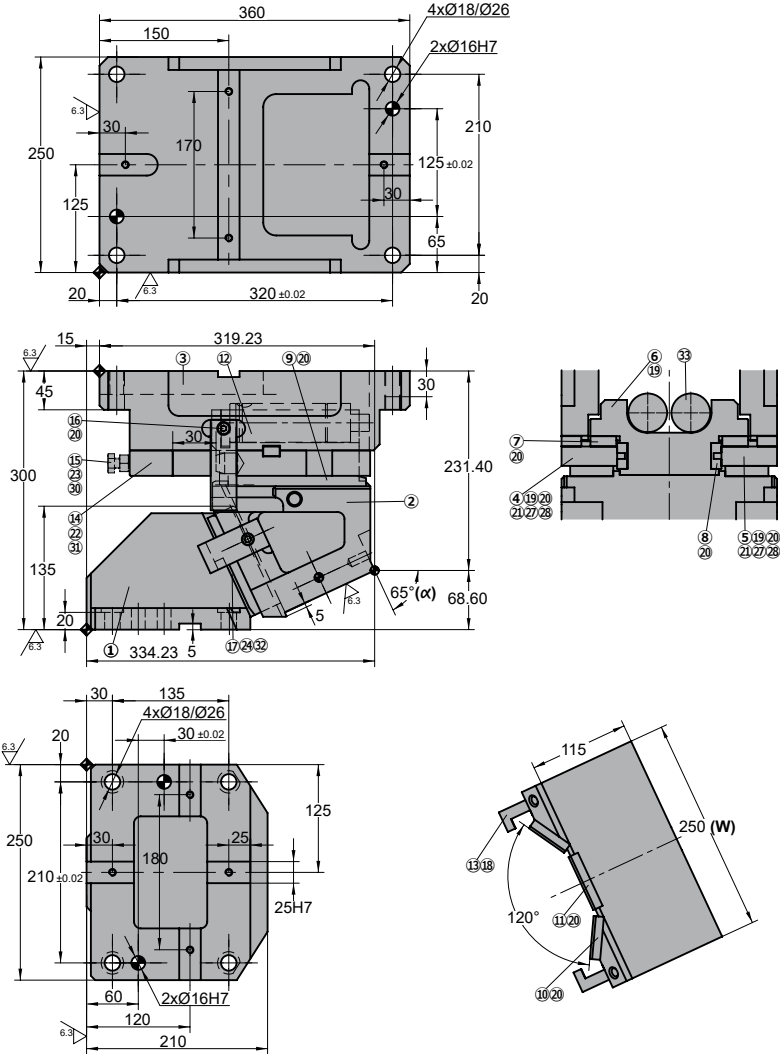
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 050

ASVX 0250

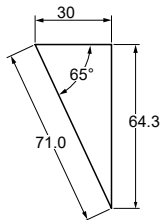
Aerial cam for pierce and flange



ASVX 0250 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
71.0	284.0 (28.9)	---	19340.6 (1970.0)	109.4	ASVX	0250	65



Order: Model (W) (α)

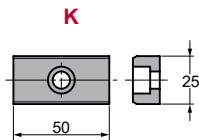
ASVX 0250 65

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 65-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

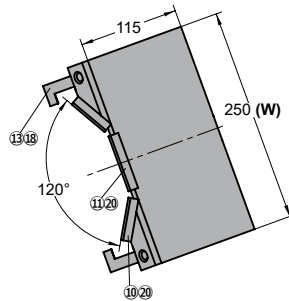
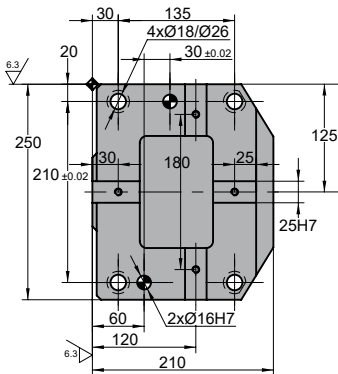
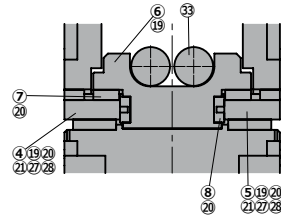
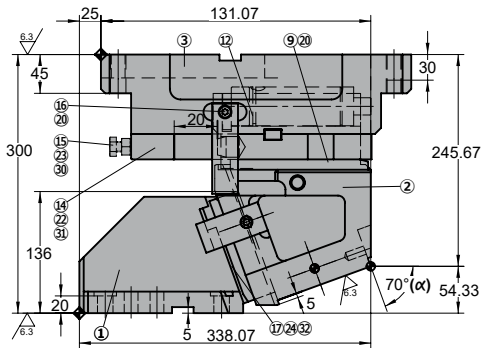
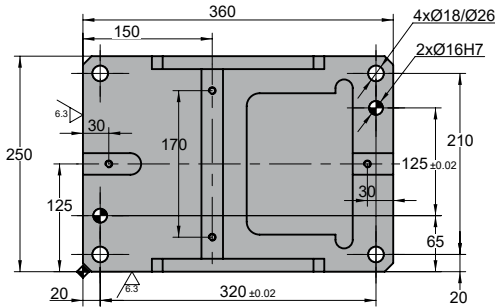
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 050

ASVX 0250

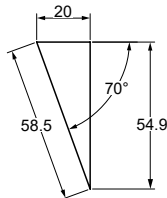
Aerial cam for pierce and flange



ASVX 0250 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
58.5	284.0 (28.9)	---	18587.2 (1895.2)	112.5	ASVX	0250	70



Order: Model (W) (α)

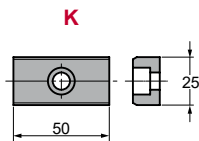
ASVX 0250 70

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 70-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

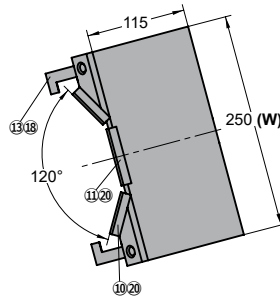
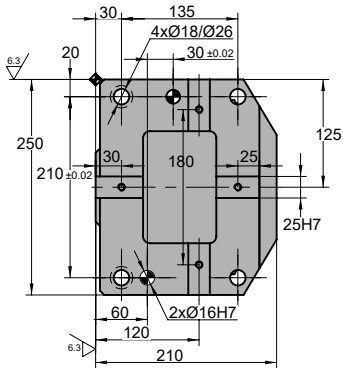
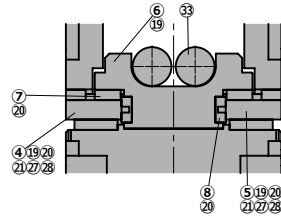
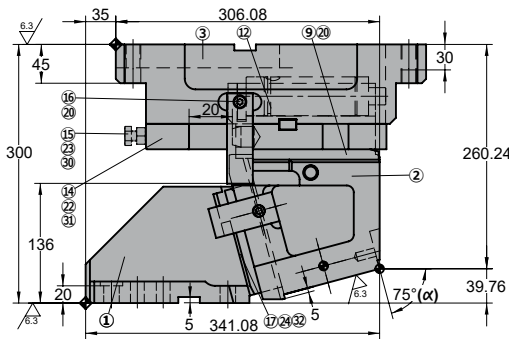
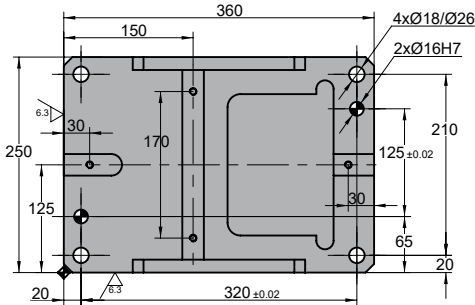
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 038

ASVX 0250

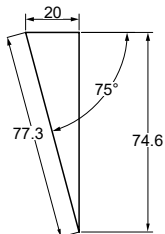
Aerial cam for pierce and flange



ASVX 0250 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
77.3	284.0 (28.9)	---	18587.2 (1895.2)	115.5	ASVX	0250	75



Order: Model (W) (α)

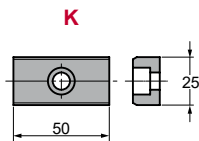
ASVX 0250 75

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0250 75-K



SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

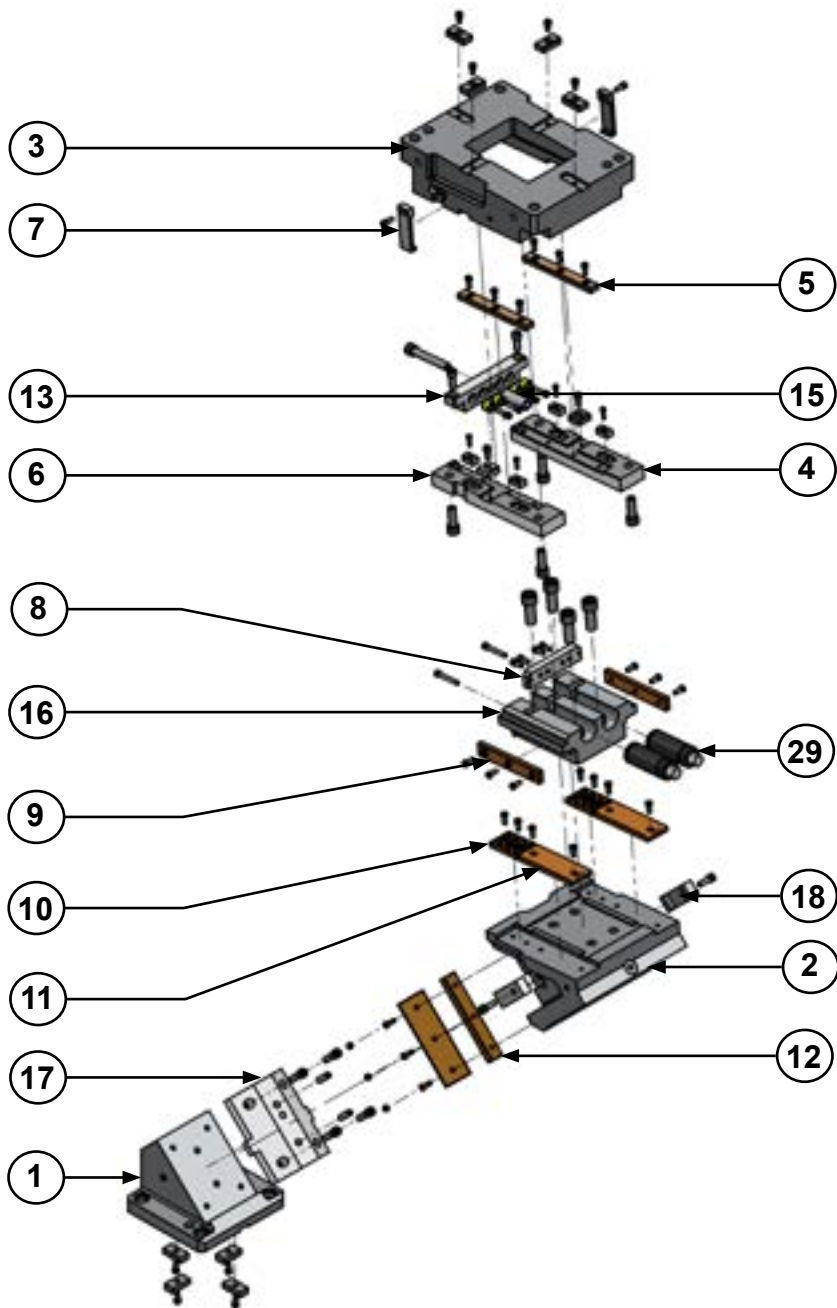
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 038

ASVX 0250

Aerial cam for pierce and flange

ASVX 0300

Aerial cam for pierce and flange

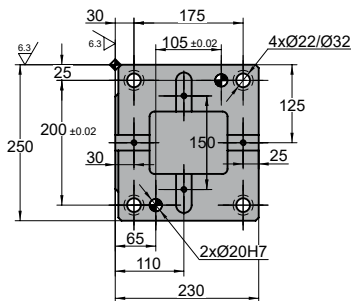
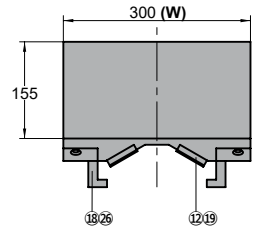
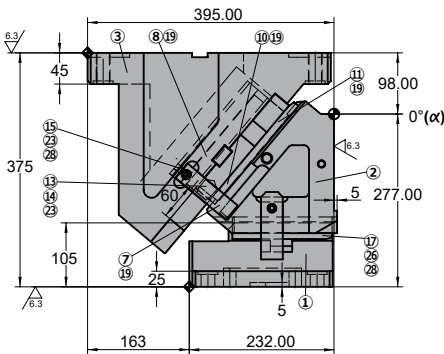
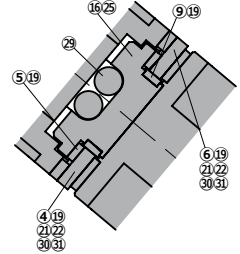
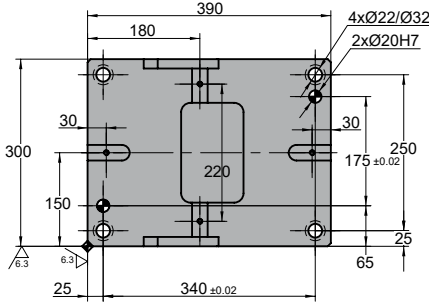


ASVX 0300

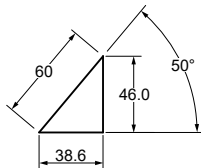
Aerial cam for pierce and flange



ASVX 0300 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.6	364.0 (37.1)	---	21057.4 (2148.7)	167.1	ASVX	0300	00



Order: Model (W) (α)

ASVX 0300 00

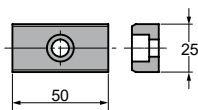
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 00-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

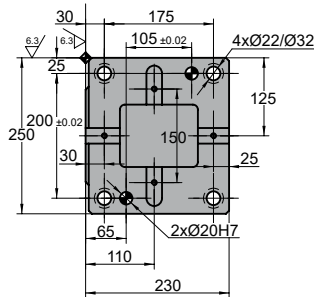
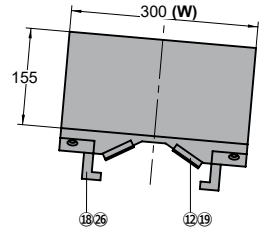
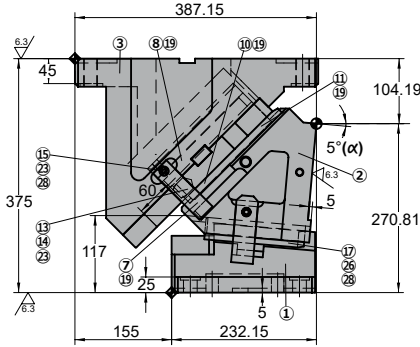
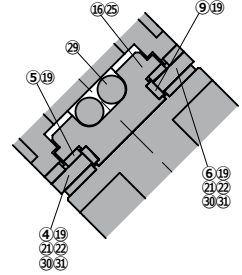
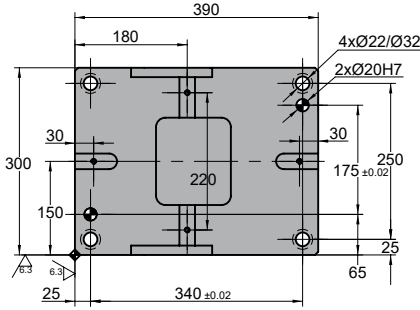
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

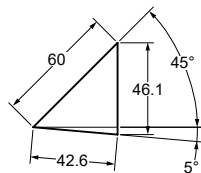
Aerial cam for pierce and flange



ASVX 0300 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.6	364.0 (37.1)	---	21057.4 (2148.7)	163.8	ASVX	0300	05



Order: Model (W) (α)

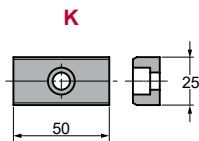
ASVX 0300 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 05-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

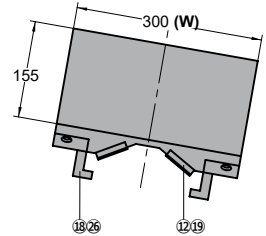
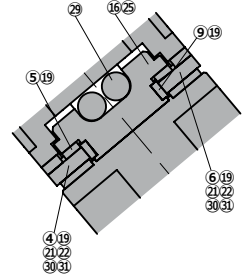
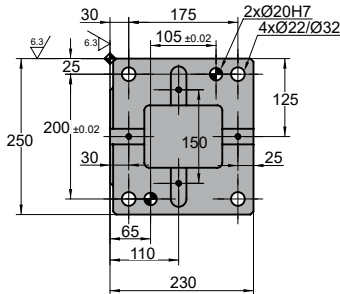
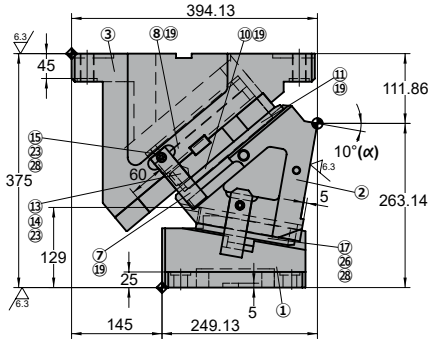
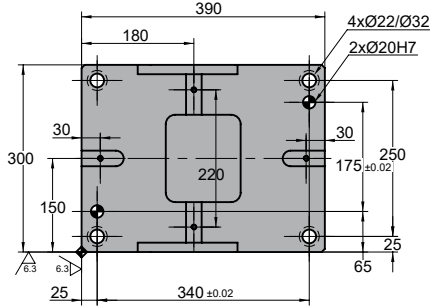
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

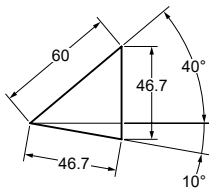
Aerial cam for pierce and flange



ASVX 0300 10



Cam diagram:



Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
46.7	364.0 (37.1)	---	21057.4 (2148.7)	161.9	ASVX	0300	10



Order: Model (W) (α)

ASVX 0300 10

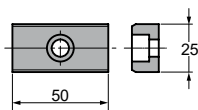
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 10-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

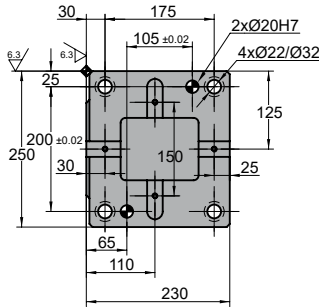
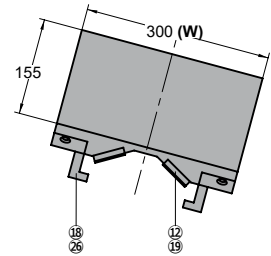
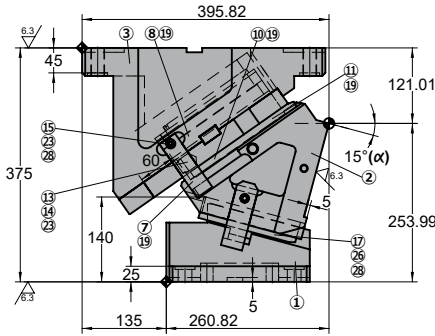
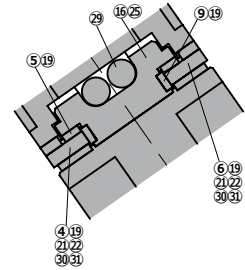
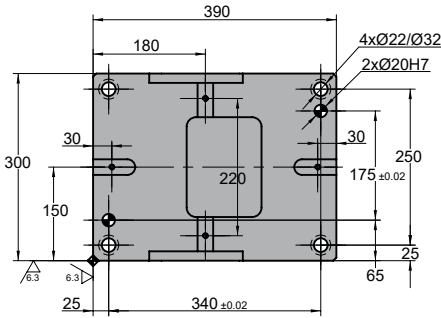
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

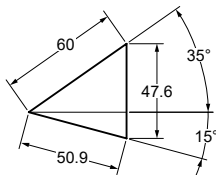
Aerial cam for pierce and flange



ASVX 0300 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
50.9	364.0 (37.1)	---	21057.4 (2148.7)	160.1	ASVX	0300	15



Order: Model (W) (α)

ASVX 0300 15

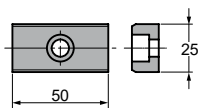
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 15-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

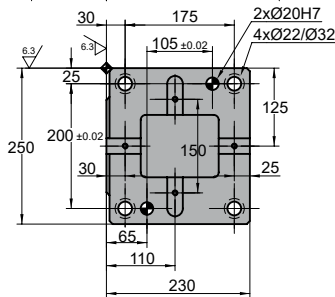
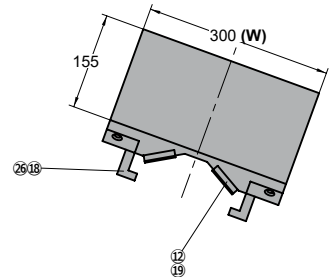
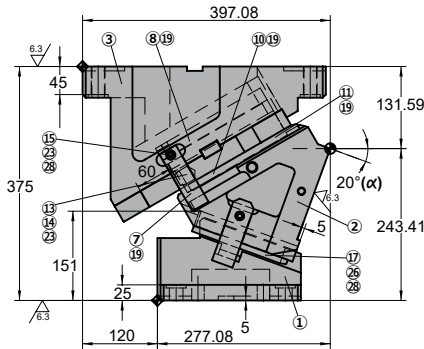
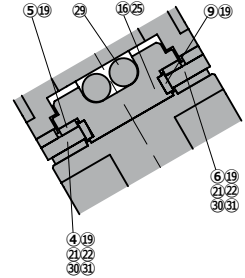
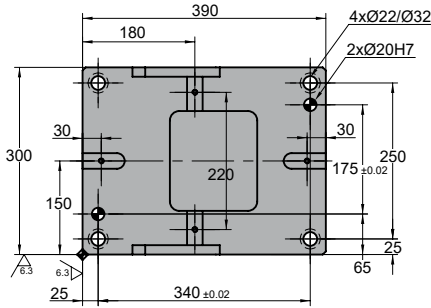
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

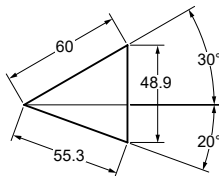
Aerial cam for pierce and flange



ASVX 0300 20



◦Cam diagram:



◦Desassembling space:



ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
55.3	364.0 (37.1)	---	21057.4 (2148.7)	157.1	ASVX	0300	20



Order: Model (W) (α)

ASVX 0300 20

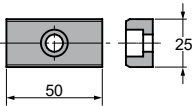
Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 20-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

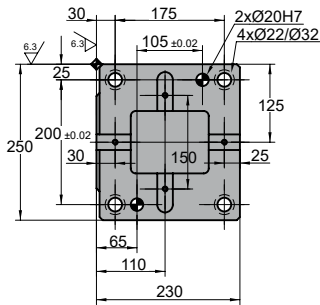
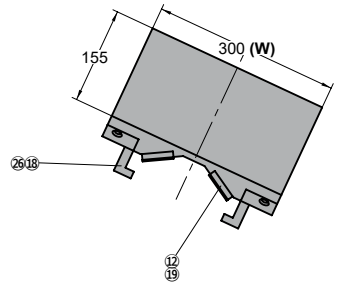
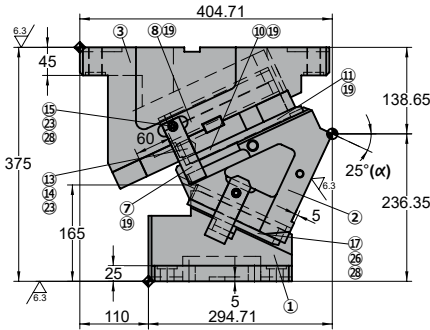
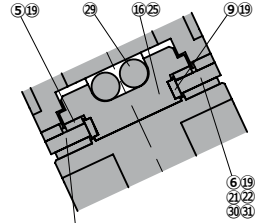
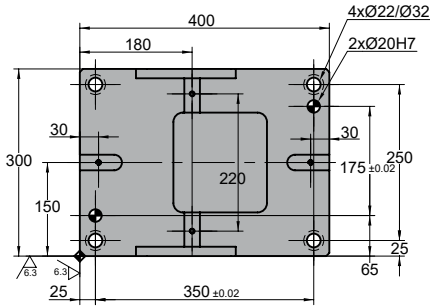
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

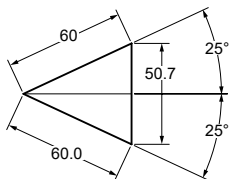
Aerial cam for pierce and flange



ASVX 0300 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
60.0	364.0 (37.1)	---	21057.4 (2148.7)	158.6	ASVX	0300	25



Order: Model (W) (α)

ASVX 0300 25

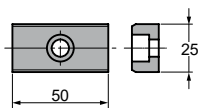
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 25-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

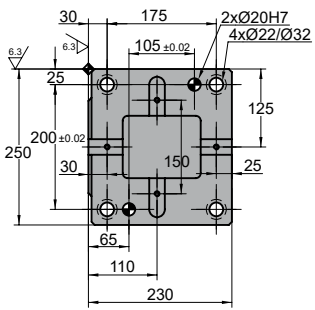
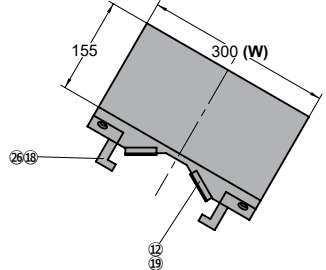
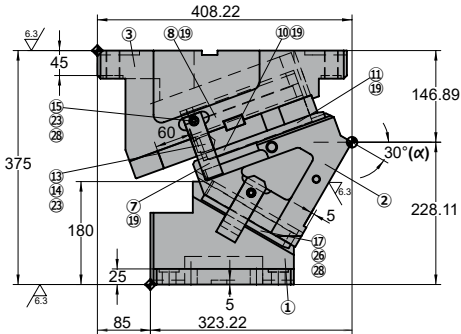
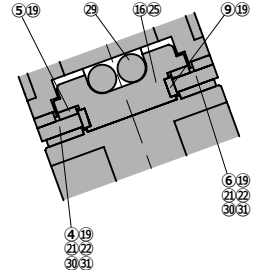
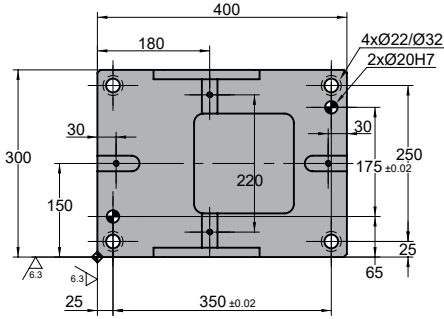
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

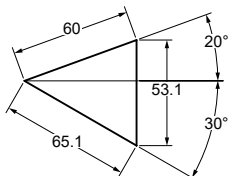
Aerial cam for pierce and flange



ASVX 0300 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
65.1	364.0 (37.1)	---	21057.4 (2148.7)	157.1	ASVX	0300	30



Order: Model (W) (α)

ASVX 0300 30

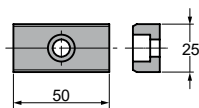
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 30-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

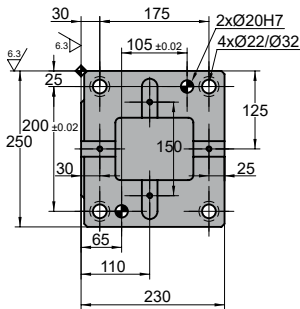
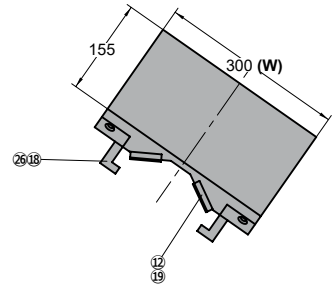
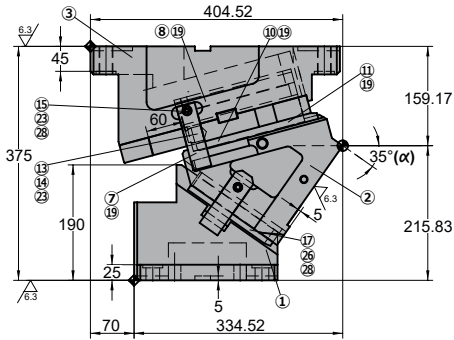
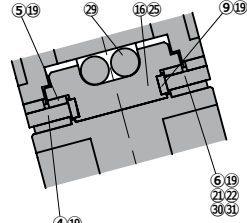
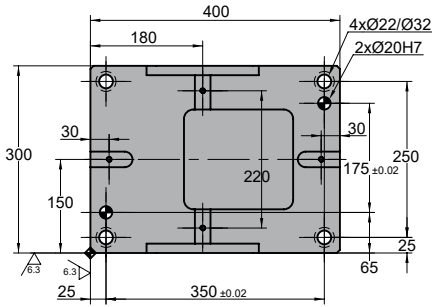
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

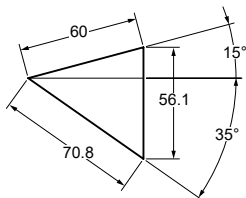
Aerial cam for pierce and flange



ASVX 0300 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
70.8	364.0 (37.1)	---	21057.4 (2148.7)	158.1	ASVX	0300	35



Order: Model (W) (α)

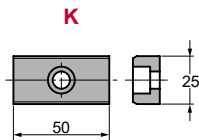
ASVX 0300 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 35-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

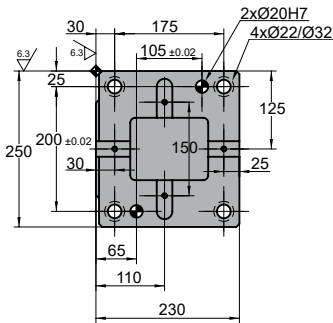
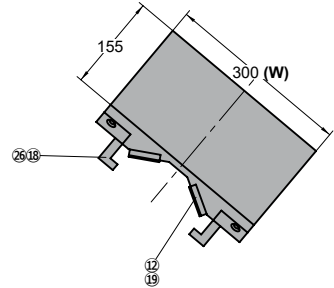
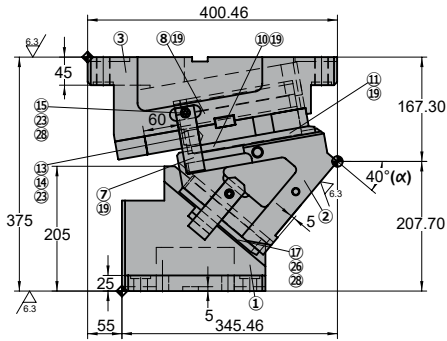
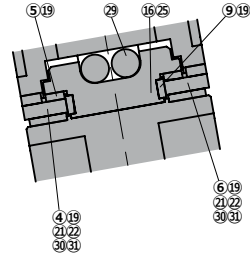
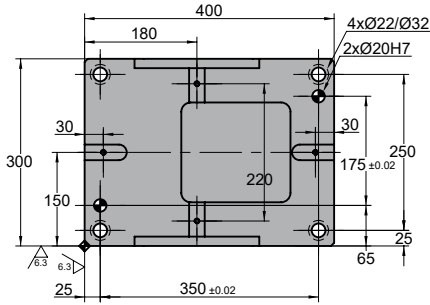
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

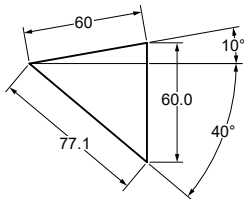
Aerial cam for pierce and flange



ASVX 0300 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
77.1	364.0 (37.1)	---	21057.4 (2148.7)	159.4	ASVX	0300	40



Order: Model (W) (α)

ASVX 0300 40

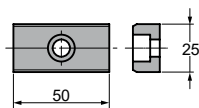
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 40-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

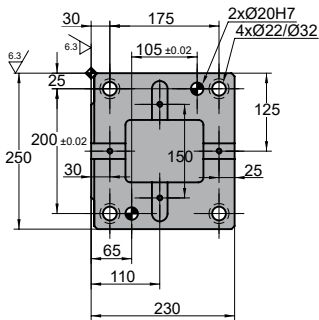
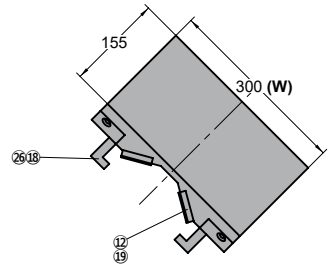
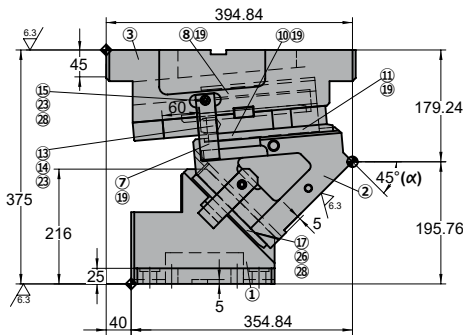
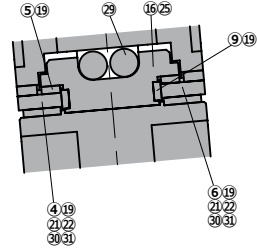
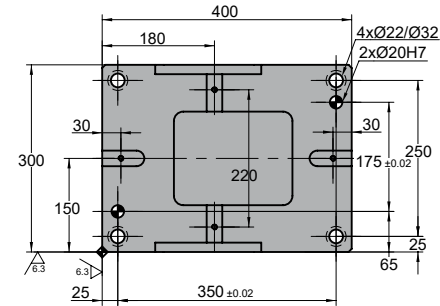
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

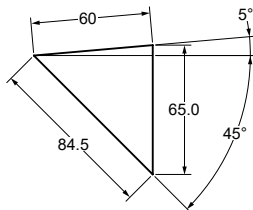
Aerial cam for pierce and flange



ASVX 0300 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
84.5	364.0 (37.1)	---	21057.4 (2148.7)	159.0	ASVX	0300	45



Order: Model (W) (α)

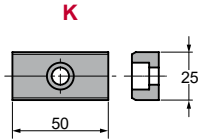
ASVX 0300 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 45-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

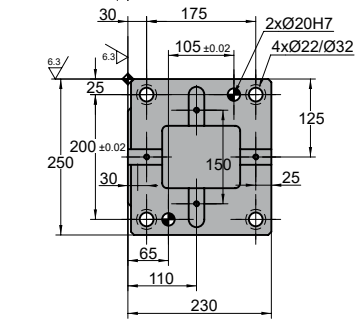
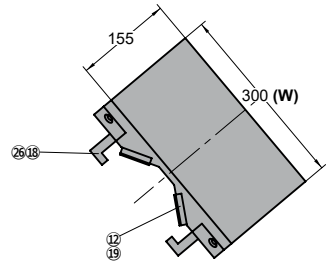
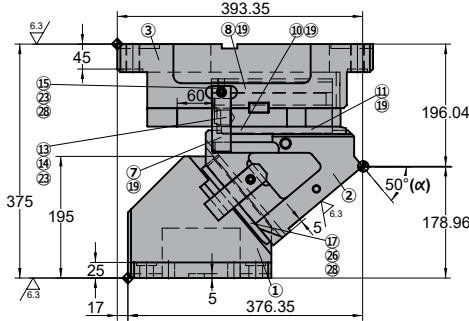
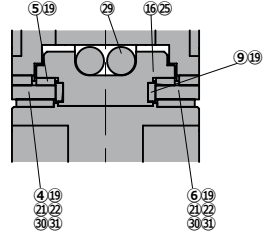
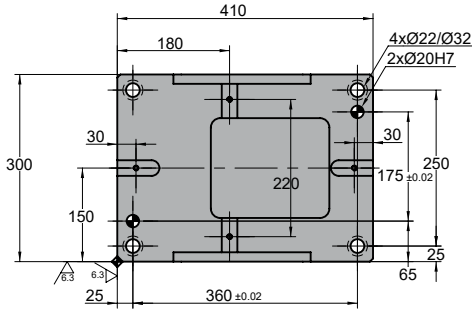
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

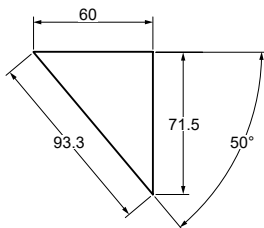
Aerial cam for pierce and flange



ASVX 0300 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
93.3	364.0 (37.1)	---	21057.4 (2148.7)	157.7	ASVX	0300	50



Order: Model (W) (α)

ASVX 0300 50

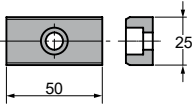
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 50-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

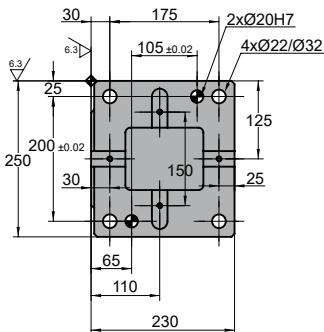
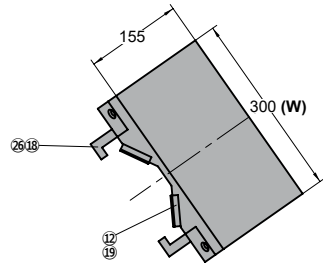
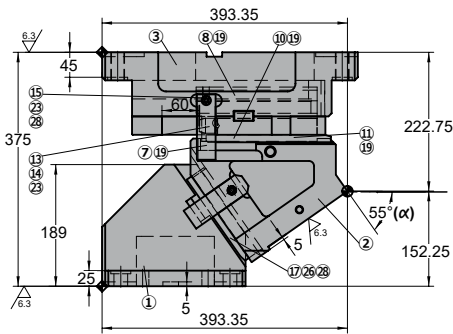
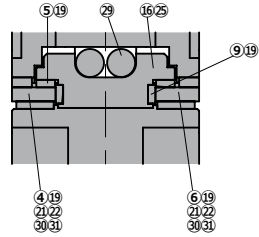
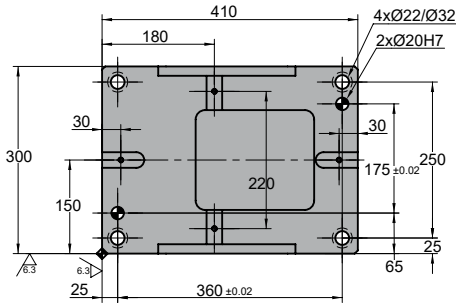
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

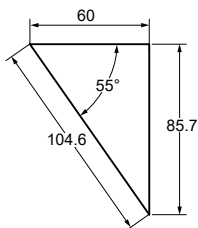
Aerial cam for pierce and flange



ASVX 0300 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
104.6	364.0 (37.1)	---	21057.4 (2148.7)	162.3	ASVX	0300	55



Order: Model (W) (α)

ASVX 0300 55

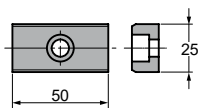
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 55-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

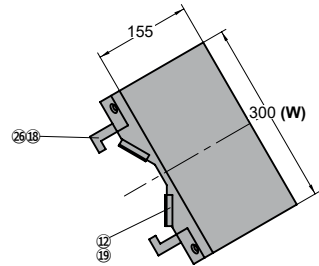
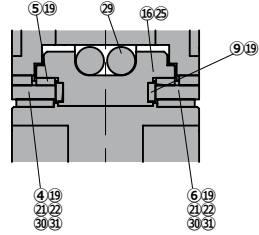
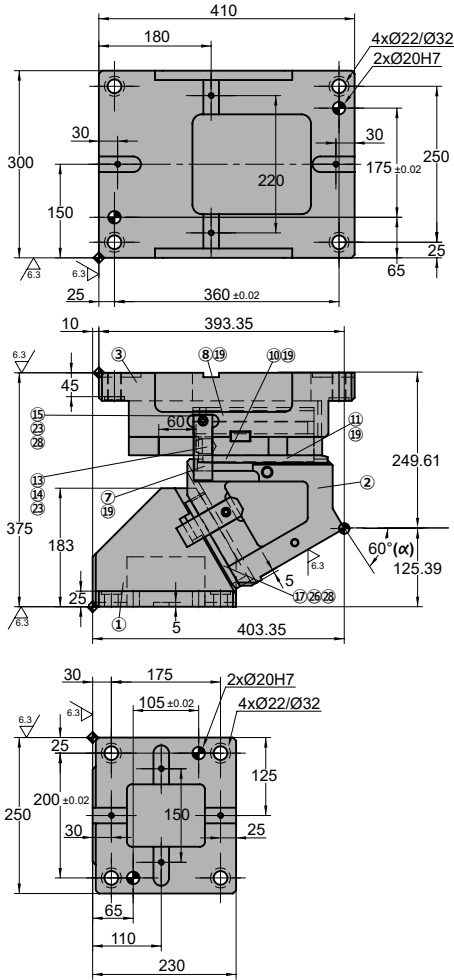
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

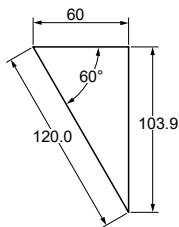
Aerial cam for pierce and flange



ASVX 0300 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
120.0	364.0 (37.1)	---	21057.4 (2148.7)	166.9	ASVX	0300	60



Order: Model (W) (α)

ASVX 0300 60

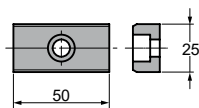
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 60-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

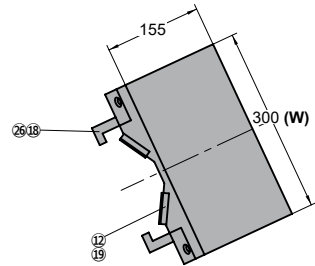
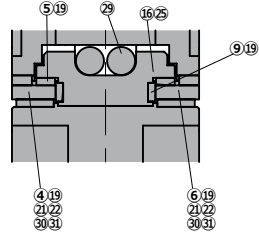
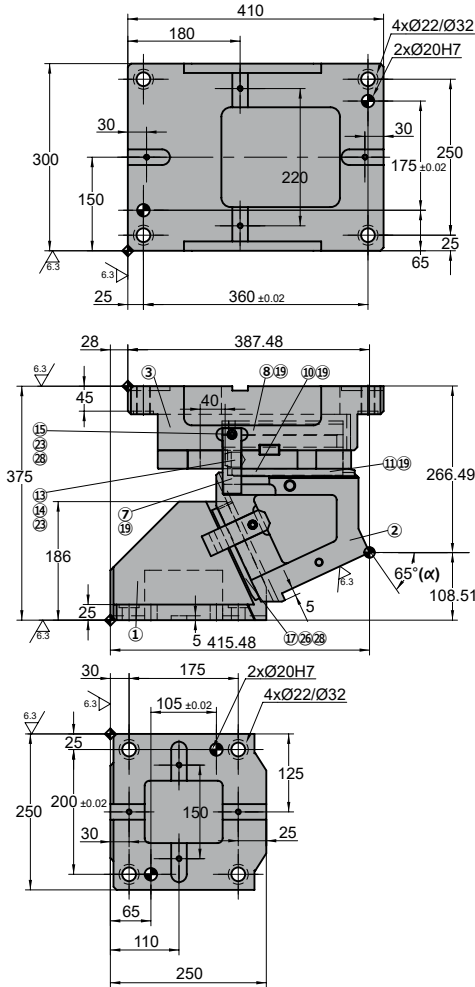
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

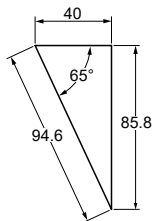
Aerial cam for pierce and flange



ASVX 0300 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
94.6	364.0 (37.1)	---	19737.0 (2014.0)	171.7	ASVX	0300	65



Order: Model (W) (α)

ASVX 0300 65

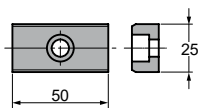
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 65-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

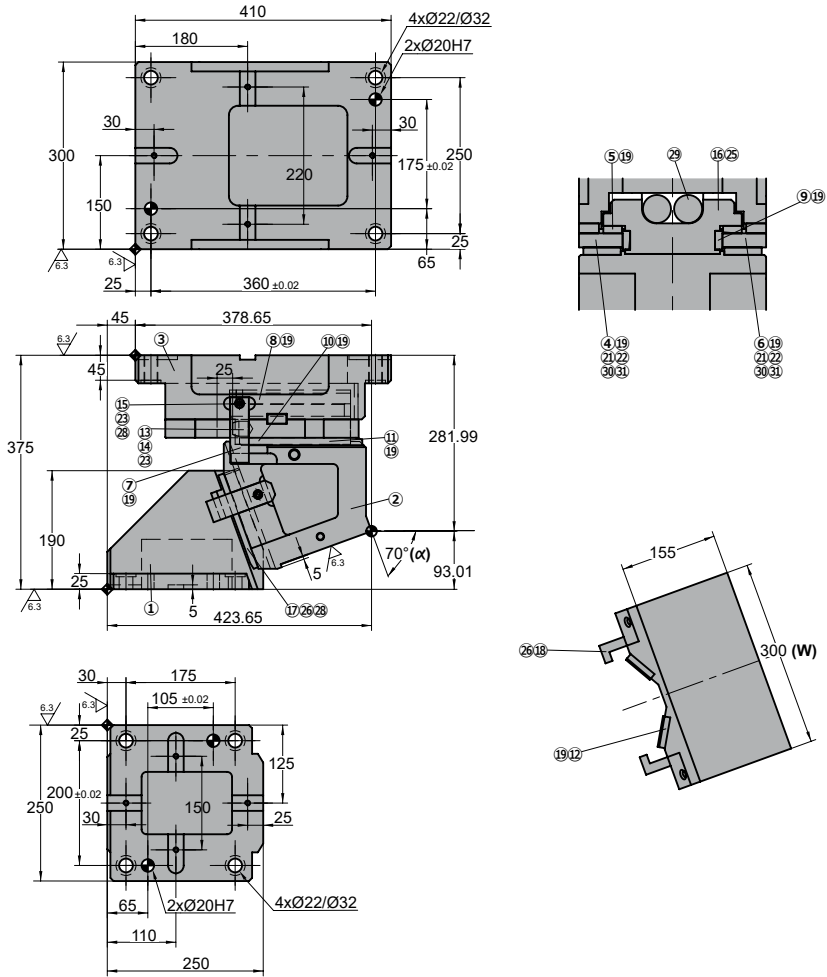
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 063
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

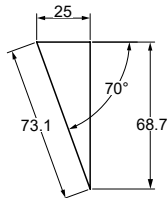
Aerial cam for pierce and flange



ASVX 0300 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
73.1	364.0 (37.1)	---	18399.3 (1877.4)	176.8	ASVX	0300	70



Order: Model (W) (α)

ASVX 0300 70

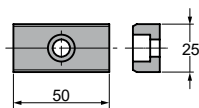
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 70-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

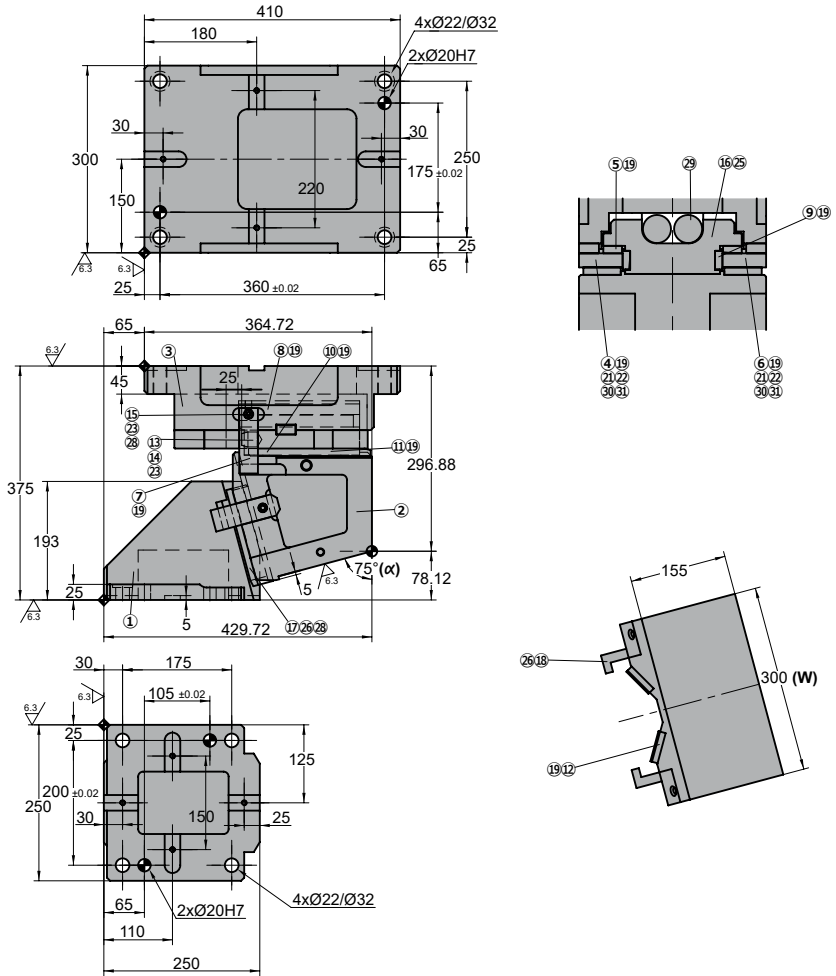
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 050
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

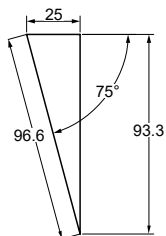
Aerial cam for pierce and flange



ASVX 0300 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
96.6	364.0 (37.1)	---	18399.3 (1877.4)	182.2	ASVX	0300	75



Order: Model (W) (α)

ASVX 0300 75

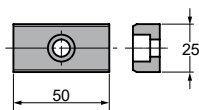
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 75-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

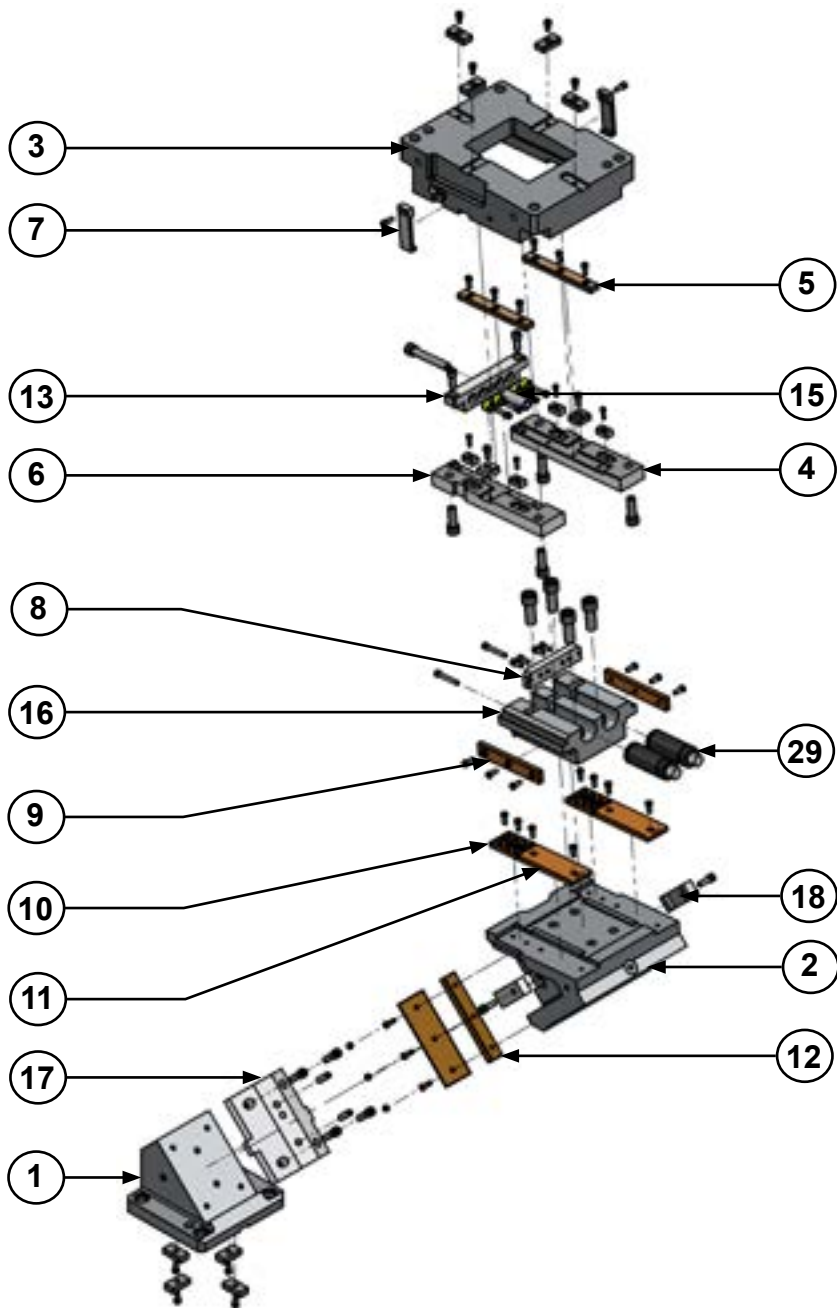
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 050
㉚	Key	4	CK45
㉛	Key	2	CK45

ASVX 0300

Aerial cam for pierce and flange

ASVX 0350

Aerial cam for pierce and flange

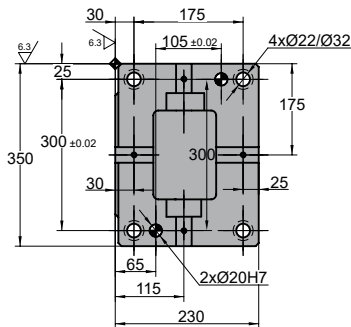
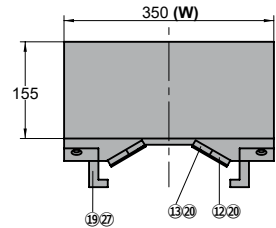
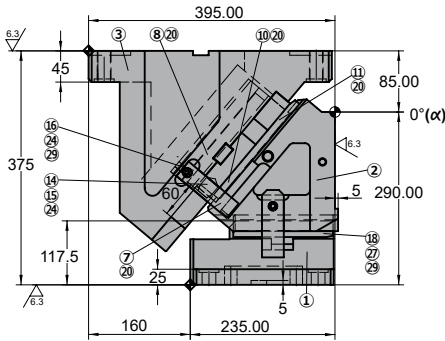
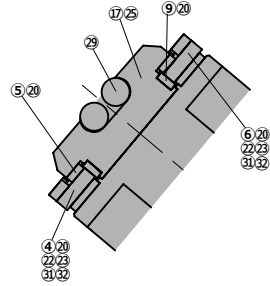
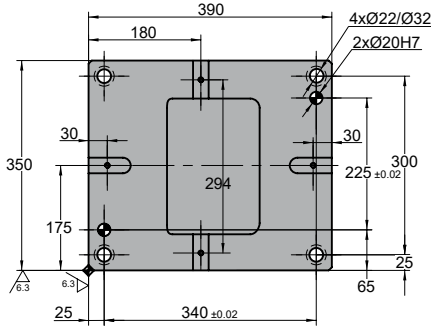


ASVX 0350

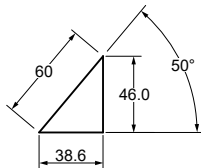
Aerial cam for pierce and flange



ASVX 0350 00



◦Cam diagram:



◦Desassembling space:

Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
38.6	405.0 (41.3)	---	27263.8 (2780.1)	212.6	ASVX	0350	00



Order: Model (W) (α)

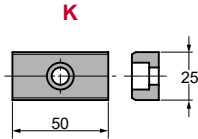
ASVX 0350 00

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 00-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

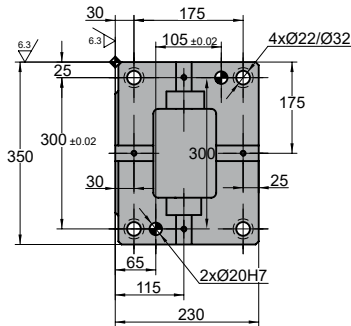
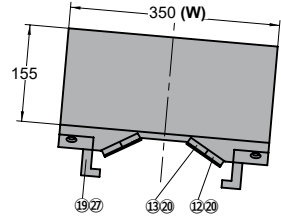
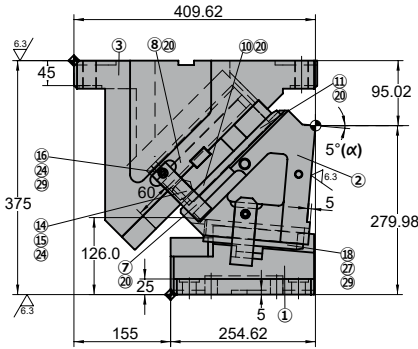
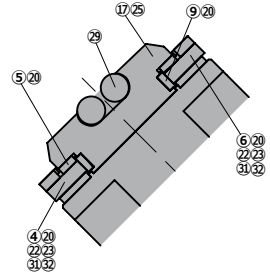
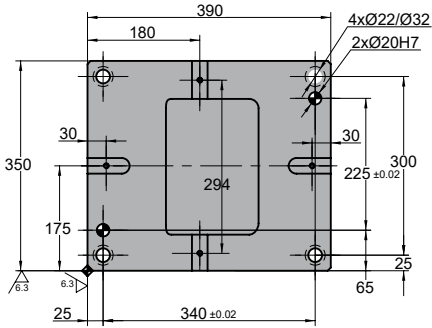
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

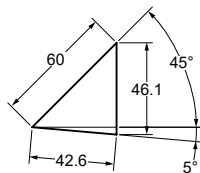
Aerial cam for pierce and flange



ASVX 0350 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.6	405.0 (41.3)	---	27263.8 (2780.1)	214.7	ASVX	0350	05



Order: Model (W) (α)

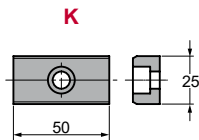
ASVX 0350 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 05-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

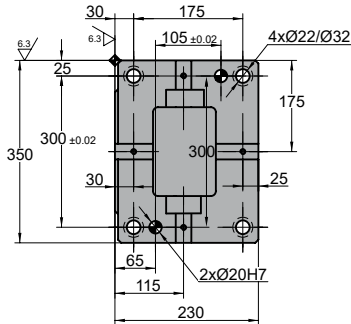
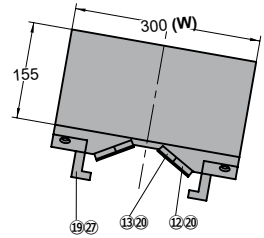
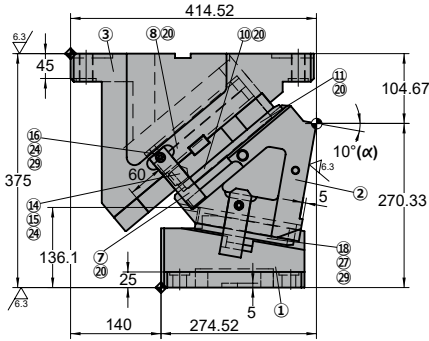
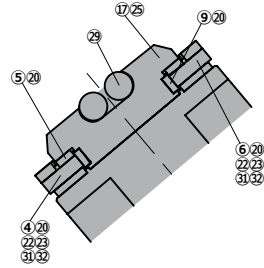
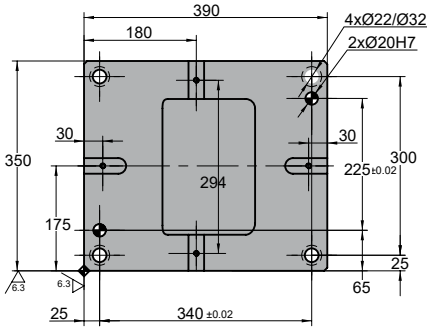
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

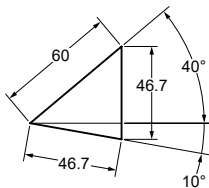
Aerial cam for pierce and flange



ASVX 0350 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
46.7	405.0 (41.3)	---	27263.8 (2780.1)	207.2	ASVX	0350	10



Order: Model (W) (α)

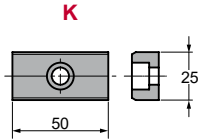
ASVX 0350 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 10-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

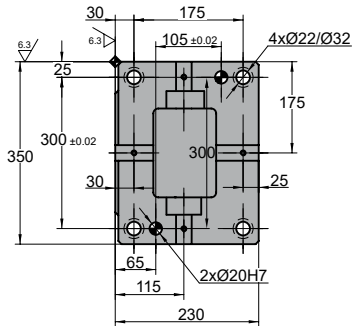
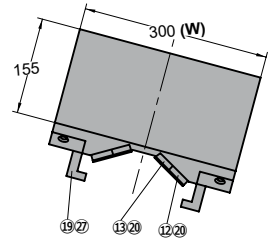
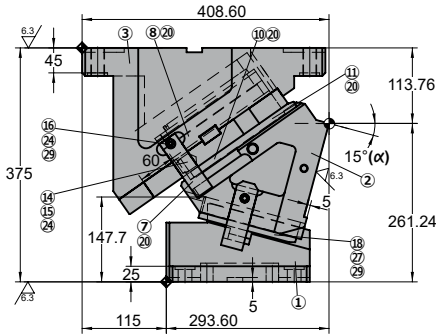
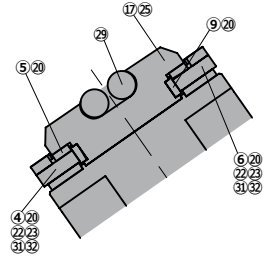
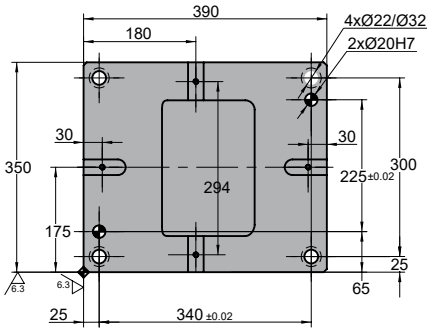
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

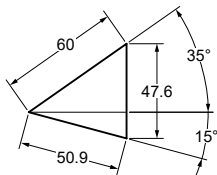
Aerial cam for pierce and flange



ASVX 0350 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
50.9	405.0 (41.3)	---	27263.8 (2780.1)	204.7	ASVX	0350	15



Order: Model (W) (α)

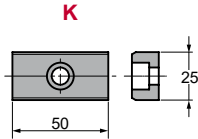
ASVX 0350 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 15-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

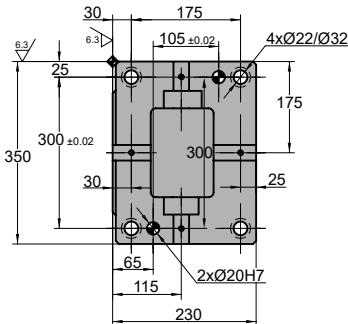
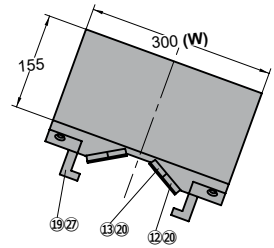
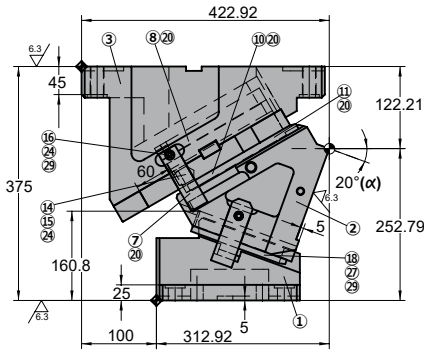
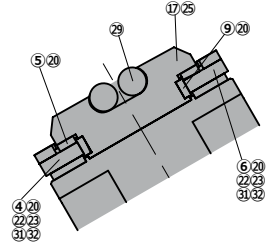
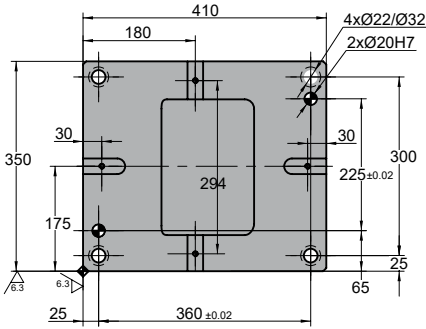
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

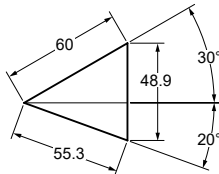
Aerial cam for pierce and flange



ASVX 0350 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
55.3	405.0 (41.3)	---	27263.8 (2780.1)	205.5	ASVX	0350	20



Order: Model (W) (α)

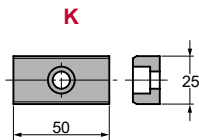
ASVX 0350 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 20-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

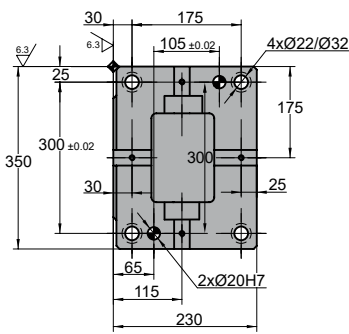
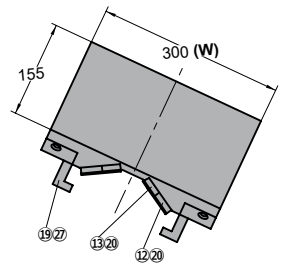
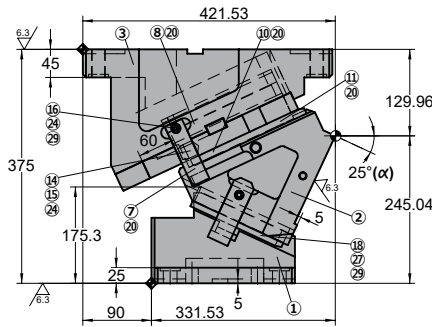
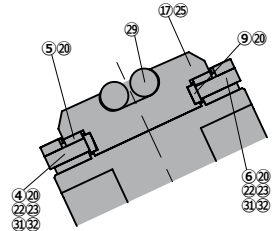
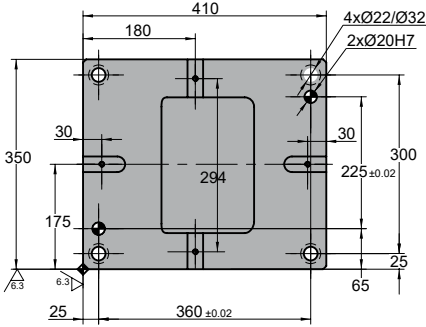
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

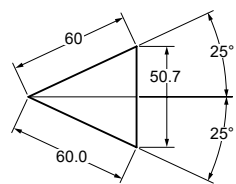
Aerial cam for pierce and flange



ASVX 0350 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
60.0	405.0 (41.3)	---	27263.8 (2780.1)	204.1	ASVX	0350	25



Order: Model (W) (α)

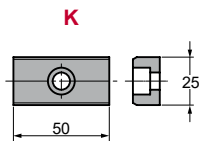
ASVX 0350 25

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 25-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

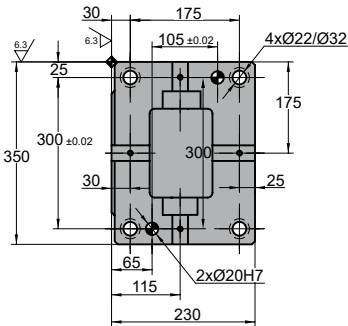
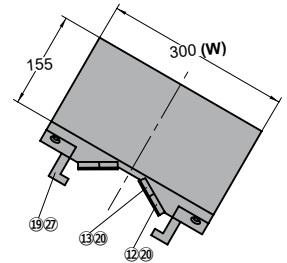
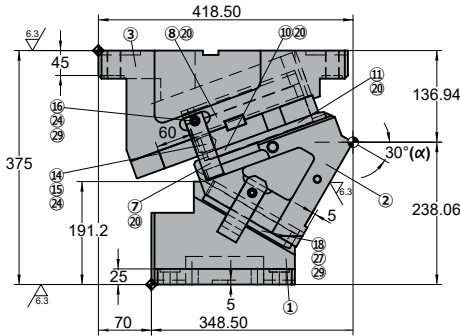
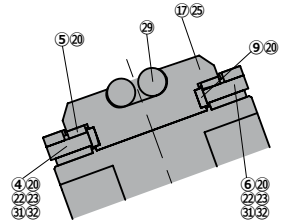
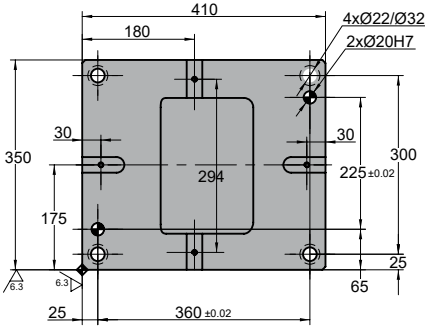
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

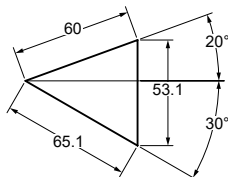
Aerial cam for pierce and flange



ASVX 0350 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
65.1	405.0 (41.3)	---	27263.8 (2780.1)	203.7	ASVX	0350	30



Order: Model (W) (α)

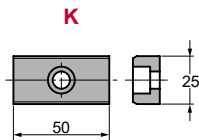
ASVX 0350 30

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 30-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

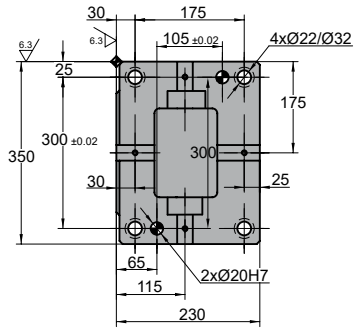
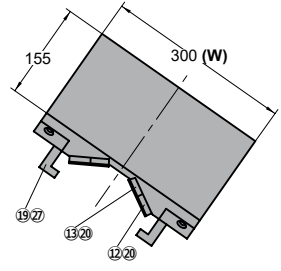
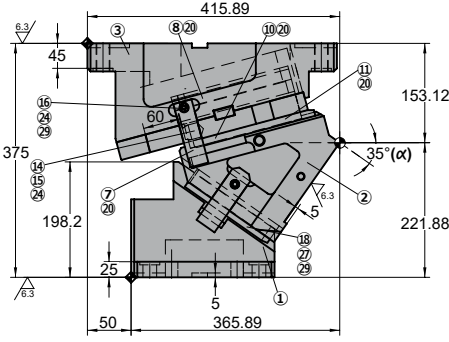
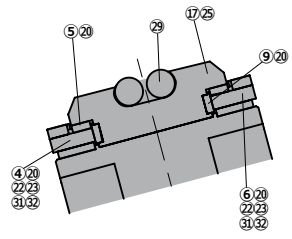
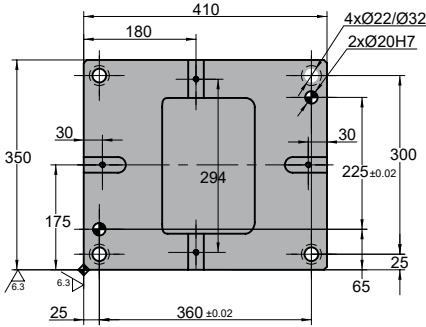
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

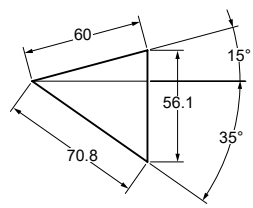
Aerial cam for pierce and flange



ASVX 0350 35



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
70.8	405.0 (41.3)	---	27263.8 (2780.1)	204.8	ASVX	0350	35



Order: Model (W) (α)

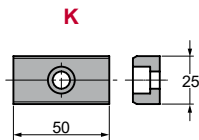
ASVX 0350 35

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 35-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

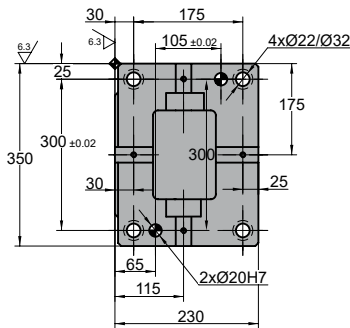
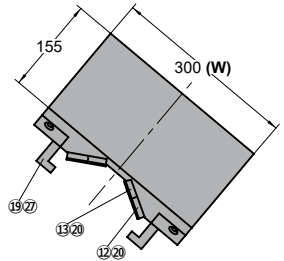
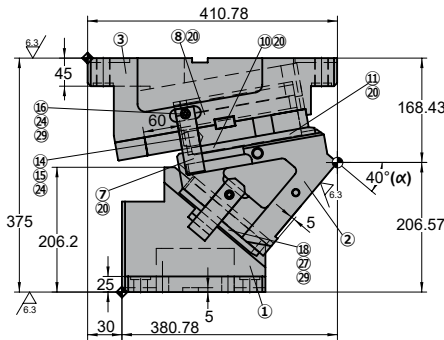
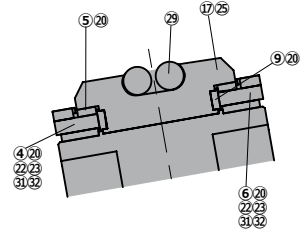
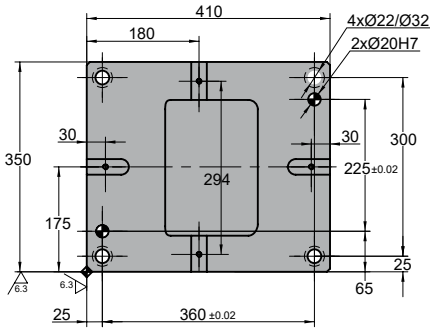
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

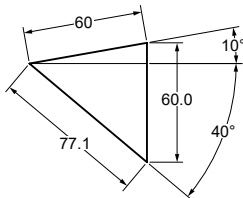
Aerial cam for pierce and flange



ASVX 0350 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
77.1	405.0 (41.3)	---	27263.8 (2780.1)	207.3	ASVX	0350	40



Order: Model (W) (α)

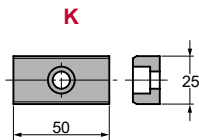
ASVX 0350 40

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 40-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

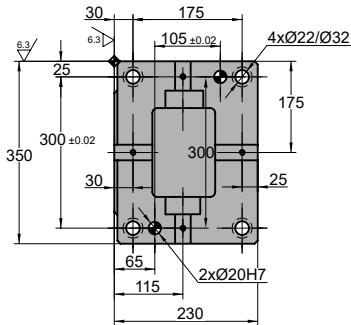
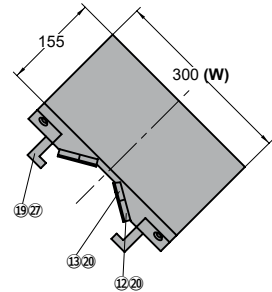
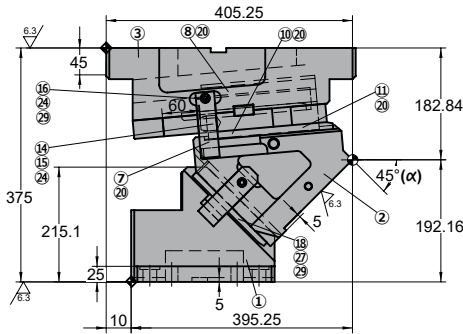
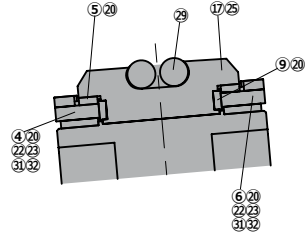
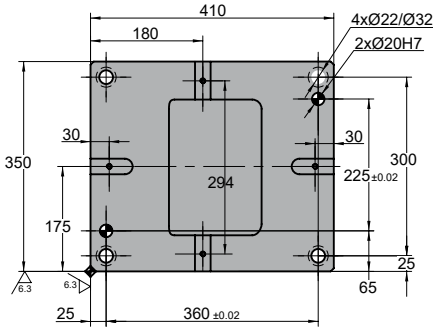
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

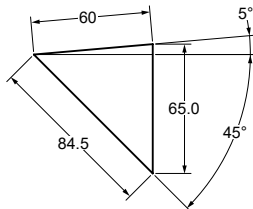
Aerial cam for pierce and flange



ASVX 0350 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
84.5	405.0 (41.3)	---	27263.8 (2780.1)	209.9	ASVX	0350	45



Order: Model (W) (α)

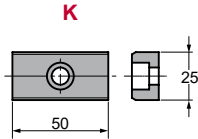
ASVX 0350 45

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 45-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

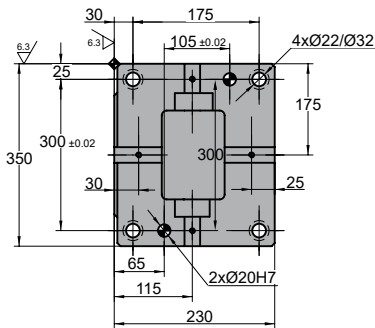
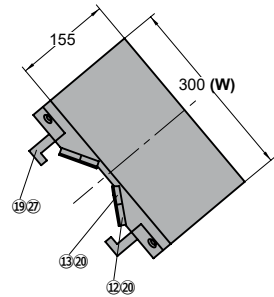
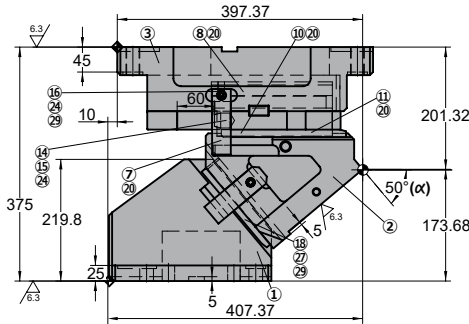
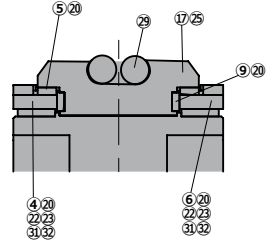
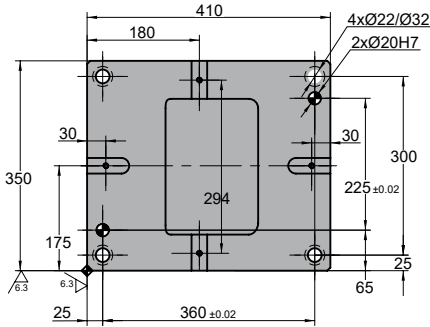
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

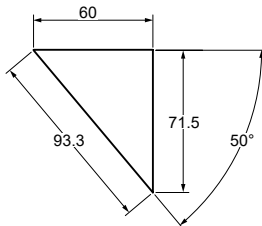
Aerial cam for pierce and flange



ASVX 0350 50



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
93.3	405.0 (41.3)	---	27263.8 (2780.1)	211.1	ASVX	0350	50



Order: Model (W) (α)

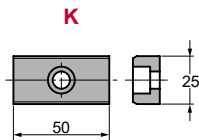
ASVX 0350 50

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 50-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

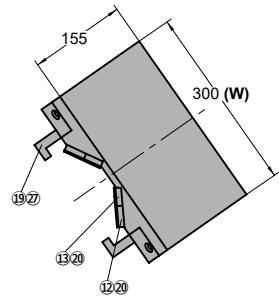
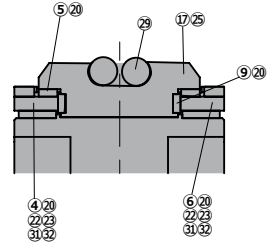
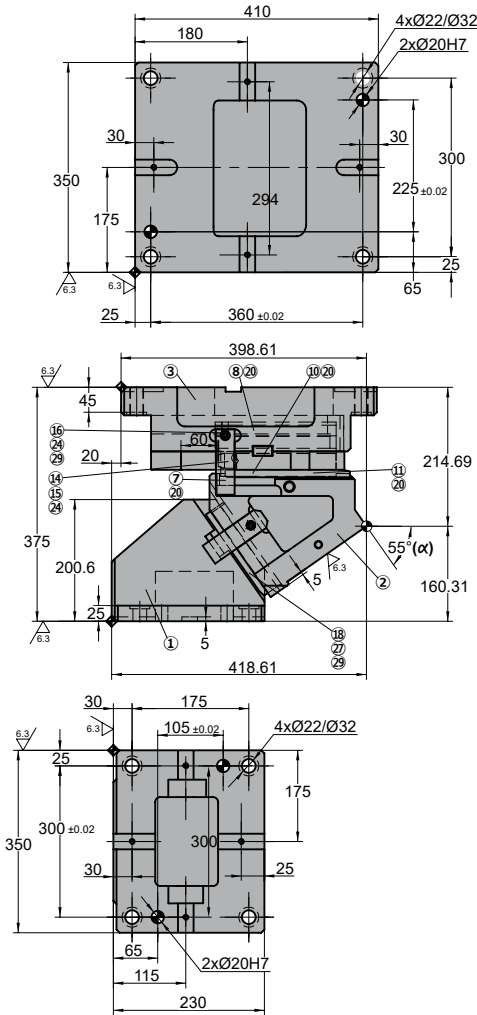
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 080
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

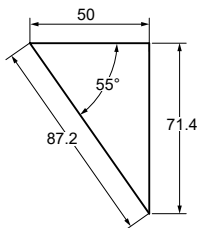
Aerial cam for pierce and flange



ASVX 0350 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
87.2	405.0 (41.3)	---	25853.7 (2636.3)	208.9	ASVX	0350	55



Order: Model (W) (α)

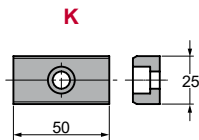
ASVX 0350 55

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 55-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

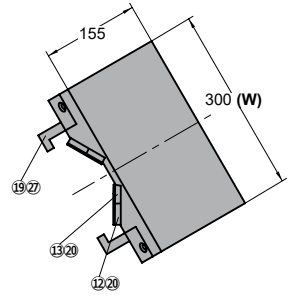
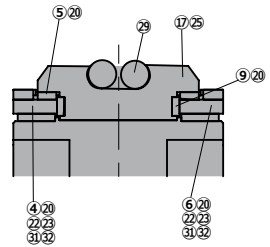
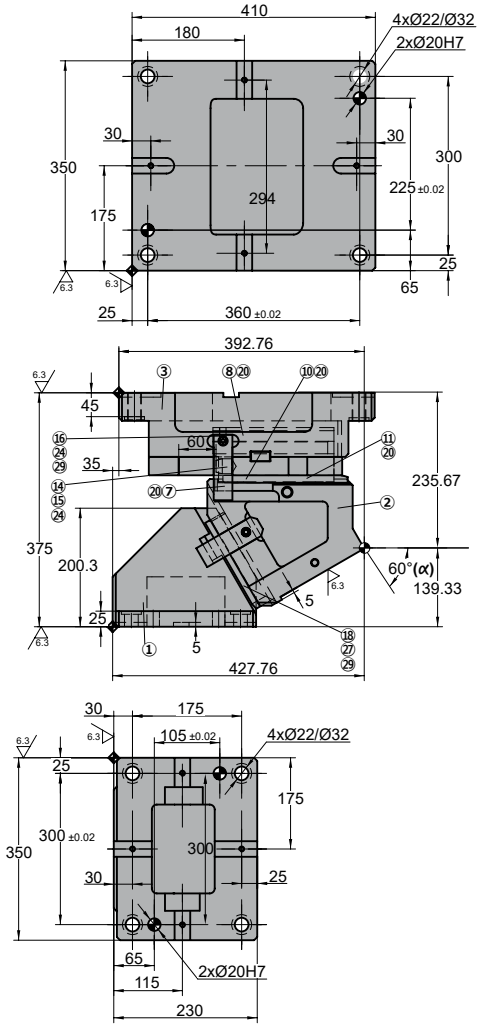
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 075
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

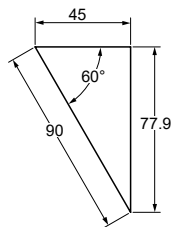
Aerial cam for pierce and flange



ASVX 0350 60



◦Cam diagram:



◦Desassembling space:



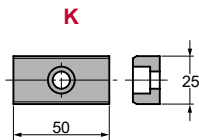
Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
90.0	405.0 (41.3)	---	26538.8 (2706.2)	214.3	ASVX	0350	60

Order: Model (W) (α)**ASVX 0350 60**Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option**ASVX 0350 60-K**

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

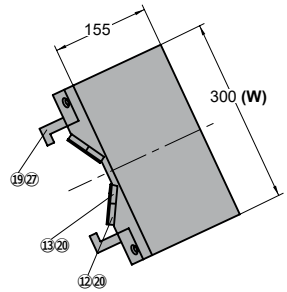
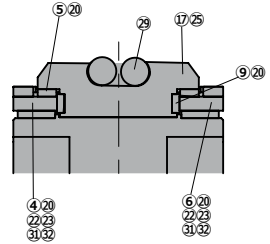
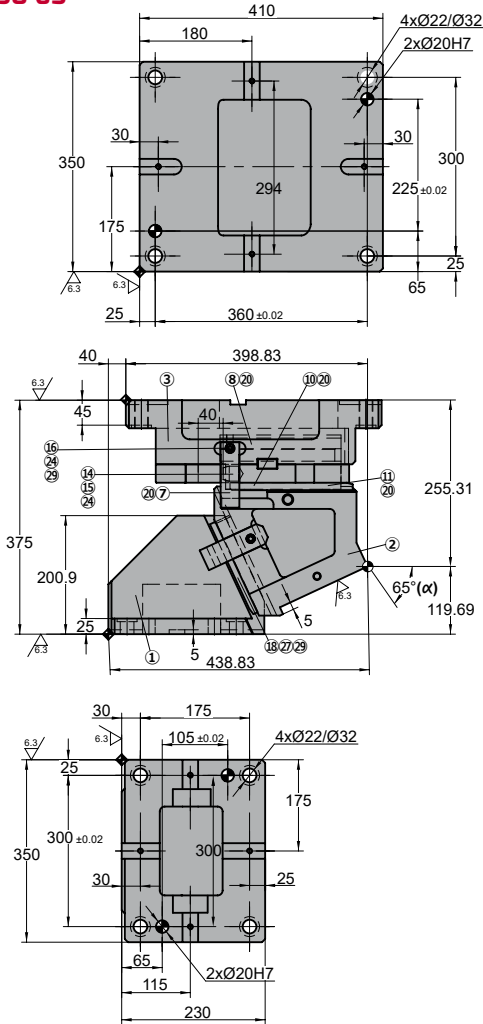
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 063
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

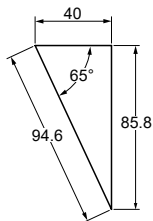
Aerial cam for pierce and flange



ASVX 0350 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
94.6	405.0 (41.3)	---	25295.5 (2579.4)	218.7	ASVX	0350	65



Order: Model (W) (α)

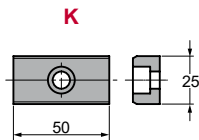
ASVX 0350 65

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 65-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

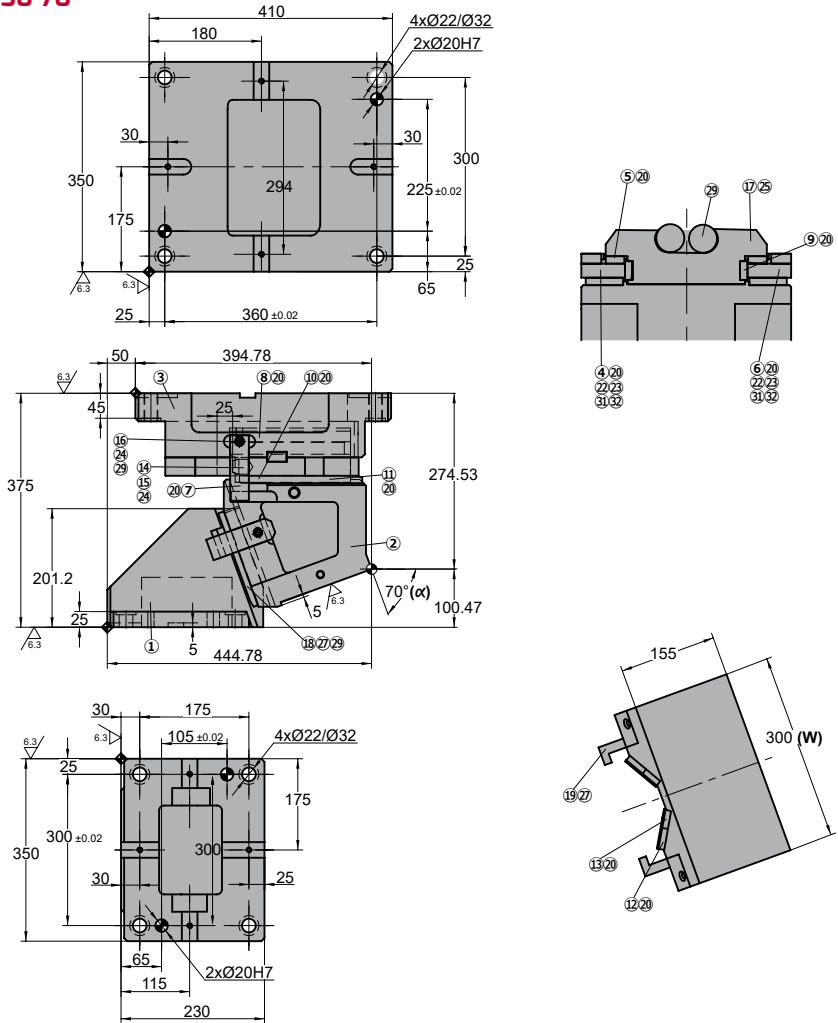
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 063
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

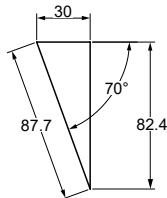
Aerial cam for pierce and flange



ASVX 0350 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
87.7	405.0 (41.3)	---	24685.8 (2517.2)	225.7	ASVX	0350	70



Order: Model (W) (α)

ASVX 0350 70

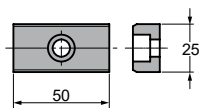
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0350 70-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

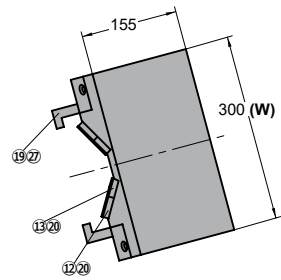
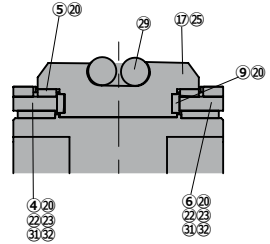
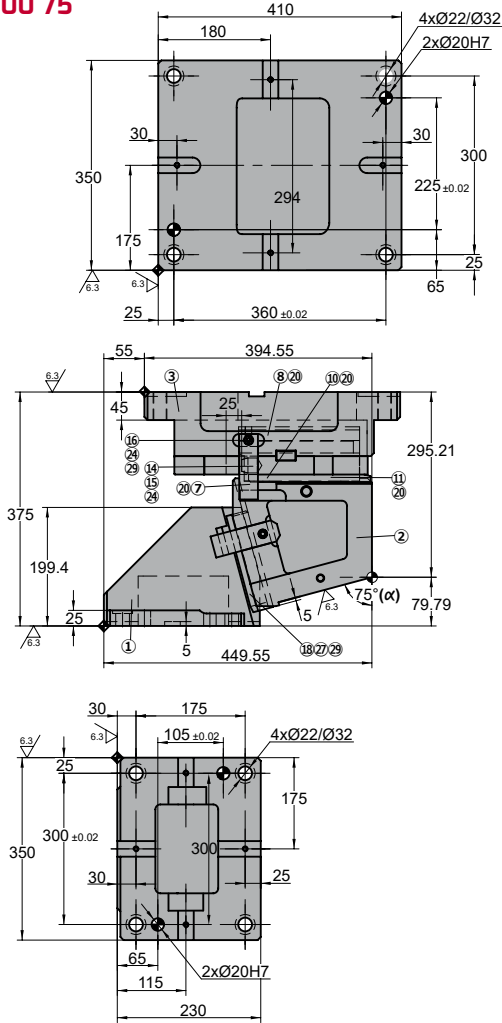
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 050
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

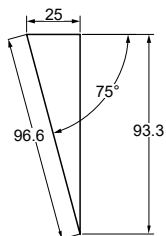
Aerial cam for pierce and flange



ASVX 0300 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
96.6	405.0 (41.3)	---	23356.0 (2381.6)	231.1	ASVX	0350	75



Order: Model (W) (α)

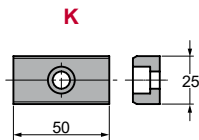
ASVX 0300 75

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0300 75-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ⑳ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

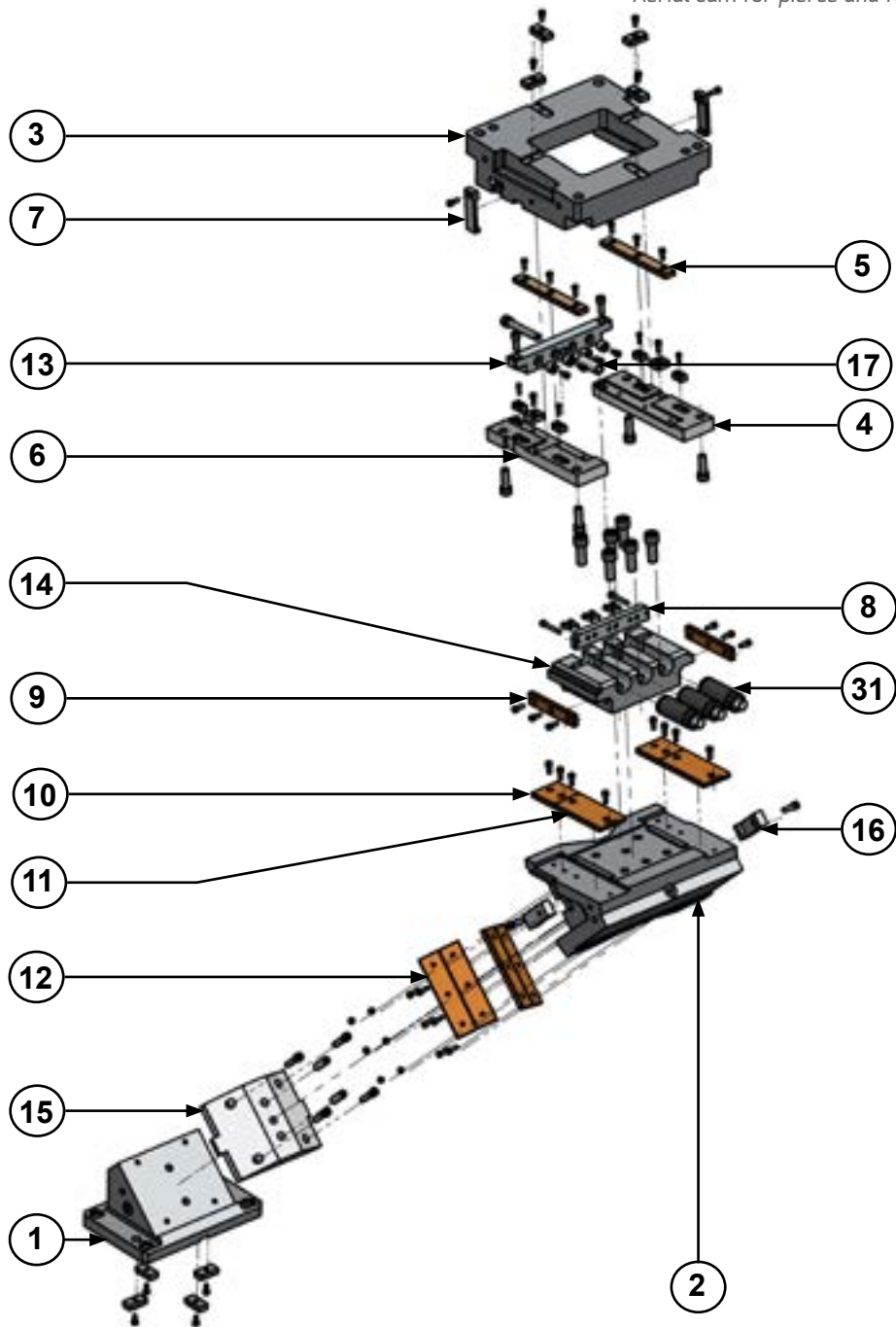
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 750 050
㉛	Key	4	CK45
㉜	Key	2	CK45

ASVX 0350

Aerial cam for pierce and flange

ASVX 0400

Aerial cam for pierce and flange

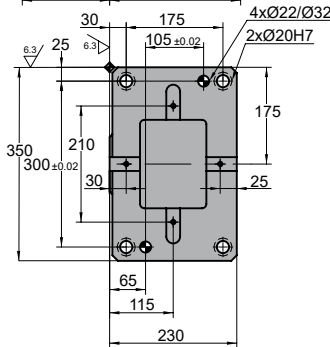
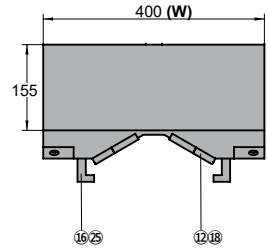
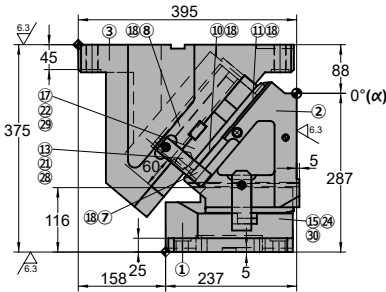
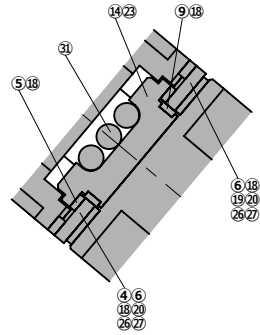
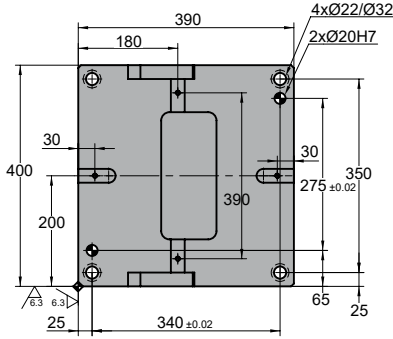


ASVX 0400

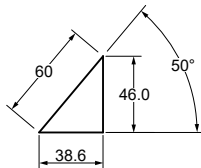
Aerial cam for pierce and flange



ASVX 0400 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
38.6	450.0 (45.9)	---	31587.3 (3222.9)	224.6	ASVX	0400	00



Order: Model (W) (α)

ASVX 0400 00

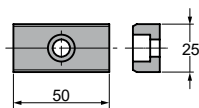
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 00-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

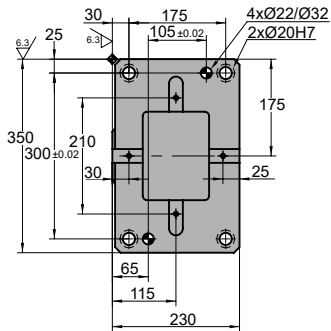
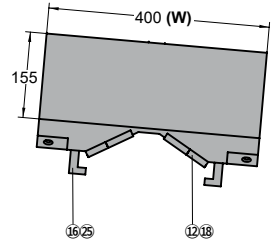
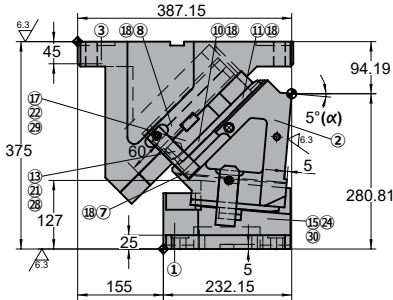
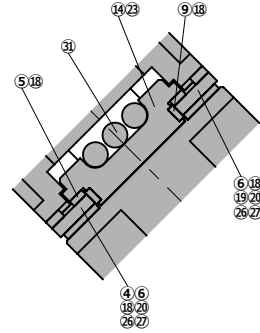
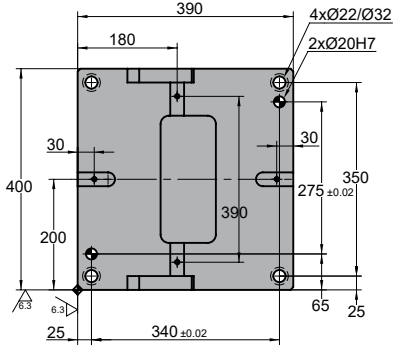
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

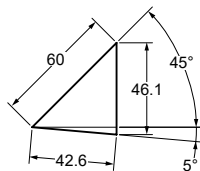
Aerial cam for pierce and flange



ASVX 0400 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
42.6	450.0 (45.9)	---	31587.3 (3222.9)	221.3	ASVX	0400	05



Order: Model (W) (α)

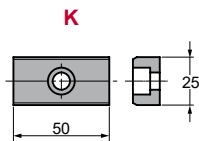
ASVX 0400 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 05-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

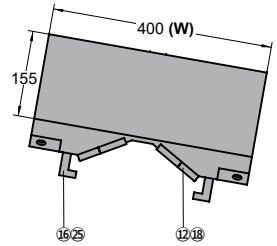
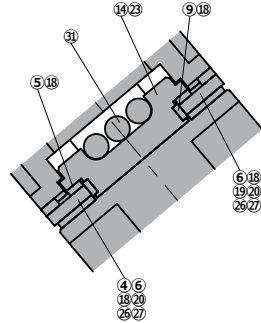
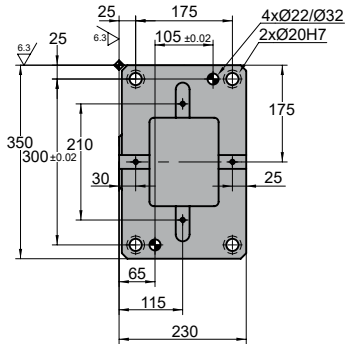
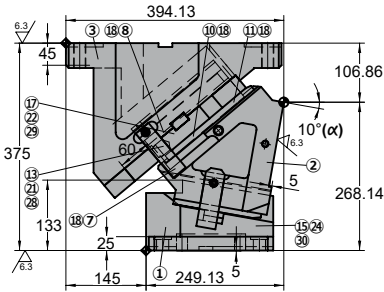
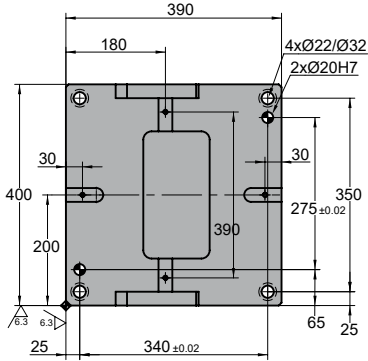
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

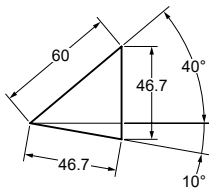
Aerial cam for pierce and flange



ASVX 0400 10



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
46.7	450.0 (45.9)	---	31587.3 (3222.9)	218.7	ASVX	0400	10



Order: Model (W) (α)

ASVX 0400 10

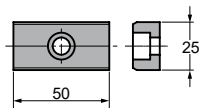
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 10-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

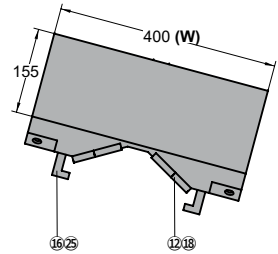
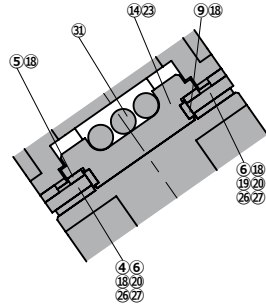
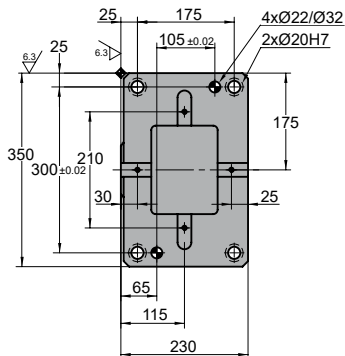
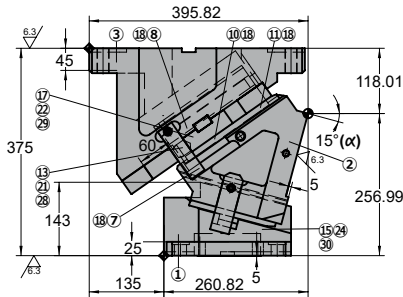
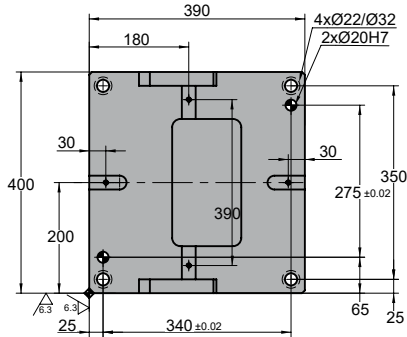
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

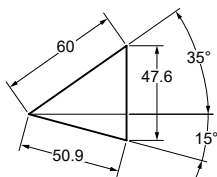
Aerial cam for pierce and flange



ASVX 0400 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
50.9	450.0 (45.9)	---	31587.3 (3222.9)	215.7	ASVX	0400	15



Order: Model (W) (α)

ASVX 0400 15

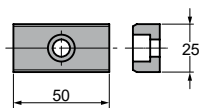
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 15-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

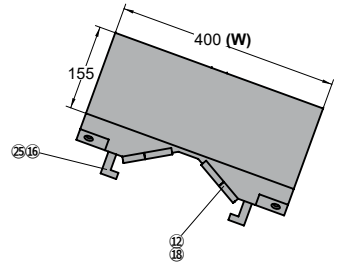
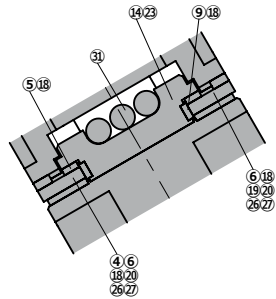
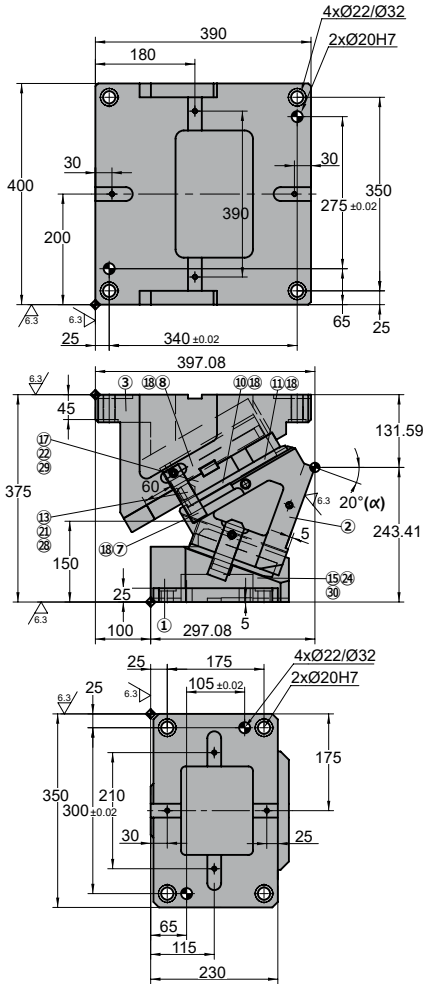
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

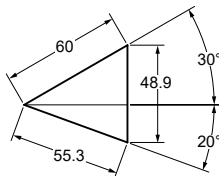
Aerial cam for pierce and flange



ASVX 0400 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
55.3	450.0 (45.9)	---	31587.3 (3222.9)	212.8	ASVX	0400	20



Order: Model (W) (α)

ASVX 0400 20

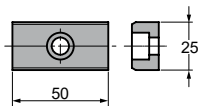
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 20-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

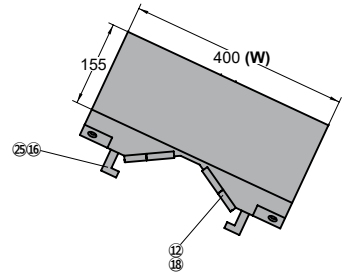
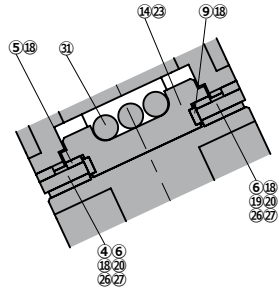
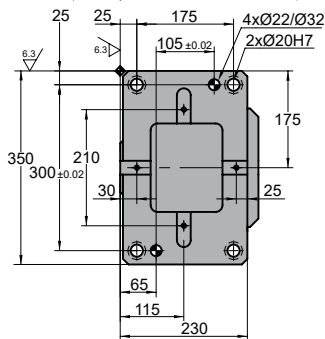
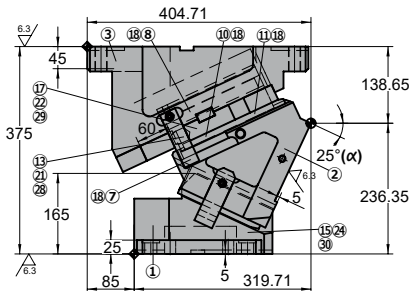
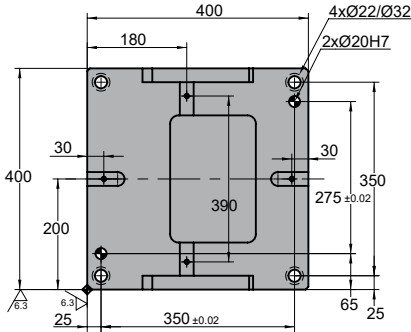
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

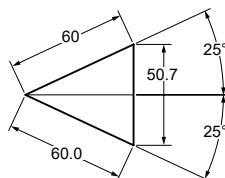
Aerial cam for pierce and flange



ASVX 0400 25



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
60.0	450.0 (45.9)	---	31587.3 (3222.9)	214.0	ASVX	0400	25



Order: Model (W) (α)

ASVX 0400 25

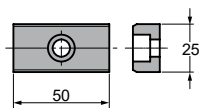
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 25-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

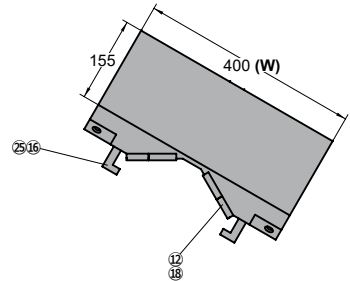
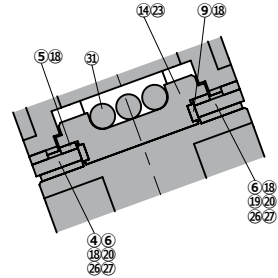
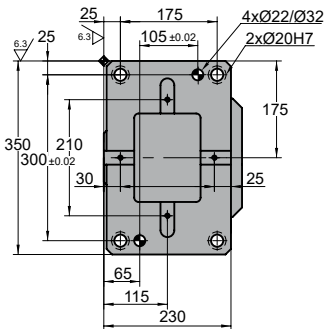
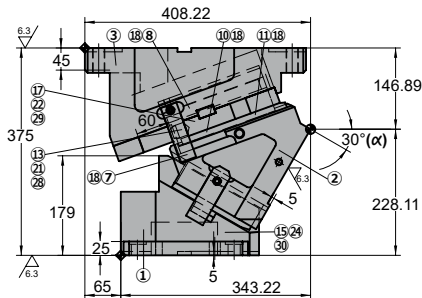
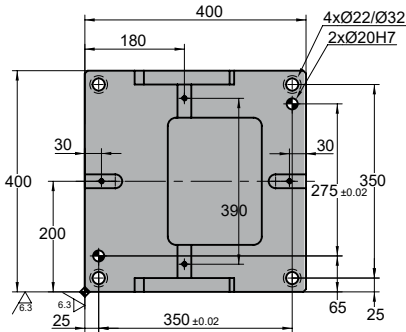
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

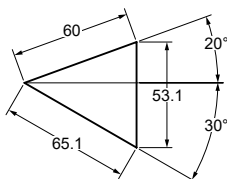
Aerial cam for pierce and flange



ASVX 0400 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
65.1	450.0 (45.9)	---	31587.3 (3222.9)	212.7	ASVX	0400	30



Order: Model (W) (α)

ASVX 0400 30

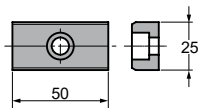
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 30-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

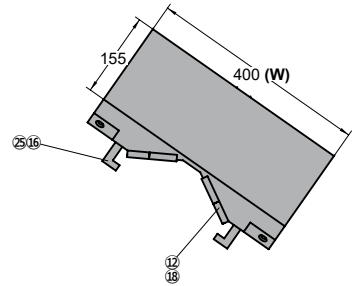
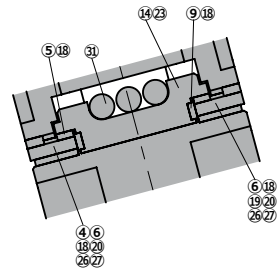
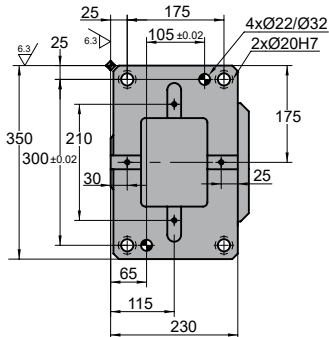
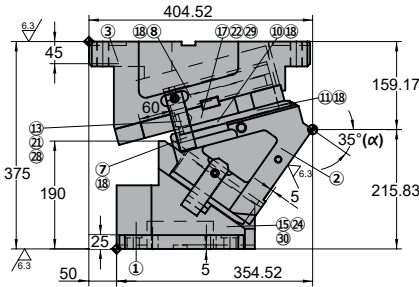
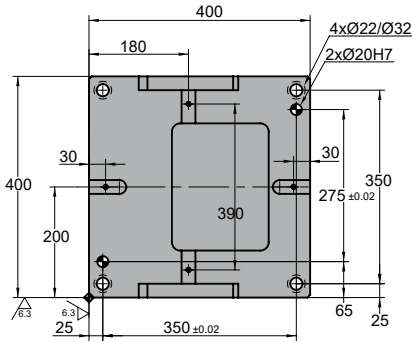
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

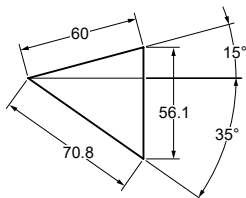
Aerial cam for pierce and flange



ASVX 0400 35



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
70.8	450.0 (45.9)	---	31587.3 (3222.9)	215.0	ASVX	0400	35



Order: Model (W) (α)

ASVX 0400 35

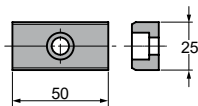
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 35-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

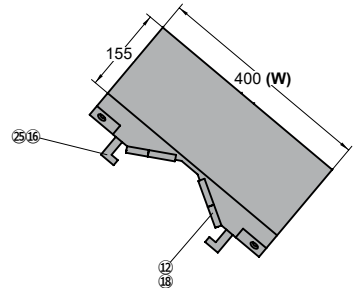
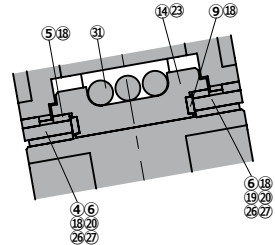
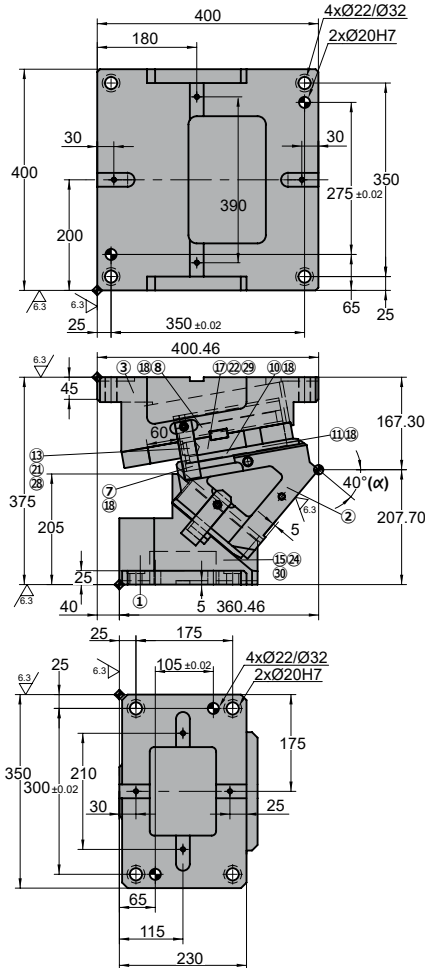
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 50
㉓	Screw	4	M12 x 45
㉔	Screw	2	M10 x 35
㉕	Key	2	CK45
㉖	Key	4	CK45
㉗	Stopper	4	Urethane
㉘	Nut	2	M16
㉙	Dowel Pin	4	Ø16 x 50
㉚	Gas Spring	3	CW 750 080

ASVX 0400

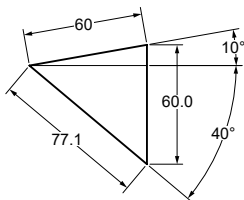
Aerial cam for pierce and flange



ASVX 0400 40



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
77.1	450.0 (45.9)	---	31587.3 (3222.9)	216.2	ASVX	0400	40



Order: Model (W) (α)

ASVX 0400 40

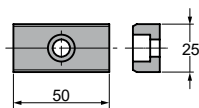
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 40-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

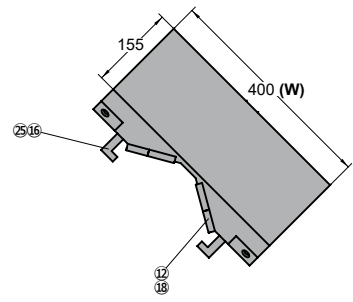
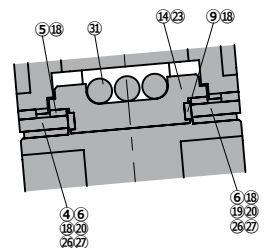
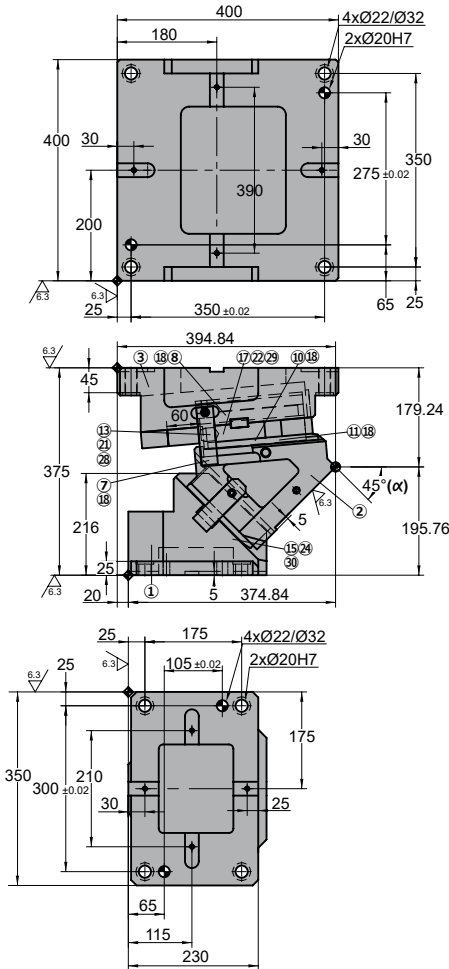
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

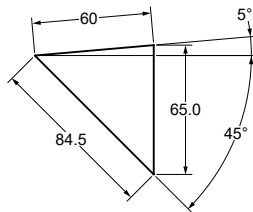
Aerial cam for pierce and flange



ASVX 0400 45



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
84.5	450.0 (45.9)	---	31587.3 (3222.9)	217.3	ASVX	0400	45



Order: Model (W) (α)

ASVX 0400 45

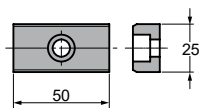
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 45-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

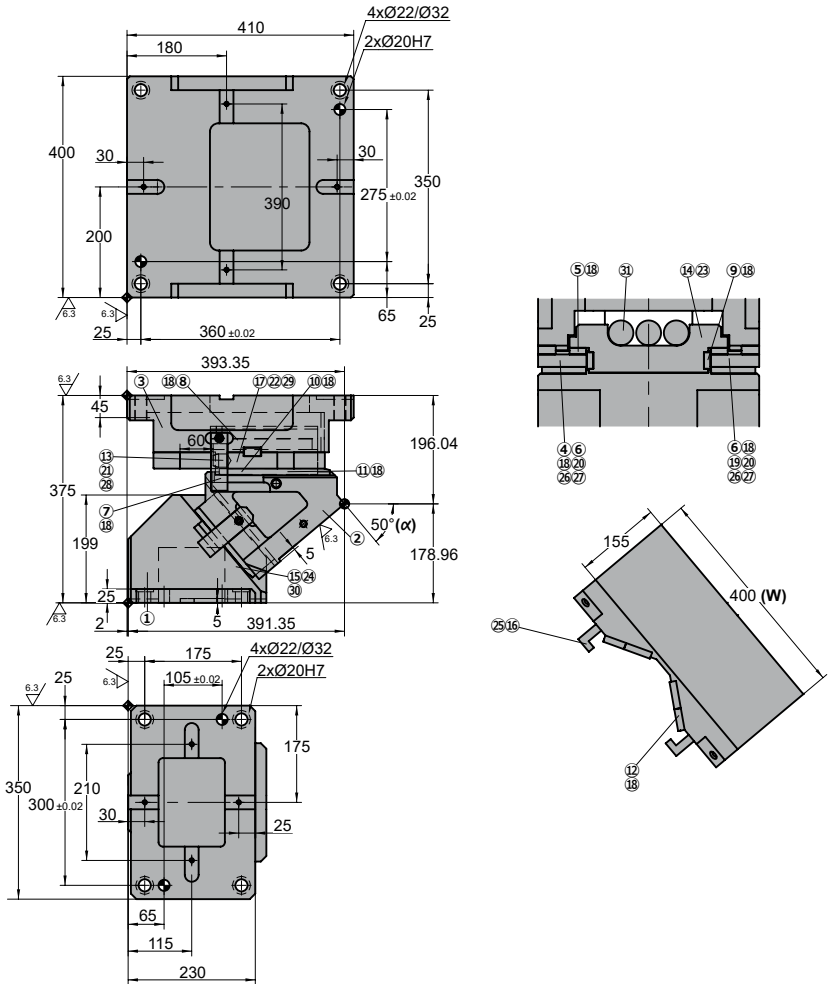
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

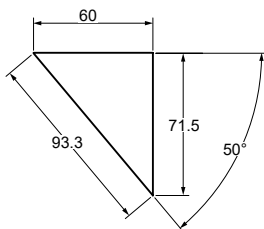
Aerial cam for pierce and flange



ASVX 0400 50



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
93.3	450.0 (45.9)	---	31587.3 (3222.9)	216.6	ASVX	0400	50



Order: Model (W) (α)

ASVX 0400 50

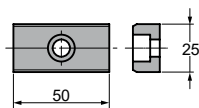
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 50-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

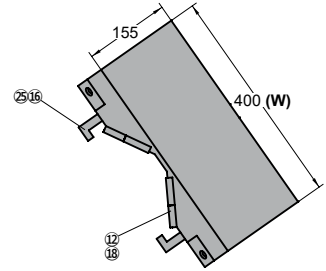
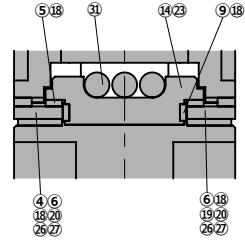
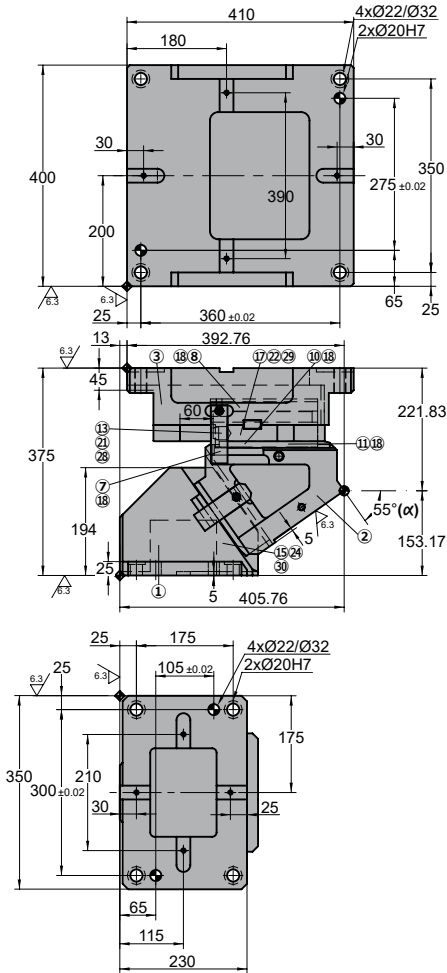
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

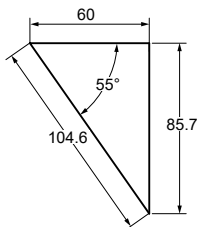
Aerial cam for pierce and flange



ASVX 0400 55



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
104.6	450.0 (45.9)	---	31587.3 (3222.9)	224.0	ASVX	0400	55



Order: Model (W) (α)

ASVX 0400 55

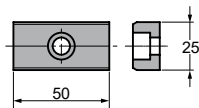
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 55-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

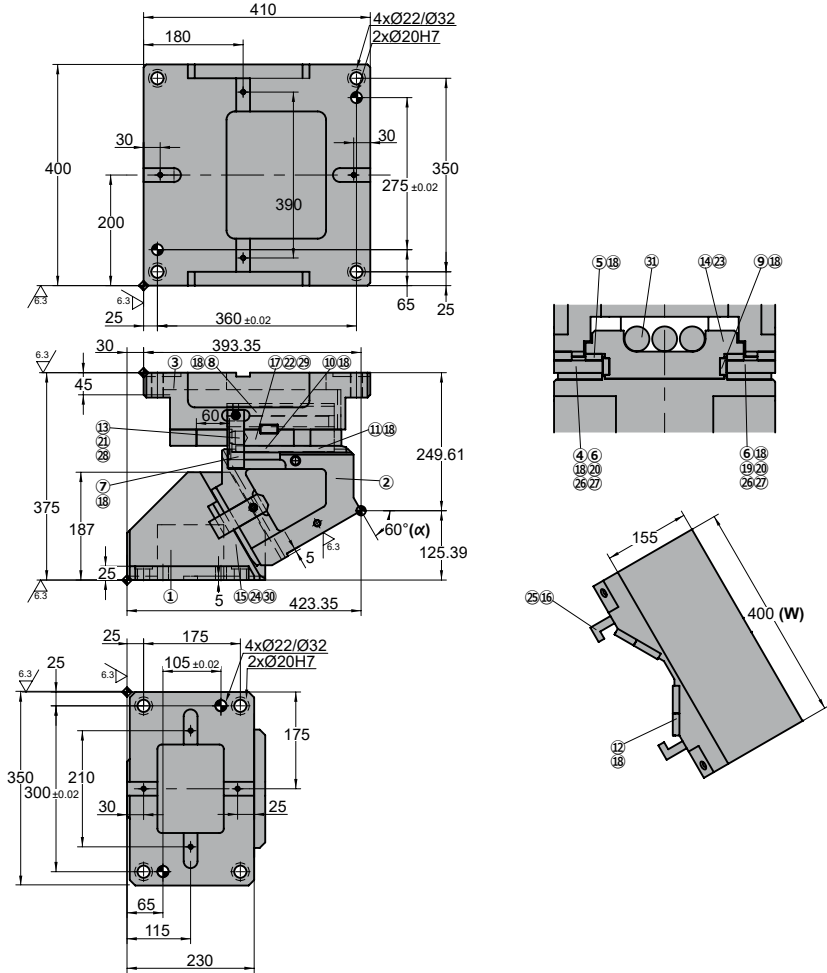
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

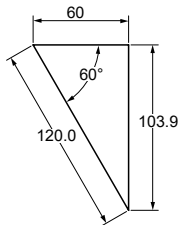
Aerial cam for pierce and flange



ASVX 0400 60



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
120.0	450.0 (45.9)	---	31587.3 (3222.9)	232.2	ASVX	0400	60



Order: Model (W) (α)

ASVX 0400 60

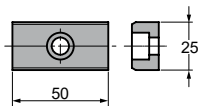
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 60-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

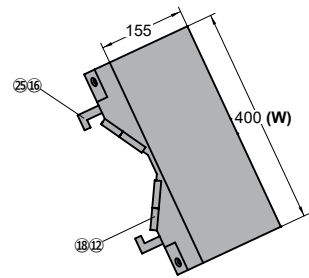
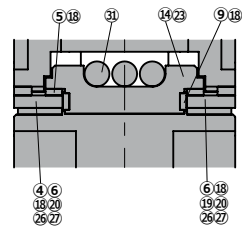
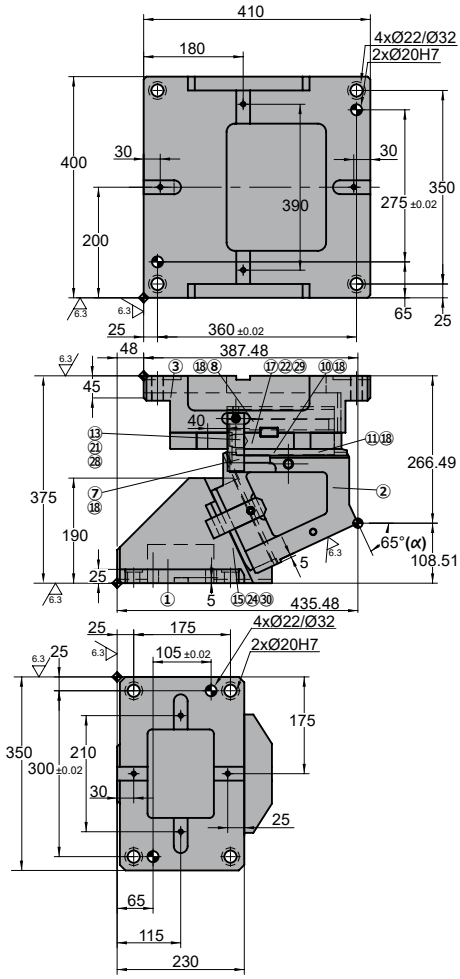
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

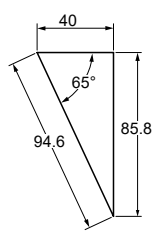
Aerial cam for pierce and flange



ASVX 0400 65



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
94.6	450.0 (45.9)	---	29606.1 (3021.0)	239.3	ASVX	0400	65



Order: Model (W) (α)

ASVX 0400 65

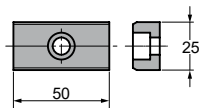
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 65-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

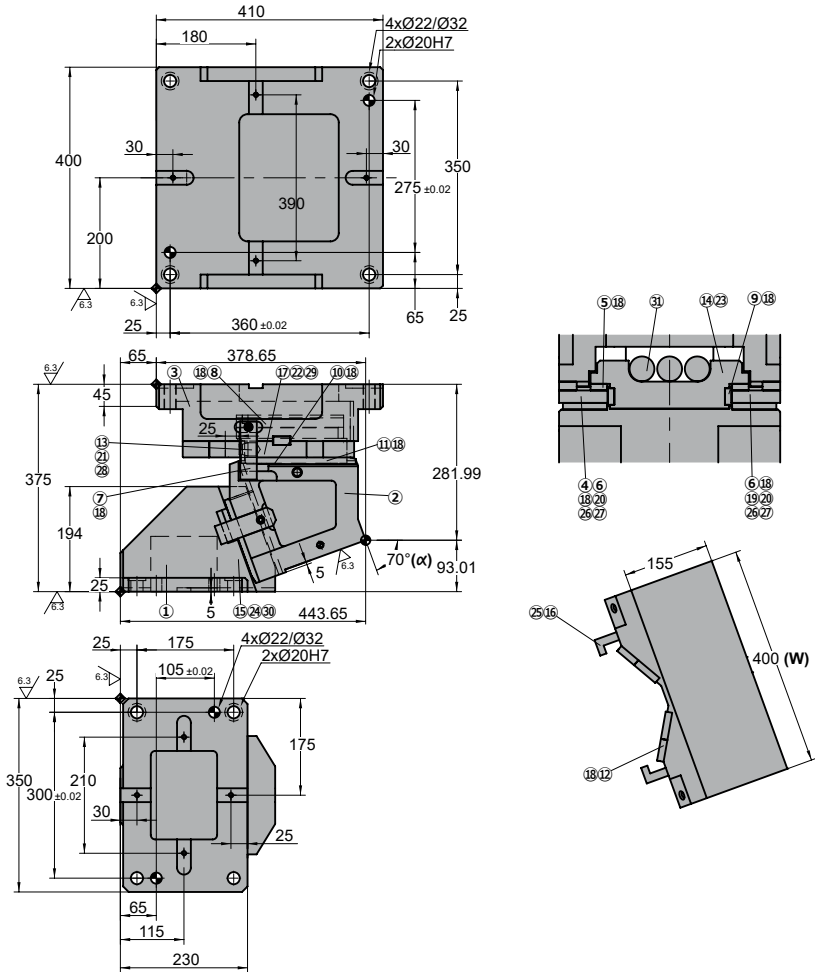
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

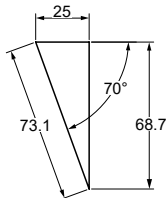
Aerial cam for pierce and flange



ASVX 0400 70



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
73.1	450.0 (45.9)	---	27599.7 (2816.1)	247.6	ASVX	0400	70



Order: Model (W) (α)

ASVX 0400 70

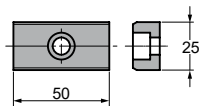
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 70-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

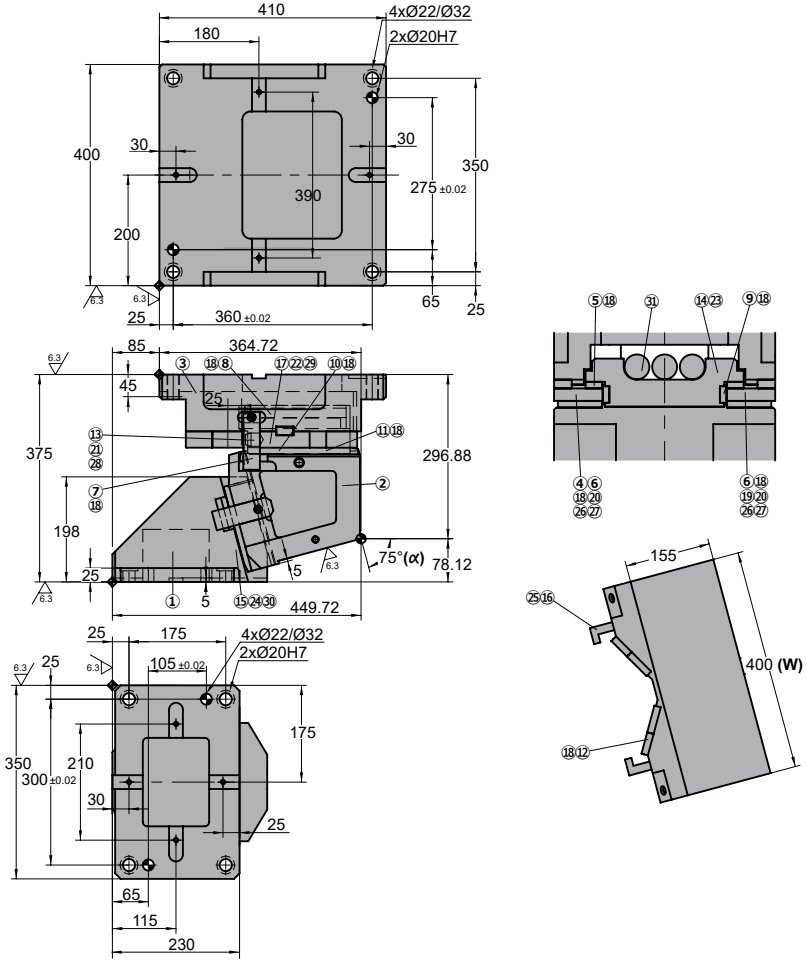
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 050

ASVX 0400

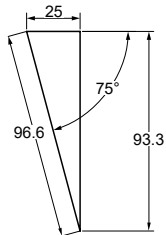
Aerial cam for pierce and flange



ASVX 0400 75



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	N - (kgf) Final F ₁				
96.6	450.0 (45.9)	---	27599.7 (2816.1)	252.9	ASVX	0400	75



Order: Model (W) (α)

ASVX 0400 75

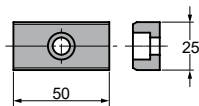
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option



ASVX 0400 75-K



SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

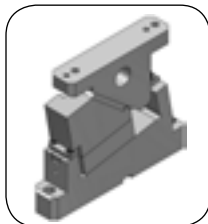
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 050

ASVX 0400

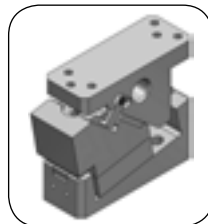


Aerial cam for pierce and flange

General information



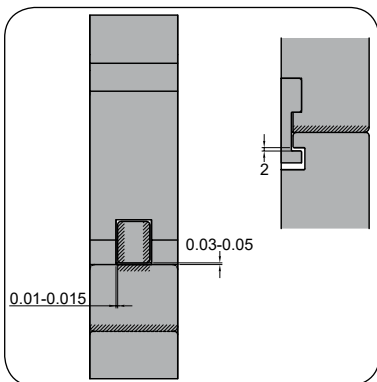
LSDH 0052



LSDH 0090

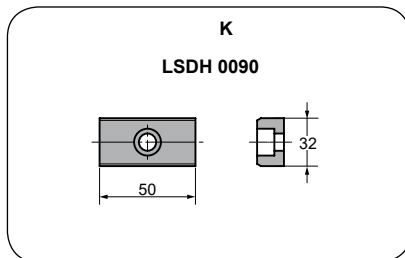
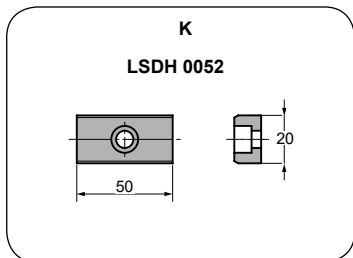
- Die mounted cam.
- Angles from 0° to 20° with increments of 5°. (0° to 15° for LSDH 90)
- Extensible mount length (only for LSDH 90).

Adjustment clearances



LSDH 0052
LSDH 0090

Keys



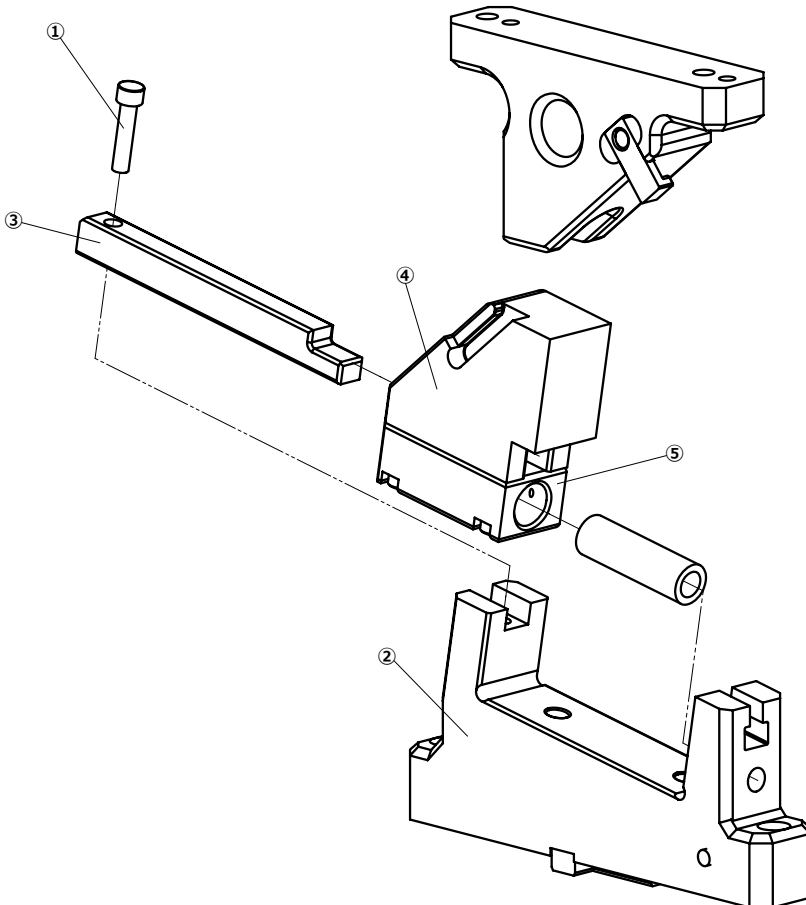
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ③ guide bar from cam holder ② pulling it 30mm back taking out the guide bar and the cam slider ③, ④, ⑤.
- Remove guide bar and cam slider.

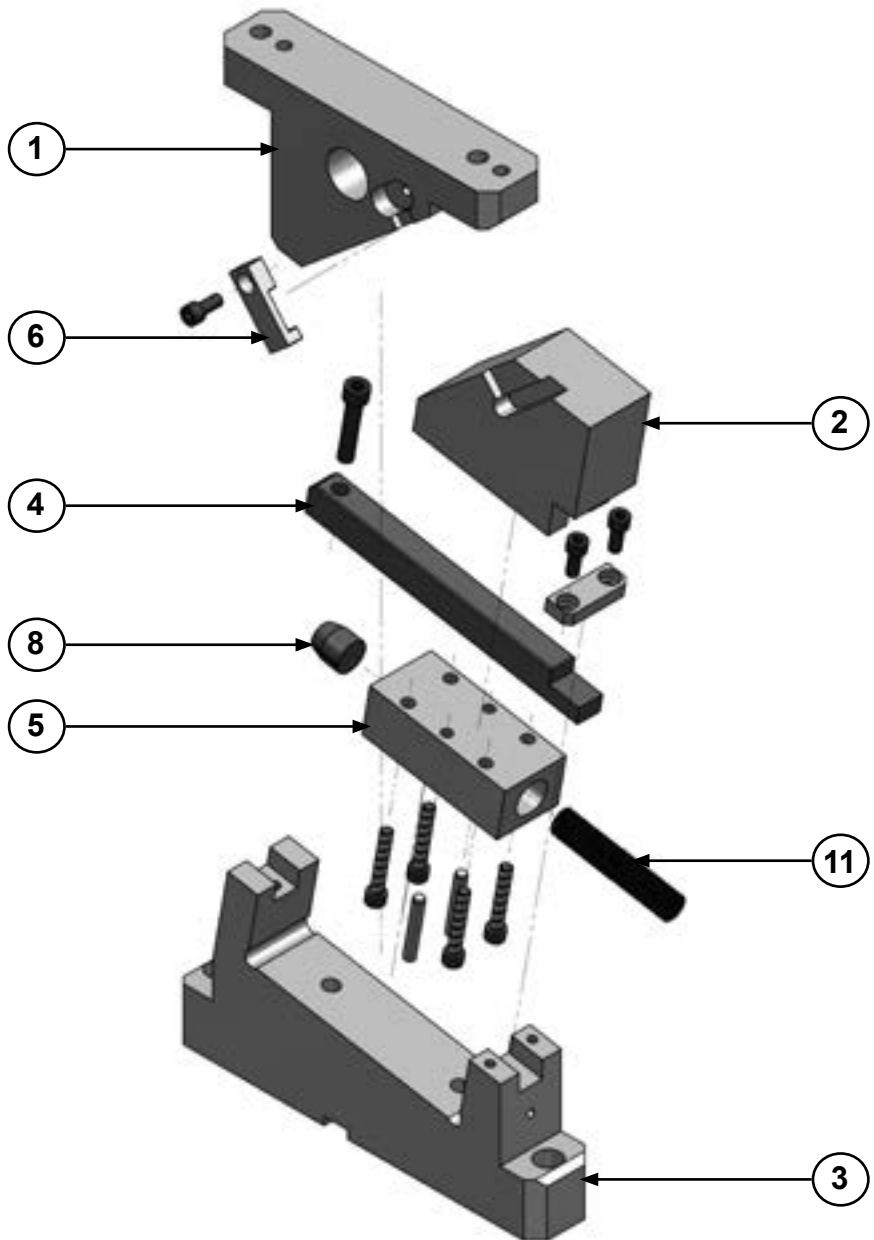
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



LSDH 0052

Die mounted cam for pierce

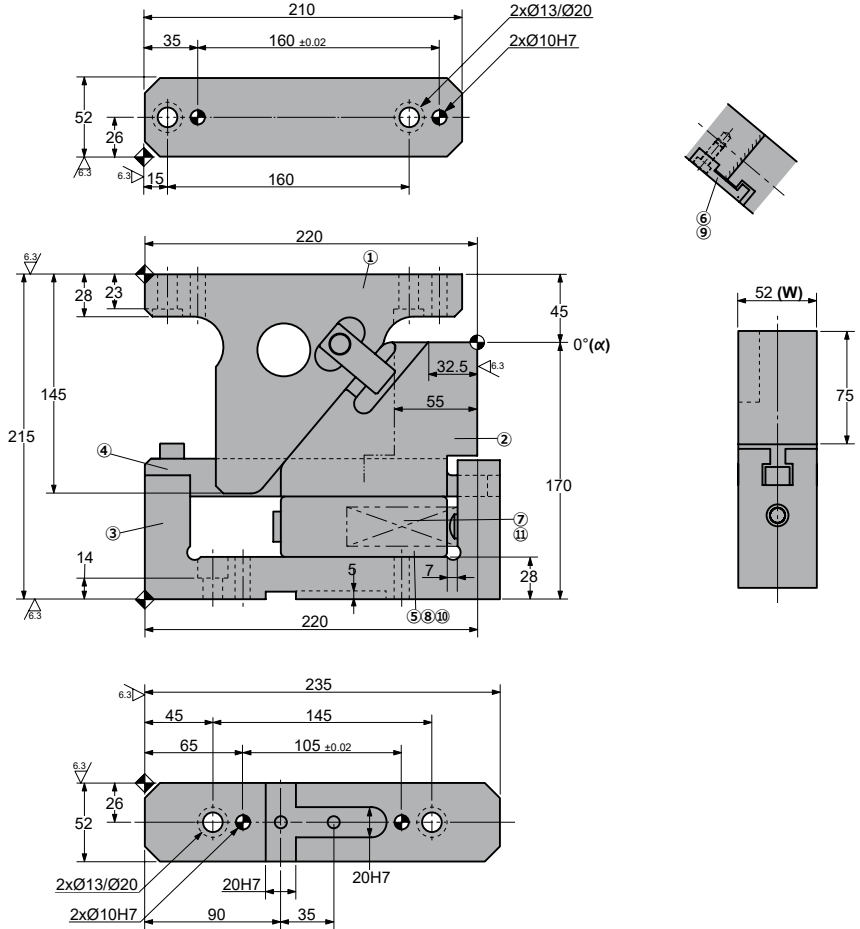


LSDH 0052

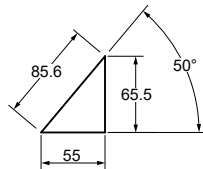
Die mounted cam for pierce



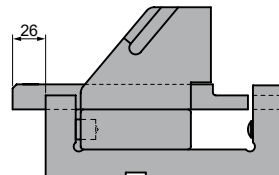
LSDH 0052 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	14.2	LSDH	0052	00



Order: **Model** **(W)** **(α)**

LSDH 0052 00

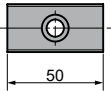
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

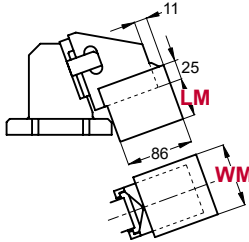


2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 53mm to 100mm.
(increments of 1 mm).
f.e. WM100



Order Options: **Model** **(W)** **(α)-Option**



LSDH 0052 00-K

LSDH 0052 00-LM55-WM100

LSDH 0052 00-K-LM55-WM100



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

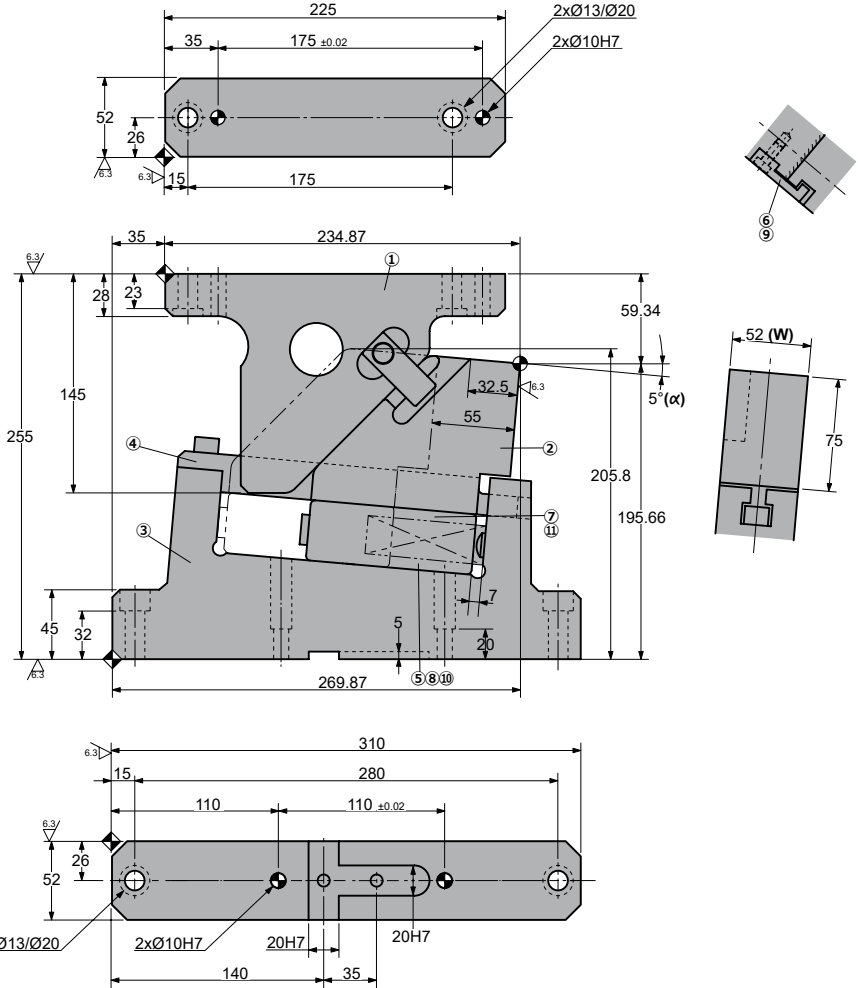
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
Ⓘ	Coil Spring	1	SWS26-150

LSDH 0052

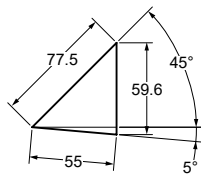
Die mounted cam for pierce



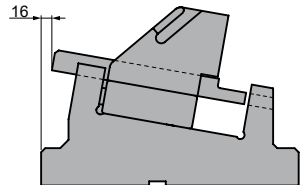
LSDH 0052 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	18.5	LSDH	0052	05



Order: **Model** **(W)** **(α)**

LSDH 0052 05

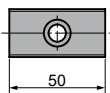
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

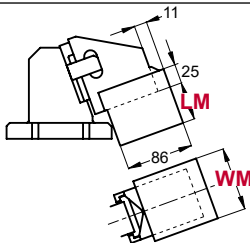


2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 53mm to 100mm.
(increments of 1 mm).
f.e. WM100



Order Options: **Model** **(W)** **(α)-Option**



LSDH 0052 05-K

LSDH 0052 05-LM55-WM100

LSDH 0052 05-K-LM55-WM100



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

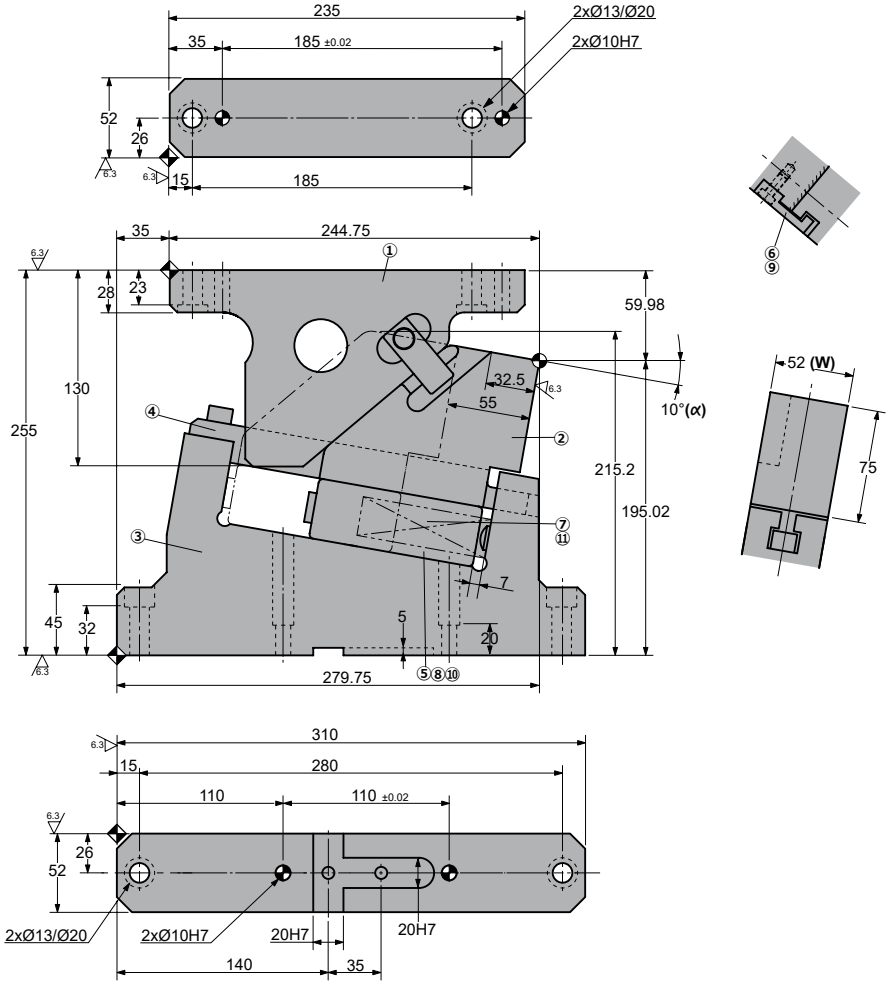
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
Ⓘ	Coil Spring	1	SWS26-150

LSDH 0052

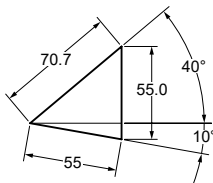
Die mounted cam for pierce



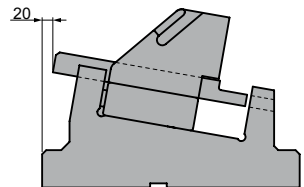
LSDH 0052 10



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	19.4	LSDH	0052	10



Order: **Model** (**W**) (**α**)

LSDH 0052 10

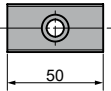
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

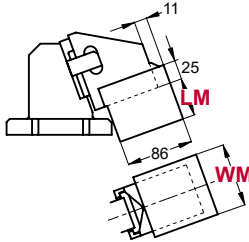


2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 53mm to 100mm.
(increments of 1 mm).
f.e. WM100



Order Options: **Model** (**W**) (**α**)-Option



LSDH 0052 10-K

LSDH 0052 10-LM55-WM100

LSDH 0052 10-K-LM55-WM100



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

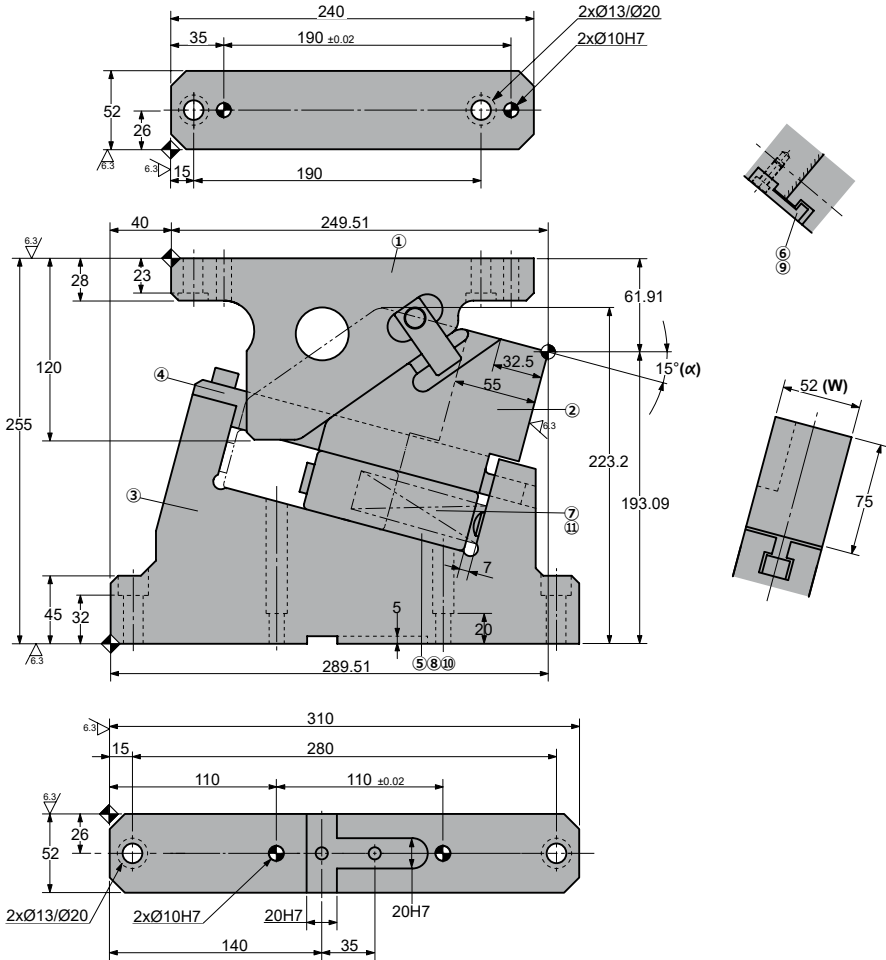
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
Ⓘ	Coil Spring	1	SWS26-150

LSDH 0052

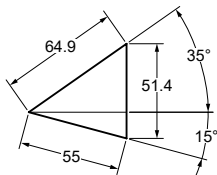
Die mounted cam for pierce



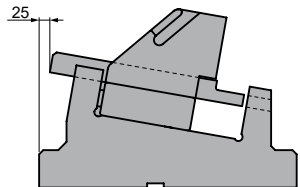
LSDH 0052 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	20.0	LSDH	0052	15



Order: **Model** (**W**) (α)

LSDH 0052 15

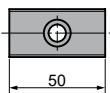
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

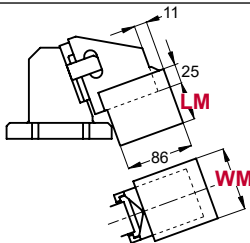


2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 53mm to 100mm.
(increments of 1 mm).
f.e. WM100



Order Options: **Model** (**W**) (α)-Option



LSDH 0052 15-K

LSDH 0052 15-LM55-WM100

LSDH 0052 15-K-LM55-WM100



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

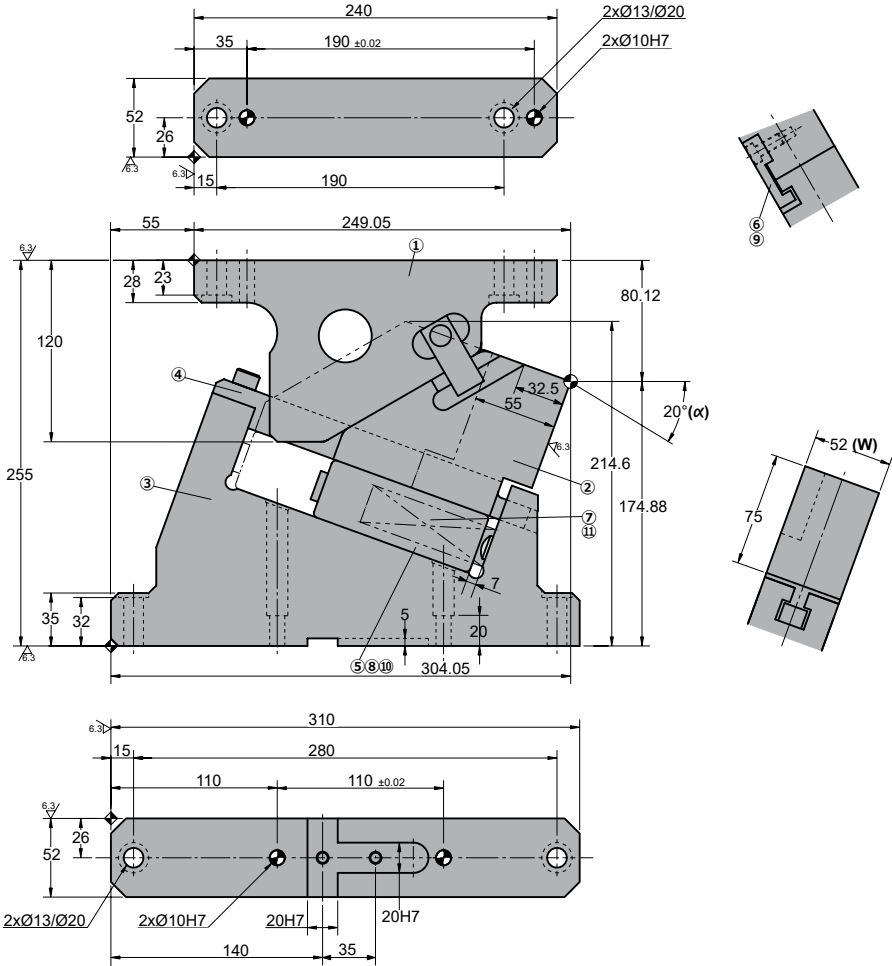
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
Ⓘ	Coil Spring	1	SWS26-150

LSDH 0052

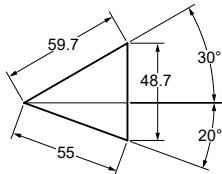
Die mounted cam for pierce



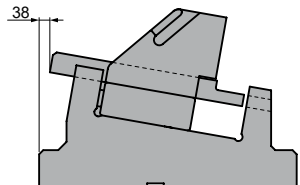
LSDH 0052 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	19.5	LSDH	0052	20



Order: **Model** **(W)** **(α)**

LSDH 0052 20

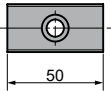
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K

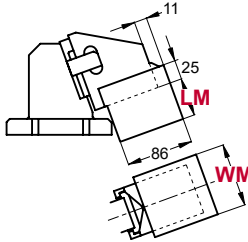


2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm).
f.e. LM50

WM Mount width changed from 53mm to 100mm.
(increments of 1 mm).
f.e. WM100



Order Options: **Model** **(W)** **(α)-Option**



LSDH 0052 20-K

LSDH 0052 20-LM55-WM100

LSDH 0052 20-K-LM55-WM100



SPARE PARTS:

Ⓜ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
Ⓜ	Coil Spring	1	SWS26-150

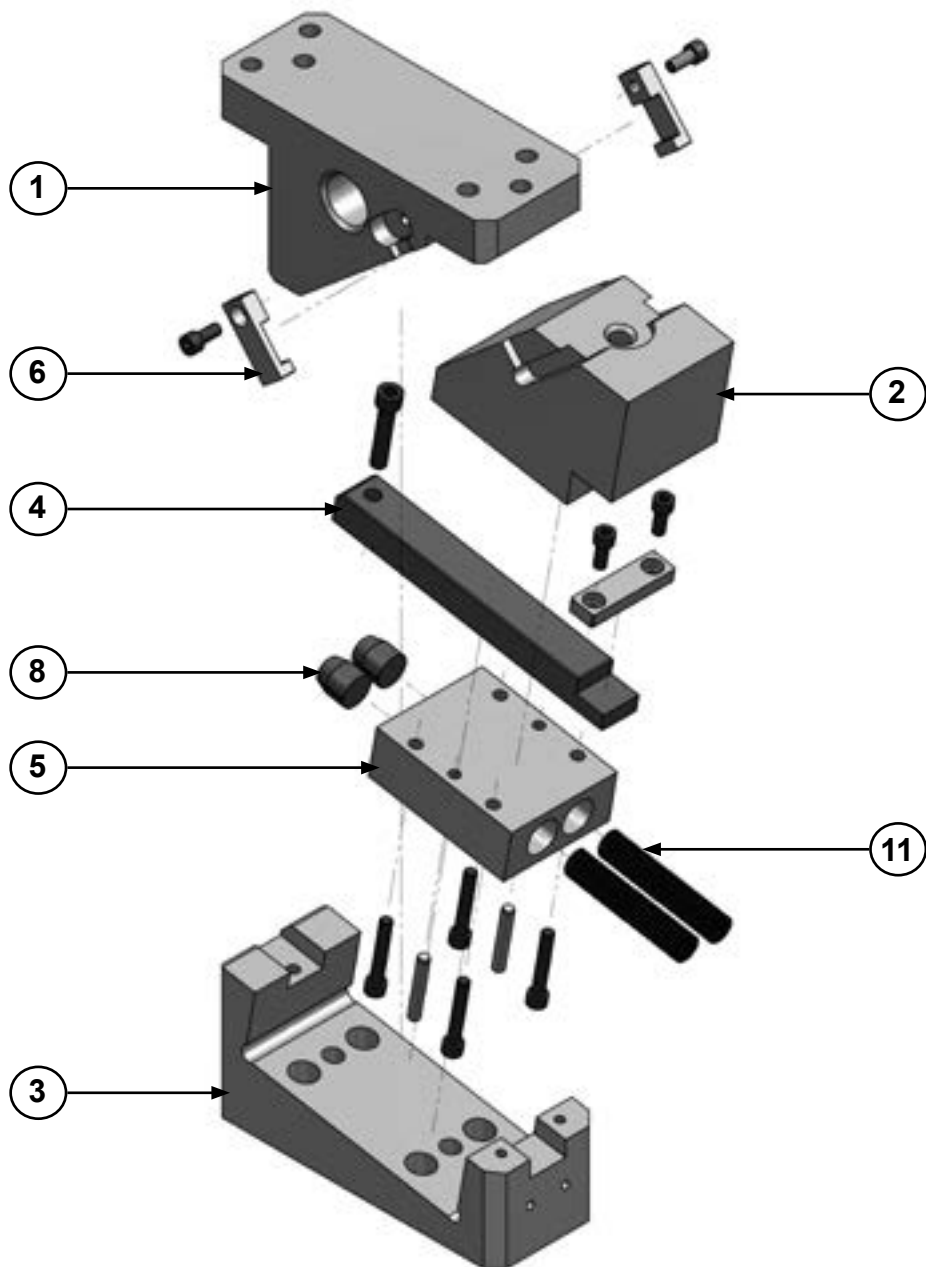
LSDH 0052



Die mounted cam for pierce

LSDH 0090

Die mounted cam for pierce

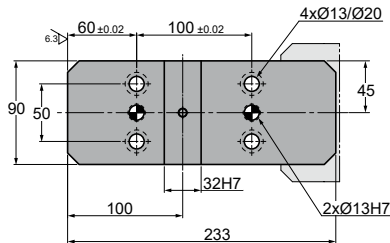
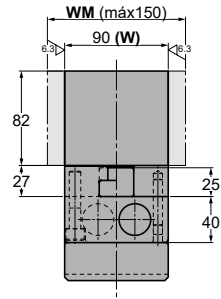
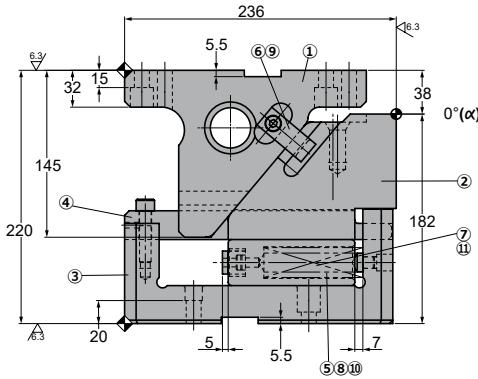
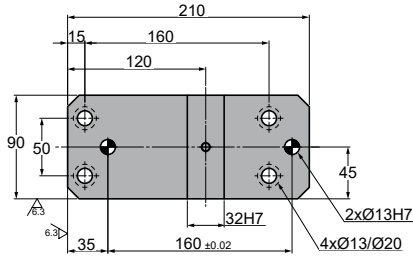


LSDH 0090

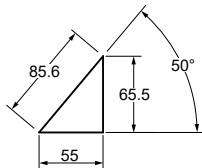
Die mounted cam for pierce



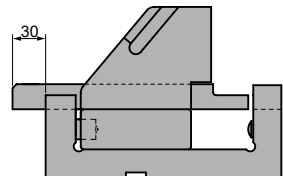
LSDH 0090 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	38.2 (3.9)	76.4 (7.8)	170.6 (17.5)	1213.4 (124.2)	24.9	LSDH	0090	00



Order: Model (W) (α)

LSDH 0090 00

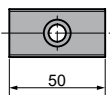
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



2 x M8x15

P PINS

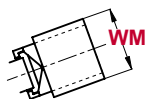


P12 Pasadores a Ø12 H7

WM

MOUNT

WM Mount width changed from 91mm to 150 (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



LSDH 0090 00-K

LSDH 0090 00-P12

LSDH 0090 00-WM120

LSDH 0090 00-WM120-K



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

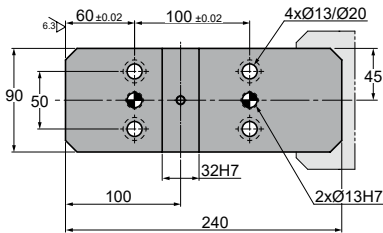
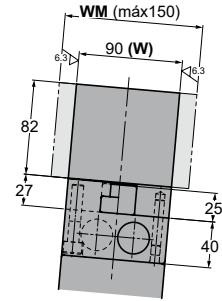
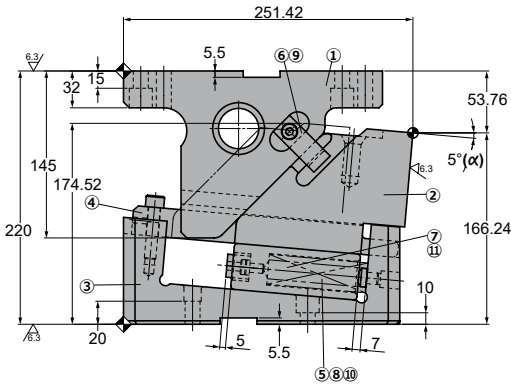
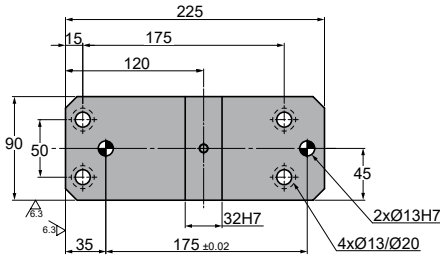
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	GGG50 + G
⑥	Positive Return	2	CK45
⑦	Spring Guide Pin	2	CK45
⑧	Stopper	2	Urethane
⑨	Screw	4	M10 x 50
⑩	Screw	2	LCS8 x 18
Ⓘ	Coil Spring	2	SWS26-150

LSDH 0090

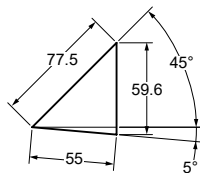
Die mounted cam for pierce



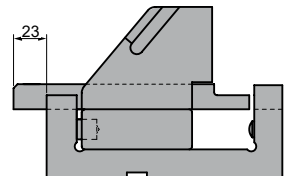
LSDH 0090 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	38.2 (3.9)	76.4 (7.8)	170.6 (17.5)	1213.4 (124.2)	25.9	LSDH	0090	05



Order: Model (W) (α)

LSDH 0090 05

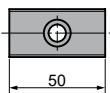
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



2 x M8x15

P PINS

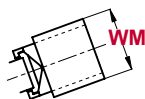


P12 Pasadores a Ø12 H7

WM

MOUNT

WM Mount width changed from 91mm to 150 (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



LSDH 0090 05-K

LSDH 0090 05-P12

LSDH 0090 05-WM120

LSDH 0090 05-WM120-K



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

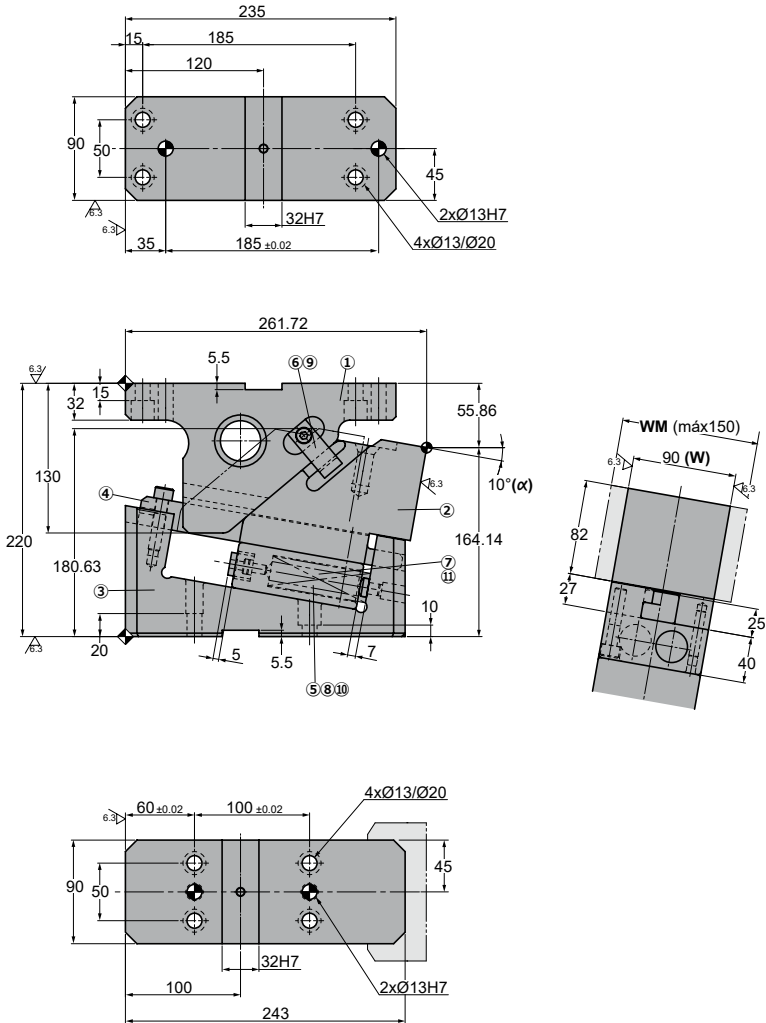
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	GGG50 + G
⑥	Positive Return	2	CK45
⑦	Spring Guide Pin	2	CK45
⑧	Stopper	2	Urethane
⑨	Screw	4	M10 x 50
⑩	Screw	2	LCS8 x 18
Ⓘ	Coil Spring	2	SWS26-150

LSDH 0090

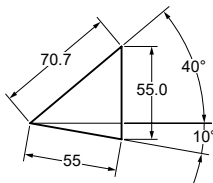
Die mounted cam for pierce



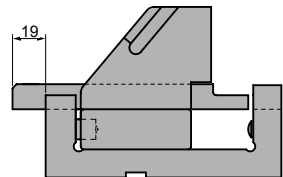
LSDH 0090 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	38.2 (3.9)	76.4 (7.8)	170.6 (17.5)	1213.4 (124.2)	27.3	LSDH	0090	10



Order: Model (W) (α)

LSDH 0090 10

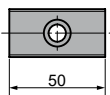
Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY

K



2 x M8x15

P PINS

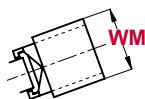


P12 Pasadores a Ø12 H7

WM

MOUNT

WM Mount width changed from 91mm to 150 (increments of 1 mm).
f.e. WM120



Order Options: Model (W) (α)-Option



LSDH 0090 10-K

LSDH 0090 10-P12

LSDH 0090 10-WM120

LSDH 0090 10-WM120-K



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

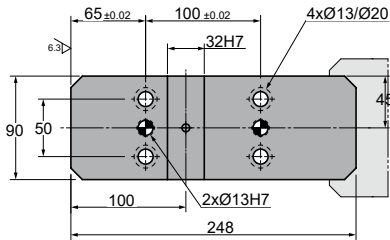
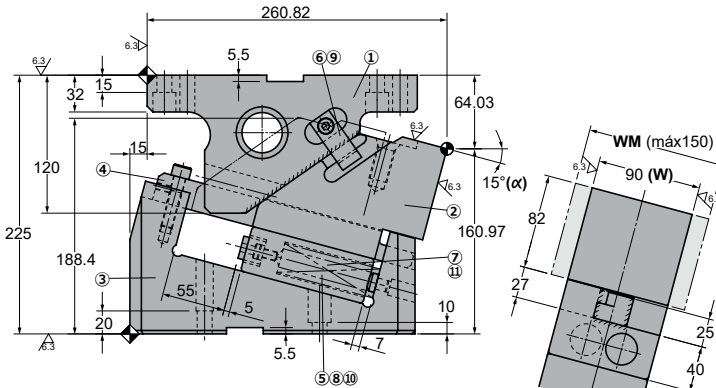
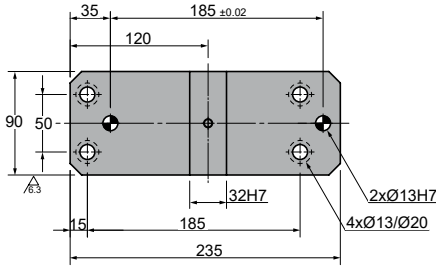
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	GGG50 + G
⑥	Positive Return	2	CK45
⑦	Spring Guide Pin	2	CK45
⑧	Stopper	2	Urethane
⑨	Screw	4	M10 x 50
⑩	Screw	2	LCS8 x 18
Ⓘ	Coil Spring	2	SWS26-150

LSDH 0090

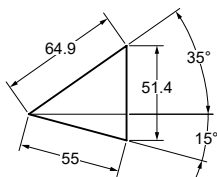
Die mounted cam for pierce



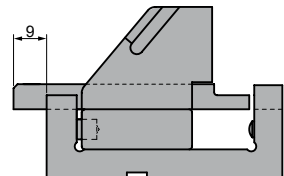
LSDH 0090 15



Cam diagram:



Desassembling space:

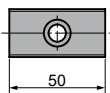


Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
55	38.2 (3.9)	76.4 (7.8)	170.6 (17.5)	1213.4 (124.2)	29.3	LSDH	0090	15


Order: Model (W) (α)
LSDH 0090 15

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

K
KEY
K


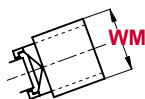
2 x M8x15

P PINS

P12 Pasadores a Ø12 H7

WM
MOUNT

WM Mount width changed from 91mm to 150 (increments of 1 mm).
 f.e. WM120


Order Options: Model (W) (α)-Option

LSDH 0090 15-K
LSDH 0090 15-P12
LSDH 0090 15-WM120
LSDH 0090 15-WM120-K

SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	GGG50 + G
⑥	Positive Return	2	CK45
⑦	Spring Guide Pin	2	CK45
⑧	Stopper	2	Urethane
⑨	Screw	4	M10 x 50
⑩	Screw	2	LCS8 x 18
Ⓘ	Coil Spring	2	SWS26-150

LSDH 0090



Die mounted cam for pierce

General information



LKCM 0052
LKCM 0065
LKCM 0100
LKCM 0150

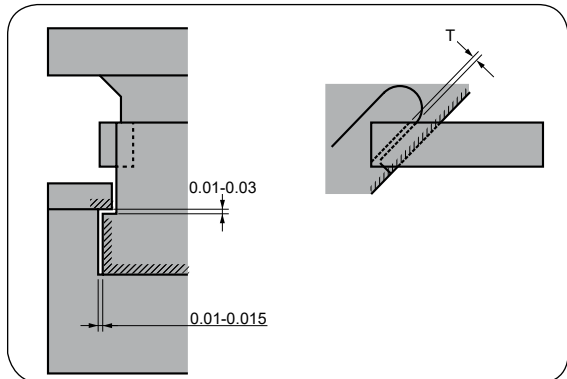


LKCM 0200
LKCM 0250
LKCM 0300
LKCM 0400
LKCM 0500
LKCM 0600

- Die mounted cam.
- Angles from 0° to 20° with increments of 5°.
- 0° Horizontal cam.

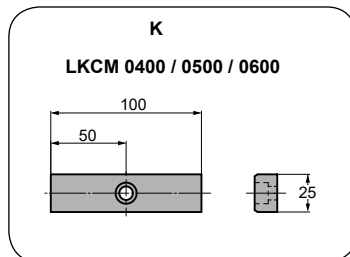
Adjustment clearances

LKCM 0052	LKCM 0250
LKCM 0065	LKCM 0300
LKCM 0100	LKCM 0400
LKCM 0150	LKCM 0500
LKCM 0200	LKCM 0600



- T: 1,5 mm clearance for 52mm and 65mm width and 2 mm for 100mm width or more.

Keys



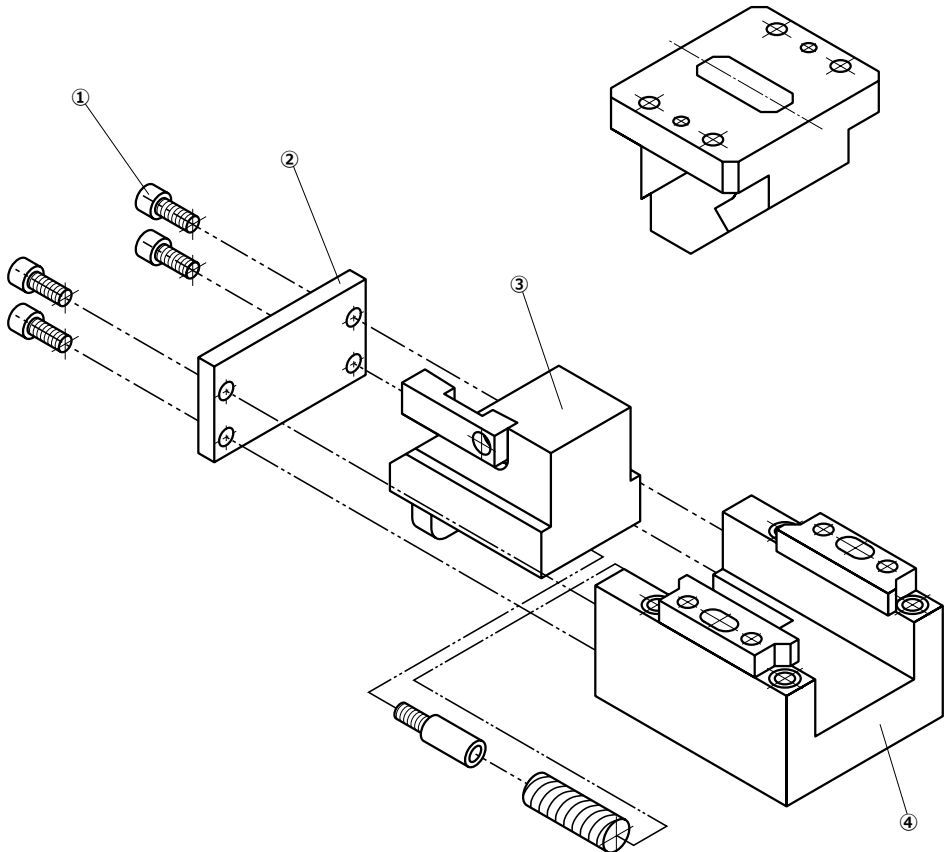
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

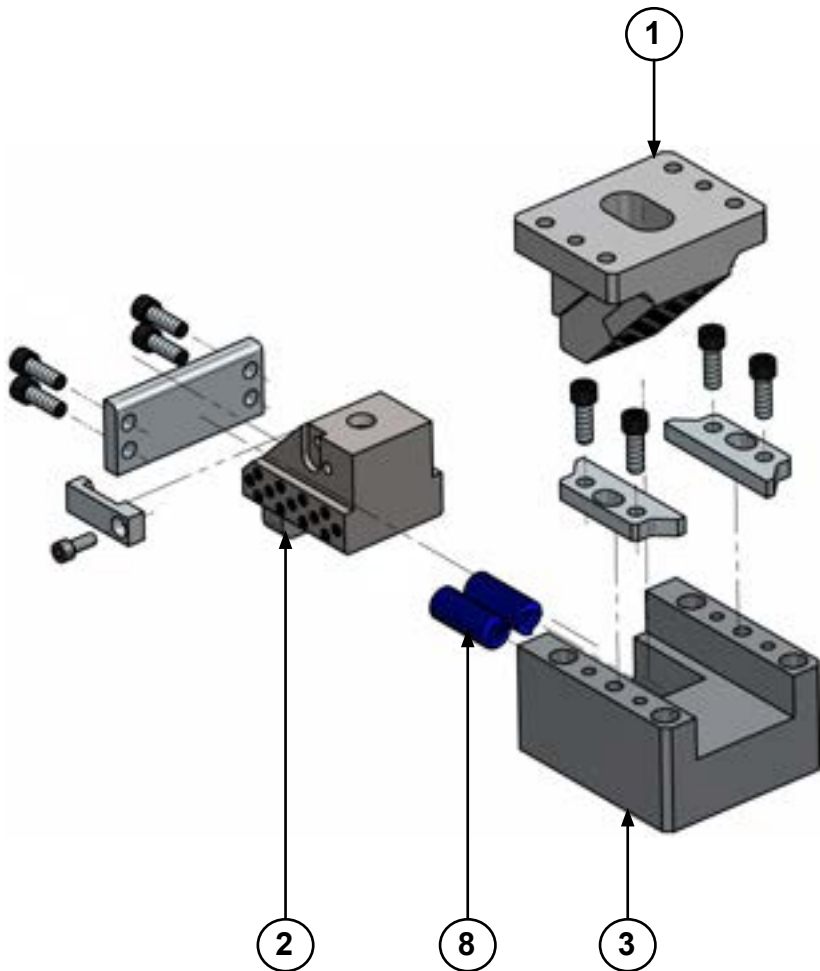
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



LKCM 0052

Die mounted cam for pierce and flange

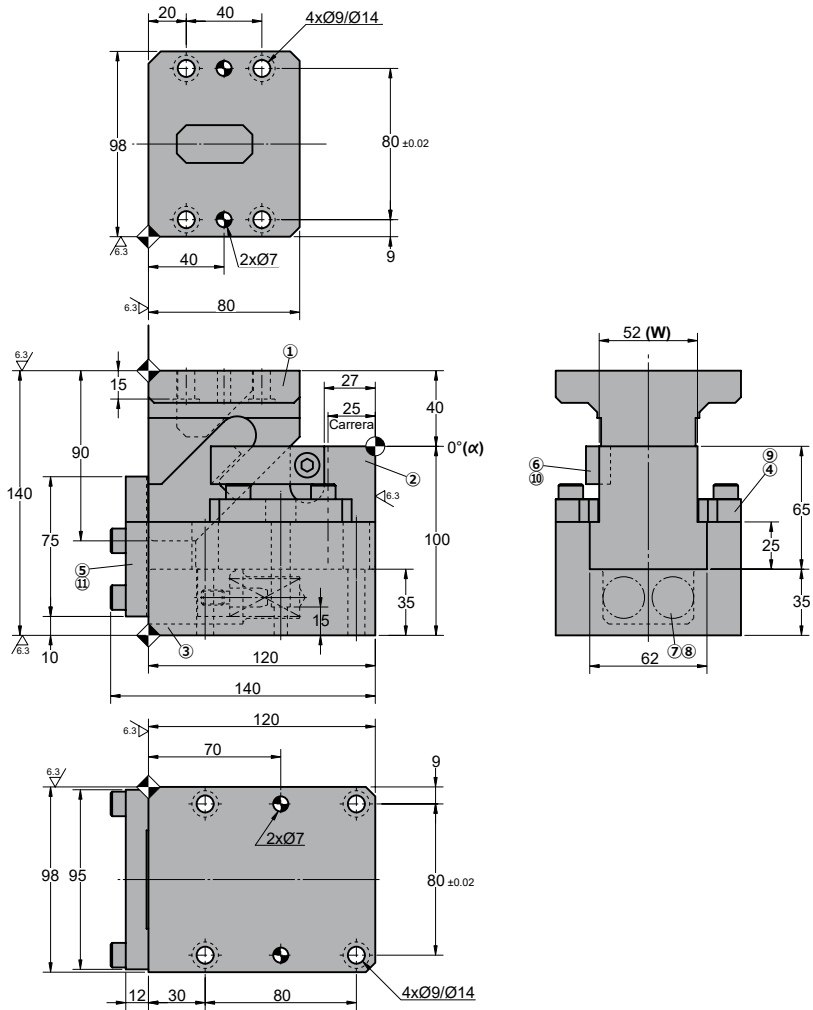


LKCM 0052

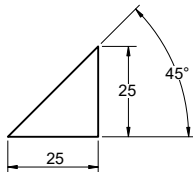
Die mounted cam for pierce and flange



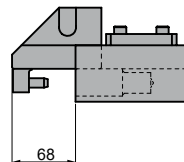
LKCM 0052 25



◦Cam diagram:



◦Desassembling space:





LKCM 0052

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
14.7 (1.5)	29.4 (3.0)	144.0 (14.7)	595.3 (60.7)	8.0	LKCM	0052	25



Order: Model (W) (Stroke)

LKCM 0052 25

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P8 - Ø8 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0052 25-P8



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

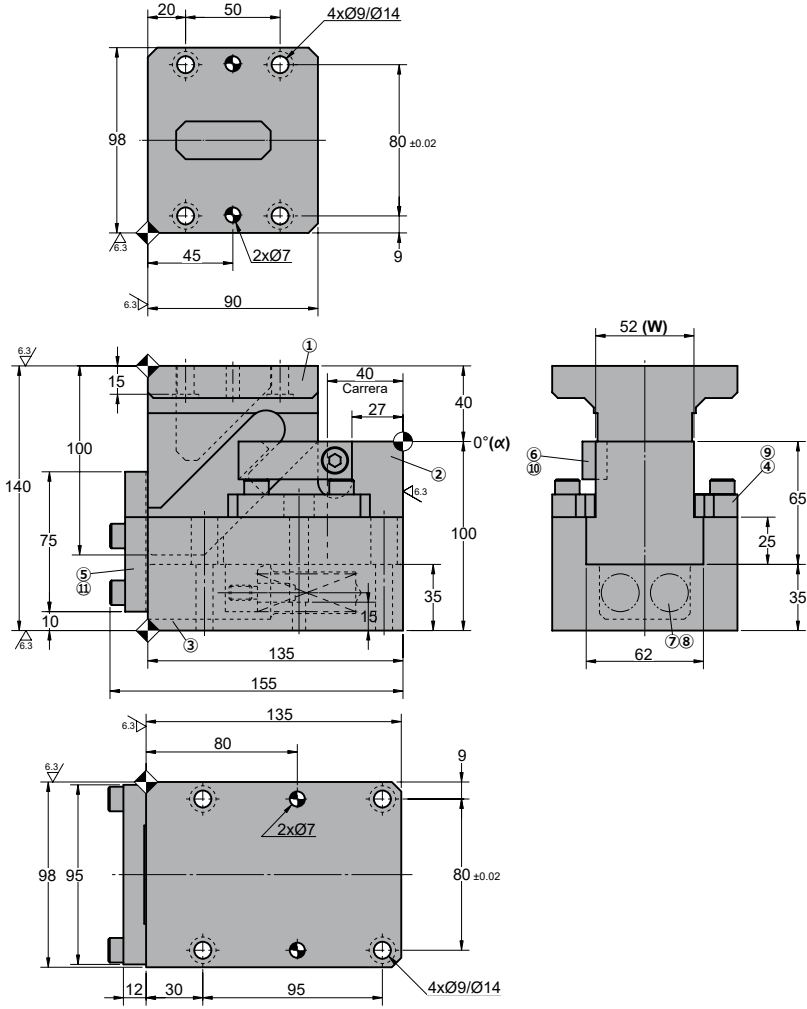
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF20-70
⑨	Screw	4	M8 x 25
⑩	Screw	1	M8 x 20
⑪	Screw	4	M8 x 30

LKCM 0052

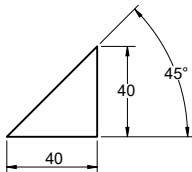
Die mounted cam for pierce and flange



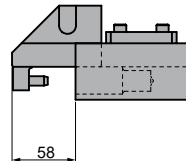
LKCM 0052 40



◦Cam diagram:



◦Desassembling space:





LKCM 0052

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
14.7 (1.5)	29.4 (3.0)	100.8 (10.2)	605.8 (61.4)	8.0	LKCM	0052	40



Order: Model (W) (Stroke)

LKCM 0052 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P8 - Ø8 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0052 40-P8



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

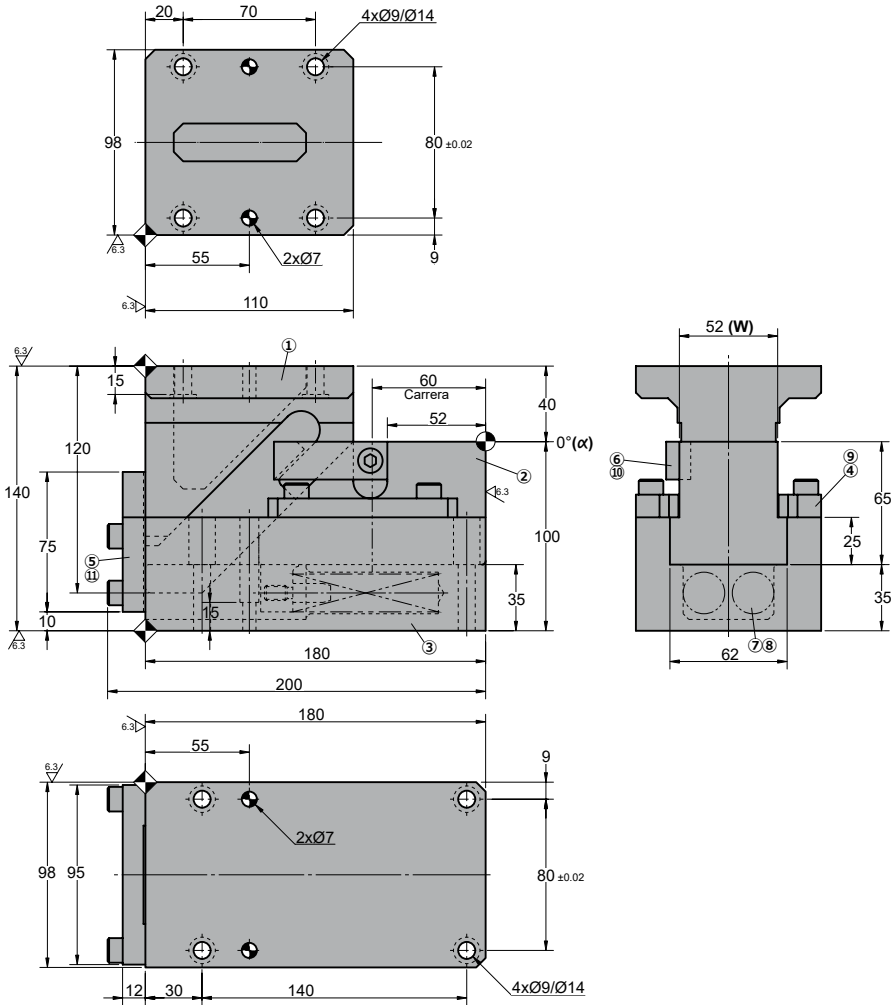
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF20-100
⑨	Screw	4	M8 x 25
⑩	Screw	1	M8 x 20
⑪	Screw	4	M8 x 30

LKCM 0052

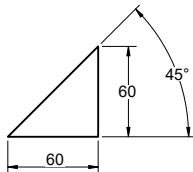
Die mounted cam for pierce and flange



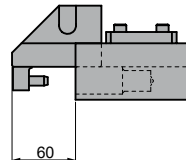
LKCM 0052 60



◦Cam diagram:



◦Desassembling space:





LKCM 0052

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
14.7 (1.5)	29.4 (3.00)	109.2 (11.2)	614.7 (62.8)	14.0	LKCM	0052	60



Order: Model (W) (Stroke)

LKCM 0052 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P8 - Ø8 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0052 60-P8



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF20-150
⑨	Screw	4	M8 x 25
⑩	Screw	1	M8 x 20
⑪	Screw	4	M8 x 30

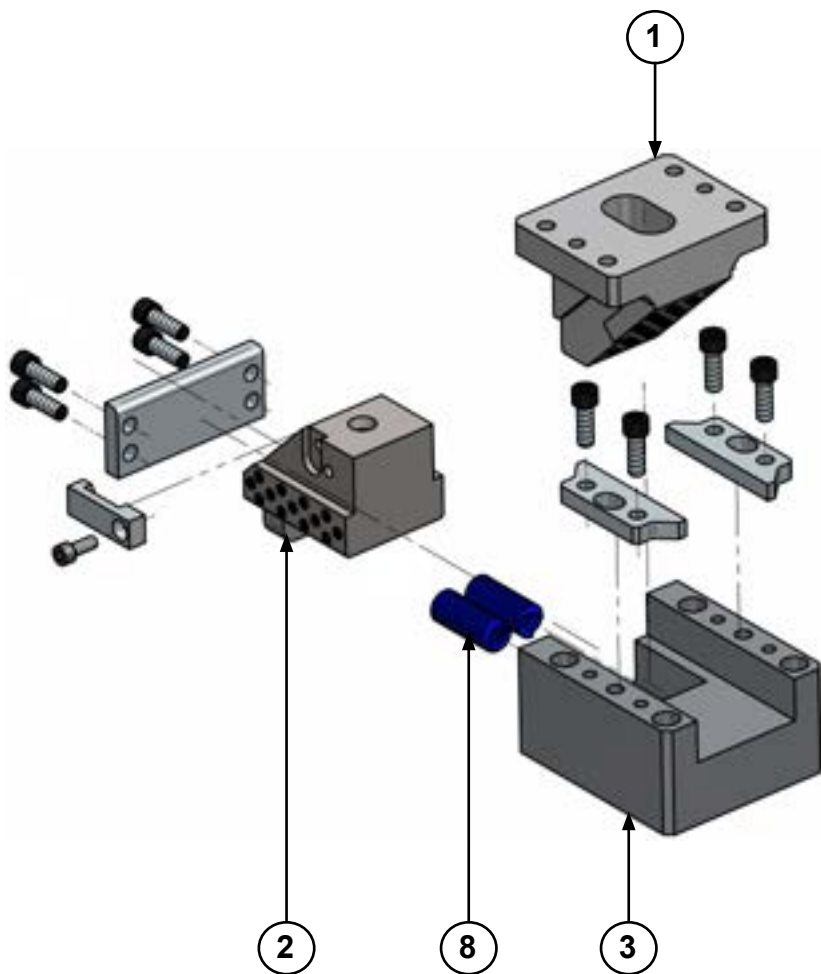
LKCM 0052



Die mounted cam for pierce and flange

LKCM 0065

Die mounted cam for pierce and flange

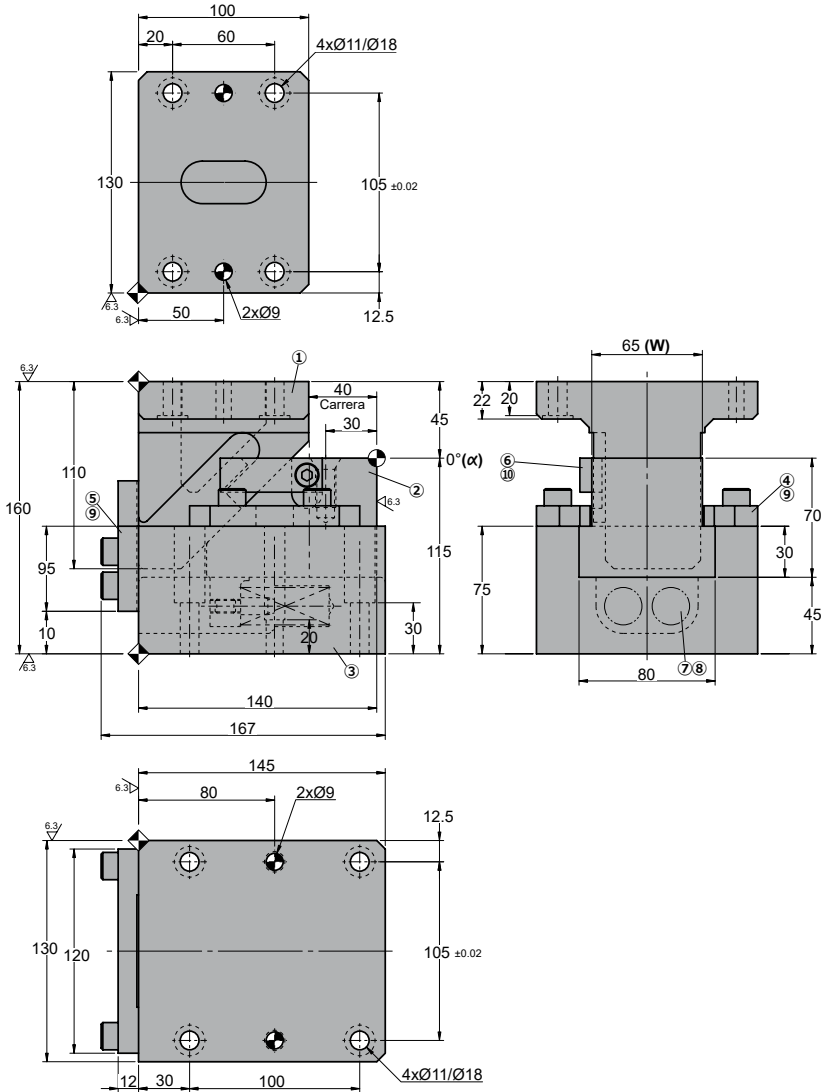


LKCM 0065

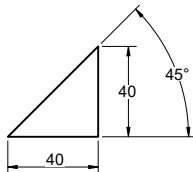
Die mounted cam for pierce and flange



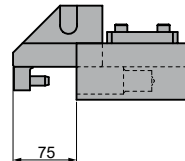
LKCM 0065 40



◦Cam diagram:



◦Desassembling space:



Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
19.6 (2.0)	39.2 (4.0)	124.8 (12.8)	752.6 (76.8)	20.0	LKCM	0065	40


Order: Model (W) (Stroke)
LKCM 0065 40

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS

P10 - Ø10 H7
Order Options: Model (W) (Stroke) -Option

LKCM 0065 40-P10

SPARE PARTS:

⑧ Coil Spring

COMPONENTS

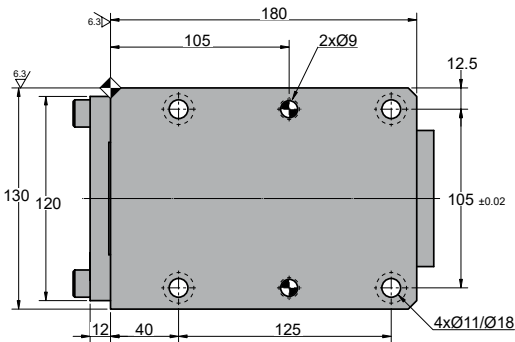
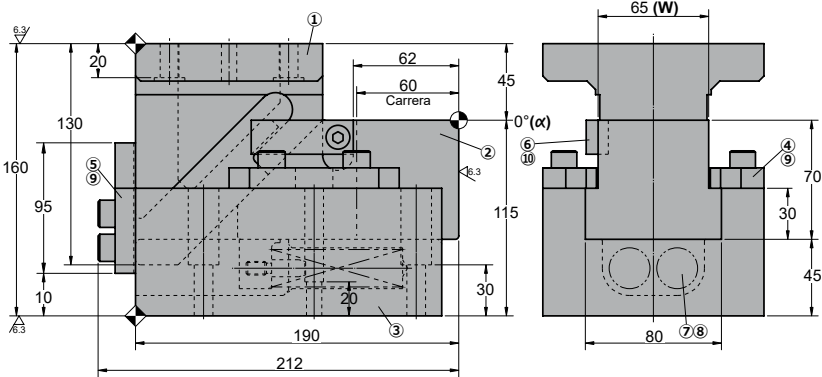
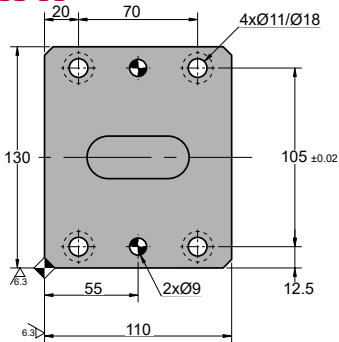
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-100
⑨	Screw	8	M10 x 30
⑩	Screw	1	M8 x 20

LKCM 0065

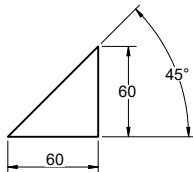
Die mounted cam for pierce and flange



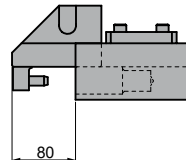
LKCM 0065 60



Cam diagram:



Desassembling space:



Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
19.6 (2.0)	39.2 (4.0)	135.2 (13.8)	763.6 (77.4)	21.0	LKCM	0065	60



Order: Model (W) (Stroke)

LKCM 0065 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0065 60-P10



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

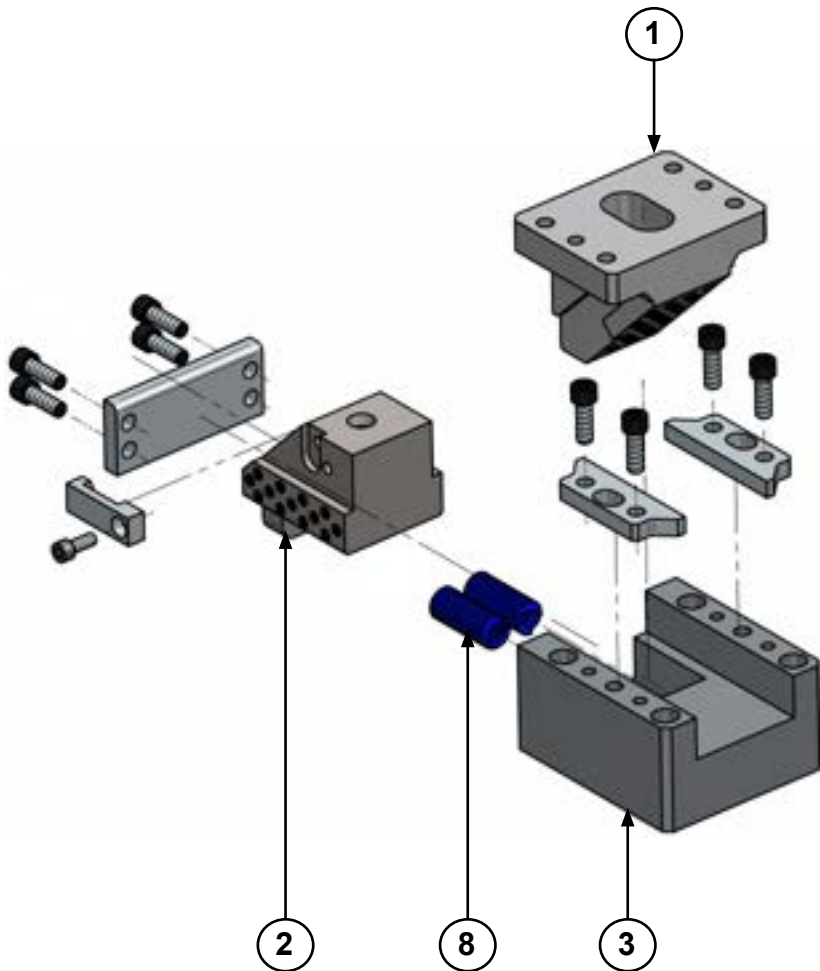
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-150
⑨	Screw	8	M10 x 30
⑩	Screw	1	M8 x 20

LKCM 0065

Die mounted cam for pierce and flange

LKCM 0100

Die mounted cam for pierce and flange

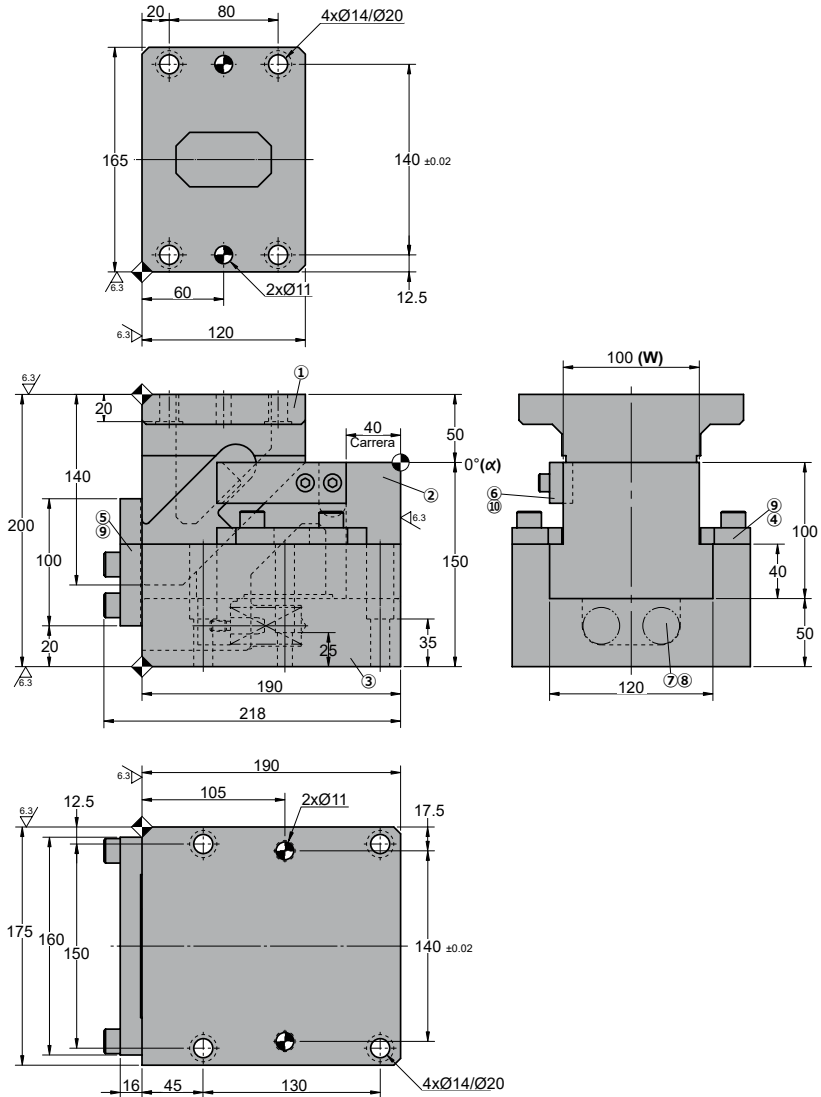


LKCM 0100

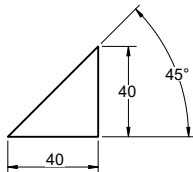
Die mounted cam for pierce and flange



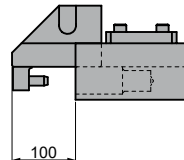
LKCM 0100 40



◦Cam diagram:



◦Desassembling space:

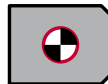


Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
29.4 (3.0)	58.8 (6.0)	188.8 (19.2)	1130.9 (115.2)	37.0	LKCM	0100	40


Order: Model (W) (Stroke)
LKCM 0100 40

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

P PINS

P13 - Ø13 H7
P12 - Ø12 H7
Order Options: Model (W) (Stroke) -Option

LKCM 0100 40-P13

SPARE PARTS:

⑧ Coil Spring

COMPONENTS

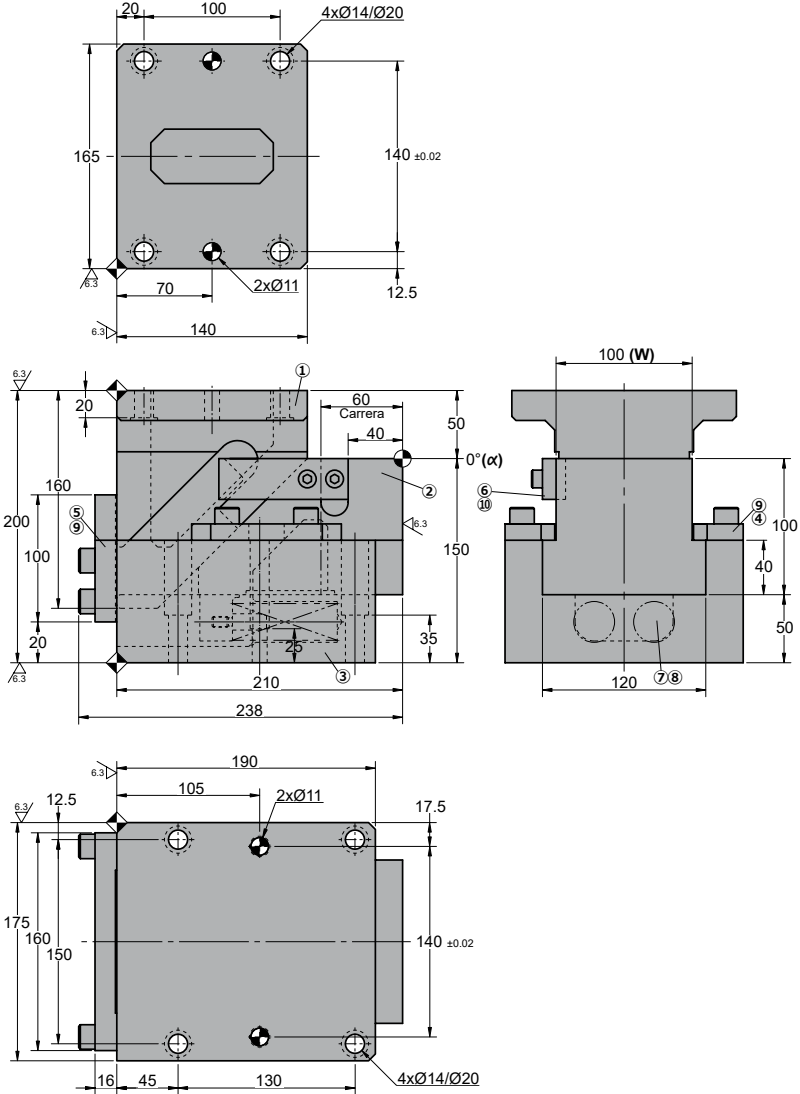
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-100
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 30

LKCM 0100

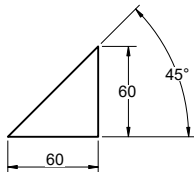
Die mounted cam for pierce and flange



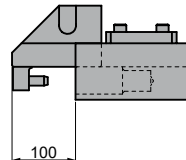
LKCM 0100 60



Cam diagram:



Desassembling space:



Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
29.4 (3.0)	59.8 (6.0)	202.8 (20.8)	1146.1 (116.8)	38.0	LKCM	0100	60



Order: Model (W) (Stroke)

LKCM 0100 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0100 60-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

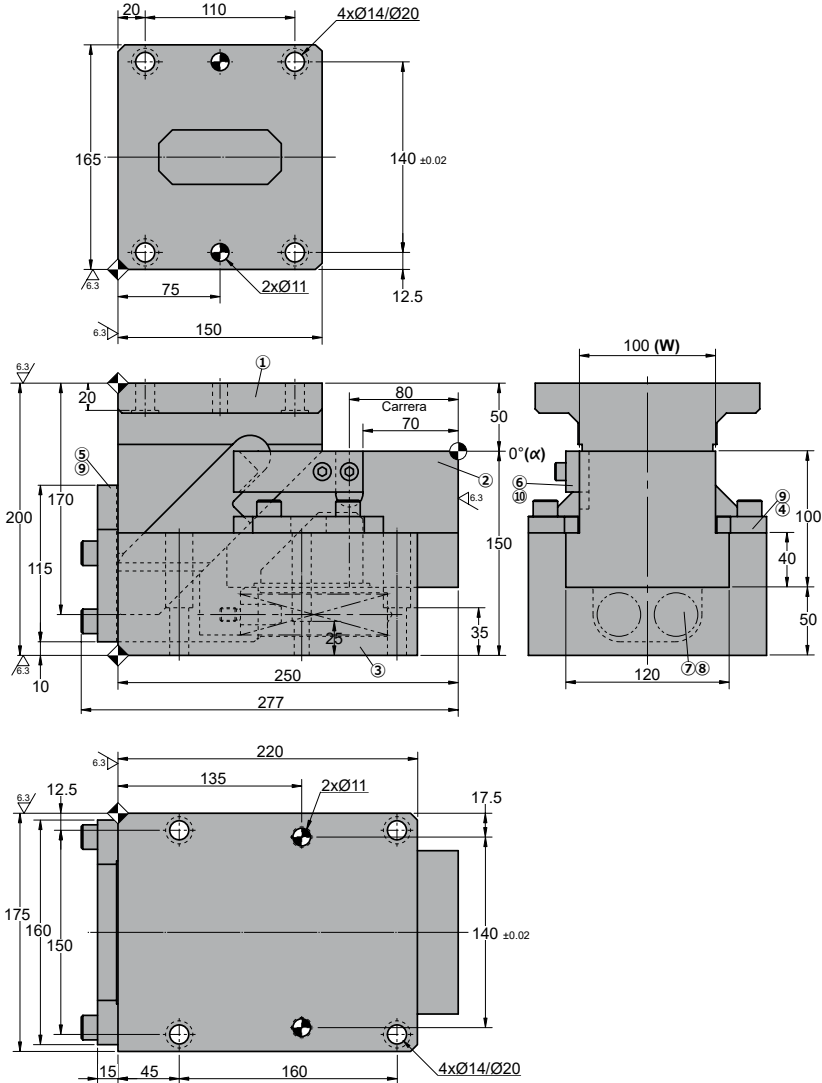
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-150
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 30

LKCM 0100

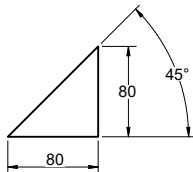
Die mounted cam for pierce and flange



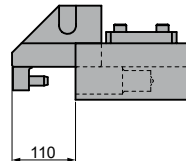
LKCM 0100 80



◦Cam diagram:



◦Desassembling space:



Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
29.4 (3.0)	58.8 (6.0)	170.4 (17.3)	1302.7 (132.5)	44.0	LKCM	0100	80



Order: Model (W) (Stroke)

LKCM 0100 80

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0100 80-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

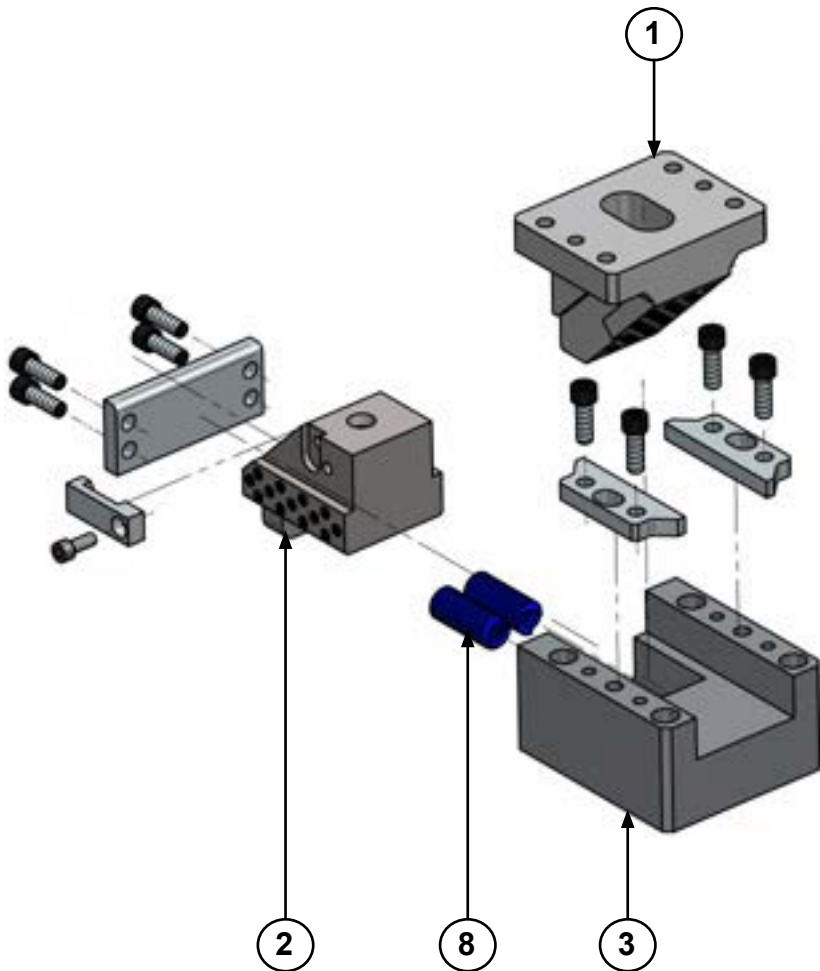
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF30-200
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 30

LKCM 0100

Die mounted cam for pierce and flange

LKCM 0150

Die mounted cam for pierce and flange

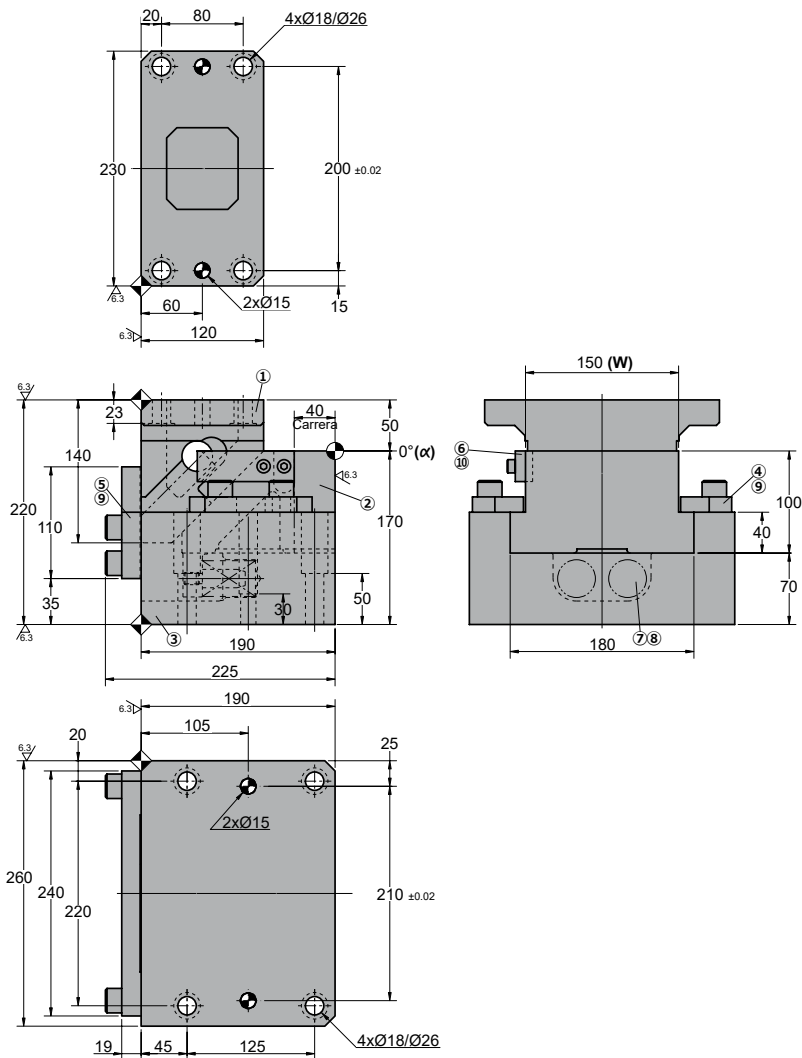


LKCM 0150

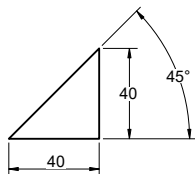
Die mounted cam for pierce and flange



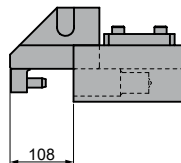
LKCM 0150 40



◦Cam diagram:



◦Desassembling space:





LKCM 0150

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
58.8 (6.0)	88.2 (9.0)	307.2 (31.4)	1841.3 (188.2)	63.0	LKCM	0150	40



Order: Model (W) (Stroke)

LKCM 0150 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0150 40-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

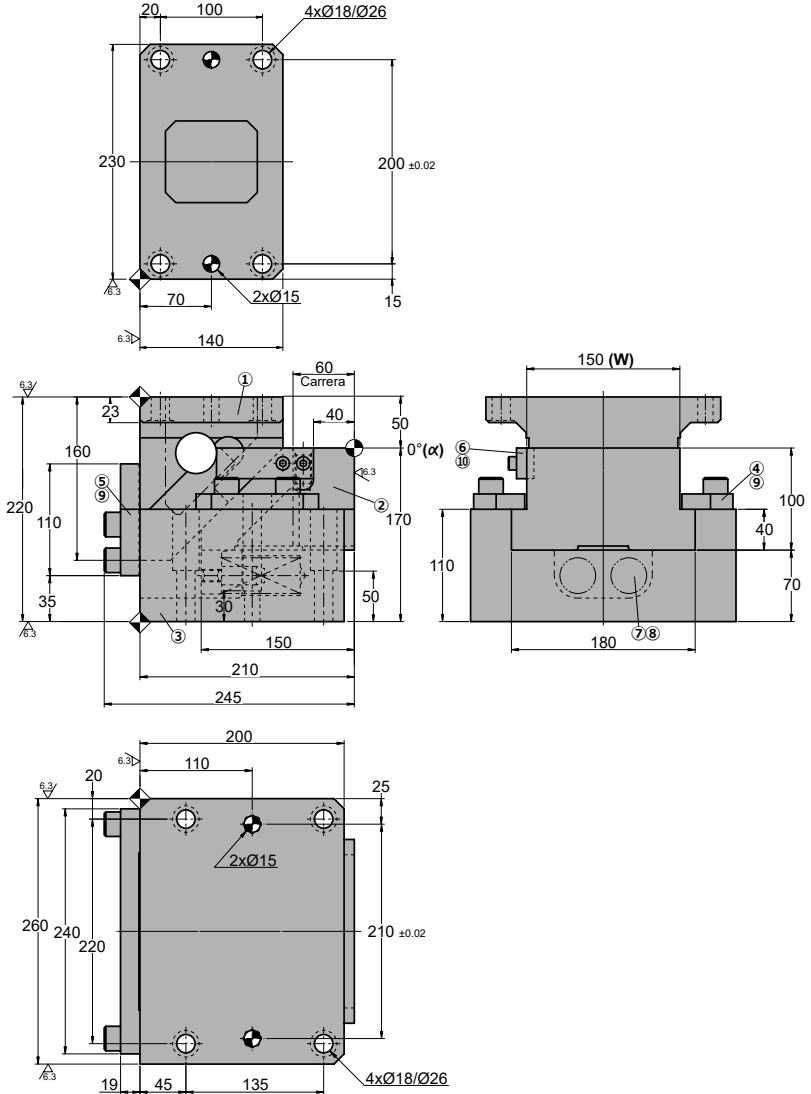
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-100
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 30

LKCM 0150

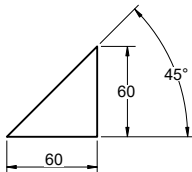
Die mounted cam for pierce and flange



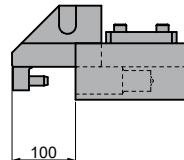
LKCM 0150 60



Cam diagram:



Desassembling space:





LKCM 0150

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
58.8 (6.0)	88.2 (9.0)	330.2 (33.8)	1867.3 (189.8)	69.0	LKCM	0150	60



Order: Model (W) (Stroke)

LKCM 0150 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0150 60-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-150
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 30

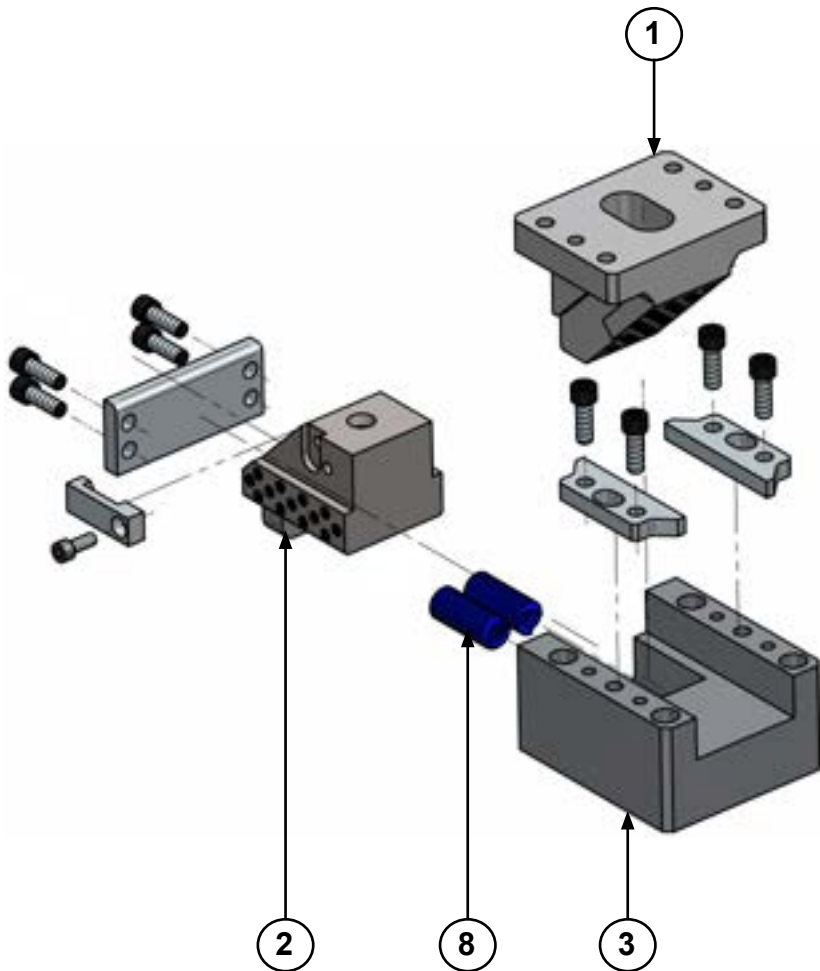
LKCM 0150



Die mounted cam for pierce and flange

LKCM 0200

Die mounted cam for pierce and flange

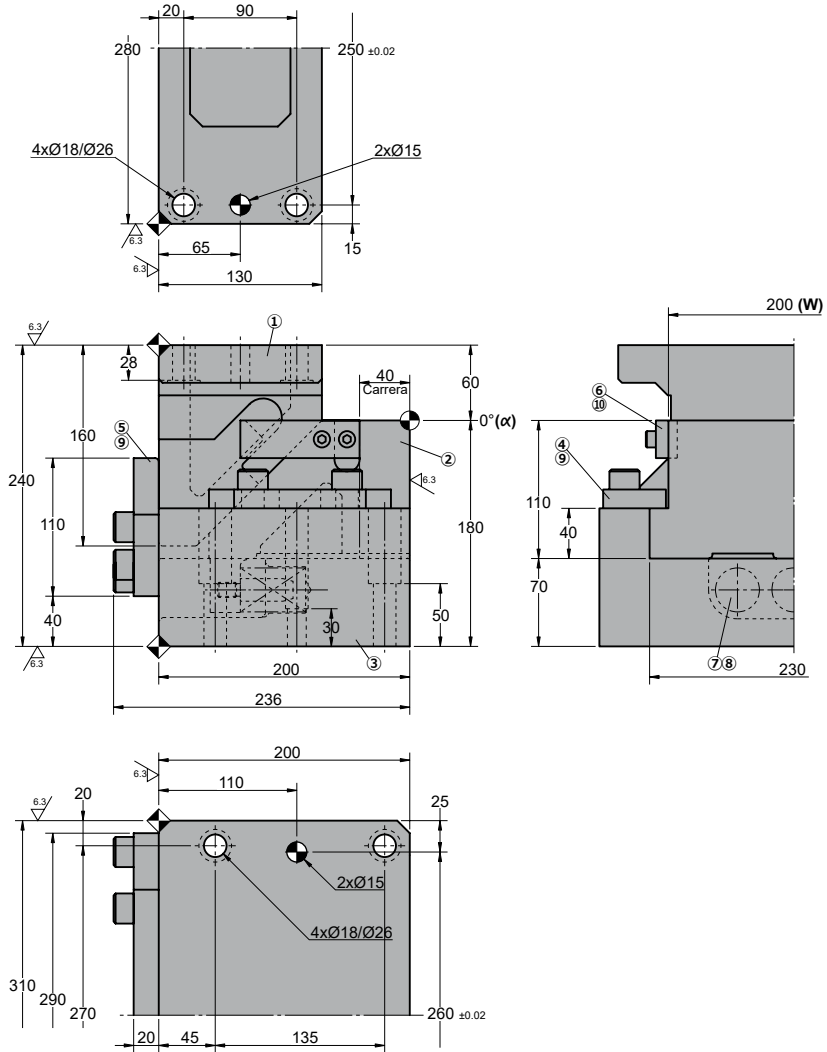


LKCM 0200

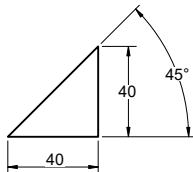
Die mounted cam for pierce and flange



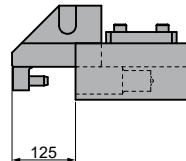
LKCM 0200 40



◦Cam diagram:



◦Desassembling space:





LKCM 0200

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
78.4 (8.0)	117.6 (12.0)	460.8 (47.0)	2761.9 (282.2)	82.0	LKCM	0200	40



Order: Model (W) (Stroke)
LKCM 0200 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0200 40-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

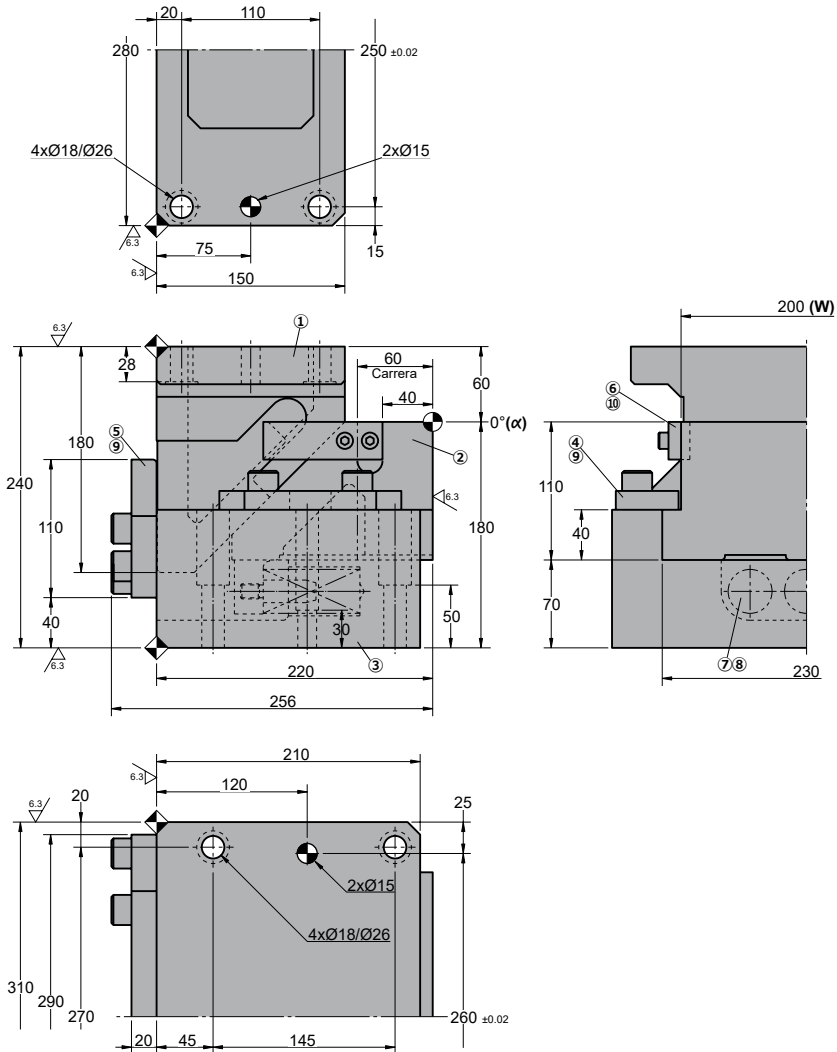
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF35-100
⑨	Screw	10	M16 x 45
⑩	Screw	4	M8 x 30

LKCM 0200

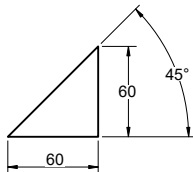
Die mounted cam for pierce and flange



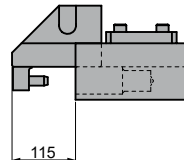
LKCM 0200 60



◦Cam diagram:



◦Desassembling space:





LKCM 0200

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
78.4 (8.0)	117.6 (12.0)	495.3 (50.7)	2801.0 (284.7)	84.0	LKCM	0200	60



Order: Model (W) (Stroke)

LKCM 0200 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0200 60-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

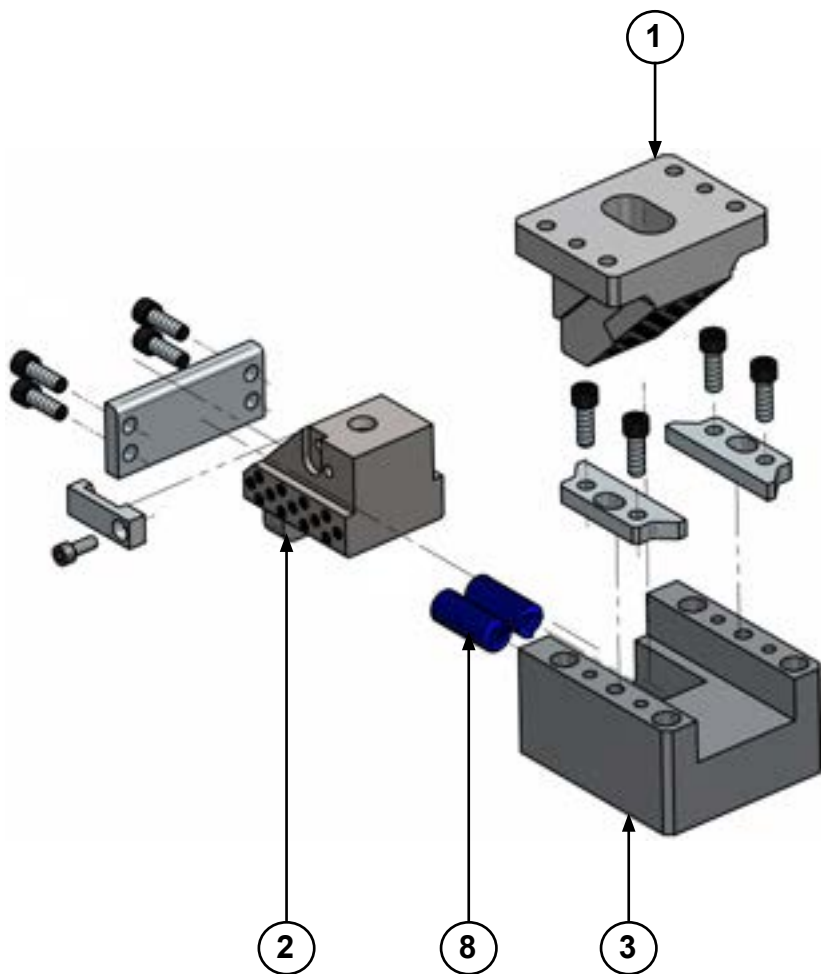
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF35-150
⑨	Screw	10	M16 x 45
⑩	Screw	4	M8 x 30

LKCM 0200

Die mounted cam for pierce and flange

LKCM 0250

Die mounted cam for pierce and flange

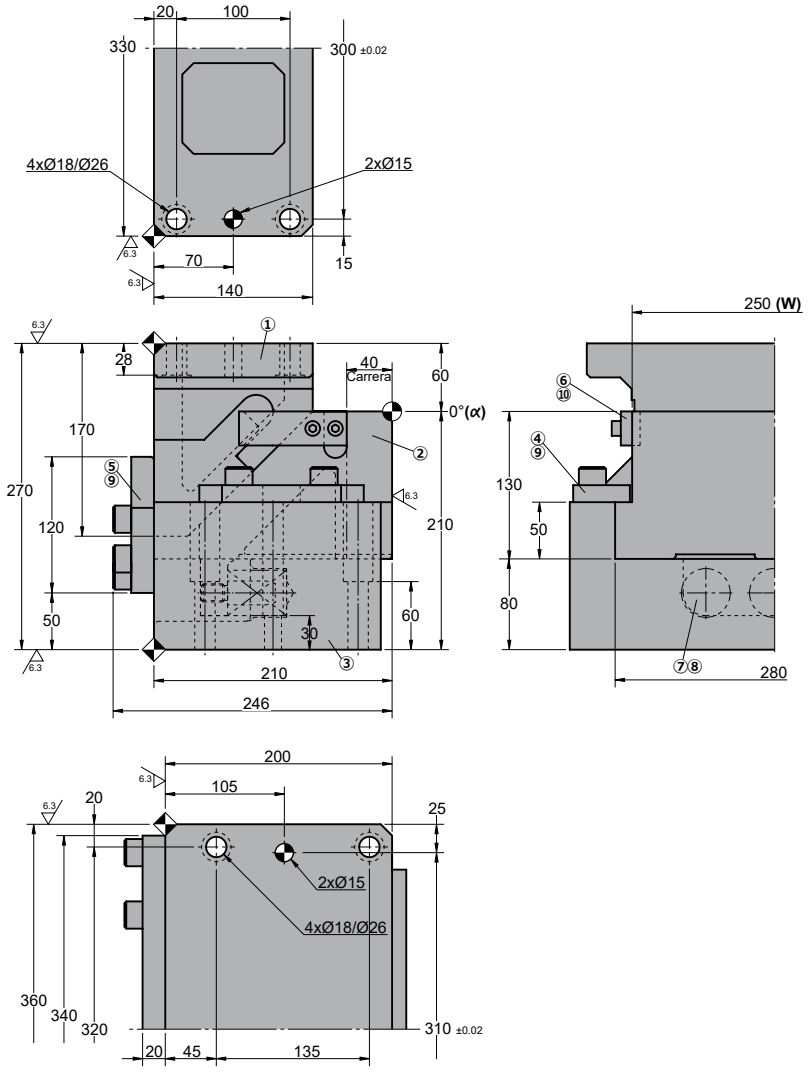


LKCM 0250

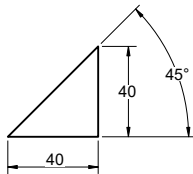
Die mounted cam for pierce and flange



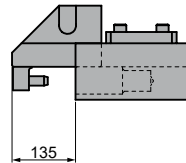
LKCM 0250 40



◦Cam diagram:



◦Desassembling space:





LKCM 0250

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
98.0 (10.0)	147.0 (15.0)	602.4 (61.4)	3610.1 (368.6)	106.0	LKCM	0250	40



Order: Model (W) (Stroke)

LKCM 0250 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0250 40-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

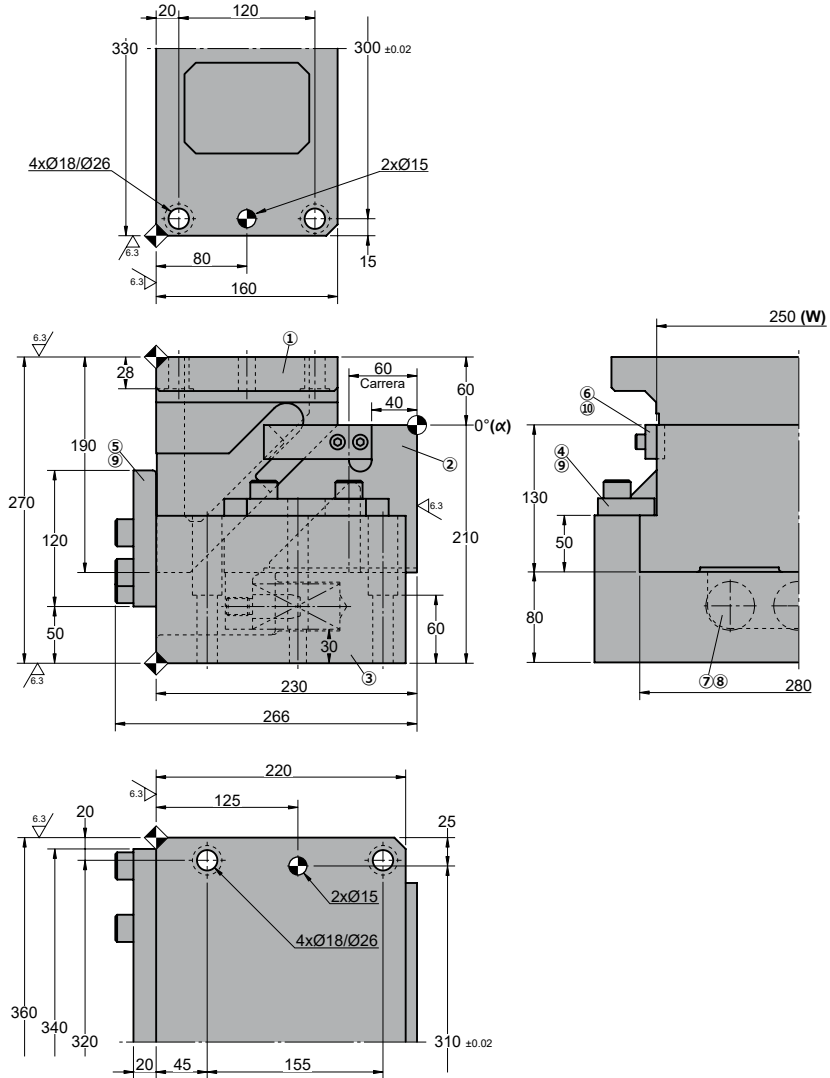
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF40-100
⑨	Screw	10	M16 x 45
⑩	Screw	4	M8 x 30

LKCM 0250

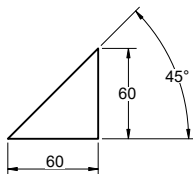
Die mounted cam for pierce and flange



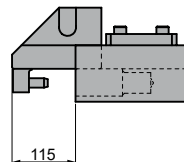
LKCM 0250 60



◦Cam diagram:



◦Desassembling space:





LKCM 0250

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
98.0 (10.0)	147.0 (15.0)	651.3 (66.3)	3659.4 (372.3)	127.0	LKCM	0250	60



Order: Model (W) (Stroke)

LKCM 0250 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0250 60-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

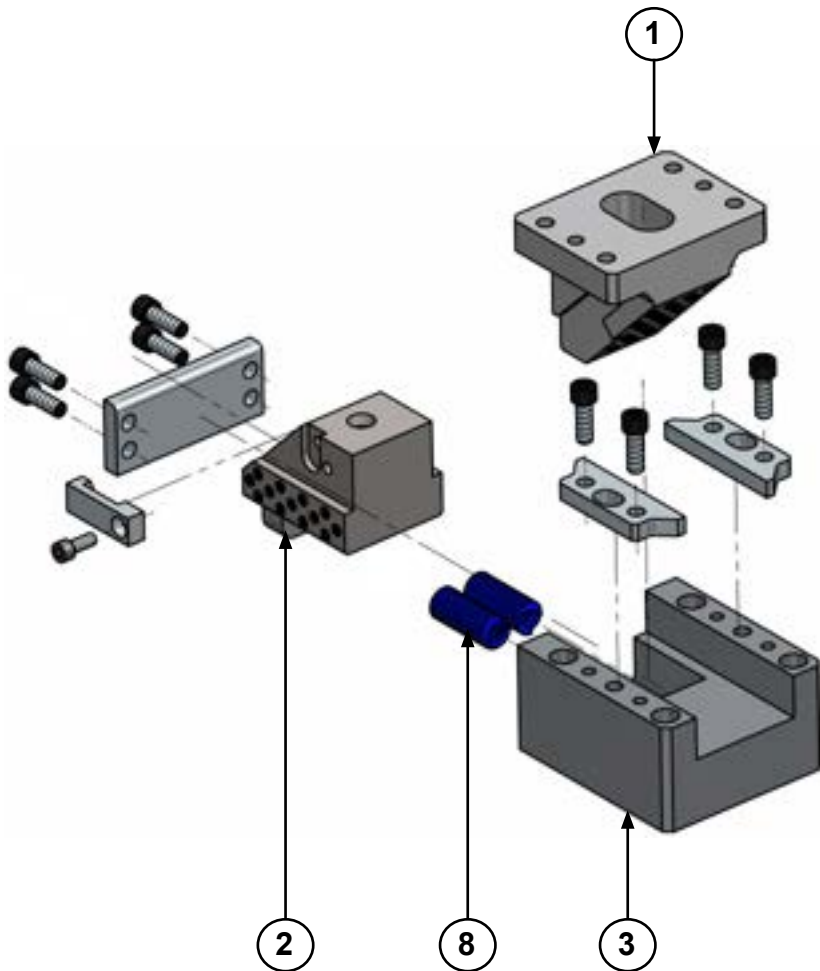
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF40-150
⑨	Screw	10	M16 x 45
⑩	Screw	4	M8 x 30

LKCM 0250

Die mounted cam for pierce and flange

LKCM 0300

Die mounted cam for pierce and flange

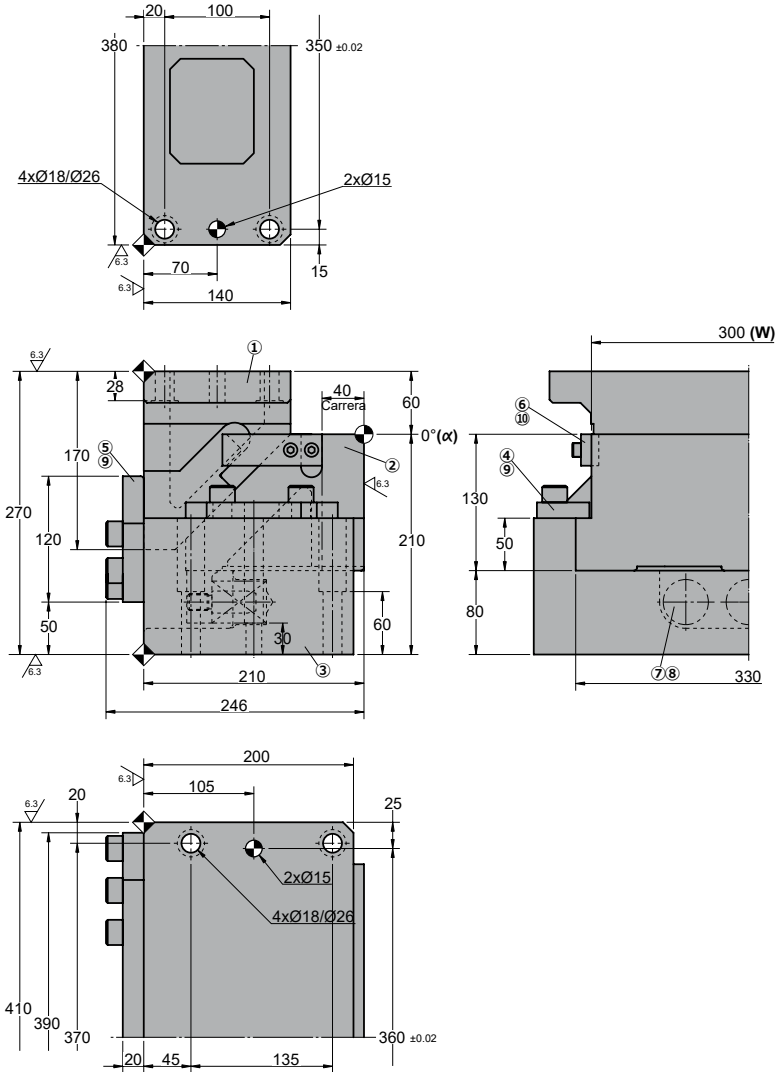


LKCM 0300

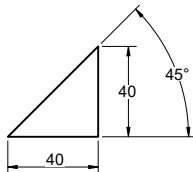
Die mounted cam for pierce and flange



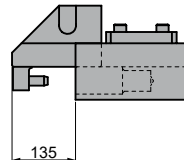
LKCM 0300 40



◦Cam diagram:



◦Desassembling space:





LKCM 0300

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
117.6 (12.0)	176.4 (18.0)	602.4 (61.4)	3610.1 (368.6)	106.0	LKCM	300	40



Order: Model (W) (Stroke)

LKCM 0300 40

Standard order example according to catalog sheet. Add options applying options table contents.

OPCIONES

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0300 40-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

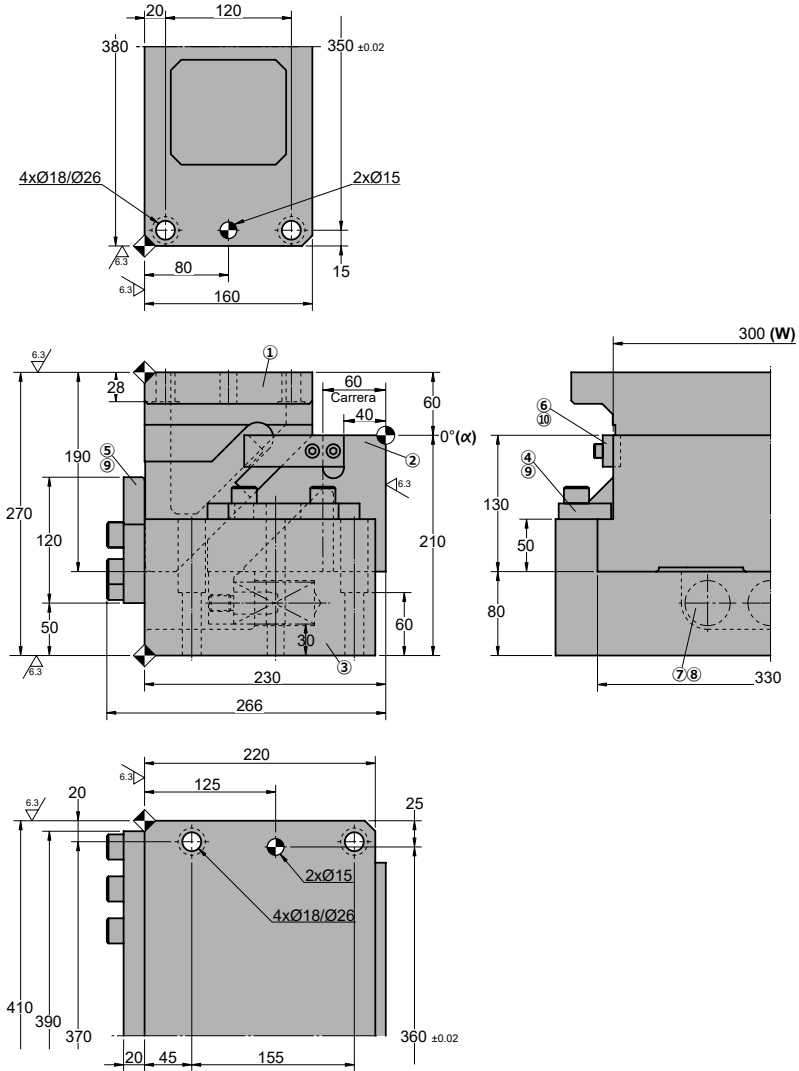
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF40-100
⑨	Screw	12	M16 x 45
⑩	Screw	4	M8 x 30

LKCM 0300

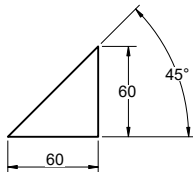
Die mounted cam for pierce and flange



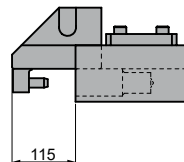
LKCM 0300 60



◦Cam diagram:



◦Desassembling space:





LKCM 0300

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
117.6 (12.0)	176.4 (18.0)	651.3 (66.3)	3659.4 (372.3)	128.0	LKCM	300	60



Order: Model (W) (Stroke)

LKCM 0300 60

Standard order example according to catalog sheet. Add options applying options table contents.

OPCIONES

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0300 60-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

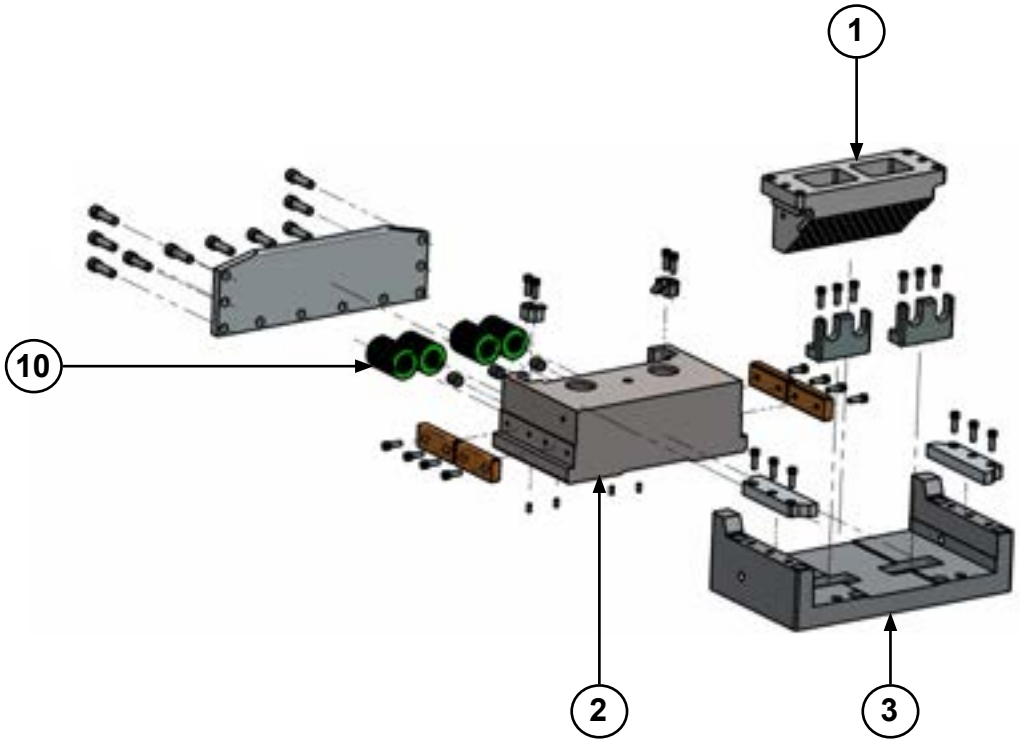
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF40-150
⑨	Screw	12	M16 x 45
⑩	Screw	4	M8 x 30

LKCM 0300

Die mounted cam for pierce and flange

LKCM 0400-0500-0600

Die mounted cam for pierce and flange

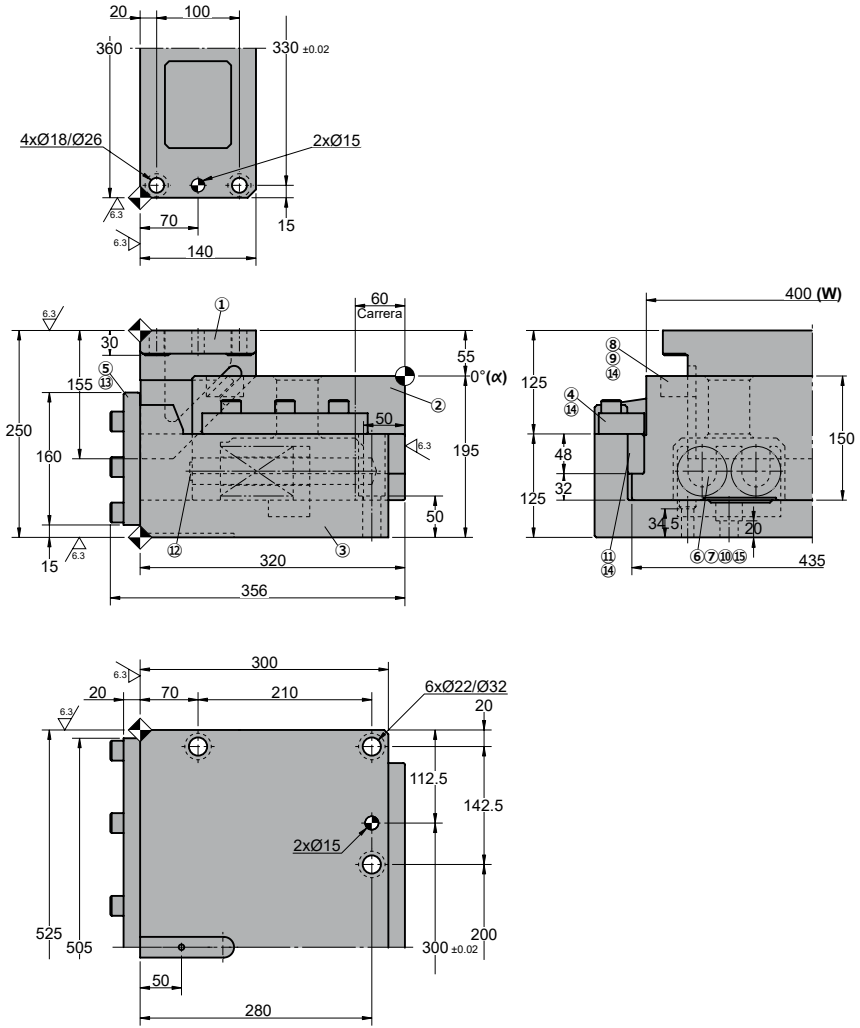


LKCM 0400

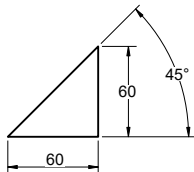
Die mounted cam for pierce and flange



LKCM 0400 60



◦Cam diagram:



◦Desassembling space:



Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
137.2 (14.0)	205.8 (21.0)	301.6 (30.7)	9332.2 (952.3)	203.0	LKCM	0400	60



Order: Model (W) (Stroke)

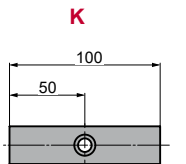
LKCM 0400 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15



P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0400 60-K

LKCM 0400 60-P16

LKCM 0400 60-K-P16



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

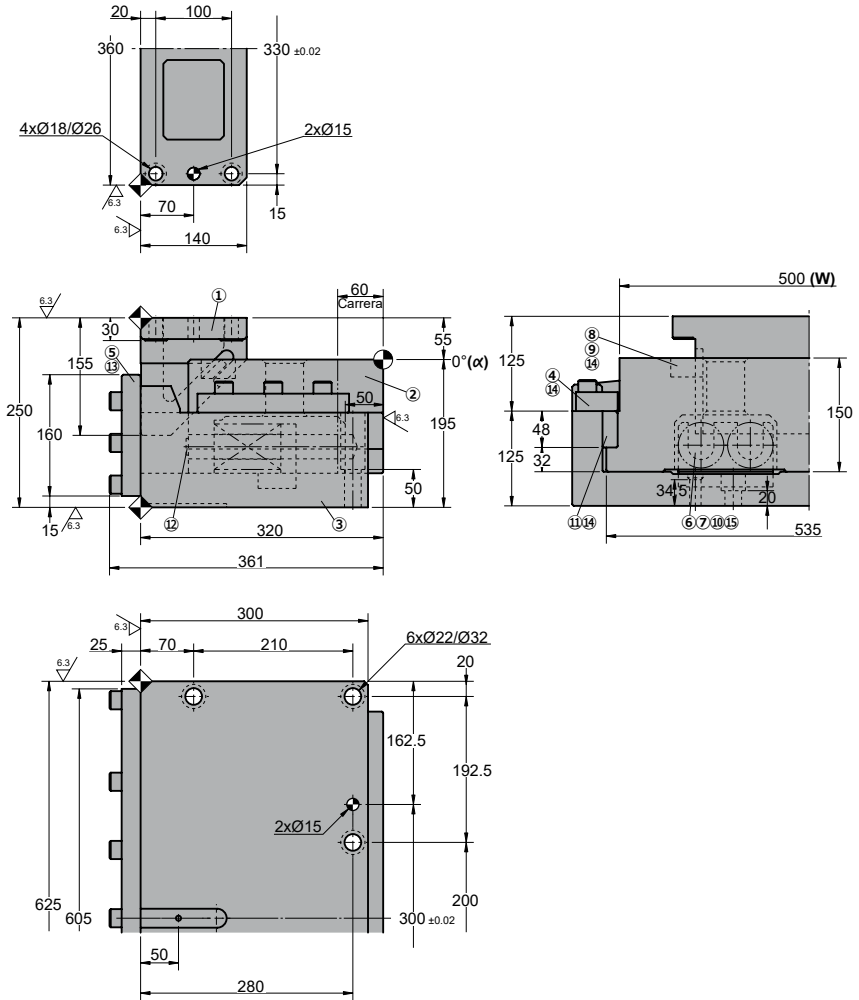
No.	Description	Qty.	Material
①	Cam Driver	1	GGG25 + G
②	Cam Slider	1	GGG25 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GGG25 + G
⑤	Stopper Plate	1	CK45
⑥	Spring Spacer	2	CK45
⑦	Spring Guide	4	CK45
⑧	Positive Return-1	1	CK45
⑨	Positive Return-2	1	CK45
⑩	Coil Spring	4	TF60-150 (Tohatsu)
⑪	Guide Plate	4	GG25 + G (48x125x20)
⑫	Stopper	3	Goma
⑬	Screw	16	M16 x 55
⑭	Screw	18	M10 x 30
⑮	Dowel Pin	4	Ø10 x 60

LKCM 0500

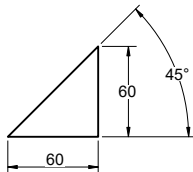
Die mounted cam for pierce and flange



LKCM 0500 60



◦Cam diagram:



◦Desassembling space:

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
137.2 (14.0)	205.8 (21.0)	301.6 (30.7)	9332.2 (952.3)	237.0	LKCM	0500	60



Order: Model (W) (Stroke)

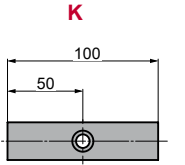
LKCM 0500 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

KEY



1 x M8x15



P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0500 60-K

LKCM 0500 60-P16

LKCM 0500 60-K-P16



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

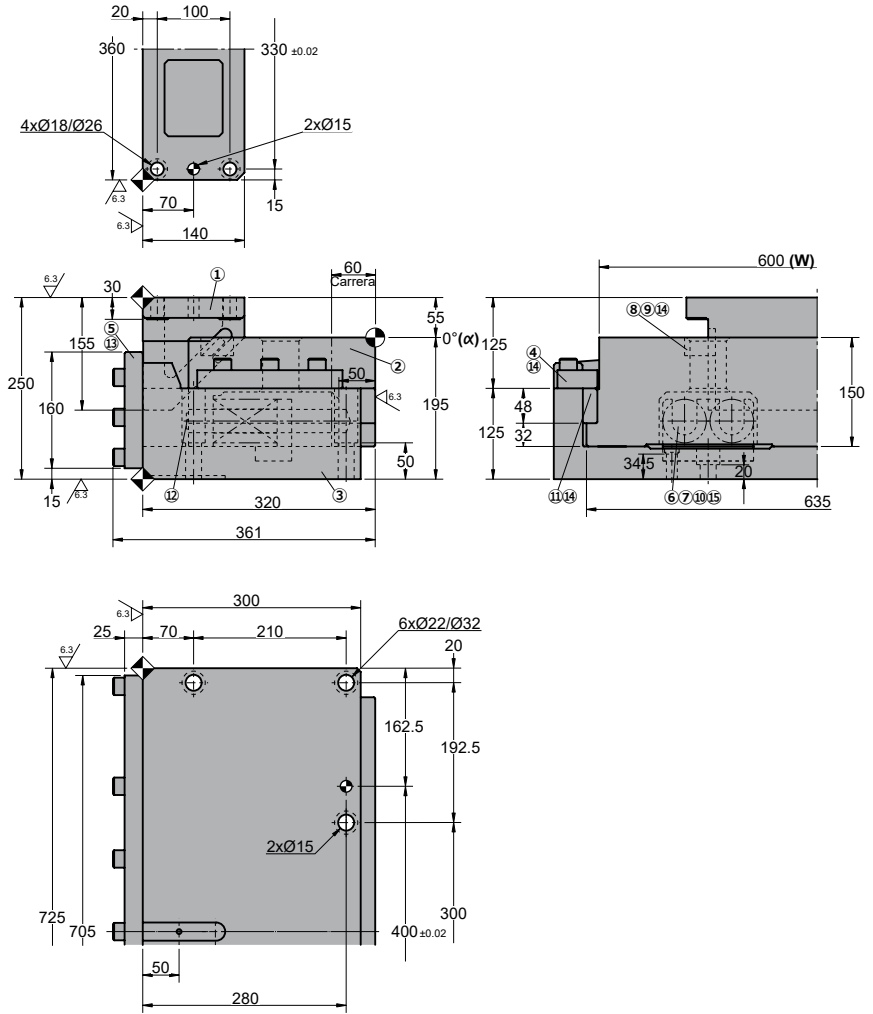
No.	Description	Qty.	Material
①	Cam Driver	1	GGG25 + G
②	Cam Slider	1	GGG25 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GGG25 + G
⑤	Stopper Plate	1	CK45
⑥	Spring Spacer	2	CK45
⑦	Spring Guide	4	CK45
⑧	Positive Return-1	1	CK45
⑨	Positive Return-2	1	CK45
⑩	Coil Spring	4	TF60-150 (Tohatsu)
⑪	Guide Plate	4	GG25 + G (48x125x20)
⑫	Stopper	5	Goma
⑬	Screw	17	M16 x 45
⑭	Screw	18	M10 x 30
⑮	Dowel Pin	4	Ø10 x 60

LKCM 0600

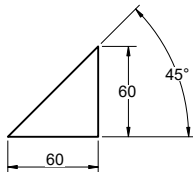
Die mounted cam for pierce and flange



LKCM 0600 60



◦Cam diagram:



◦Desassembling space:



Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
137.2 (14.0)	205.8 (21.0)	301.6 (30.7)	9332.2 (952.3)	279.0	LKCM	0600	60



Order: Model (W) (Stroke)

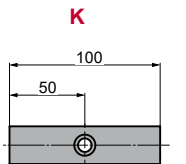
LKCM 0600 60

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K

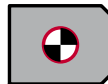
KEY



1 x M8x15



P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option



LKCM 0600 60-K

LKCM 0600 60-P16

LKCM 0600 60-K-P16



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG25 + G
②	Cam Slider	1	GGG25 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GGG25 + G
⑤	Stopper Plate	1	CK45
⑥	Spring Spacer	2	CK45
⑦	Spring Guide	4	CK45
⑧	Positive Return-1	1	CK45
⑨	Positive Return-2	1	CK45
⑩	Coil Spring	4	TF60-150 (Tohatsu)
⑪	Guide Plate	4	GG25 + G (48x125x20)
⑫	Stopper	5	Goma
⑬	Screw	17	M16 x 55
⑭	Screw	18	M10 x 30
⑮	Dowel Pin	4	Ø10 x 60

LKCM 0400-0500-0600



Die mounted cam for pierce and flange

General information

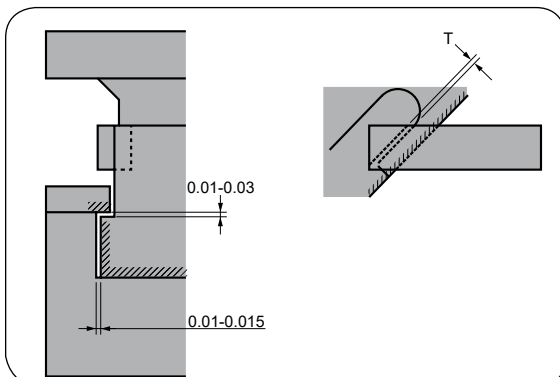


LKCV 0065
LKCV 0100
LKCV 0150

- Die mounted cam.
- Angles from 5° to 20° with increments of 5°.
- 45 mm Stroke.

Adjustment clearances

LKCV 0065
LKCV 0100
LKCV 0150



- T: 1,5 mm clearance for 65mm width and 2 mm for 100mm width or more.

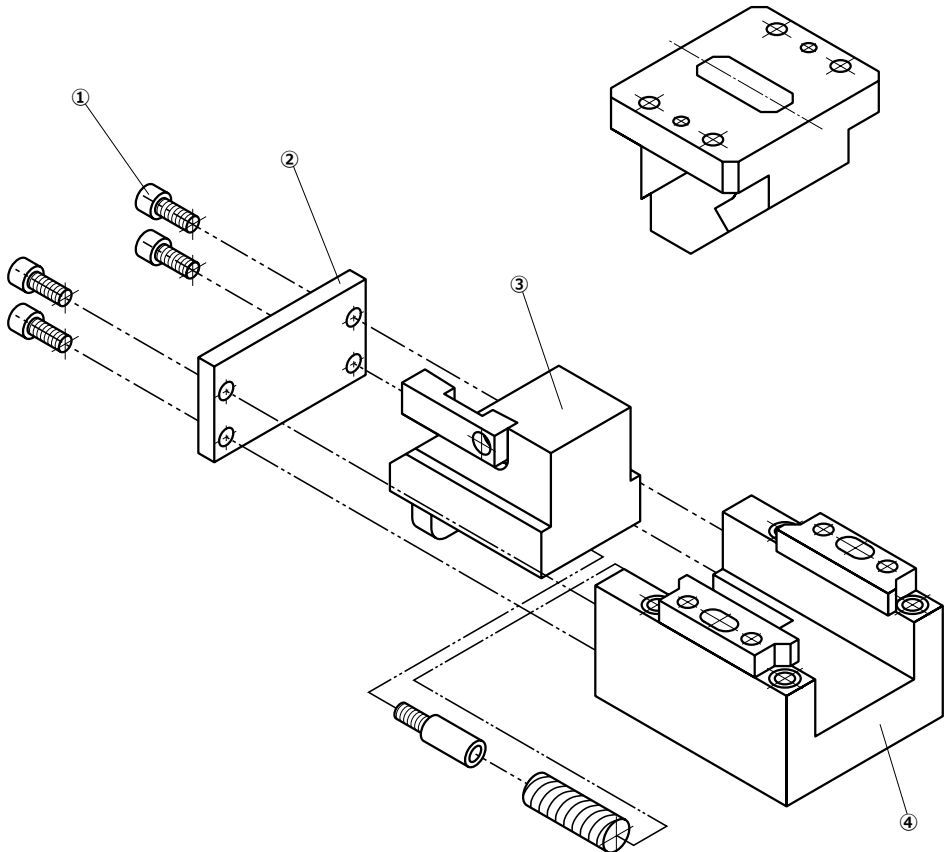
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

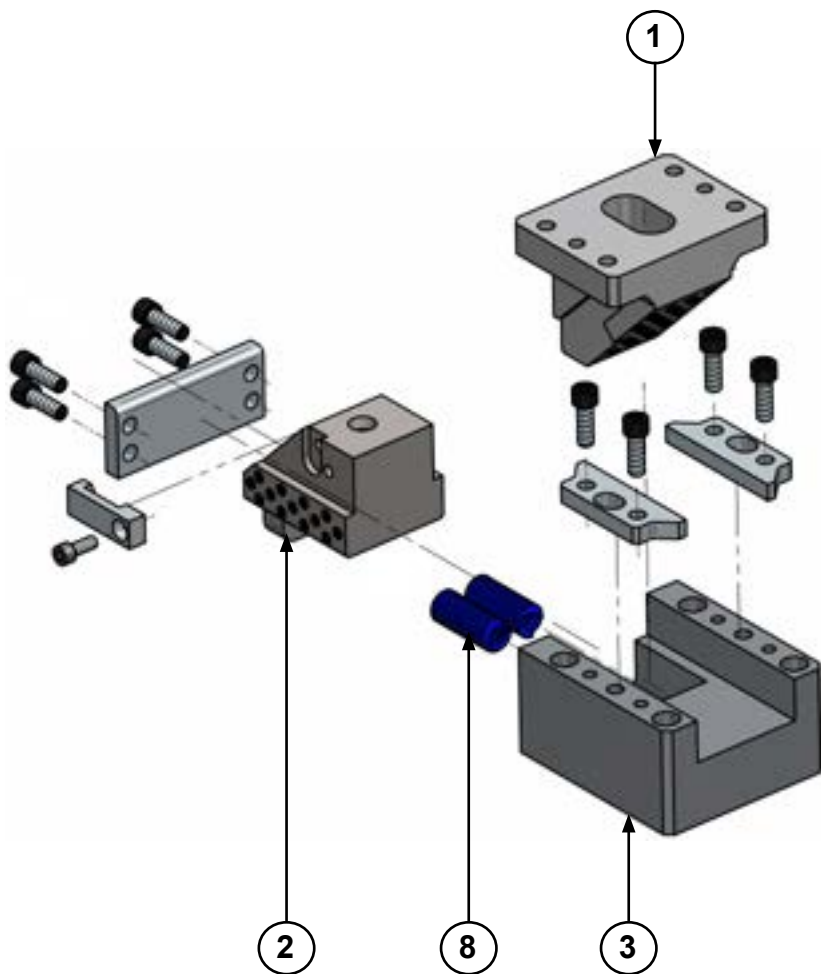
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



LKCV 0065

Die mounted cam for pierce and flange

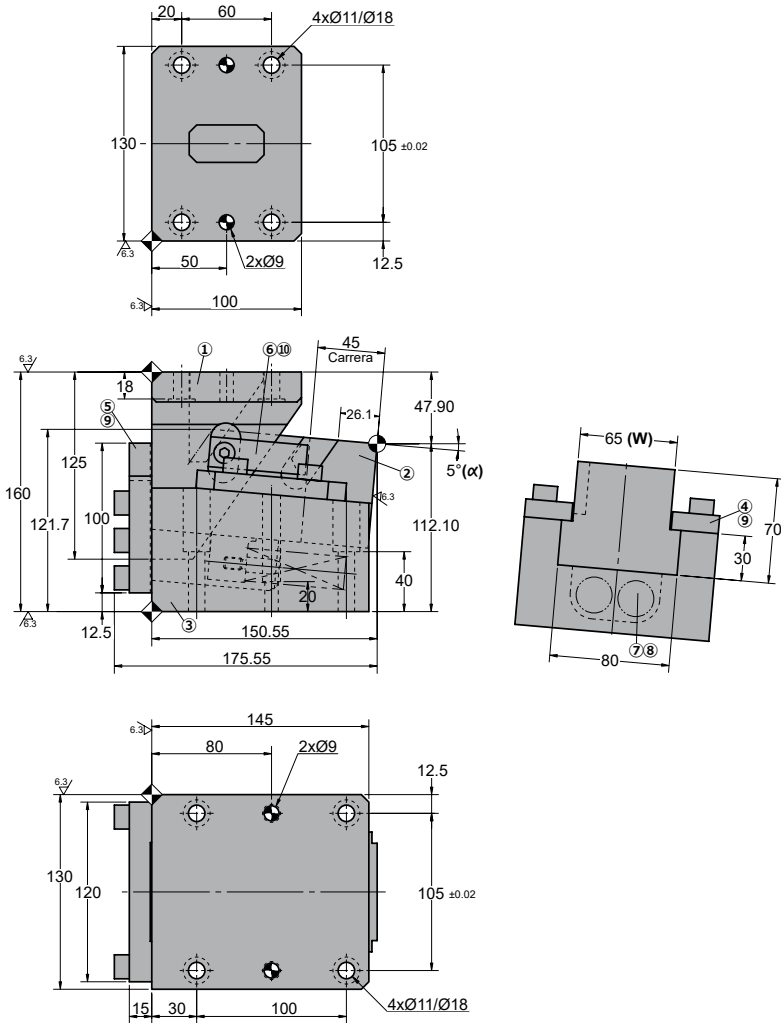


LKCV 0065

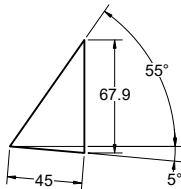
Die mounted cam for pierce and flange



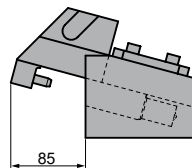
LKCV 0065 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	19.6 (2.0)	39.2 (4.0)	176.4 (17.9)	741.0 (75.5)	19.0	LKCV	0065	05

Order: Model (W) (α)**LKCV 0065 05**Standard order example according to catalog sheet.
Add options applying options table contents.**OPTIONS****P PINS****P10 - Ø10 H7**Order Options: Model (W) (α)-Option**LKCV 0065 05-P10****SPARE PARTS:**

⑧ Coil Spring

COMPONENTS

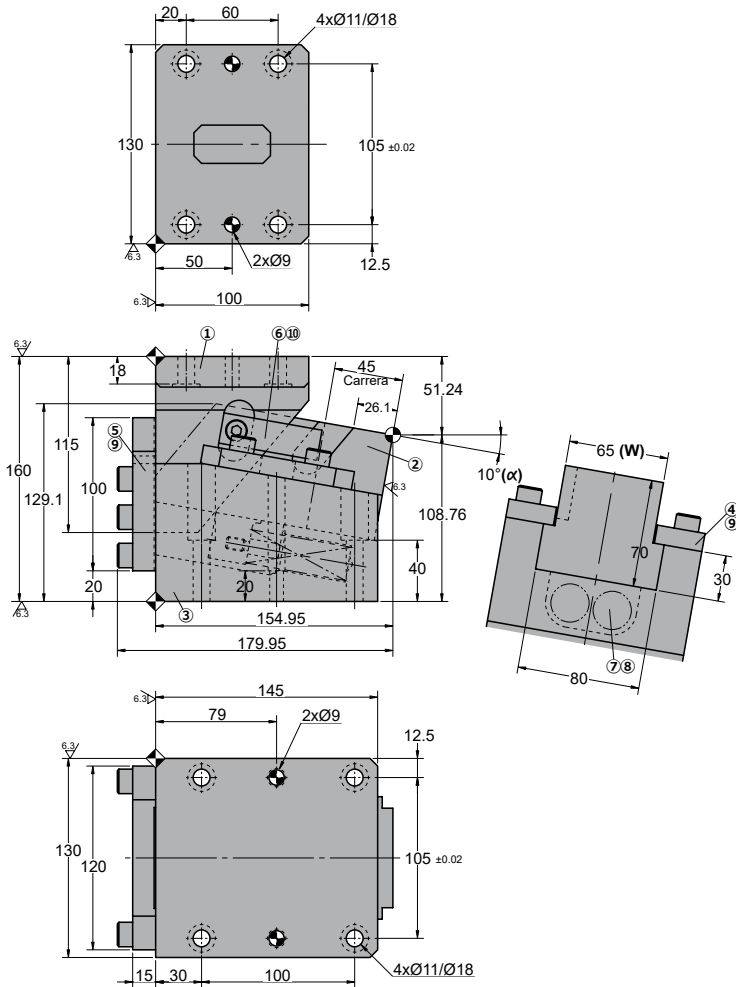
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-125
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20

LKCV 0065

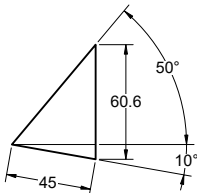
Die mounted cam for pierce and flange



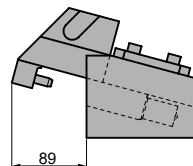
LKCV 0065 10



◦Cam diagram:



◦Desassembling space:





LKCV 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	19.6 (2.0)	39.2 (4.0)	176.4 (17.9)	741.0 (75.5)	19.6	LKCV	0065	10



Order: Model (W) (α)

LKCV 0065 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option



LKCV 0065 10-P10



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

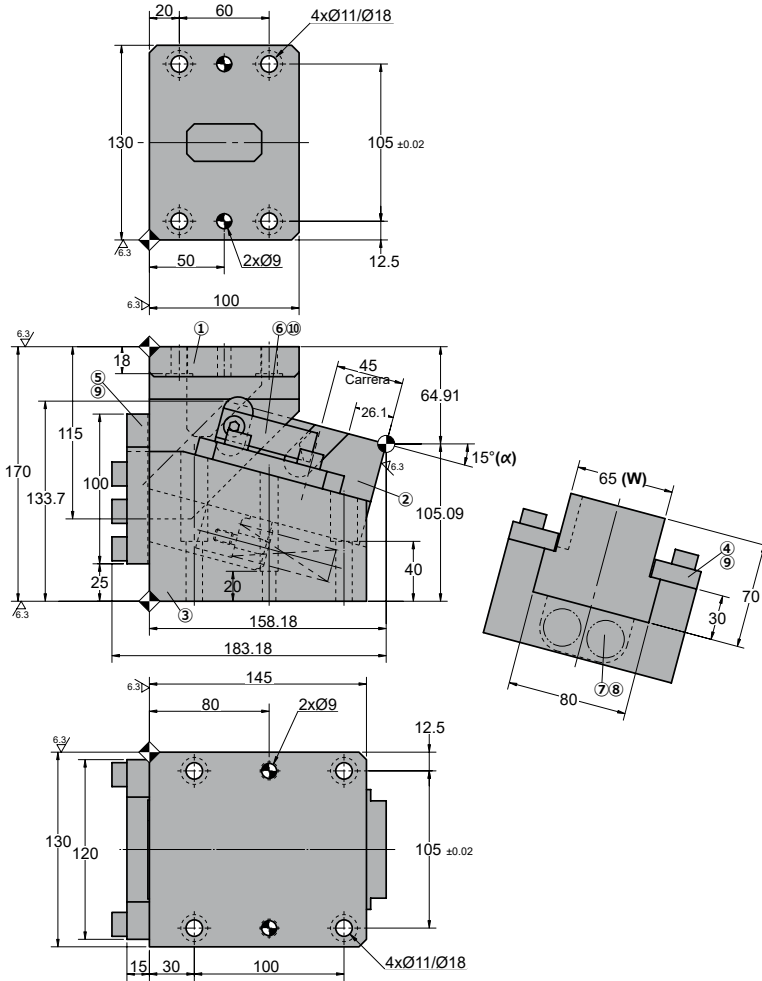
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-125
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20

LKCV 0065

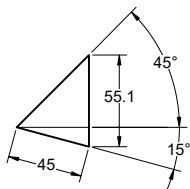
Die mounted cam for pierce and flange



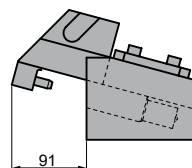
LKCV 0065 15



Cam diagram:



Desassembling space:





LKCV 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	19.6 (2.0)	39.2 (4.0)	176.4 (17.9)	741.0 (75.5)	22.3	LKCV	0065	15



Order: Model (W) (α)

LKCV 0065 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option



LKCV 0065 15-P10



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

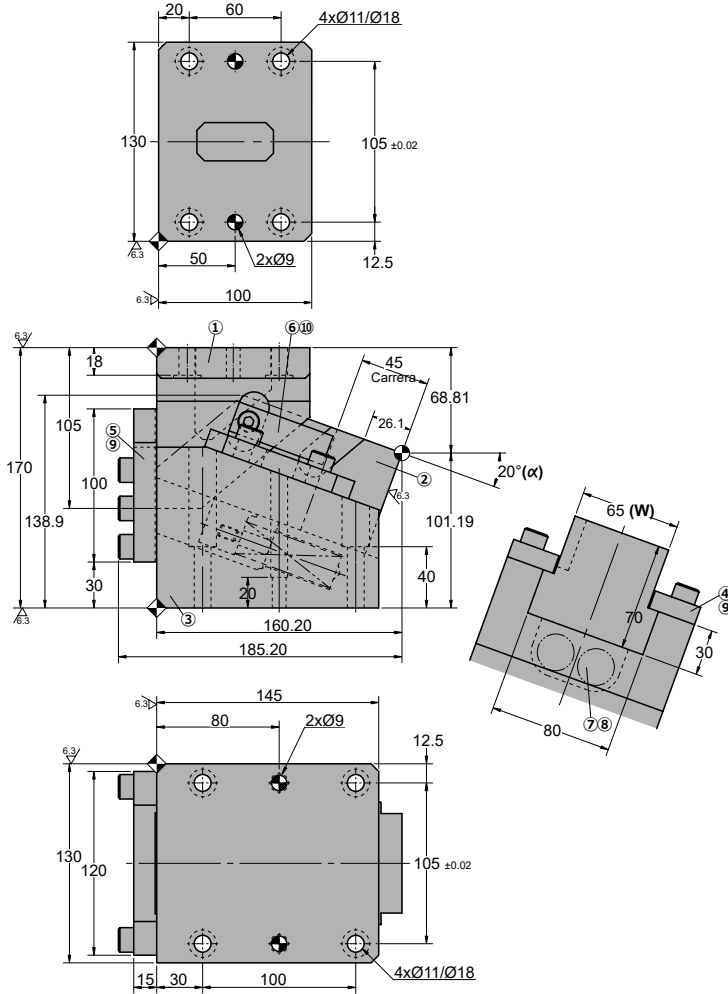
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-125
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20

LKCV 0065

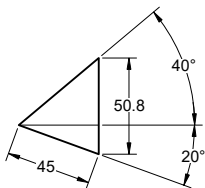
Die mounted cam for pierce and flange



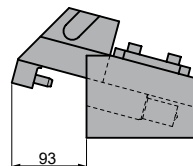
LKCV 0065 20



◦Cam diagram:



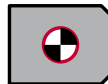
◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	19.6 (2.0)	39.2 (4.0)	176.4 (17.9)	741.0 (75.5)	22.3	LKCV	0065	20

Order: Model (W) (α)**LKCV 0065 20**Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS**P10 - Ø10 H7**Order Options: Model (W) (α)-Option**LKCV 0065 20-P10****SPARE PARTS:**

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-125
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20

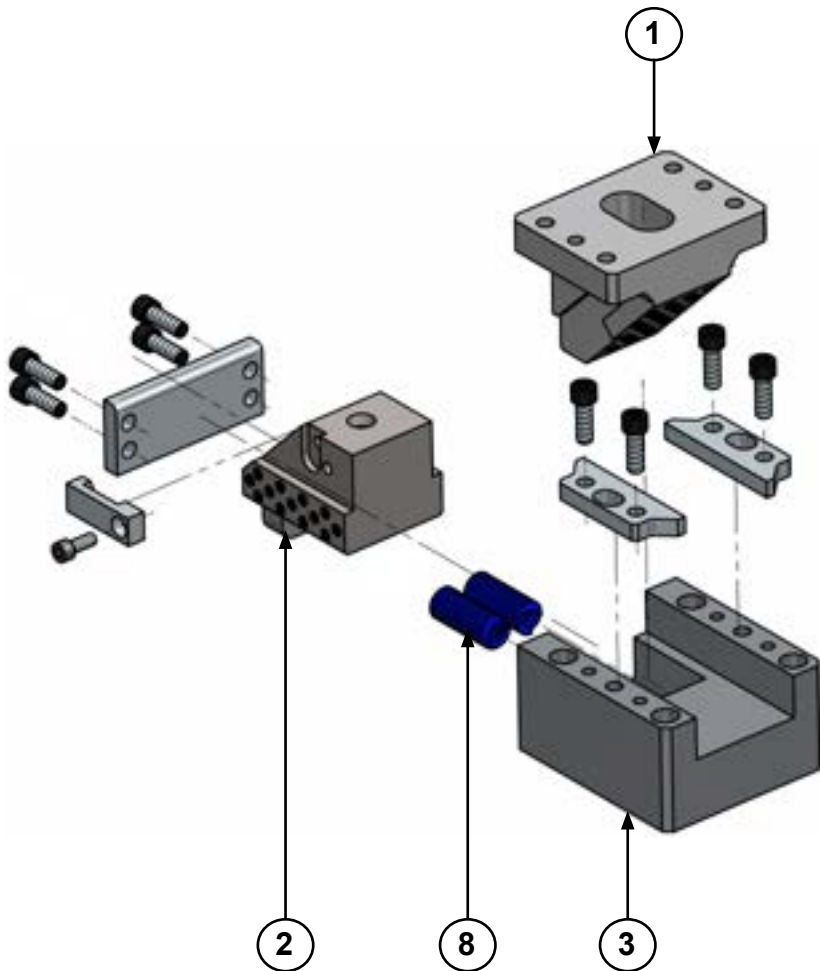
LKCV 0065



Die mounted cam for pierce and flange

LKCV 0100

Die mounted cam for pierce and flange

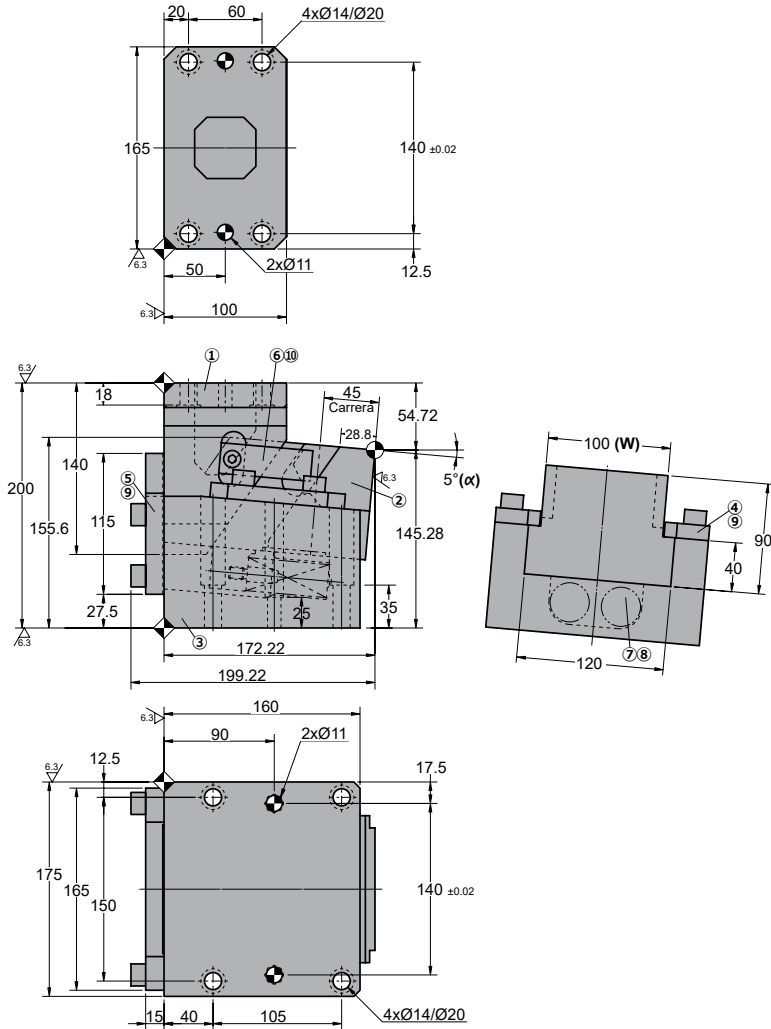


LKCV 0100

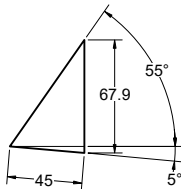
Die mounted cam for pierce and flange



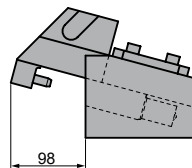
LKCV 0100 05



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	39.2 (4.0)	78.4 (8.0)	263.2 (26.9)	1111.6 (113.3)	33.0	LKCV	0100	05



Order: Model (W) (α)

LKCV 0100 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option



LKCV 0100 05-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

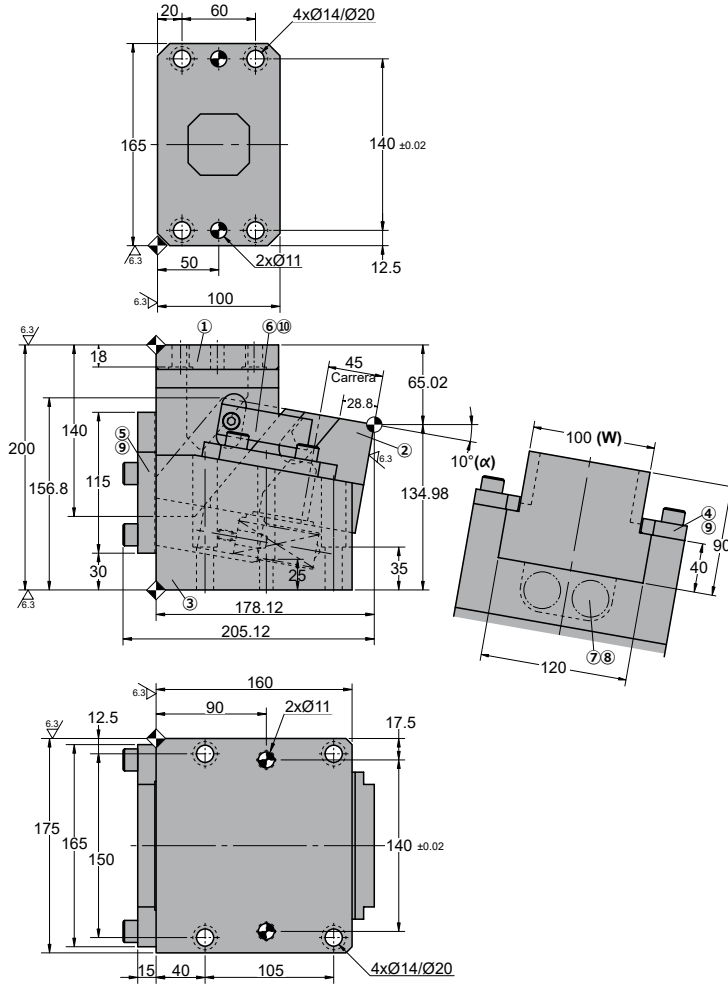
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-125
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25

LKCV 0100

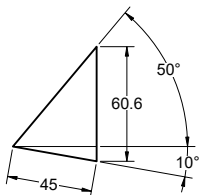
Die mounted cam for pierce and flange



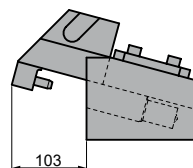
LKCV 0100 10



◦Cam diagram:



◦Desassembling space:





LKCV 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	39.2 (4.0)	78.4 (8.0)	263.2 (26.9)	1111.6 (113.3)	33.0	LKCV	0100	10




Order: Model (W) (α)

LKCV 0100 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p>  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>P13 - Ø13 H7</p> <p>P12 - Ø12 H7</p> </div>

Order Options: Model (W) (α)-Option



LKCV 0100 05-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

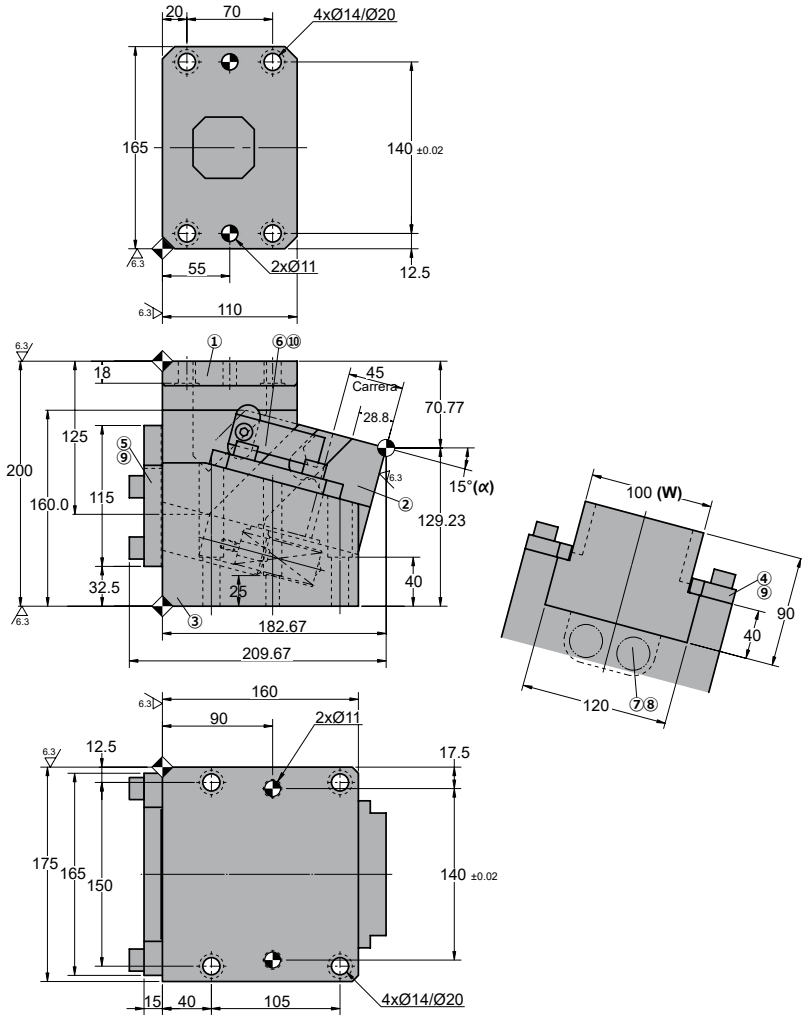
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-125
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25

LKCV 0100

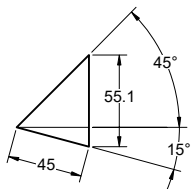
Die mounted cam for pierce and flange



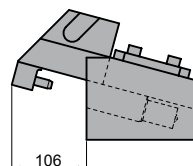
LKCV 0100 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	39.2 (4.0)	78.4 (8.0)	263.2 (26.9)	1111.6 (113.3)	33.0	LKCV	0100	15



Order: Model (W) (α)

LKCV 0100 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option



LKCV 0100 15-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

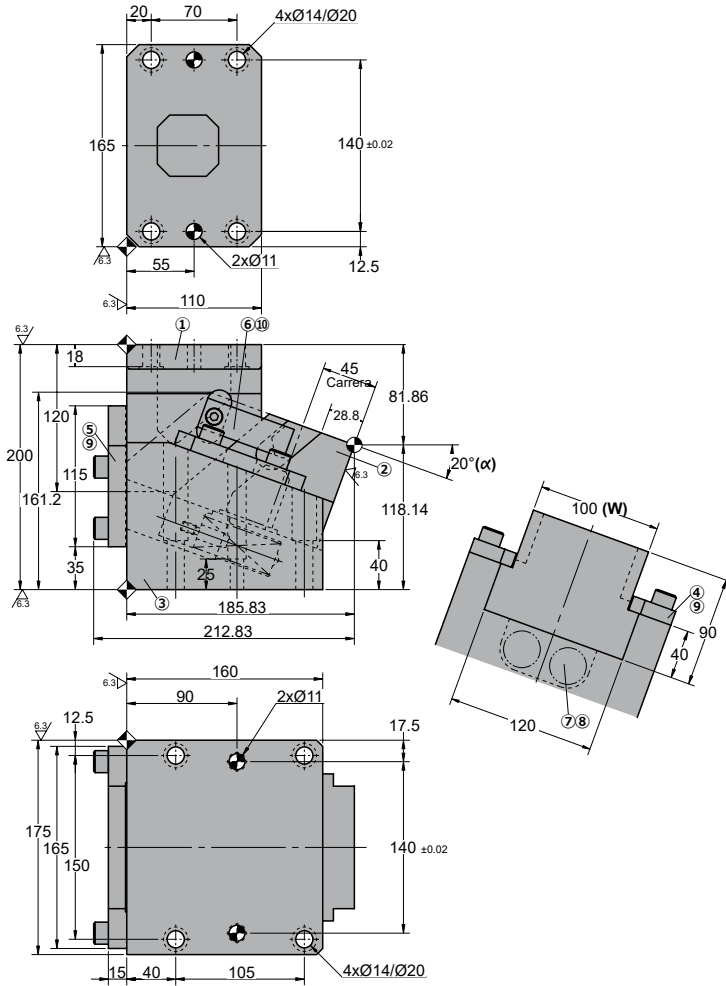
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-125
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25

LKCV 0100

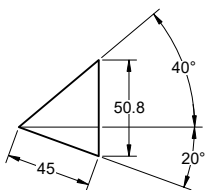
Die mounted cam for pierce and flange



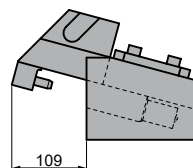
LKCV 0100 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	39.2 (4.0)	78.4 (8.0)	263.2 (26.9)	1111.6 (113.3)	32.0	LKCV	0100	20



Order: Model (W) (α)

LKCV 0100 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option



LKCV 0100 20-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-125
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25

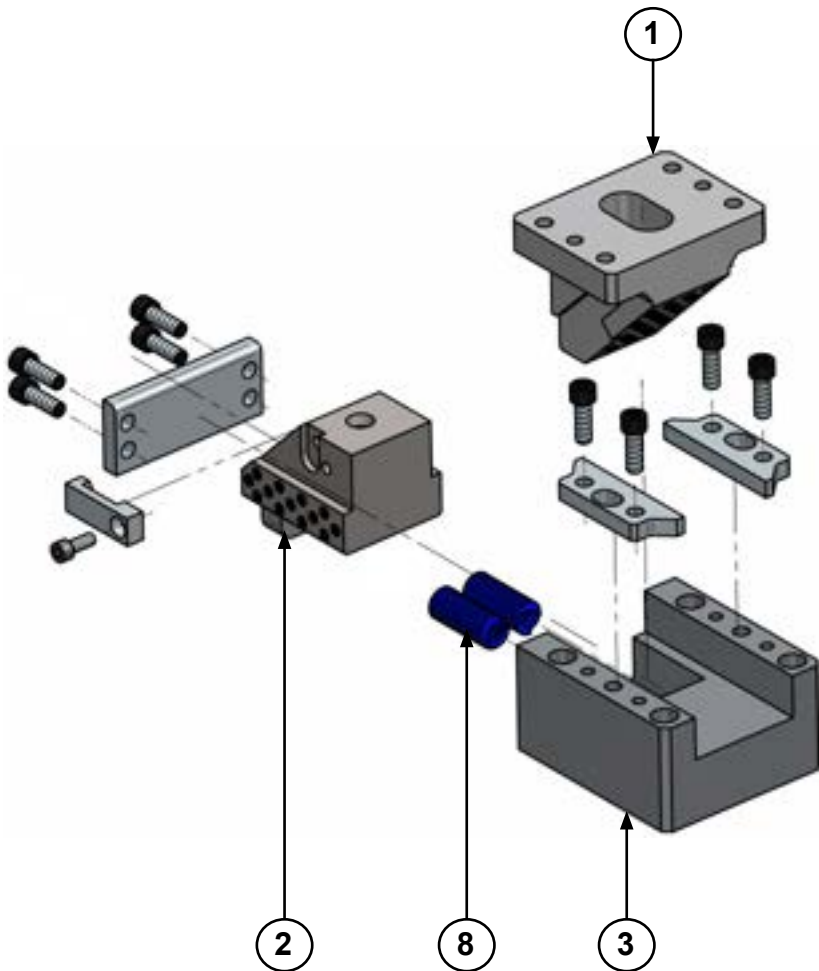
LKCV 0100



Die mounted cam for pierce and flange

LKCV 0150

Die mounted cam for pierce and flange

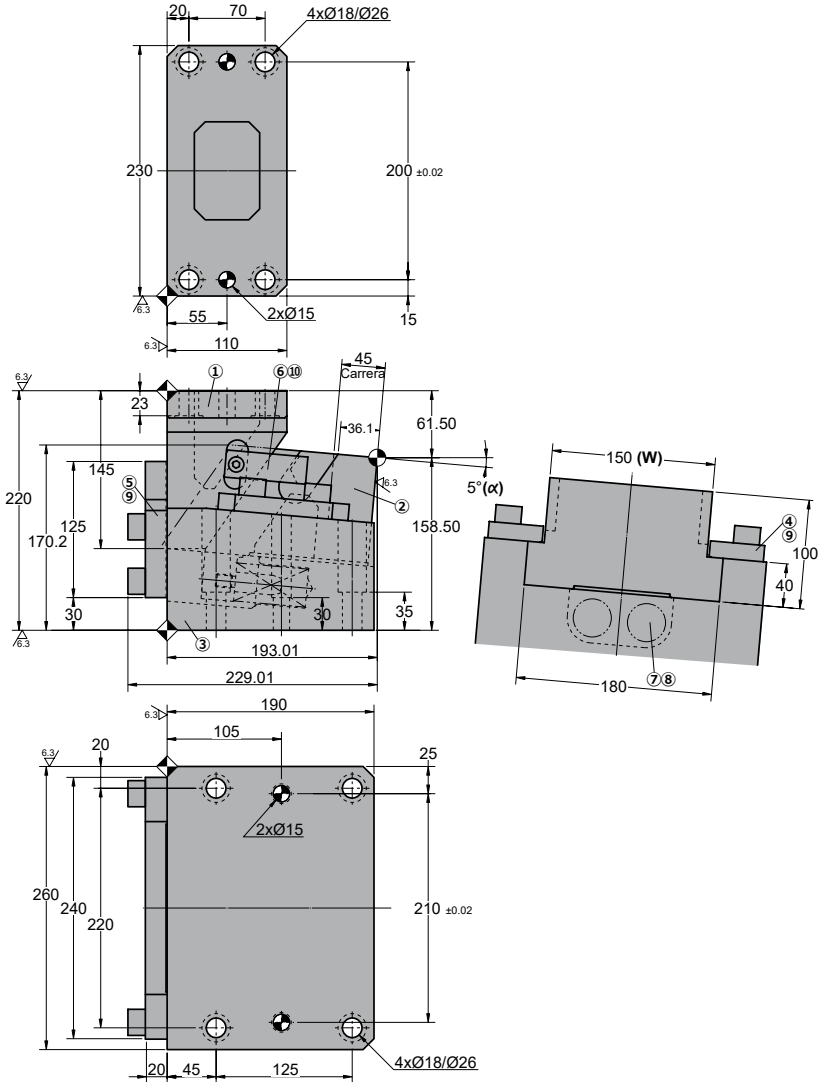


LKCV 0150

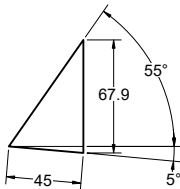
Die mounted cam for pierce and flange



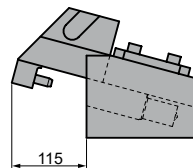
LKCV 0150 05



◦Cam diagram:



◦Desassembling space:





LKCV 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1810.1 (184.1)	62.0	LKCV	0150	05




Order: Model (W) (α)

LKCV 0150 05

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p>  <p>P16 - Ø16 H7</p>

Order Options: Model (W) (α)-Option



LKCV 0150 05-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

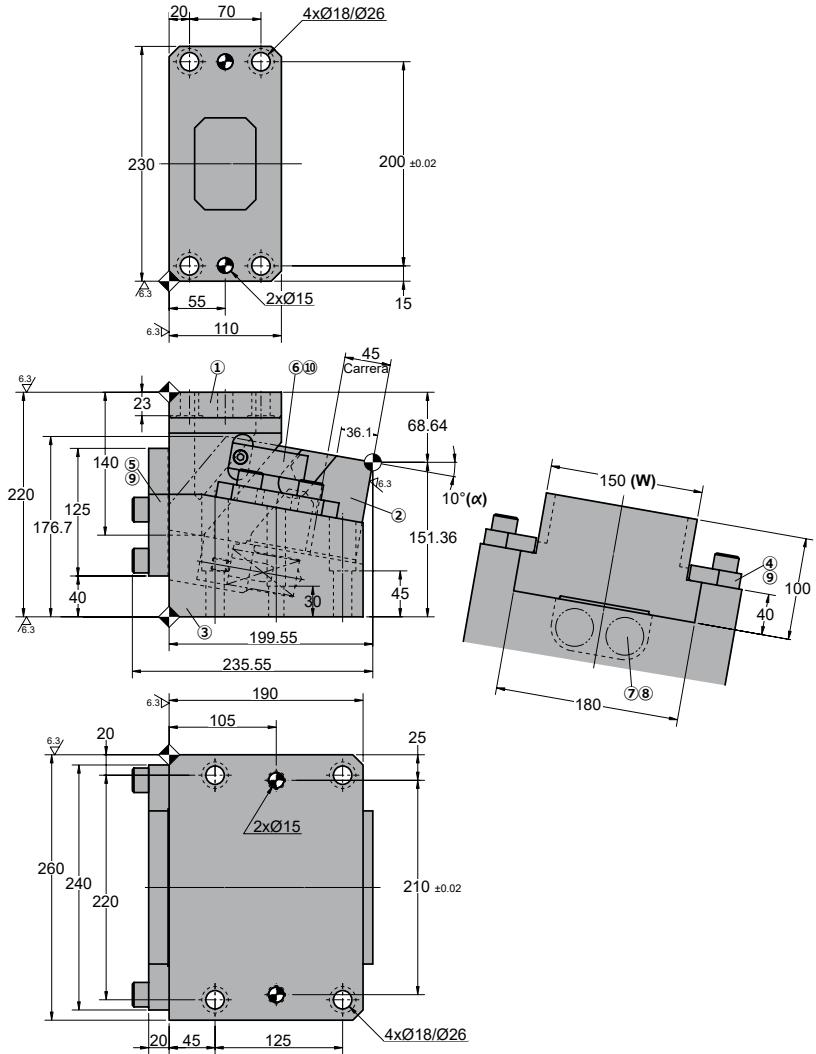
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-125
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25

LKCV 0150

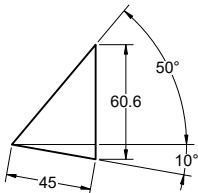
Die mounted cam for pierce and flange



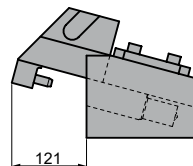
LKCV 0150 10



◦Cam diagram:



◦Desassembling space:





LKCV 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1810.1 (184.1)	63.0	LKCV	0150	10




Order: Model (W) (α)

LKCV 0150 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p>  <p>P16 - Ø16 H7</p>

Order Options: Model (W) (α)-Option



LKCV 0150 10-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

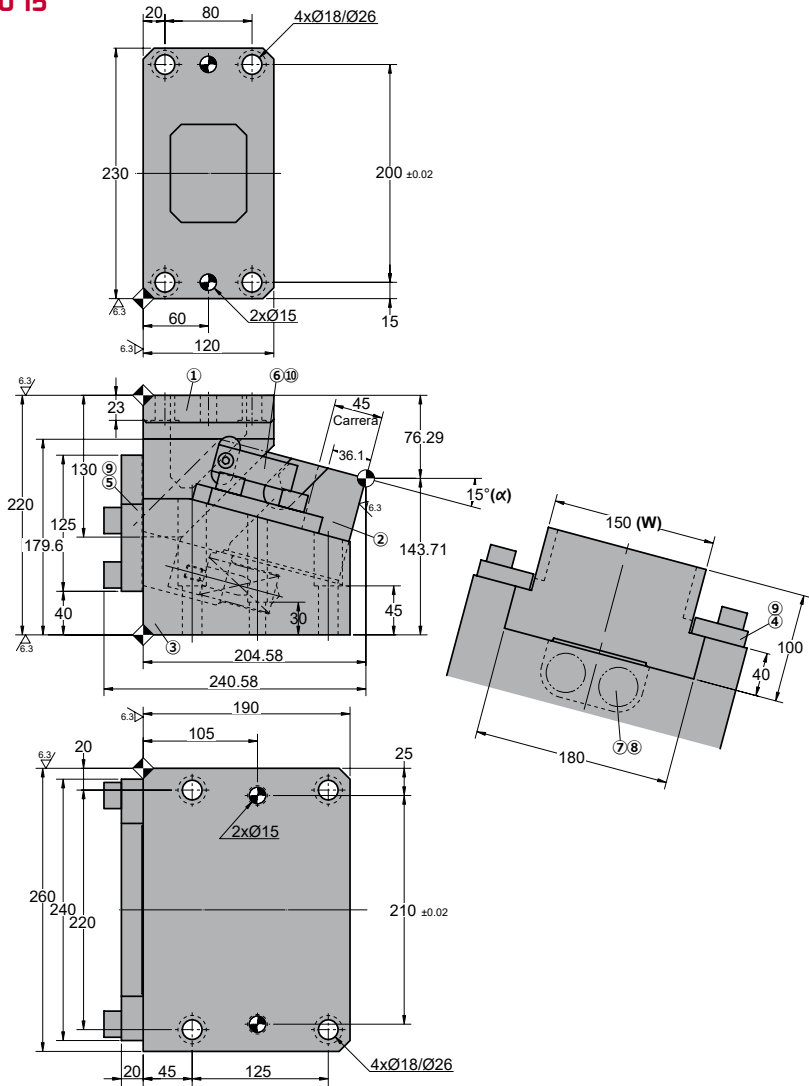
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-125
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25

LKCV 0150

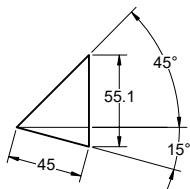
Die mounted cam for pierce and flange



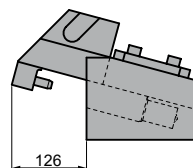
LKCV 0150 15



◦Cam diagram:



◦Desassembling space:





LKCV 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1810.1 (184.1)	65.0	LKCV	0150	15




Order: Model (W) (α)

LKCV 0150 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p>  <p>P16 - Ø16 H7</p>

Order Options: Model (W) (α)-Option



LKCV 0150 15-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

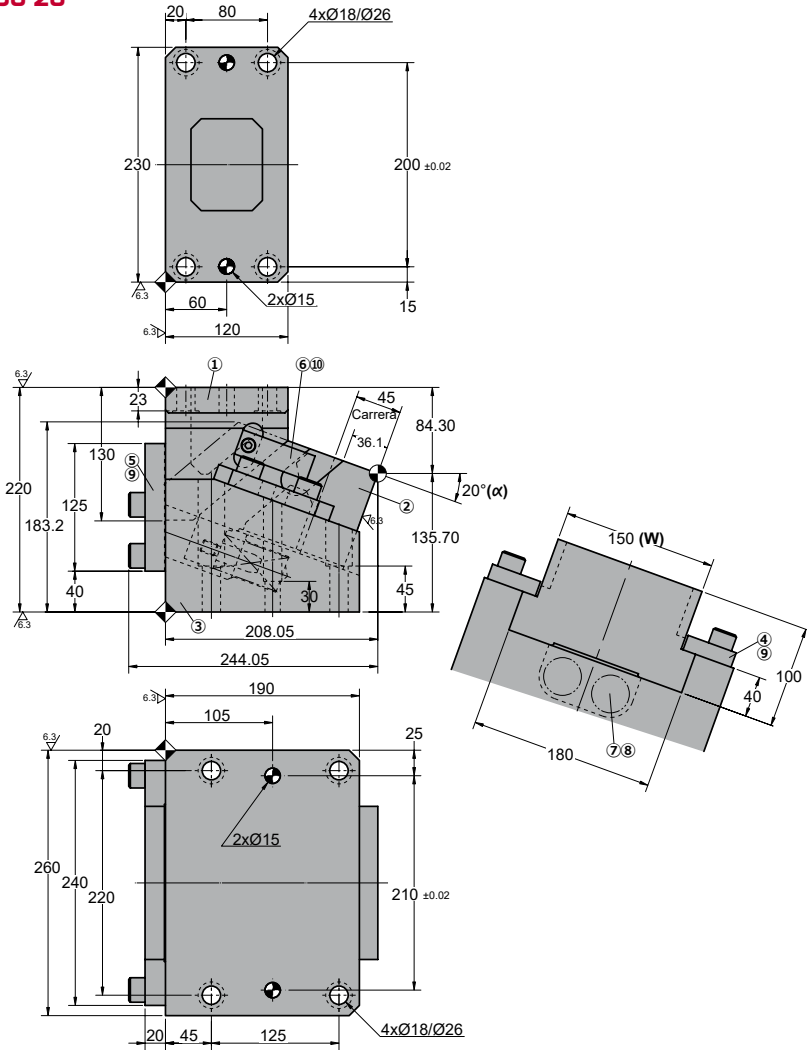
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-125
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25

LKCV 0150

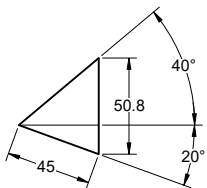
Die mounted cam for pierce and flange



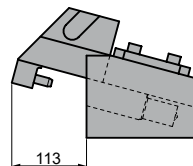
LKCV 0150 20



Cam diagram:



Desassembling space:





LKCV 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
45.0	64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1810.1 (184.1)	66.0	LKCV	0150	20



Order: Model (W) (α)

LKCV 0150 20

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LKCV 0150 20-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-125
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25

LKCV 0150



Die mounted cam for pierce and flange

General information

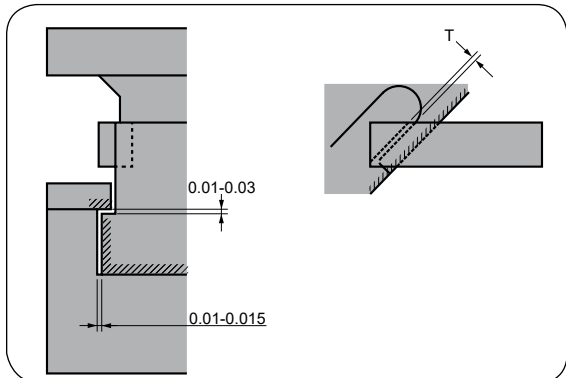


LKCZ 0065
LKCZ 0100
LKCZ 0150

- Die mounted cam.
- Angles from 5° to 20° with increments of 5°.
- 70 mm Stroke.

Adjustment clearances

LKCZ 0065
LKCZ 0100
LKCZ 0150



- T: 1,5 mm clearance for 65mm width and 2 mm for 100mm width or more.

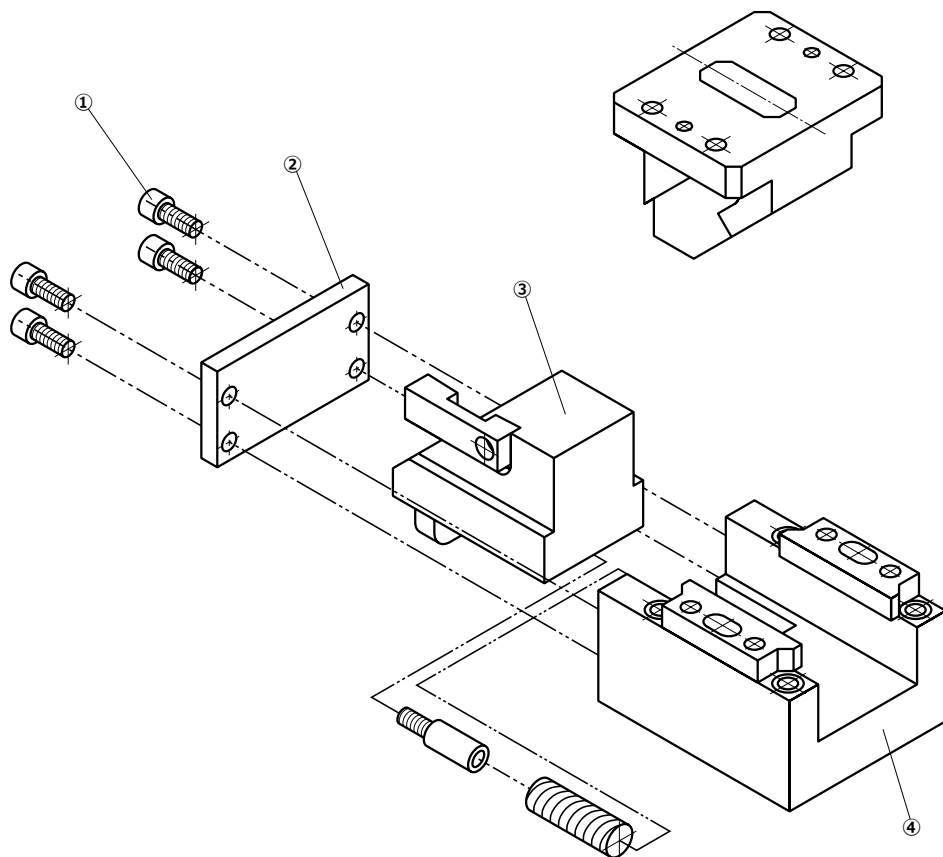
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

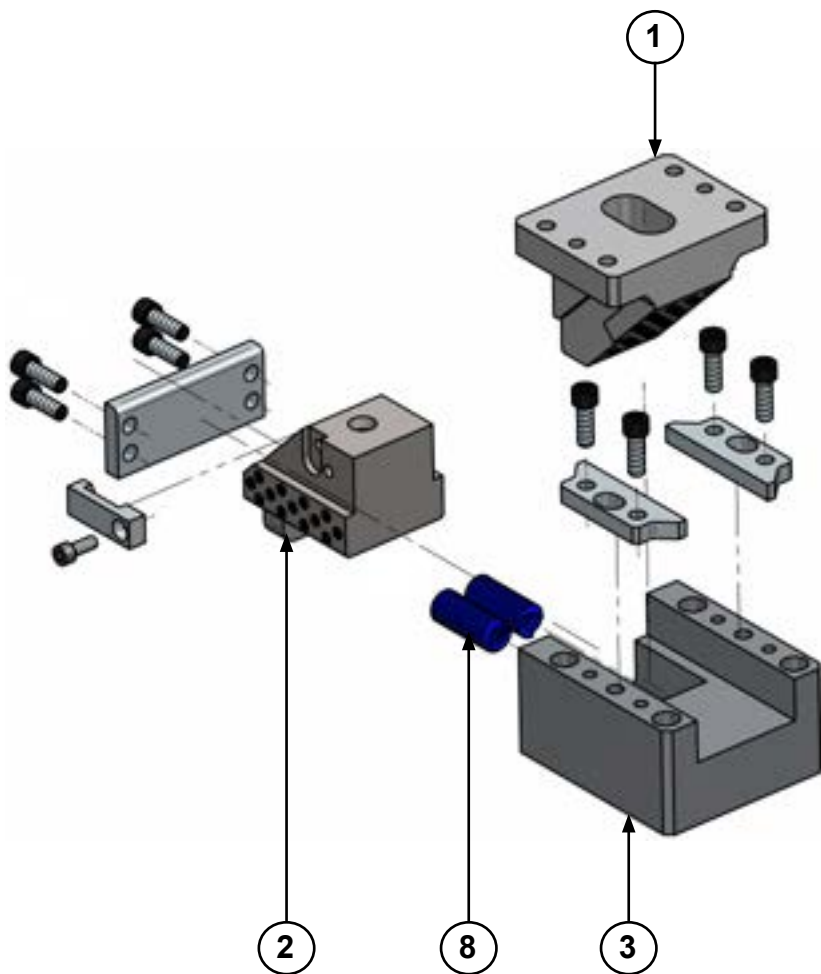
Assembling process

- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



LKCZ 0065

Die mounted cam for pierce and flange

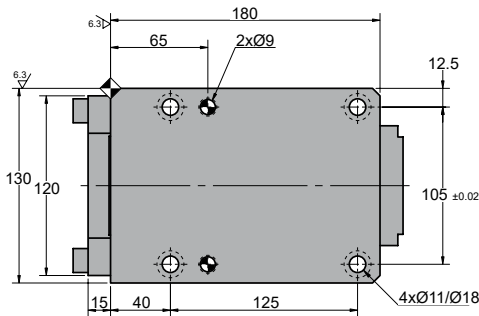
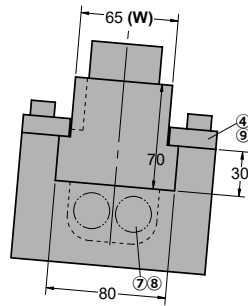
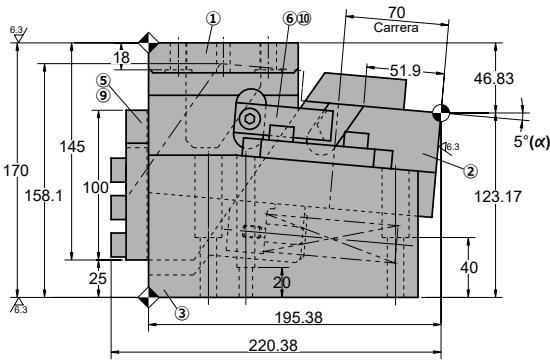
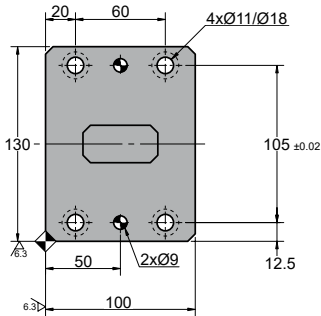


LKCZ 0065

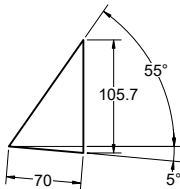
Die mounted cam for pierce and flange



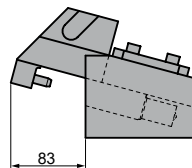
LKCZ 0065 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	19.6 (2.0)	39.2 (4.0)	190.4 (19.4)	974.4 (99.2)	22.2	LKCZ	0065	05




Order: Model (W) (α)

LKCZ 0065 05

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p>  <p>P10 - Ø10 H7</p>

Order Options: Model (W) (α)-Option



LKCZ 0065 05-P10



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

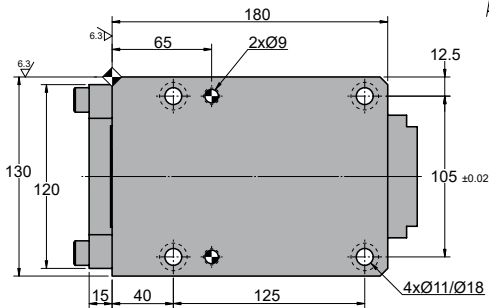
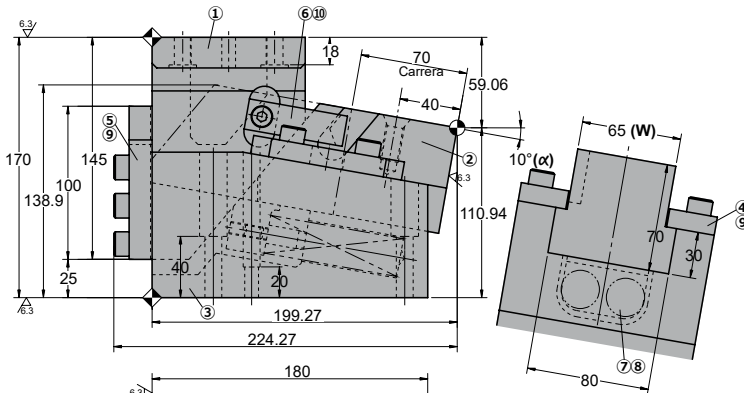
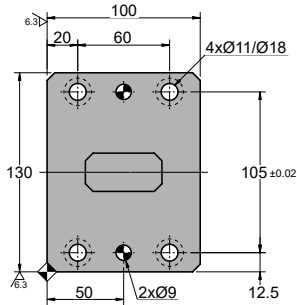
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF25-175
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20

LKCZ 0065

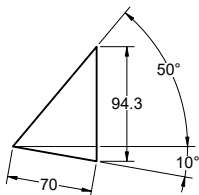
Die mounted cam for pierce and flange



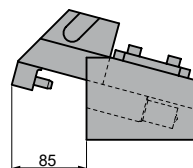
LKCZ 0065 10



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	19.6 (2.0)	39.2 (4.0)	190.4 (19.4)	974.4 (99.2)	20.5	LKCZ	0065	10



Order: Model (W) (α)

LKCZ 0065 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option



LKCZ 0065 10-P10



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

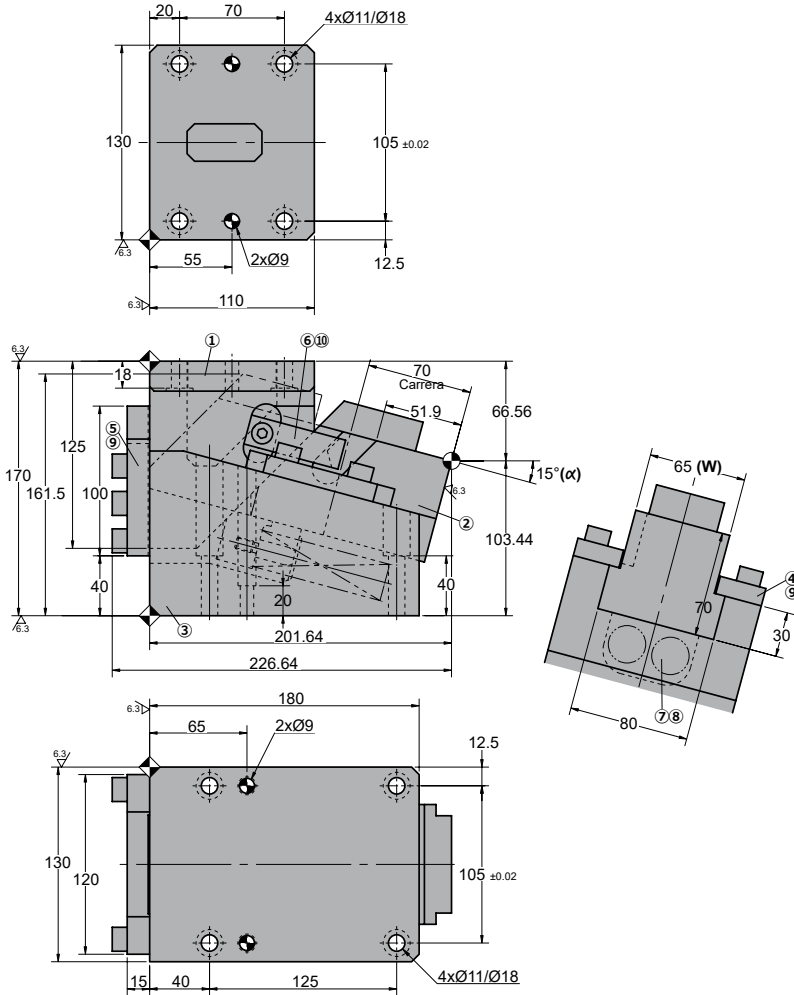
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF25-175
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20

LKCZ 0065

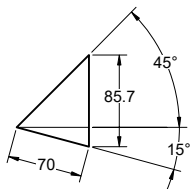
Die mounted cam for pierce and flange



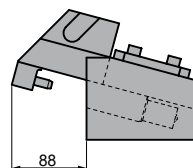
LKCZ 0065 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	19.6 (2.0)	39.2 (4.0)	190.4 (19.4)	974.4 (99.2)	22.3	LKCZ	0065	15



Order: Model (W) (α)

LKCZ 0065 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option



LKCZ 0065 15-P10



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

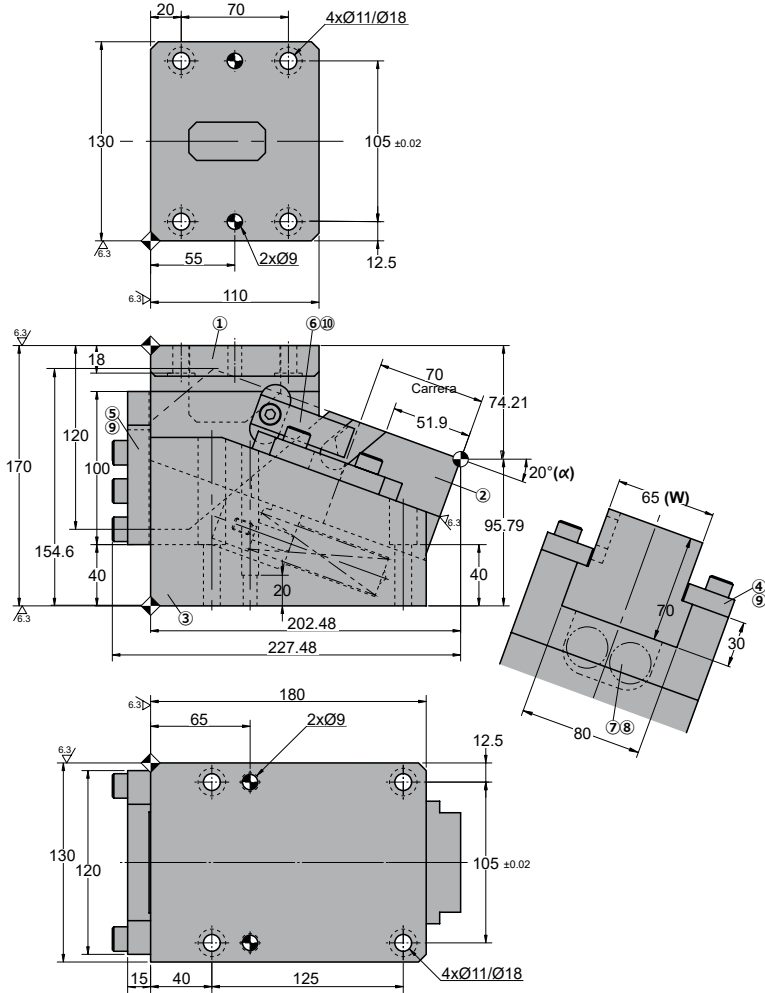
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF25-175
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20

LKCZ 0065

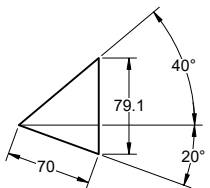
Die mounted cam for pierce and flange



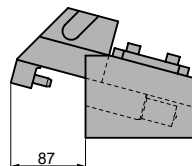
LKCZ 0065 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	19.6 (2.0)	39.2 (4.0)	190.4 (19.4)	974.4 (99.2)	21.3	LKCZ	0065	20



Order: Model (W) (α)

LKCZ 0065 20

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option



LKCZ 0065 20-P10



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF25-175
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20

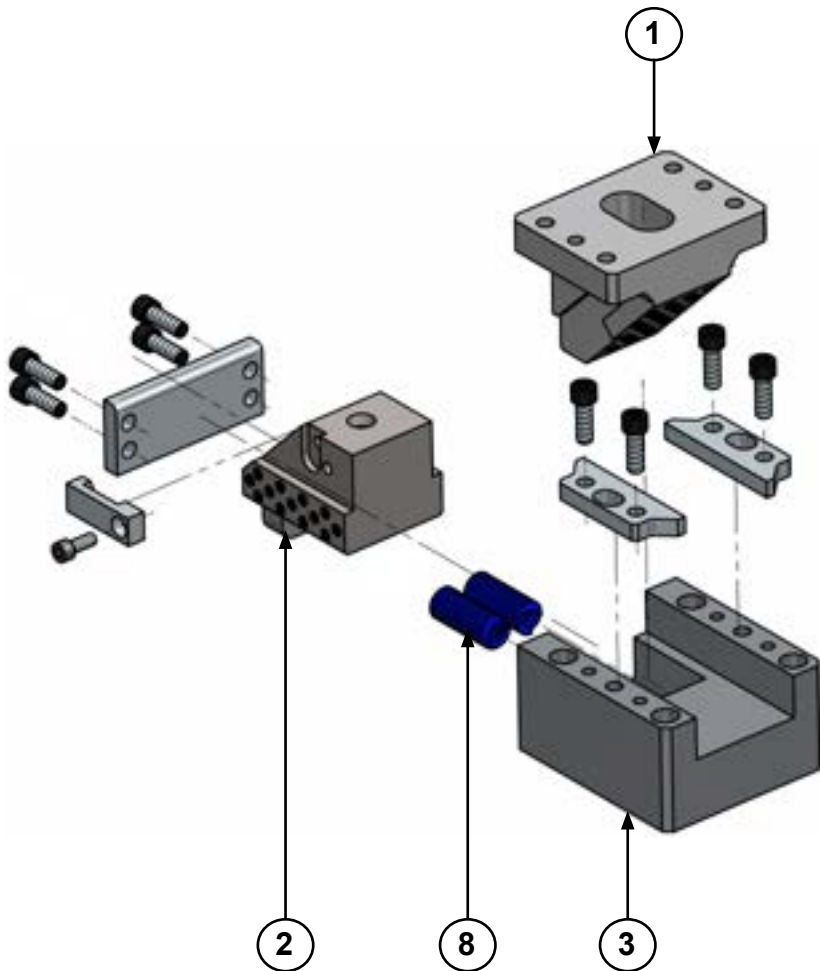
LKCZ 0065



Die mounted cam for pierce and flange

LKCZ 0100

Die mounted cam for pierce and flange

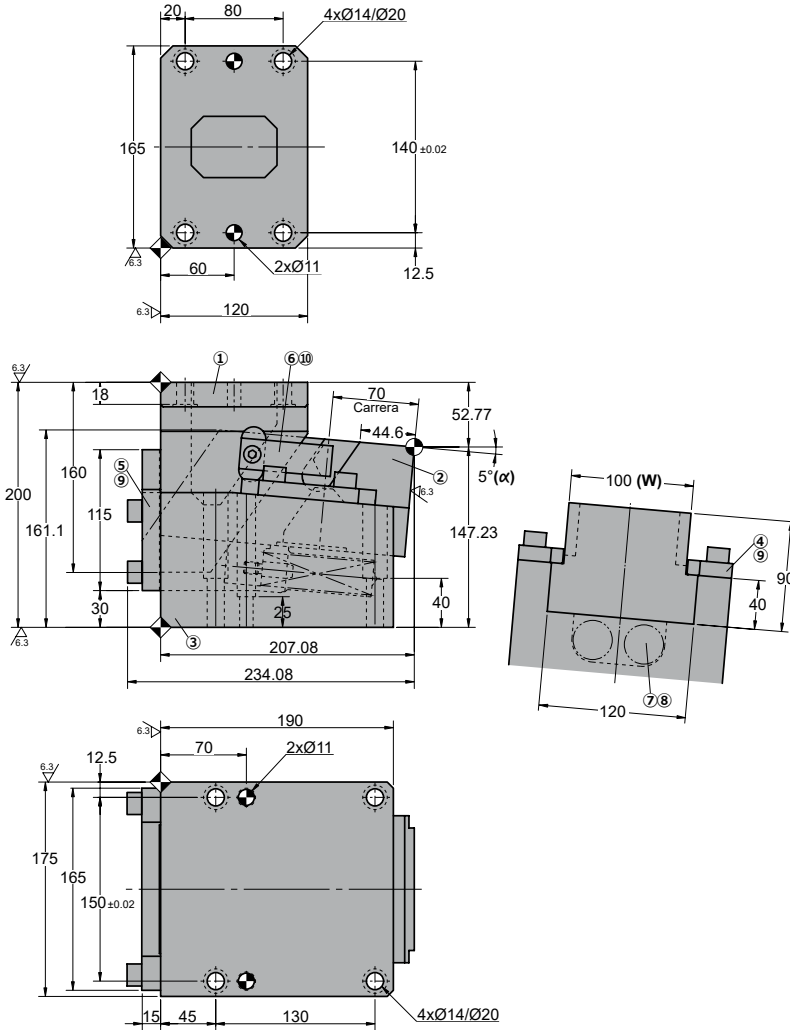


LKCZ 0100

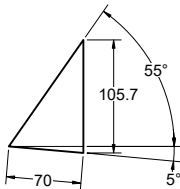
Die mounted cam for pierce and flange



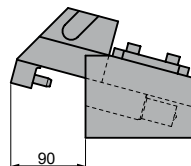
LKCZ 0100 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	39.2 (4.0)	78.4 (8.0)	197.2 (20.0)	1137.4 (116.6)	38.0	LKCZ	0100	05



Order: Model (W) (α)

LKCZ 0100 05

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option



LKCZ 0100 05-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

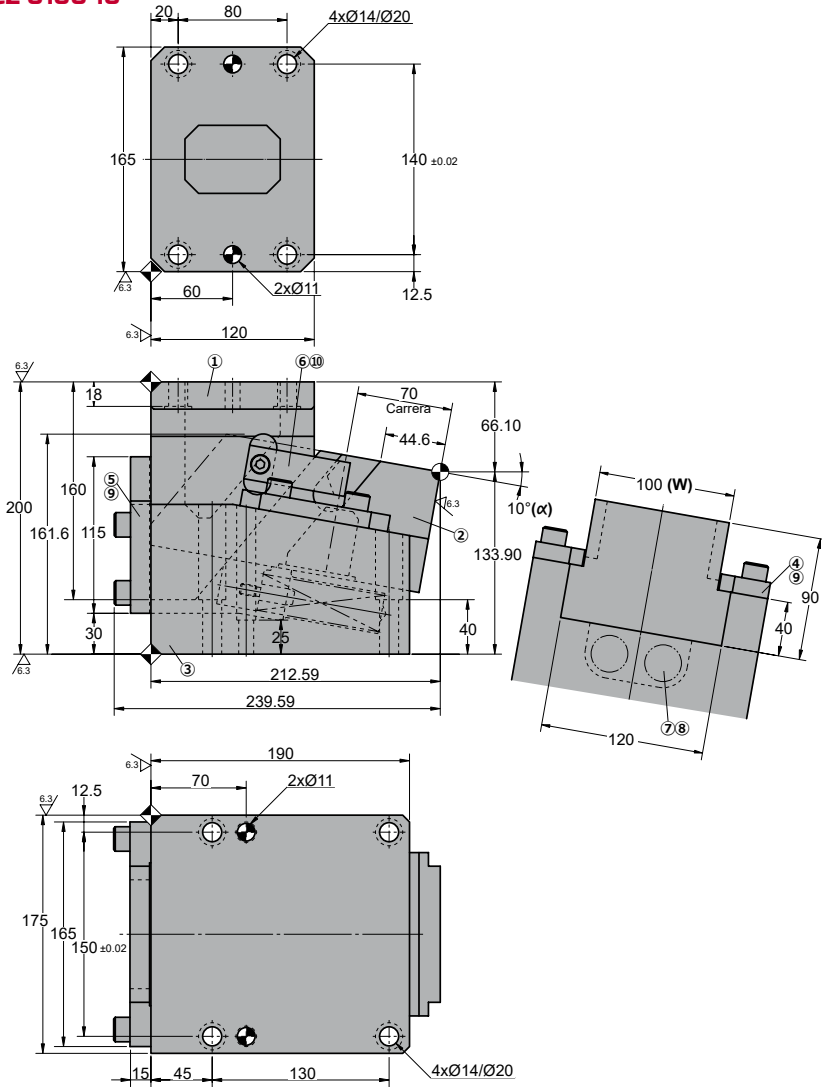
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-175
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25

LKCZ 0100

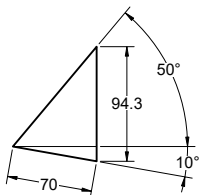
Die mounted cam for pierce and flange



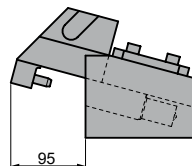
LKCZ 0100 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	39.2 (4.0)	78.4 (8.0)	197.2 (20.0)	1137.4 (116.6)	38.0	LKCZ	0100	10



Order: Model (W) (α)

LKCZ 0100 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option



LKCZ 0100 10-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

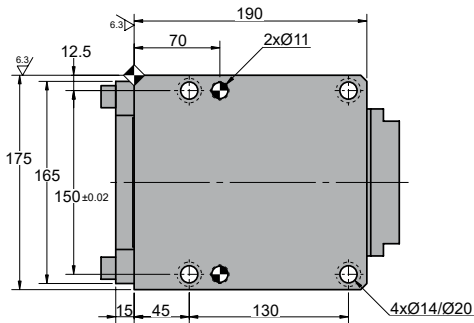
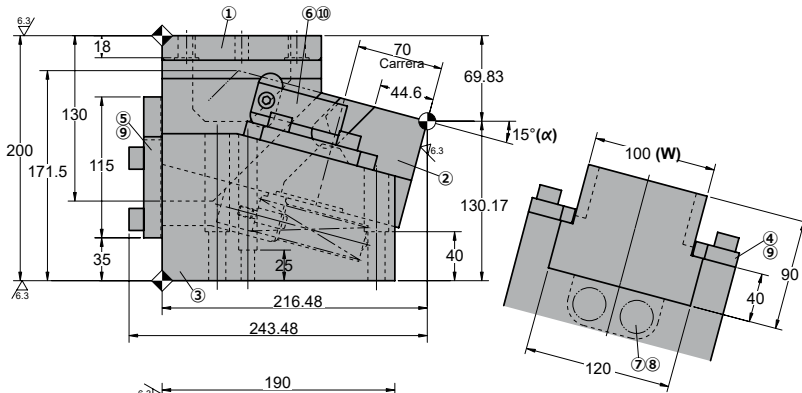
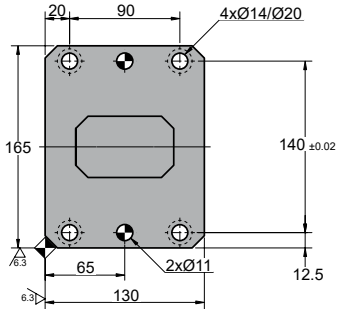
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-175
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25

LKCZ 0100

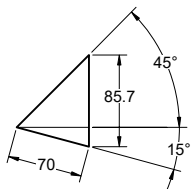
Die mounted cam for pierce and flange



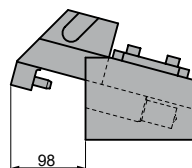
LKCZ 0100 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	39.2 (4.0)	78.4 (8.0)	197.2 (20.0)	1137.4 (116.6)	38.0	LKCZ	0100	15



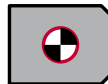
Order: Model (W) (α)

LKCZ 0100 15

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option



LKCZ 0100 15-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

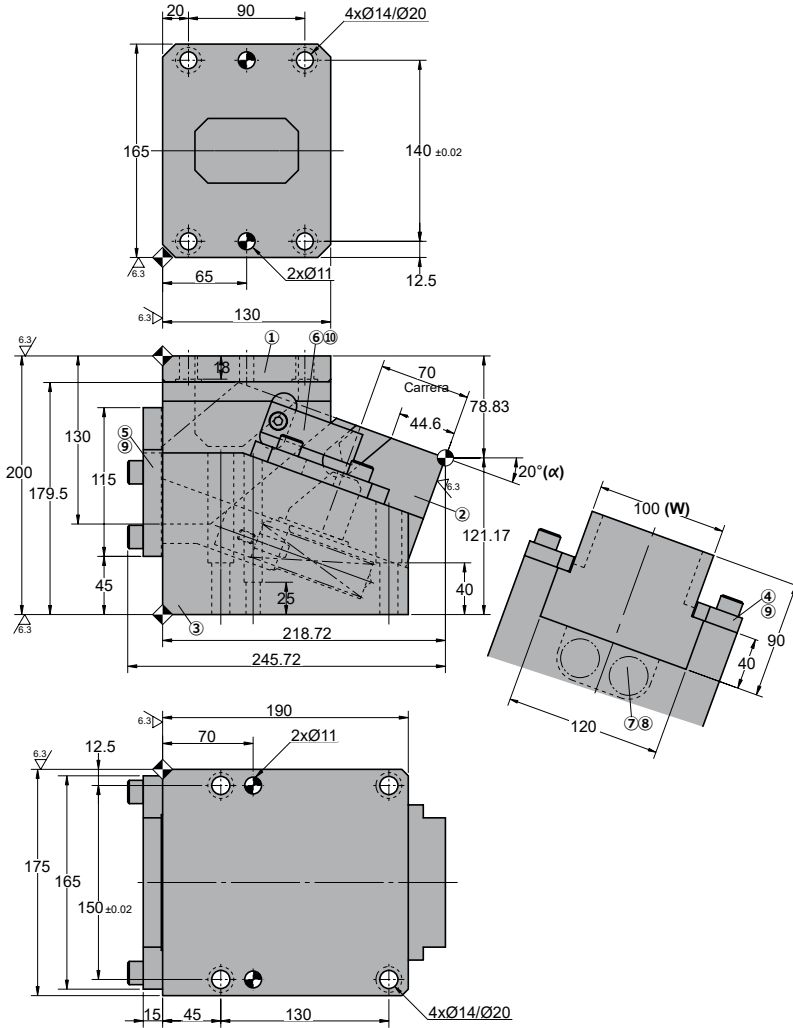
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-175
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25

LKCZ 0100

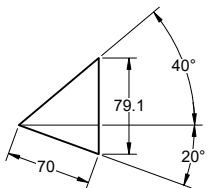
Die mounted cam for pierce and flange



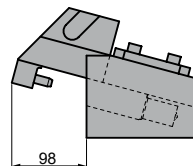
LKCZ 0100 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	39.2 (4.0)	78.4 (8.0)	197.2 (20.0)	1137.4 (116.6)	39.0	LKCZ	0100	20



Order: Model (W) (α)

LKCZ 0100 20

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option



LKCZ 0100 20-P13



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-175
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25

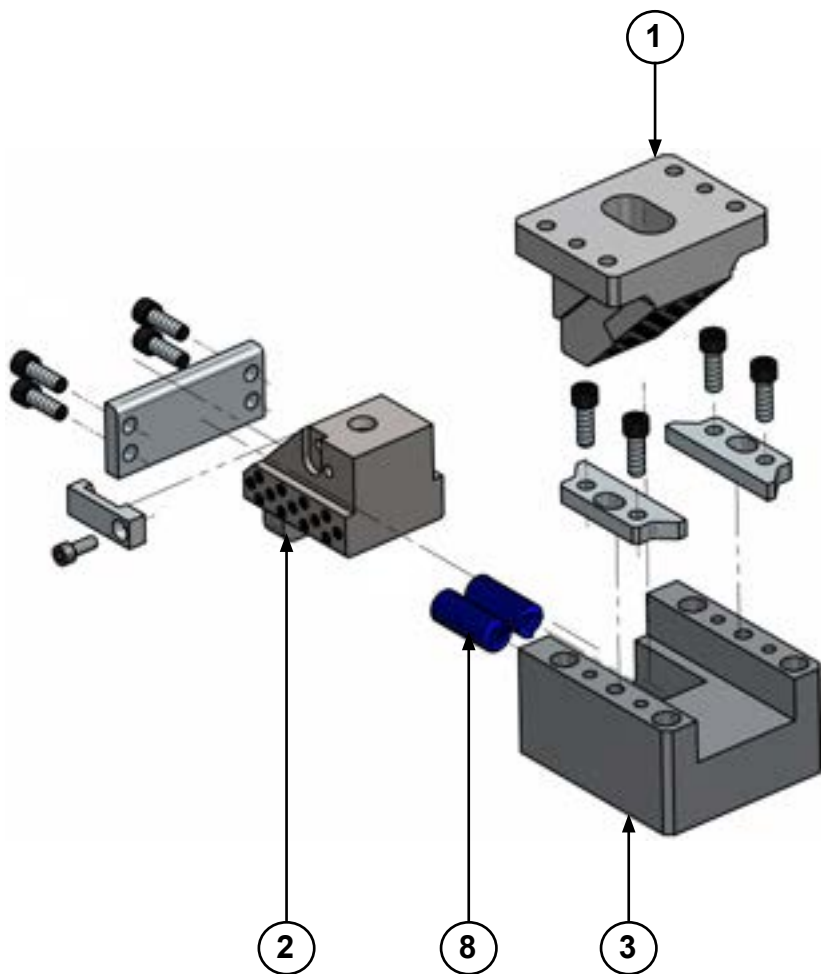
LKCZ 0100



Die mounted cam for pierce and flange

LKCZ 0150

Die mounted cam for pierce and flange

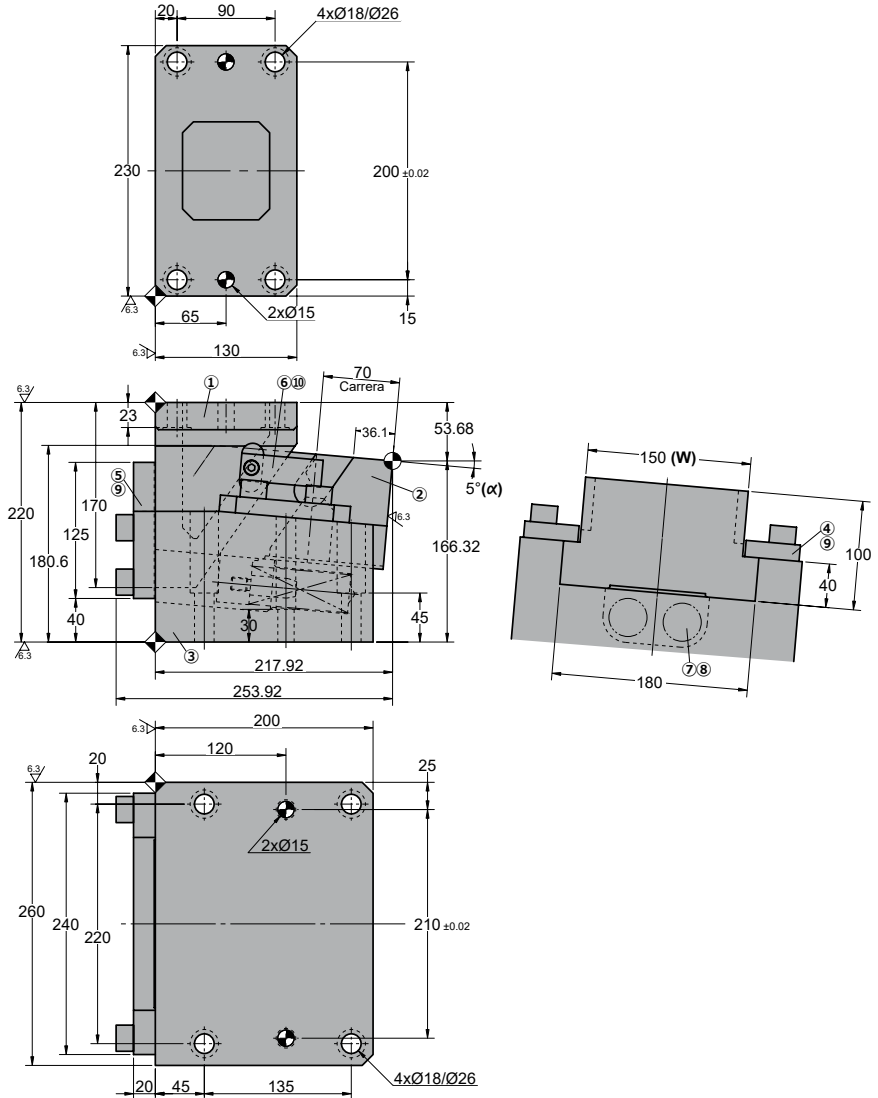


LKCZ 0150

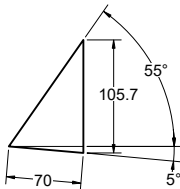
Die mounted cam for pierce and flange



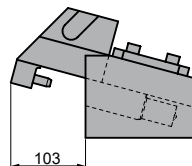
LKCZ 0150 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1841.3 (188.2)	73.0	LKCZ	0150	05




Order: Model (W) (α)

LKCZ 0150 05

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p>  <p>P16 - Ø16 H7</p>

Order Options: Model (W) (α)-Option



LKCZ 0150 05-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

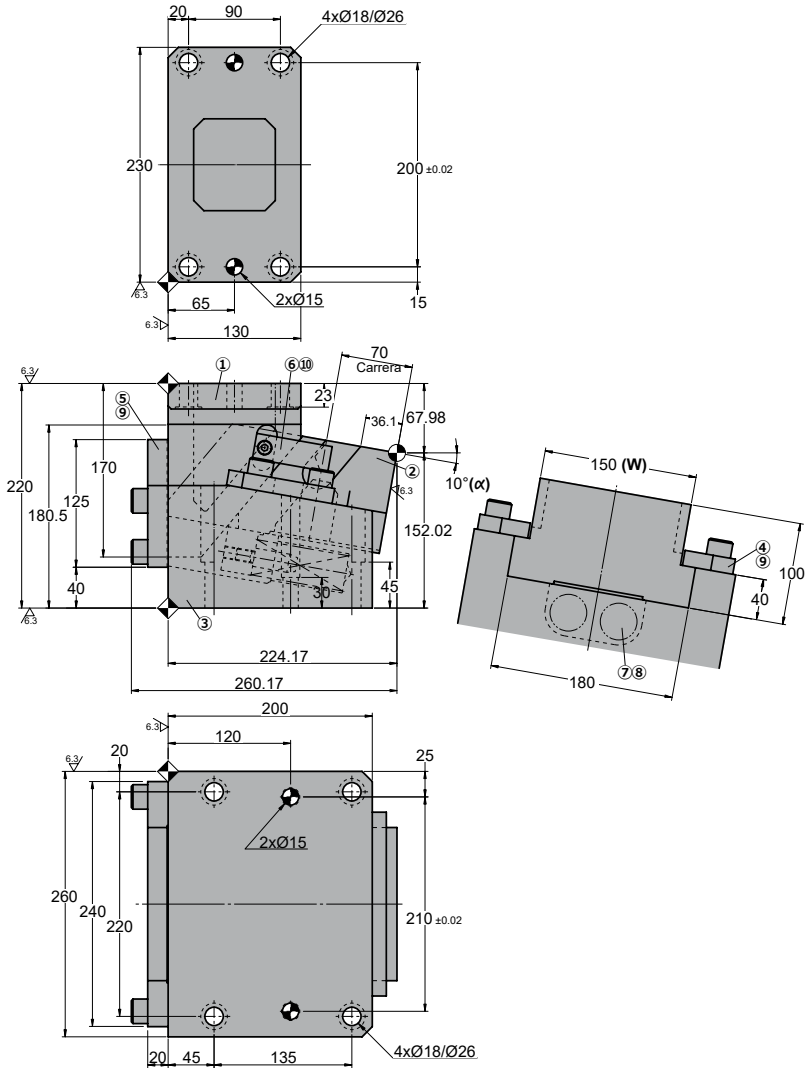
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-175
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25

LKCZ 0150

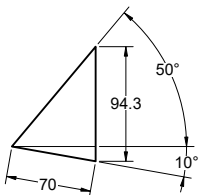
Die mounted cam for pierce and flange



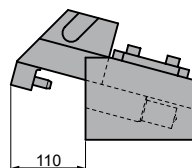
LKCZ 0150 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1841.3 (188.2)	73.0	LKCZ	0150	10




Order: Model (W) (α)

LKCZ 0150 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

	<p>P PINS</p>  <p>P16 - Ø16 H7</p>

Order Options: Model (W) (α)-Option



LKCZ 0150 10-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

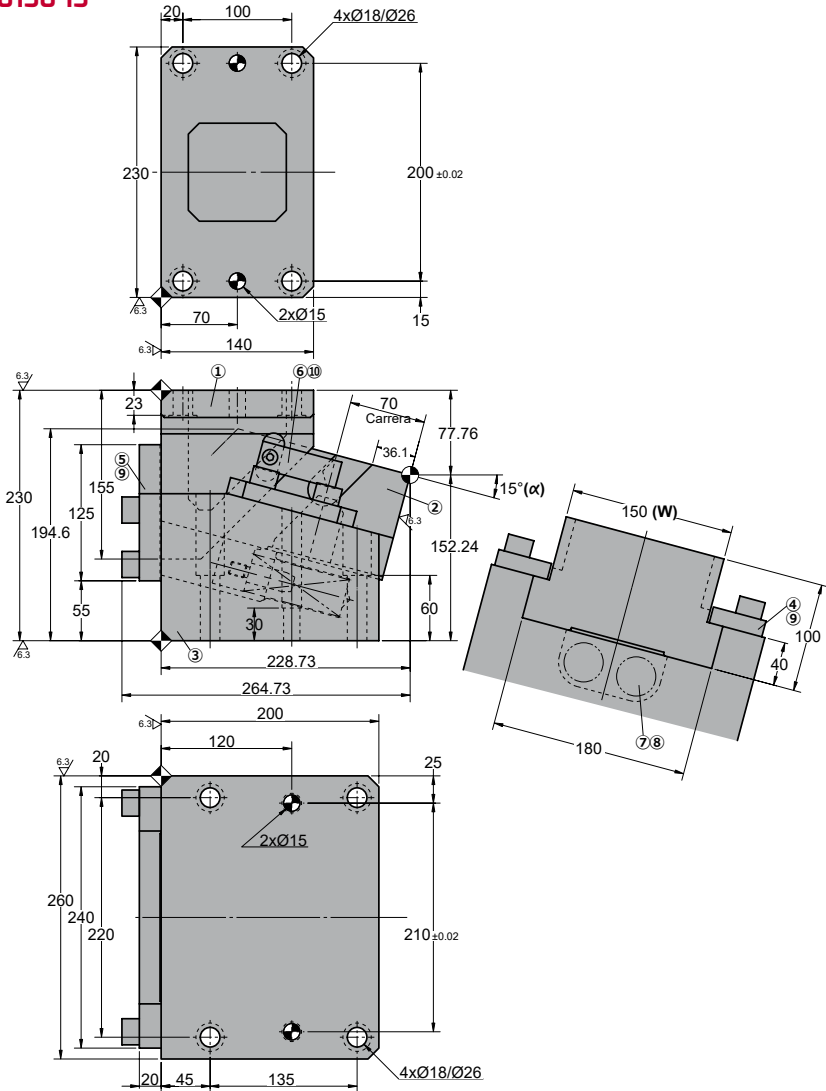
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-175
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25

LKCZ 0150

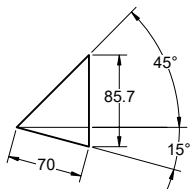
Die mounted cam for pierce and flange



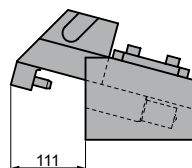
LKCZ 0150 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1841.3 (188.2)	77.0	LKCZ	0150	15



Order: Model (W) (α)

LKCZ 0150 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LKCZ 0150 15-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

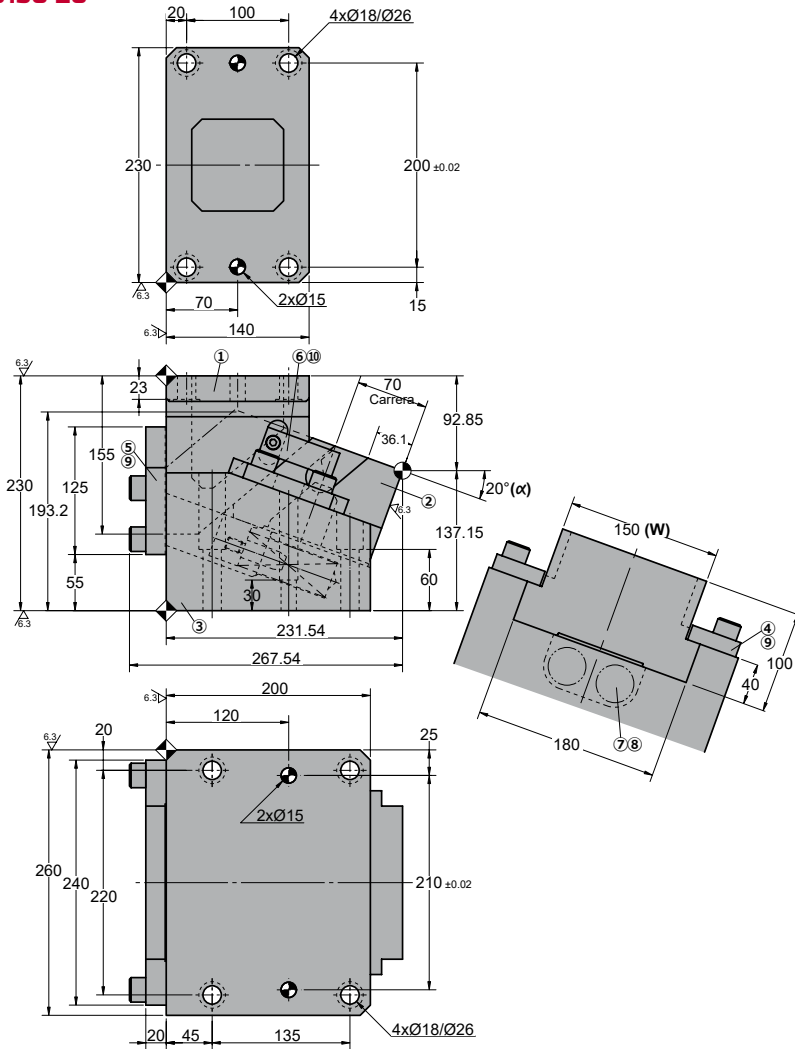
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-175
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25

LKCZ 0150

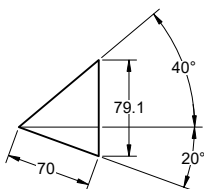
Die mounted cam for pierce and flange



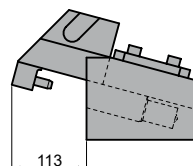
LKCZ 0150 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
70.0	64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1841.3 (188.2)	75	LKCZ	0150	20



Order: Model (W) (α)

LKCZ 0150 20

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LKCZ 0150 20-P16



SPARE PARTS:

⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-175
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25

LKCZ 0150



Die mounted cam for pierce and flange

General information



LSPJ 0050
LSPJ 0080
LSPJ 0150

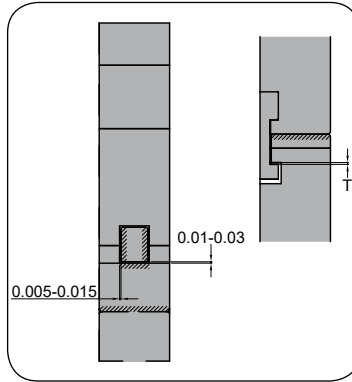


LSPJ 0200
LSPJ 0300

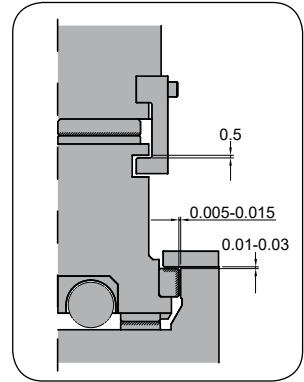
- Die mounted cam.
- Angles from 0° to 30° with increments of 5°.
- Rigid guides system.
- ISO springs are used.

Adjustment clearances

LSPJ 0050 / 0080



LSPJ 0150 / 0200 / 0300

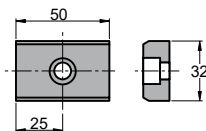


- T: 1,3 mm clearance for 50mm width and 1 mm for 80mm width.

Keys

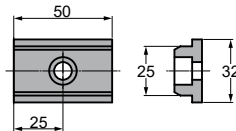
K

LSPJ 0050 / 0080 / 0150 / 0200 / 0300



KU

LSPJ 0050 / 0080 / 0150 / 0200 / 0300



LSPJ*Die mounted cam for pierce and flange***AZOL
GAS** 

Assembling and disassembling

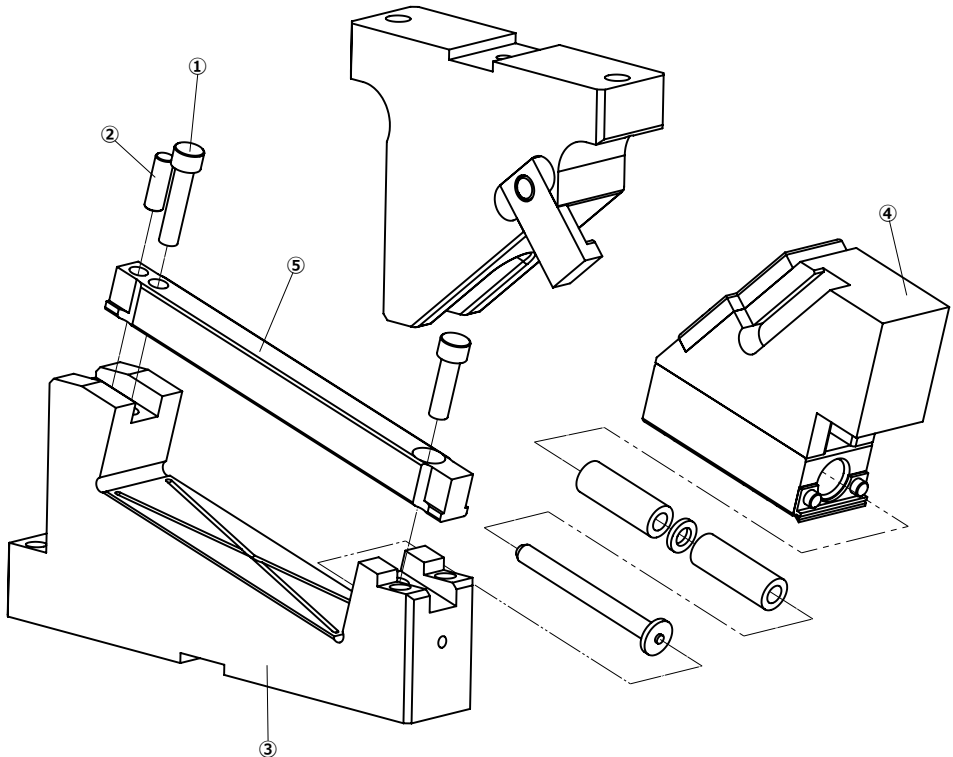
LSPJ 0050 / 0080

Disassembling process

- Unscrew ① pieces and remove the pin ②, Remove the holder ③ and guide bar ⑤ from slider ④.
- Move away the guide bar from cam holder.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

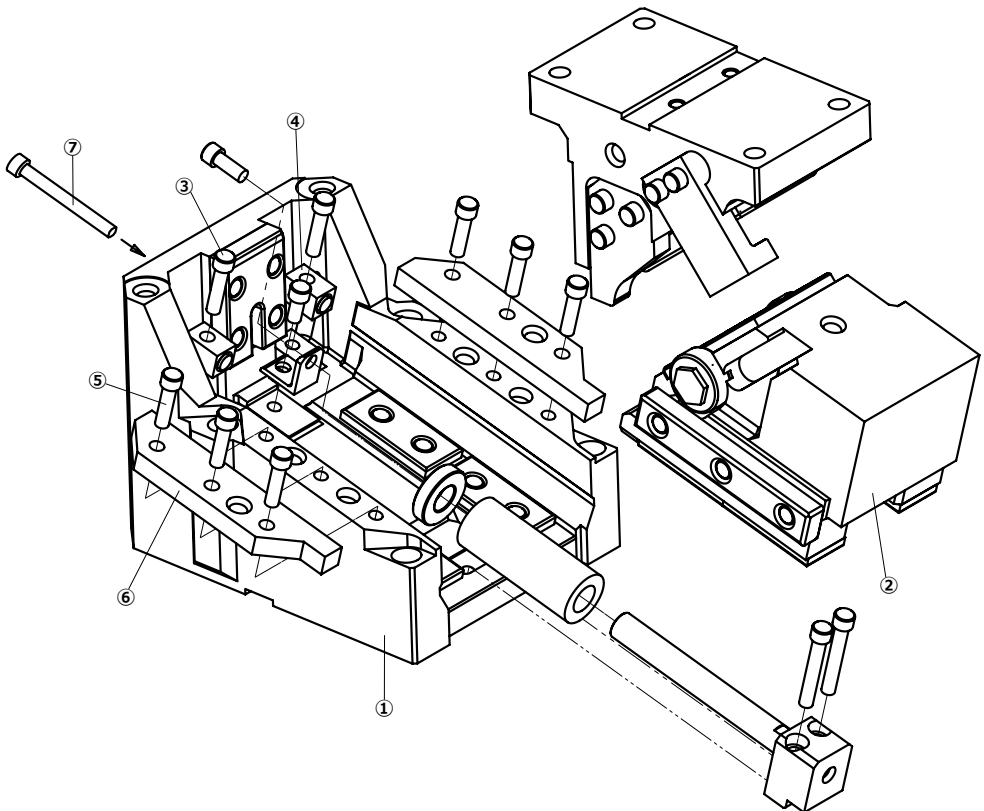
LSPJ 0150 / 0200 / 0300

Disassembling process

- Pull slider plate 20 mm, to unscrew ③ pieces and remove stoppers ④, unmount cam slider ② with the screws ⑦, unscrew ⑤ pieces and the plates ⑥.
- Move away the cam slider ② from cam holder ①.

Assembling process

- Asegúrese que no entra nada exterior entre las zonas deslizantes y los componentes.
- La holgura entre corredera y manivela están controladas.
- Hacer coincidir el estampado de los números de serie antes de ensamblarlos.
- Cuando se desmonta el conjunto y se vuelve a montar, no olvide volver a montar todos los tornillos y apretarlos.



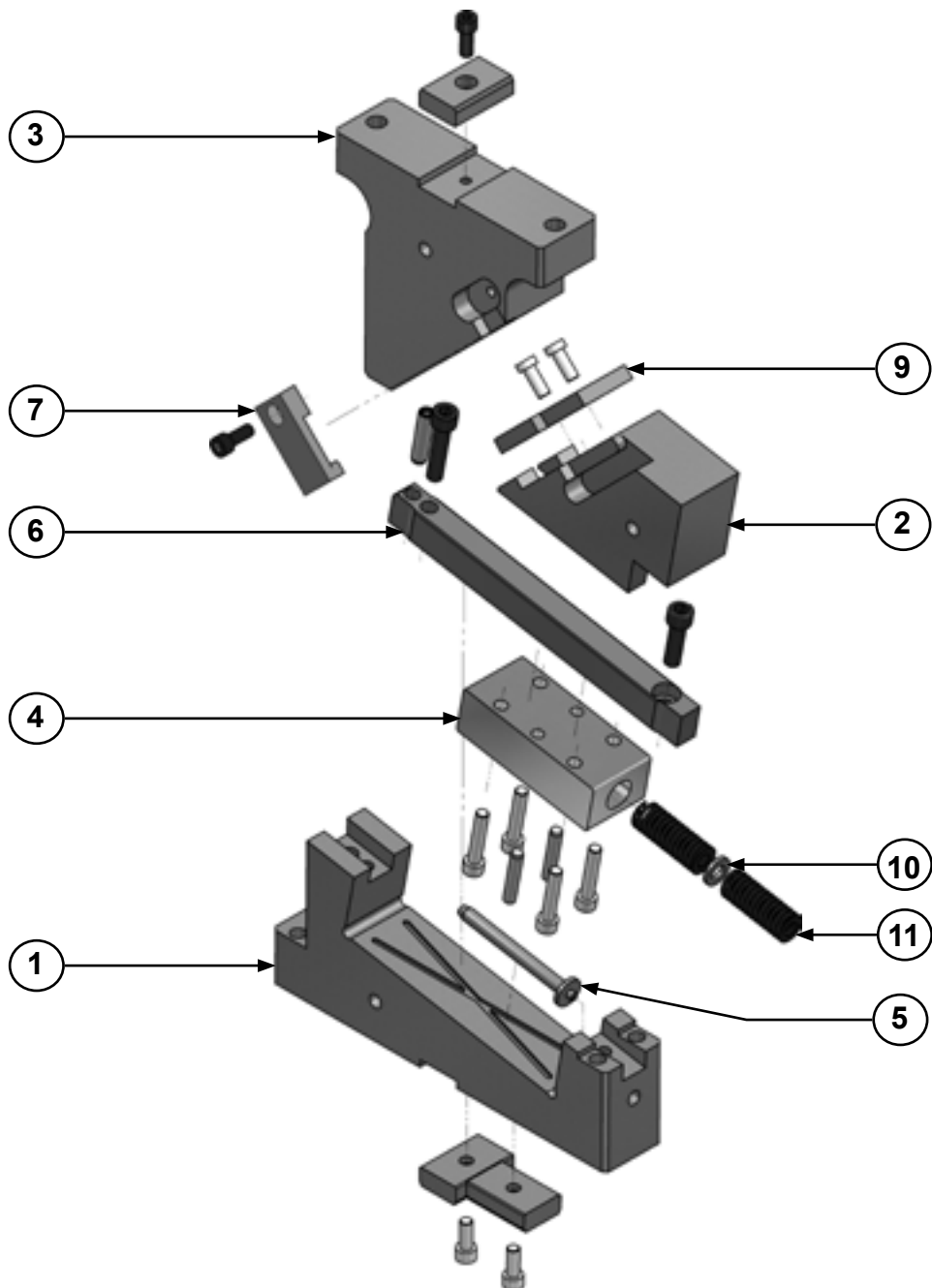
LSPJ

Die mounted cam for pierce and flange



LSPJ 0050

Die mounted cam for pierce and flange

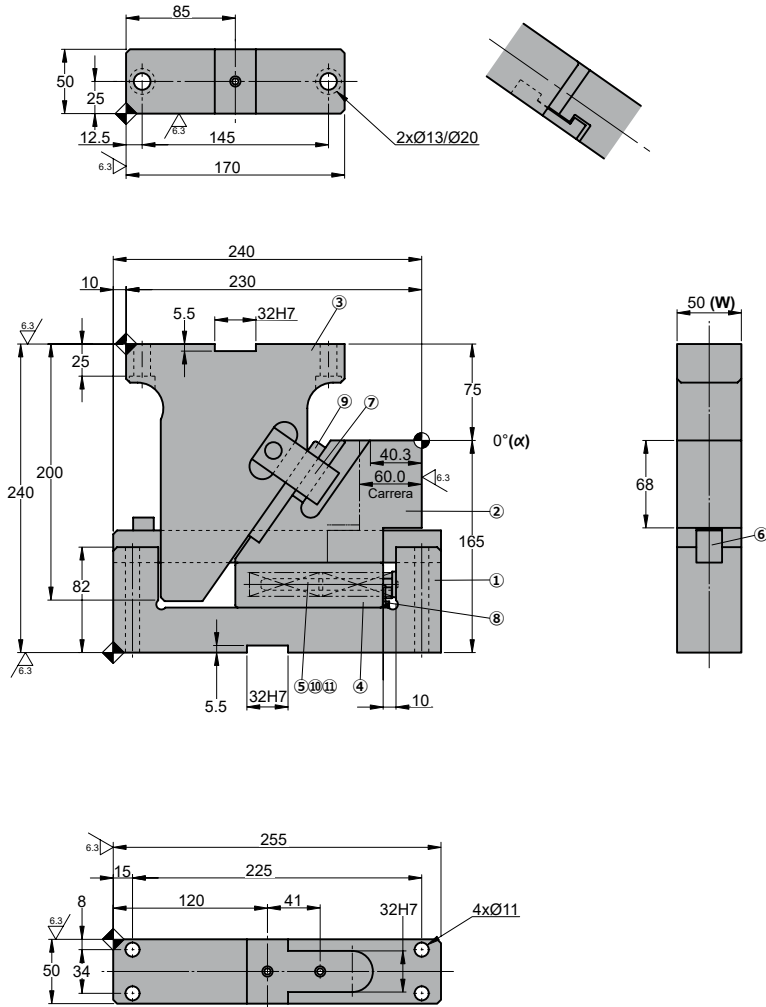


LSPJ 0050

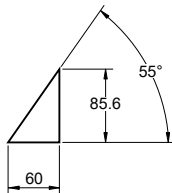
Die mounted cam for pierce and flange



LSPJ 0050 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	17.3	LSPJ	0050	00



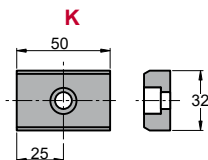
Order: Model (W) (α)

LSPJ 0050 00

Standard order example according to catalog sheet.
Add options applying options table contents.

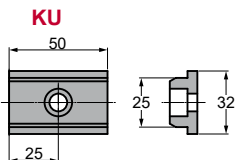
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



LSPJ 0050 00-K

LSPJ 0050 00-KU



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

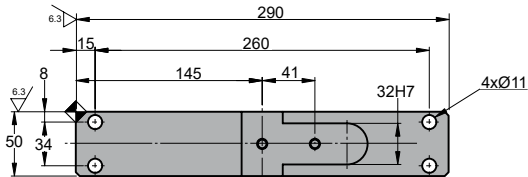
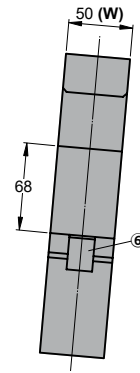
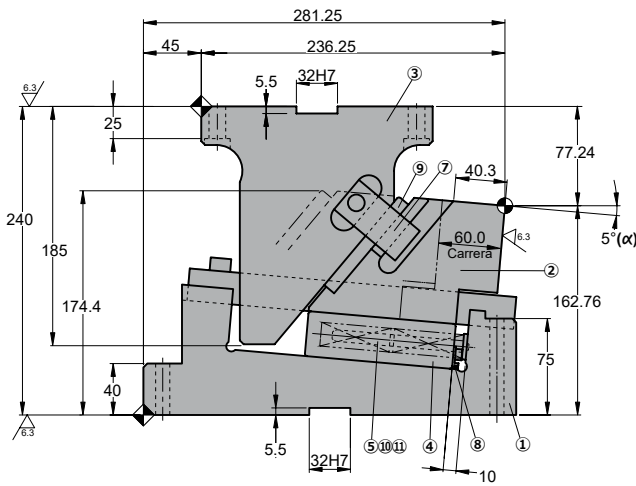
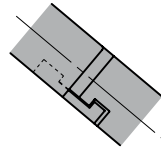
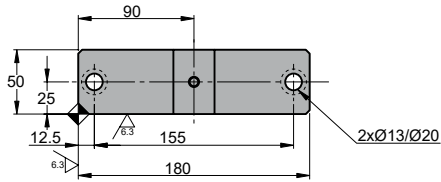
No.	Descripción	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Lower Slider	1	CK45 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	Bronce + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
Ⓘ	Coil Spring	2	TJL20-89

LSPJ 0050

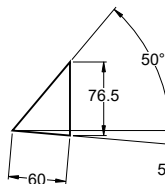
Die mounted cam for pierce and flange



LSPJ 0050 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	18.1	LSPJ	0050	05



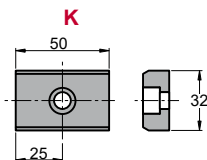
Order: Model (W) (α)

LSPJ 0050 05

Standard order example according to catalog sheet. Add options applying options table contents.

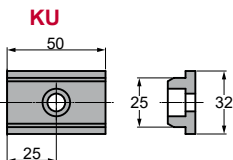
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



LSPJ 0050 05-K

LSPJ 0050 05-KU



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Lower Slider	1	CK45 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	Bronce + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
Ⓘ	Coil Spring	2	TJL20-89

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	18.5	LSPJ	0050	10



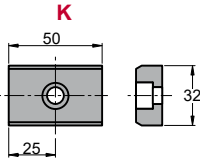
Order: Model (W) (α)

LSPJ 0050 10

Standard order example according to catalog sheet.
Add options applying options table contents.

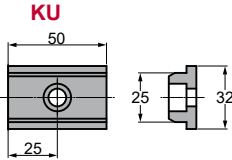
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



LSPJ 0050 10-K

LSPJ 0050 10-KU



SPARE PARTS:

⑪ Coil Spring

COMPONENTS

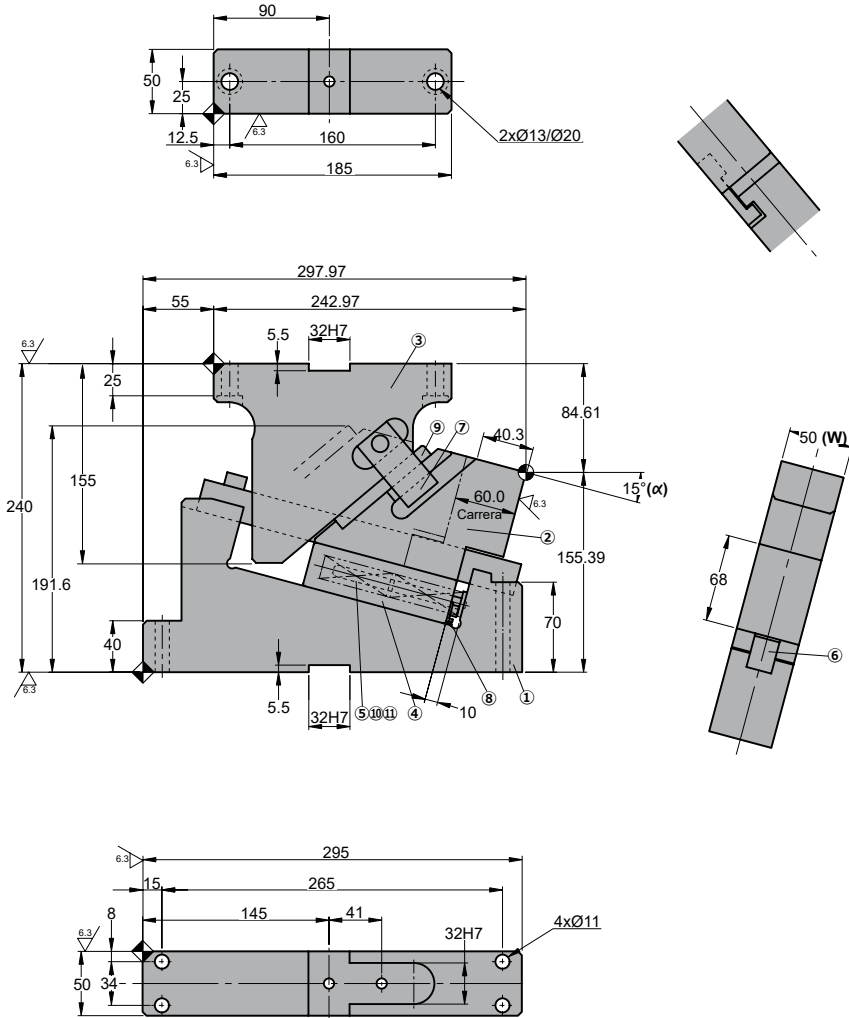
No.	Descripción	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Lower Slider	1	CK45 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	Bronce + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

LSPJ 0050

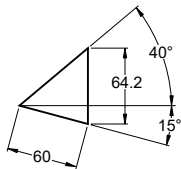
Die mounted cam for pierce and flange



LSPJ 0050 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	19.2	LSPJ	0050	15



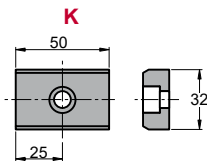
Order: Model (W) (α)

LSPJ 0050 15

Standard order example according to catalog sheet.
Add options applying options table contents.

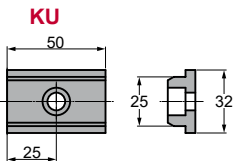
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



LSPJ 0050 15-K

LSPJ 0050 15-KU



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Lower Slider	1	CK45 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	Bronce + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
Ⓘ	Coil Spring	2	TJL20-89

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	19.8	LSPJ	0050	20



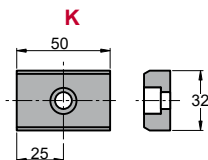
Order: Model (W) (α)

LSPJ 0050 20

Standard order example according to catalog sheet.
Add options applying options table contents.

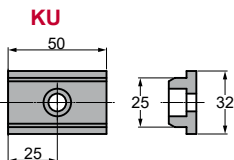
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



LSPJ 0050 20-K

LSPJ 0050 20-KU



SPARE PARTS:

Ⓘ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Lower Slider	1	CK45 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	Bronce + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
Ⓘ	Coil Spring	2	TJL20-89

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	20.0	LSPJ	0050	25



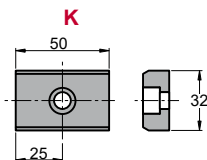
Order: Model (W) (α)

LSPJ 0050 25

Standard order example according to catalog sheet.
Add options applying options table contents.

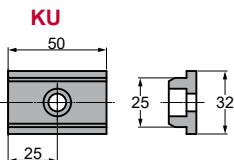
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



LSPJ 0050 25-K

LSPJ 0050 25-KU



SPARE PARTS:

Ⓜ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Lower Slider	1	CK45 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	Bronce + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
Ⓜ	Coil Spring	2	TJL20-89

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	20.4	LSPJ	0050	30



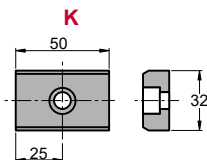
Order: Model (W) (α)

LSPJ 0050 30

Standard order example according to catalog sheet.
Add options applying options table contents.

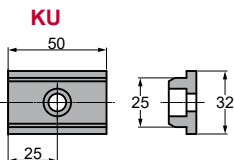
OPTIONS

K - KU



3 x M8x15

KEY



Order Options: Model (W) (α)-Option



LSPJ 0050 30-K

LSPJ 0050 30-KU



SPARE PARTS:

⑪ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Lower Slider	1	CK45 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	Bronce + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

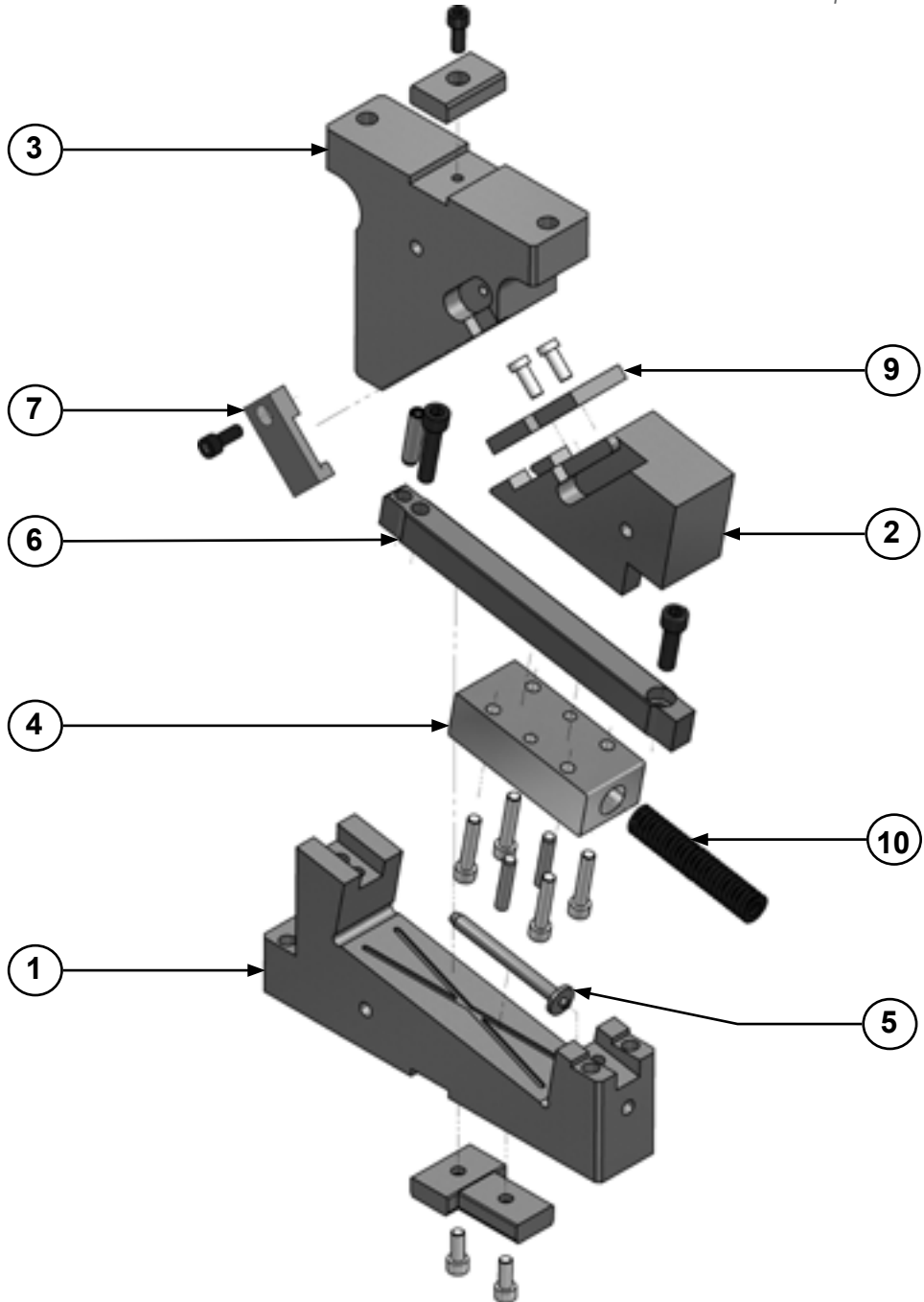
LSPJ 0050



Die mounted cam for pierce and flange

LSPJ 0080

Die mounted cam for pierce and flange

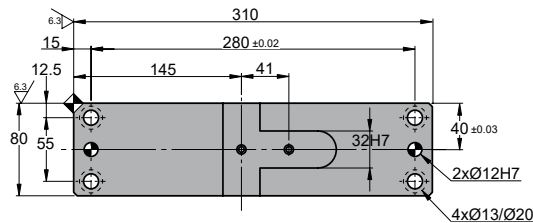
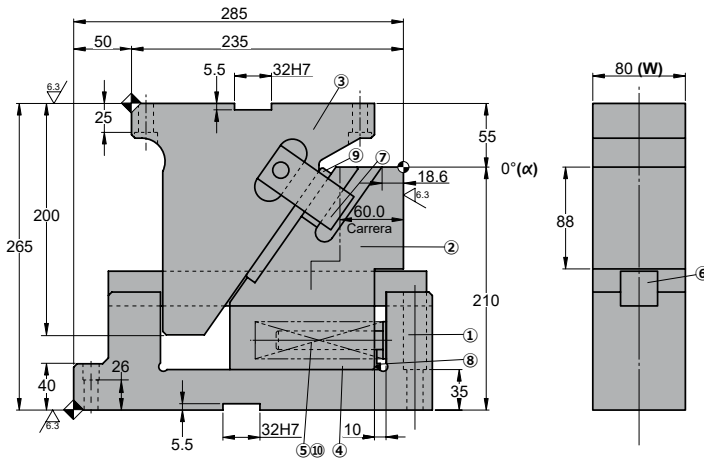
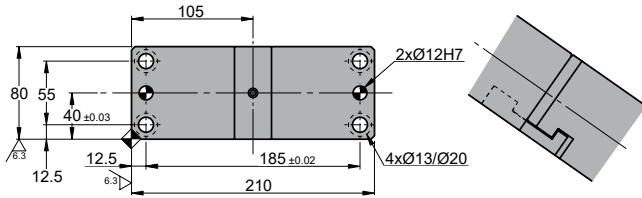


LSPJ 0080

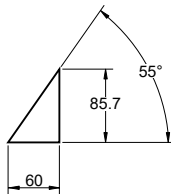
Die mounted cam for pierce and flange



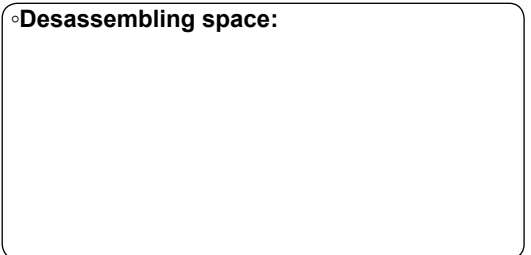
LSPJ 0080 00



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	33.2	LSPJ	0080	00



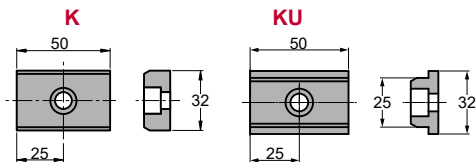
Order: Model (W) (α)

LSPJ 0080 00

Standard order example according to catalog sheet.
Add options applying options table contents.

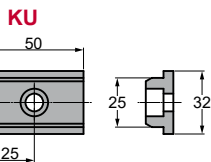
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option



LSPJ 0080 00-K

LSPJ 0080 00-KU

LSPJ 0080 00-K-P13



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Lower Slider	1	Bronce + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	CK45 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	33.5	LSPJ	0080	05



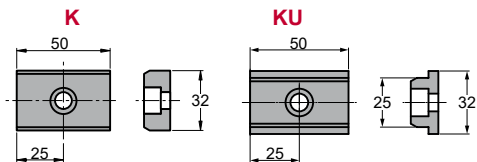
Order: Model (W) (α)

LSPJ 0080 05

Standard order example according to catalog sheet.
Add options applying options table contents.

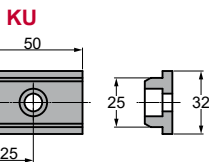
OPTIONS

K - KU

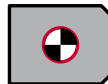


3 x M8x15

KEY



P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option



LSPJ 0080 05-K

LSPJ 0080 05-KU

LSPJ 0080 05-K-P13



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Lower Slider	1	Bronce + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	CK45 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	34.4	LSPJ	0080	10



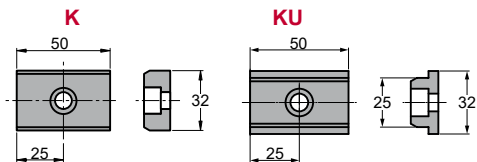
Order: Model (W) (α)

LSPJ 0080 10

Standard order example according to catalog sheet.
Add options applying options table contents.

OPTIONS

K - KU



3 x M8x15

P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option



LSPJ 0080 10-K

LSPJ 0080 10-KU

LSPJ 0080 10-K-P13



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Lower Slider	1	Bronce + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	CK45 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	35.1	LSPJ	0080	15



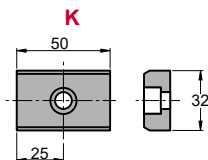
Order: Model (W) (α)

LSPJ 0080 15

Standard order example according to catalog sheet.
Add options applying options table contents.

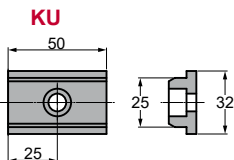
OPTIONS

K - KU

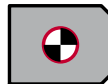


3 x M8x15

KEY



P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option



LSPJ 0080 15-K

LSPJ 0080 15-KU

LSPJ 0080 15-K-P13



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

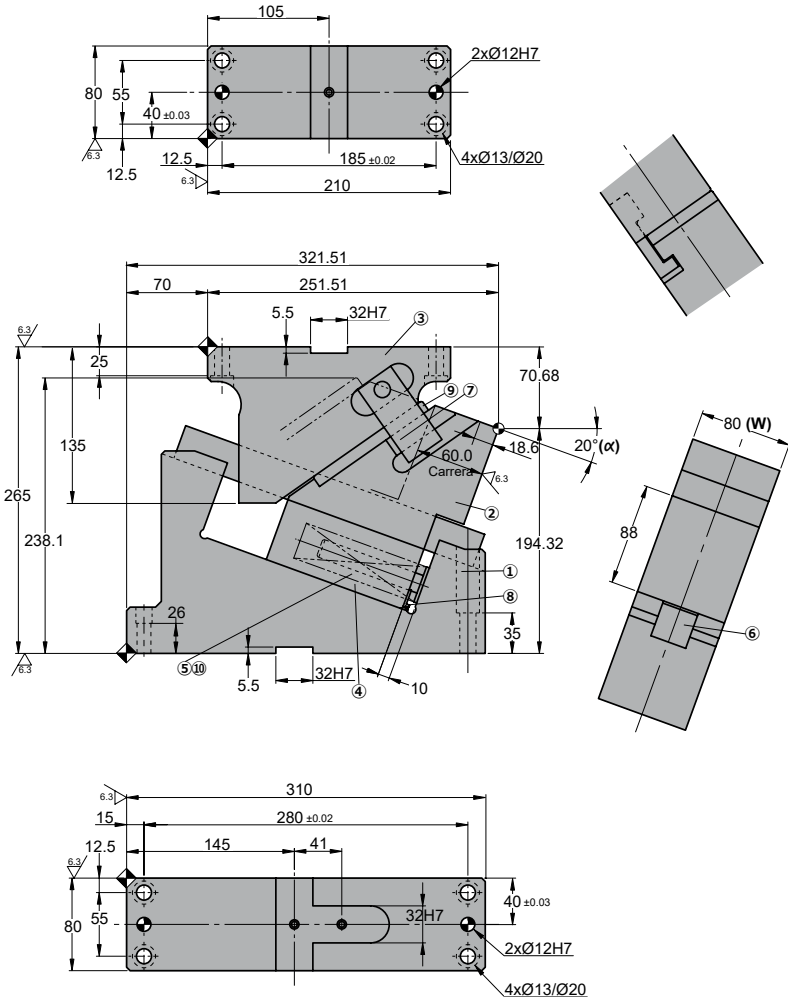
No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Lower Slider	1	Bronce + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	CK45 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

LSPJ 0080

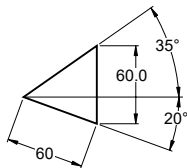
Die mounted cam for pierce and flange



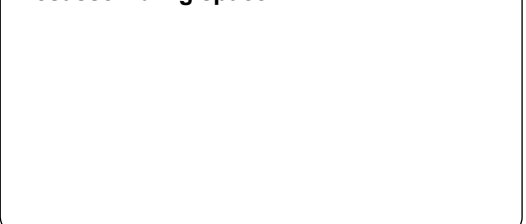
LSPJ 0080 20



Cam diagram:



Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	35.6	LSPJ	0080	20



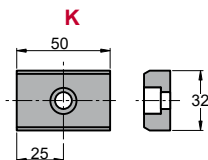
Order: Model (W) (α)

LSPJ 0080 20

Standard order example according to catalog sheet.
Add options applying options table contents.

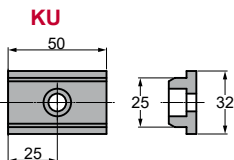
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option



LSPJ 0080 20-K

LSPJ 0080 20-KU

LSPJ 0080 20-K-P13



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

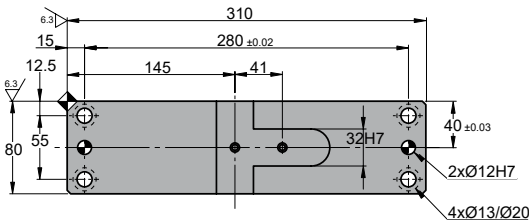
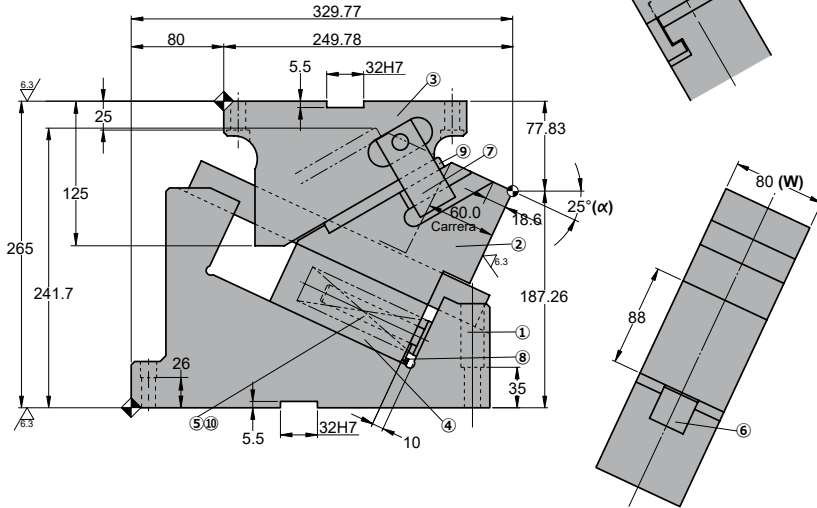
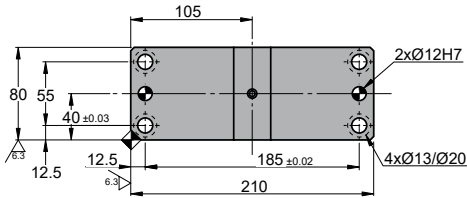
No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Lower Slider	1	Bronce + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	CK45 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

LSPJ 0080

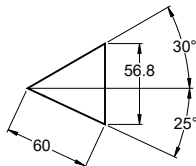
Die mounted cam for pierce and flange



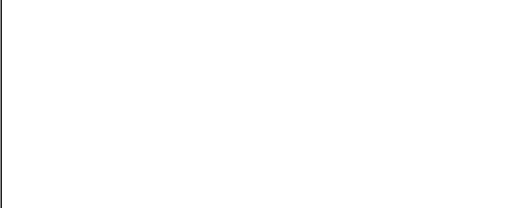
LSPJ 0080 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	36.3	LSPJ	0080	25



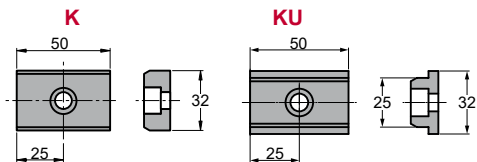
Order: Model (W) (α)

LSPJ 0080 25

Standard order example according to catalog sheet.
Add options applying options table contents.

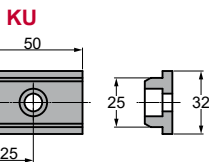
OPTIONS

K - KU

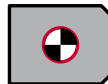


3 x M8x15

KEY



P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option



LSPJ 0080 25-K

LSPJ 0080 25-KU

LSPJ 0080 25-K-P13



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

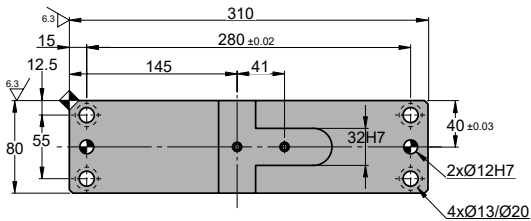
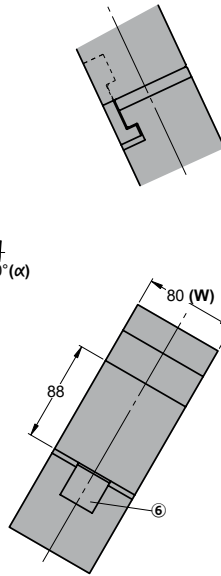
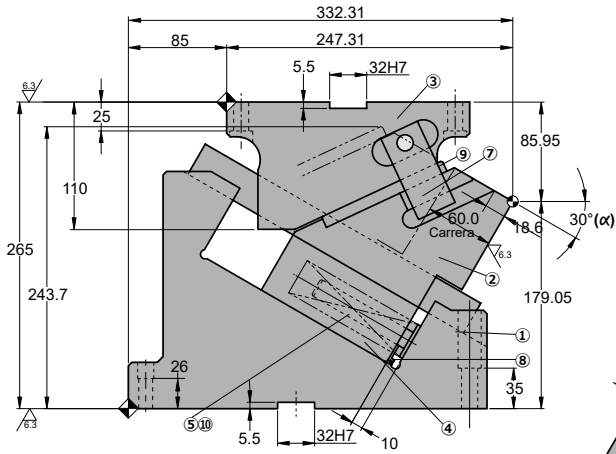
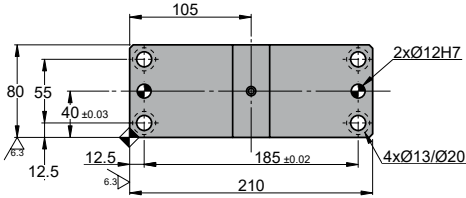
No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Lower Slider	1	Bronce + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	CK45 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

LSPJ 0080

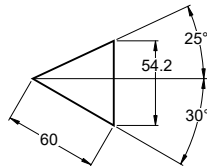
Die mounted cam for pierce and flange



LSPJ 0080 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	36.7	LSPJ	0080	30



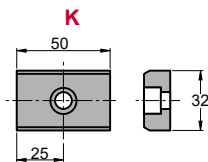
Order: Model (W) (α)

LSPJ 0080 30

Standard order example according to catalog sheet.
Add options applying options table contents.

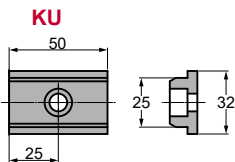
OPTIONS

K - KU



3 x M8x15

KEY



P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option



LSPJ 0080 30-K

LSPJ 0080 30-KU

LSPJ 0080 30-K-P13



SPARE PARTS:

⑩ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Lower Slider	1	Bronce + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	CK45 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

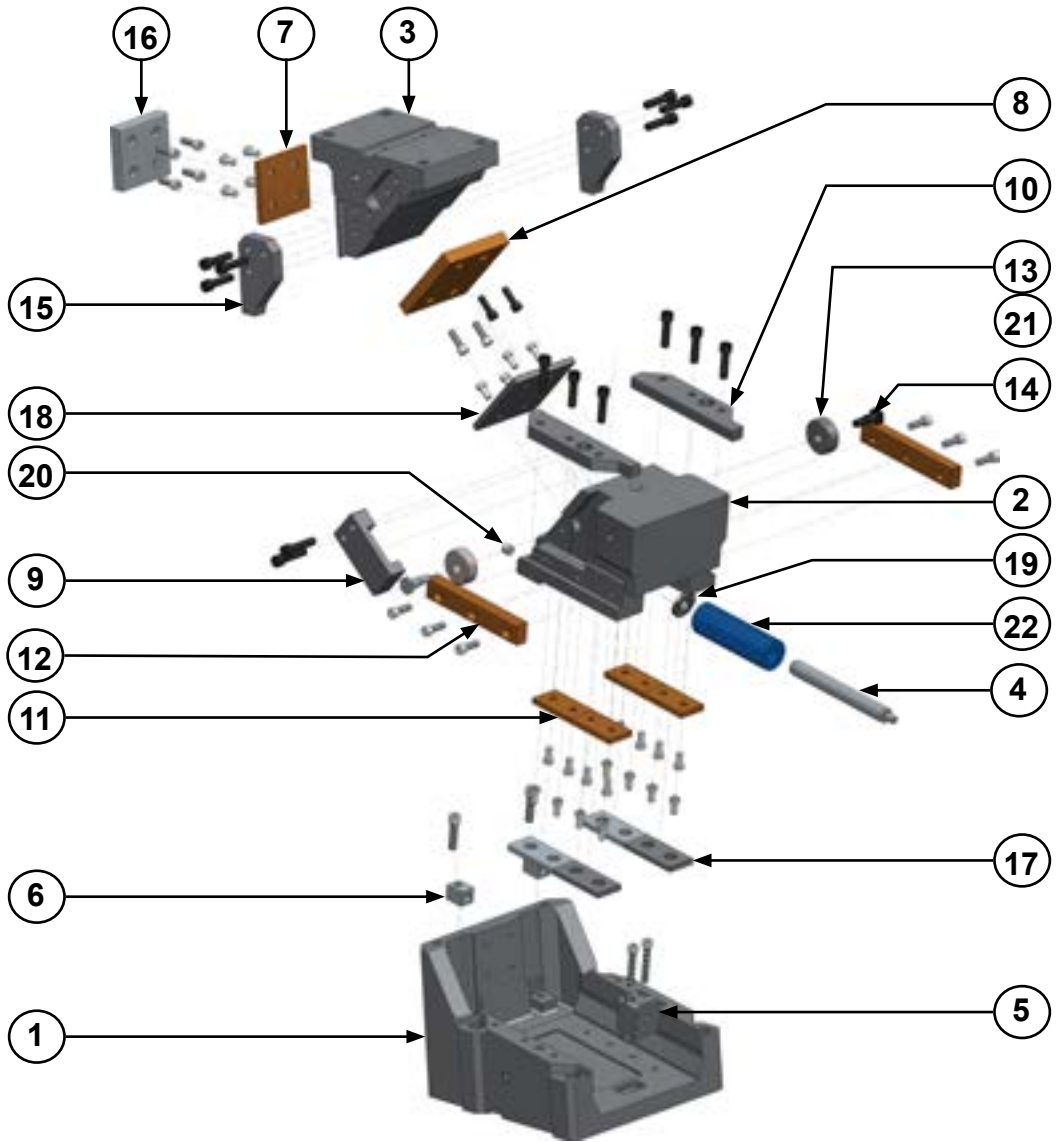
LSPJ 0080



Die mounted cam for pierce and flange

LSPJ 0150

Die mounted cam for pierce and flange

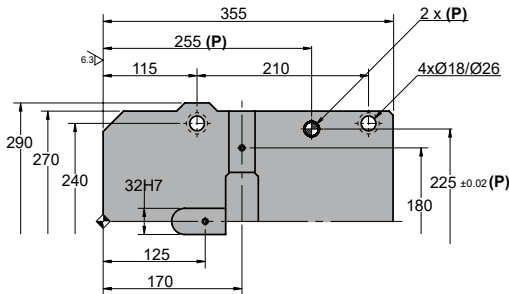
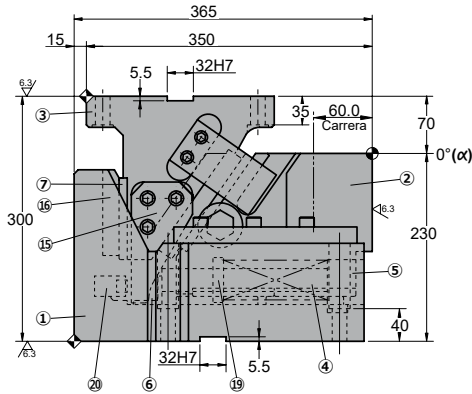
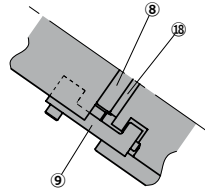
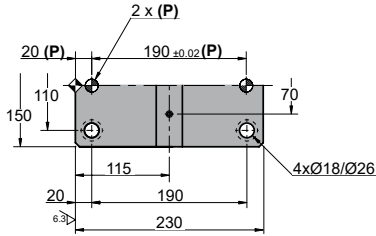


LSPJ 0150

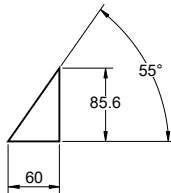
Die mounted cam for pierce and flange



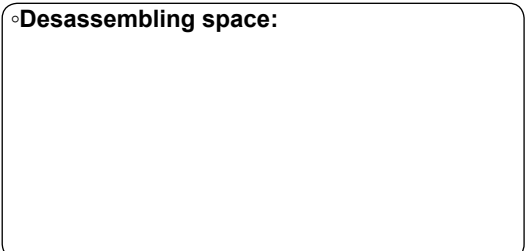
LSPJ 0150 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	130.0	LSPJ	0150	00



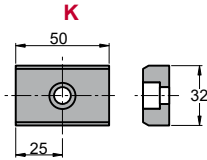
Order: Model (W) (α)

LSPJ 0150 00

Standard order example according to catalog sheet. Add options applying options table contents.

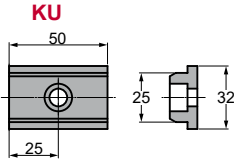
OPTIONS

K - KU



5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0150 00-K

LSPJ 0150 00-KU

LSPJ 0150 00-K-P16



SPARE PARTS:

② Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

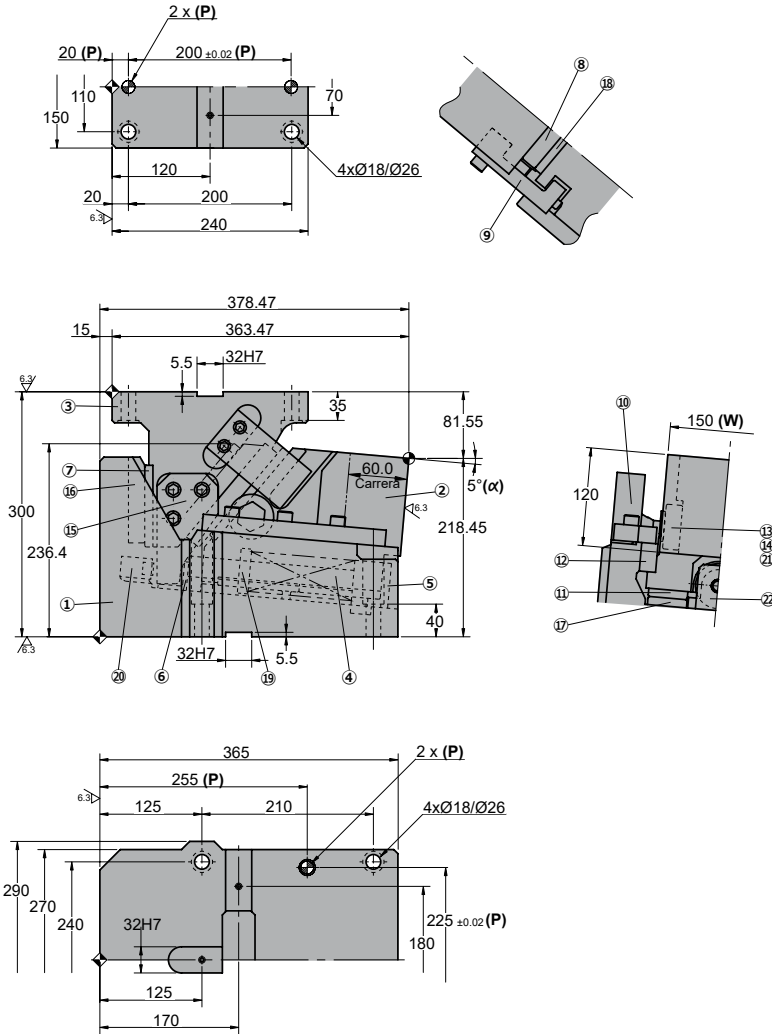
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

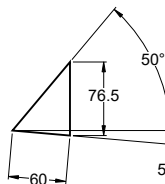
Die mounted cam for pierce and flange



LSPJ 0150 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	134.0	LSPJ	0150	05



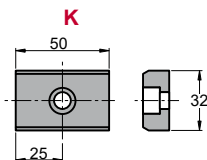
Order: Model (W) (α)

LSPJ 0150 05

Standard order example according to catalog sheet.
Add options applying options table contents.

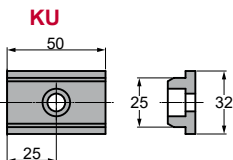
OPTIONS

K - KU

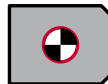


5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0150 05-K

LSPJ 0150 05-KU

LSPJ 0150 05-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	137.4	LSPJ	0150	10



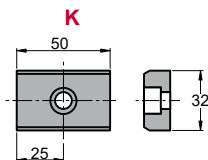
Order: Model (W) (α)

LSPJ 0150 10

Standard order example according to catalog sheet.
Add options applying options table contents.

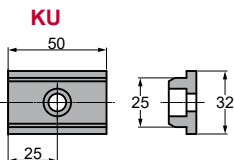
OPTIONS

K - KU



5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0150 10-K

LSPJ 0150 10-KU

LSPJ 0150 10-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

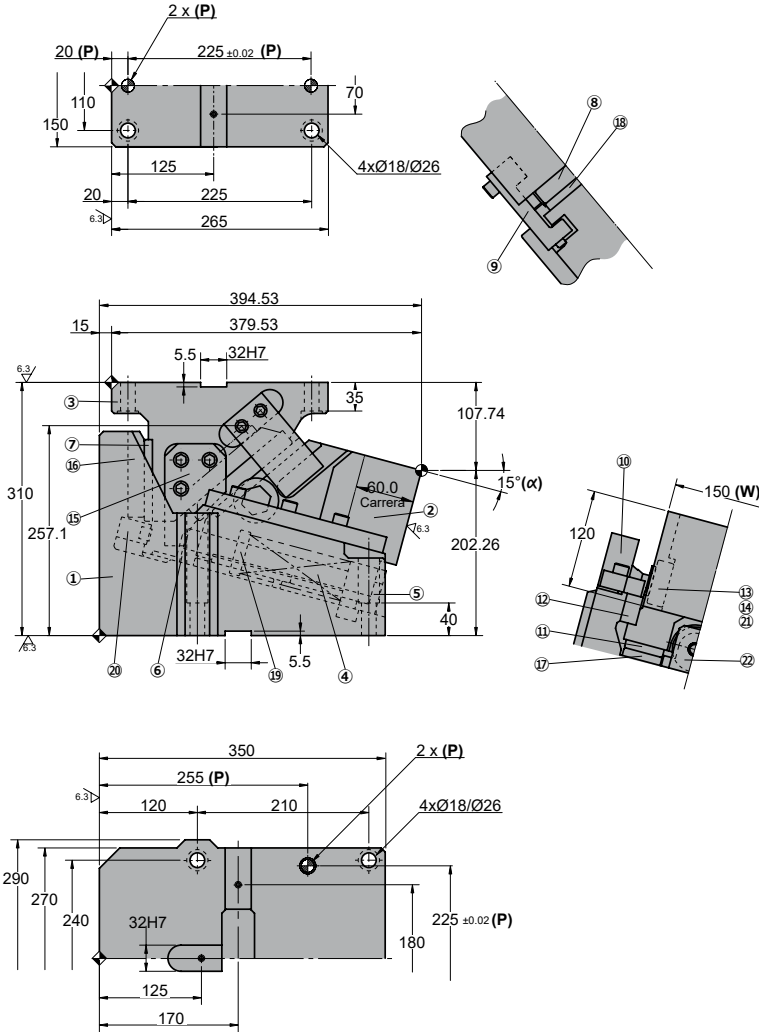
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

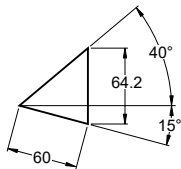
Die mounted cam for pierce and flange



LSPJ 0150 15



◦Cam diagram:



◦Desassembling space:



LSPJ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	138.0	LSPJ	0150	15



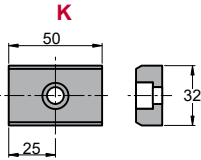
Order: Model (W) (α)

LSPJ 0150 15

Standard order example according to catalog sheet. Add options applying options table contents.

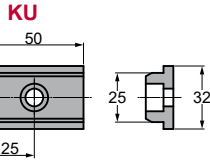
OPTIONS

K - KU



5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0150 15-K

LSPJ 0150 15-KU

LSPJ 0150 15-K-P16



SPARE PARTS:

② Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

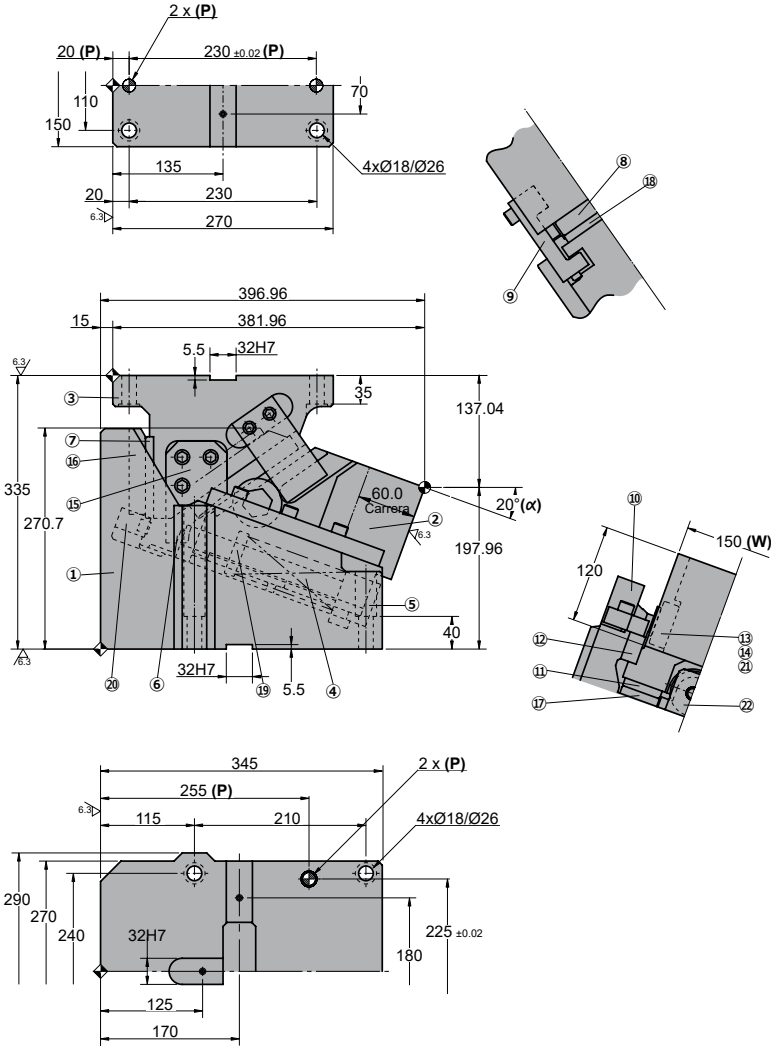
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

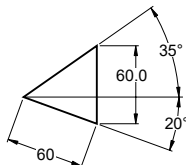
Die mounted cam for pierce and flange



LSPJ 0150 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	146.0	LSPJ	0150	20



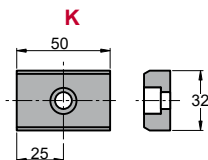
Order: Model (W) (α)

LSPJ 0150 20

Standard order example according to catalog sheet.
Add options applying options table contents.

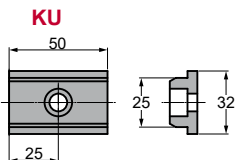
OPTIONS

K - KU



5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0150 20-K

LSPJ 0150 20-KU

LSPJ 0150 20-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

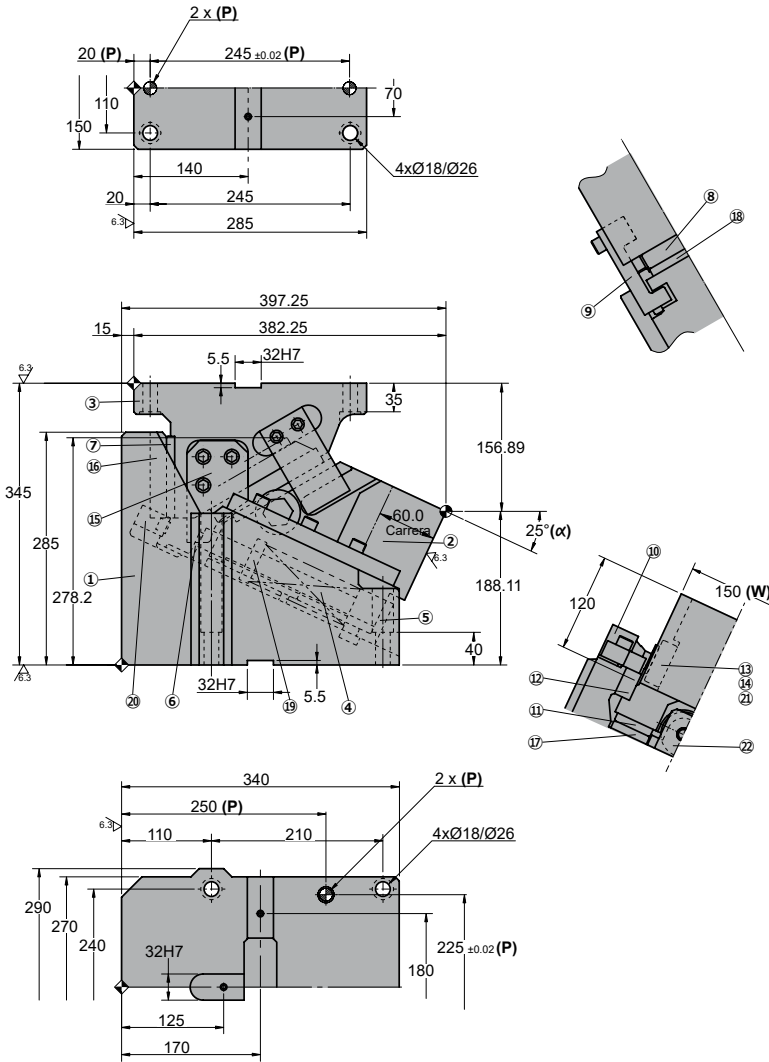
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

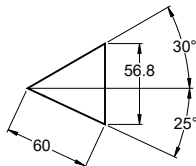
Die mounted cam for pierce and flange



LSPJ 0150 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	150.0	LSPJ	0150	25



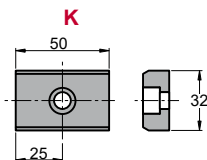
Order: Model (W) (α)

LSPJ 0150 25

Standard order example according to catalog sheet.
Add options applying options table contents.

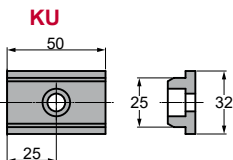
OPTIONS

K - KU

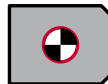


5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0150 25-K

LSPJ 0150 25-KU

LSPJ 0150 25-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

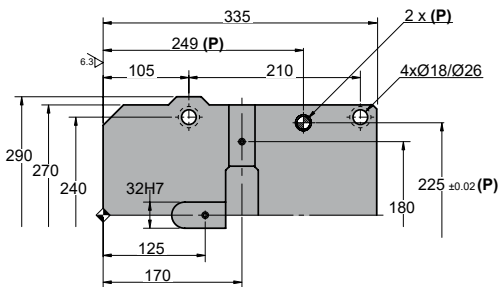
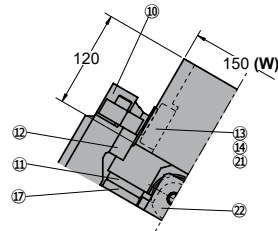
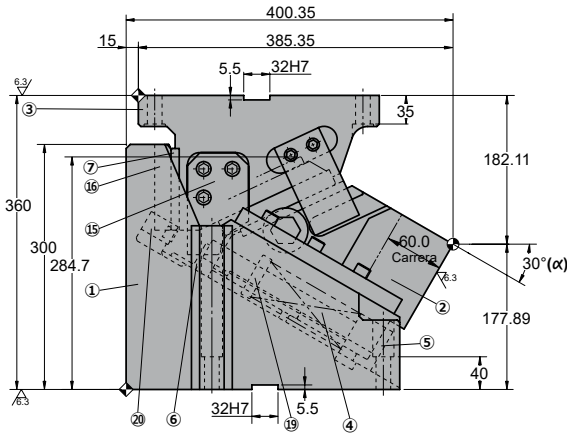
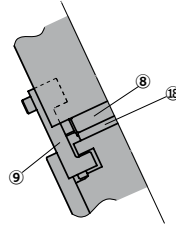
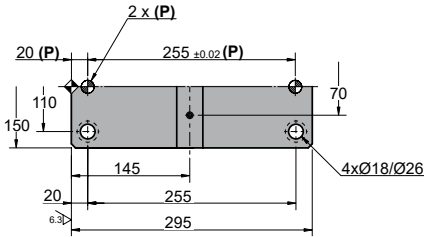
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

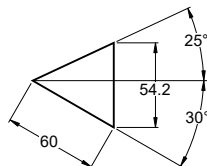
Die mounted cam for pierce and flange



LSPJ 0150 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	161.0	LSPJ	0150	30



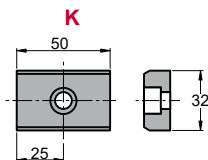
Order: Model (W) (α)

LSPJ 0150 30

Standard order example according to catalog sheet.
Add options applying options table contents.

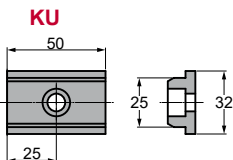
OPTIONS

K - KU



5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0150 30-K

LSPJ 0150 30-KU

LSPJ 0150 30-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

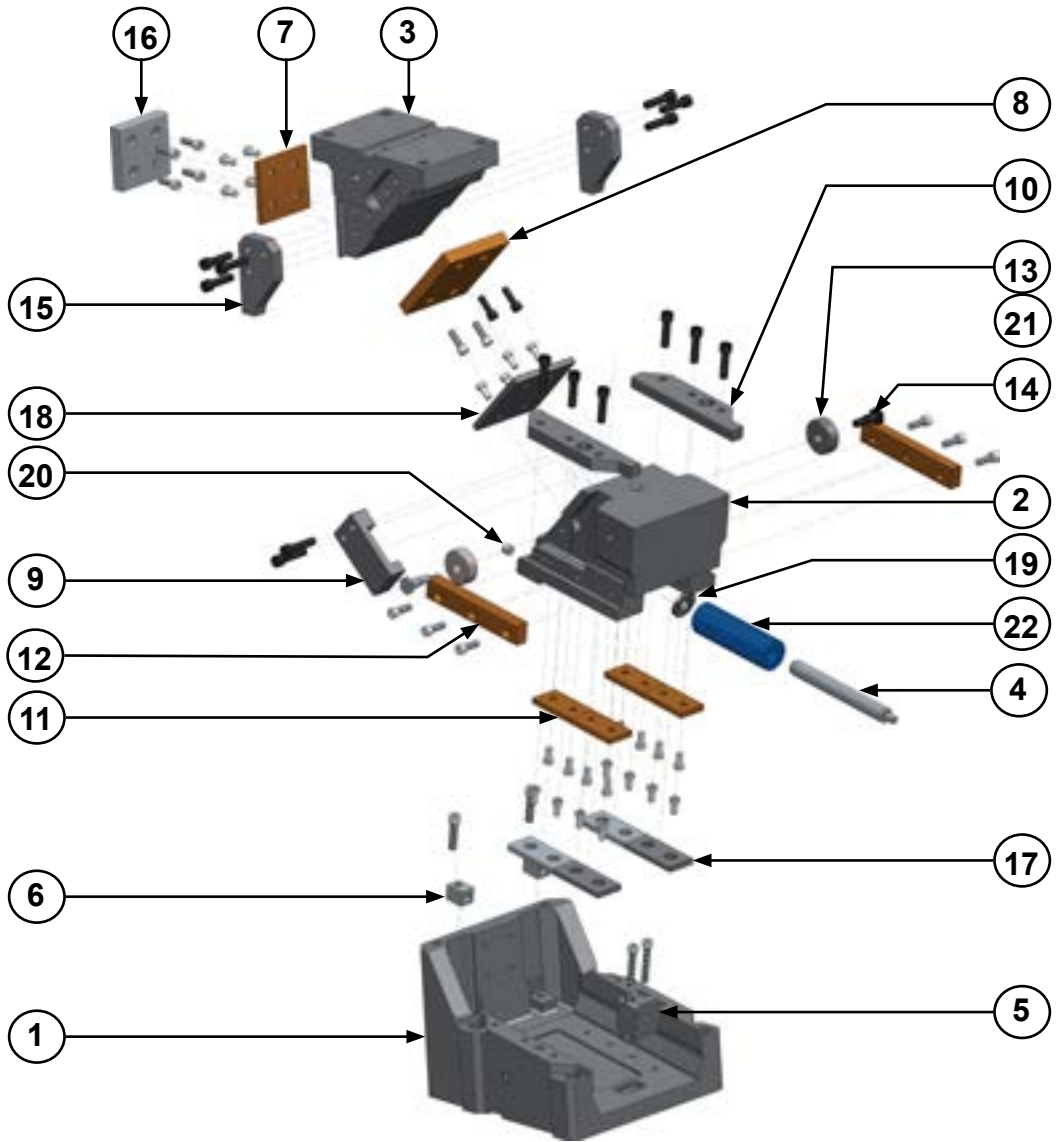
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

Die mounted cam for pierce and flange

LSPJ 0200

Die mounted cam for pierce and flange

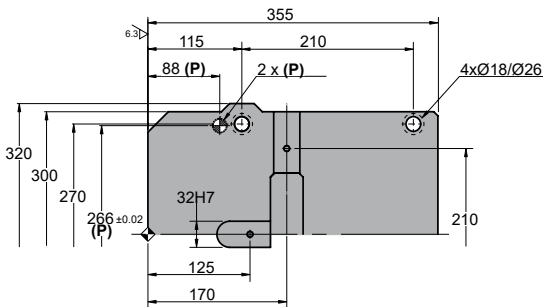
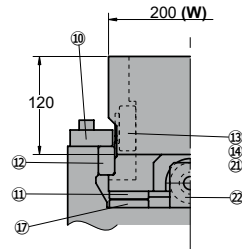
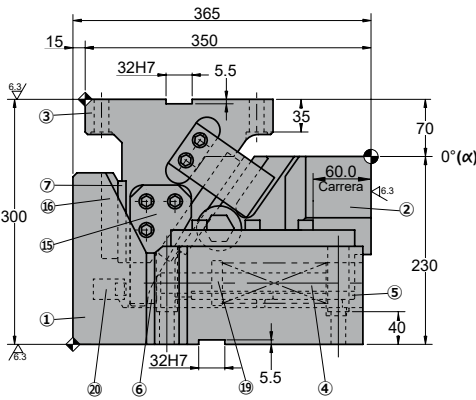
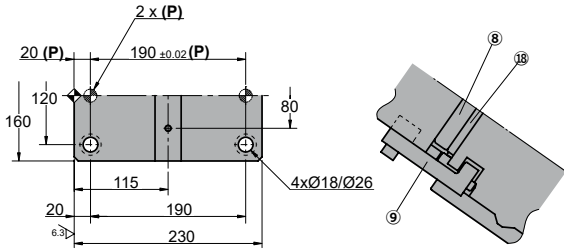


LSPJ 0200

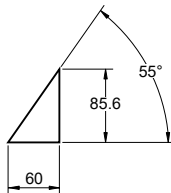
Die mounted cam for pierce and flange



LSPJ 0200 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	137.0	LSPJ	0200	00



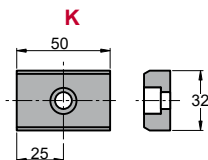
Order: Model (W) (α)

LSPJ 0200 00

Standard order example according to catalog sheet.
Add options applying options table contents.

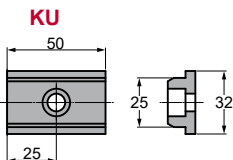
OPTIONS

K - KU

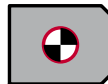


5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0200 00-K

LSPJ 0200 00-KU

LSPJ 0200 00-K-P16



SPARE PARTS:

② Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

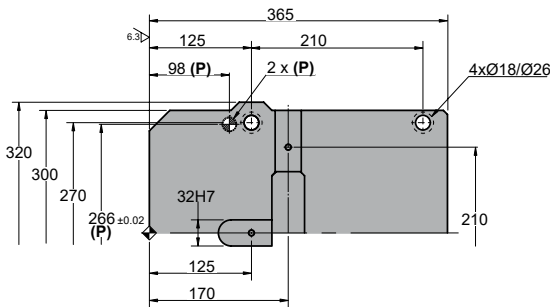
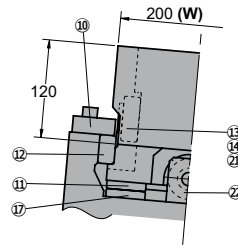
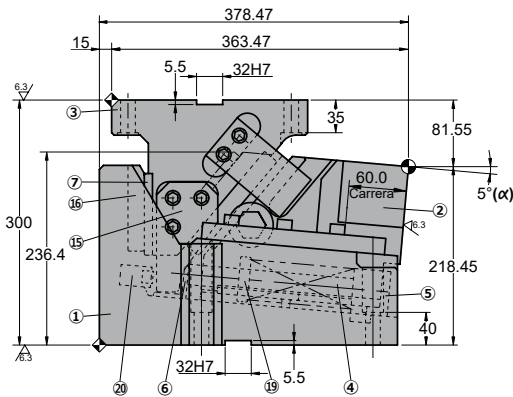
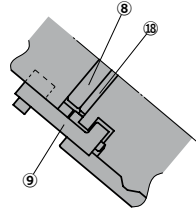
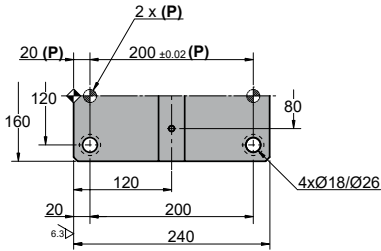
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

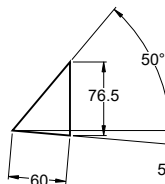
Die mounted cam for pierce and flange



LSPJ 0200 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	142.0	LSPJ	0200	05



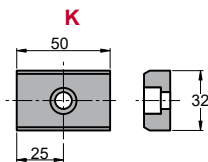
Order: Model (W) (α)

LSPJ 0200 05

Standard order example according to catalog sheet.
Add options applying options table contents.

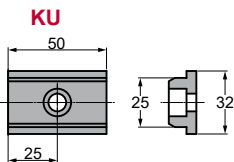
OPTIONS

K - KU



5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0200 05-K

LSPJ 0200 05-KU

LSPJ 0200 05-K-P16



SPARE PARTS:

② Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

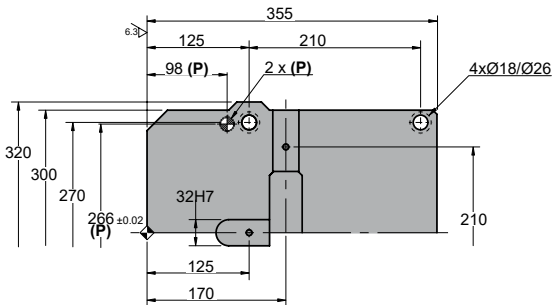
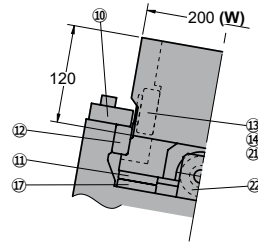
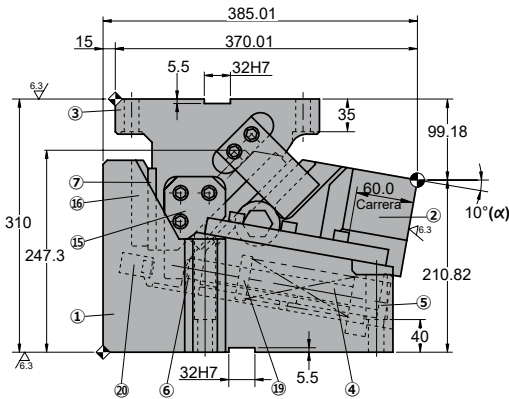
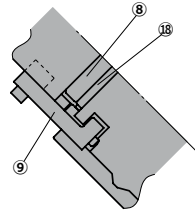
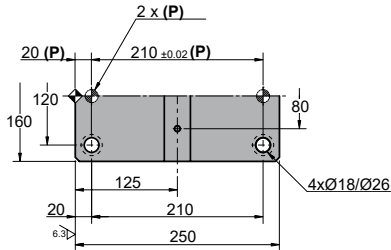
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

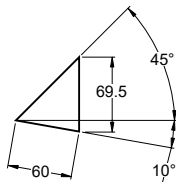
Die mounted cam for pierce and flange



LSPJ 0200 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	146.0	LSPJ	0200	10



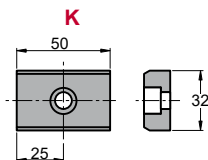
Order: Model (W) (α)

LSPJ 0200 10

Standard order example according to catalog sheet.
Add options applying options table contents.

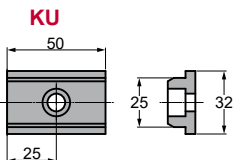
OPTIONS

K - KU



5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0200 10-K

LSPJ 0200 10-KU

LSPJ 0200 10-K-P16



SPARE PARTS:

② Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

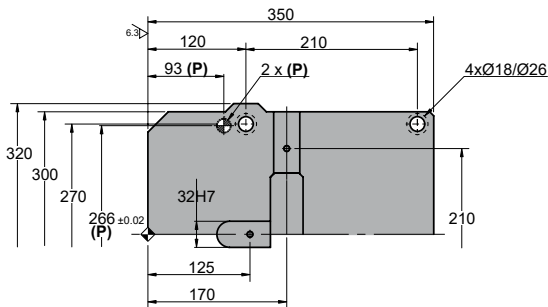
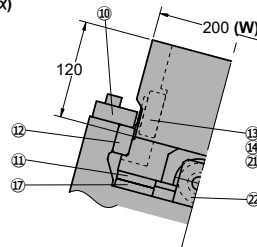
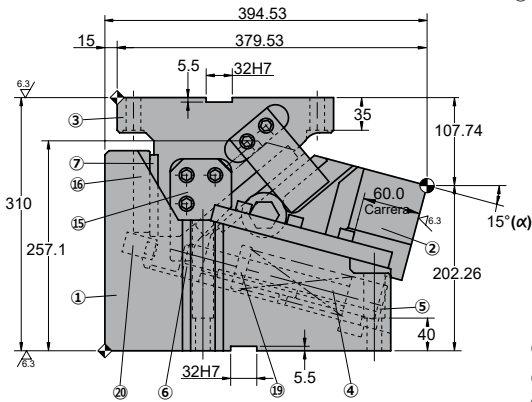
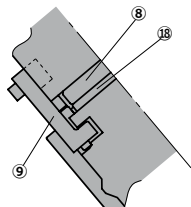
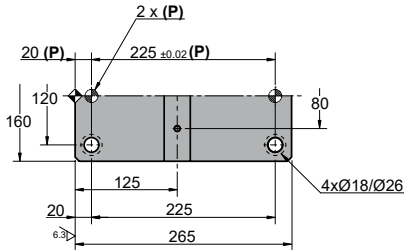
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

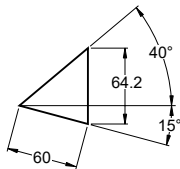
Die mounted cam for pierce and flange



LSPJ 0200 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	152.0	LSPJ	0200	15



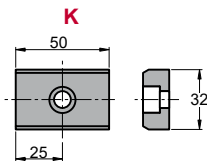
Order: Model (W) (α)

LSPJ 0200 15

Standard order example according to catalog sheet. Add options applying options table contents.

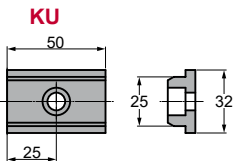
OPTIONS

K - KU

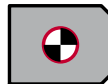


5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0200 15-K

LSPJ 0200 15-KU

LSPJ 0200 15-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

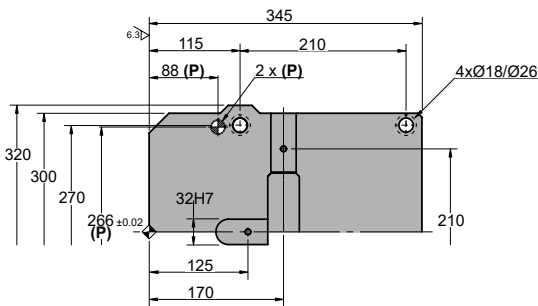
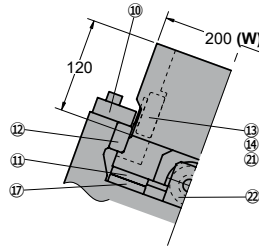
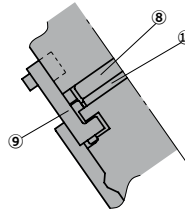
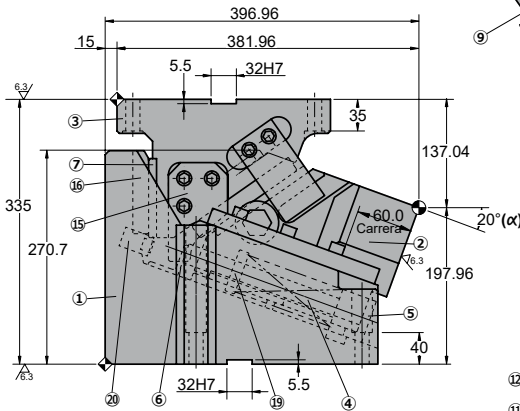
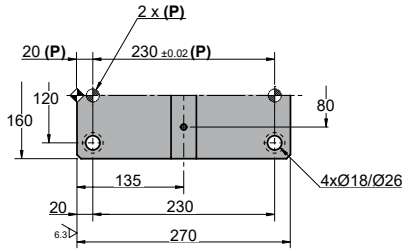
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

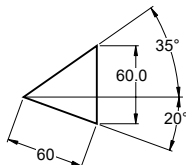
Die mounted cam for pierce and flange



LSPJ 0200 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	160.0	LSPJ	0200	20



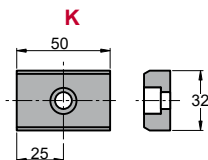
Order: Model (W) (α)

LSPJ 0200 20

Standard order example according to catalog sheet.
Add options applying options table contents.

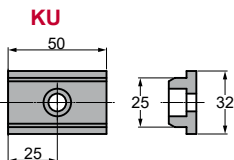
OPTIONS

K - KU

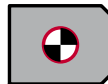


5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0200 20-K

LSPJ 0200 20-KU

LSPJ 0200 20-K-P16



SPARE PARTS:

② Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

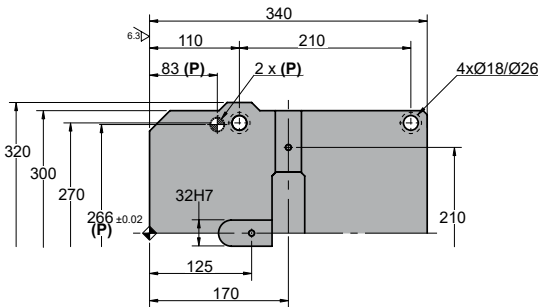
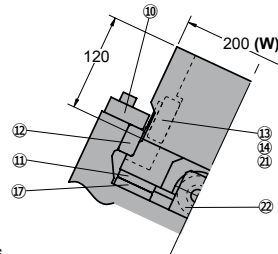
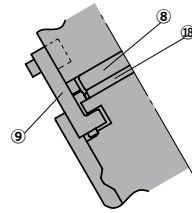
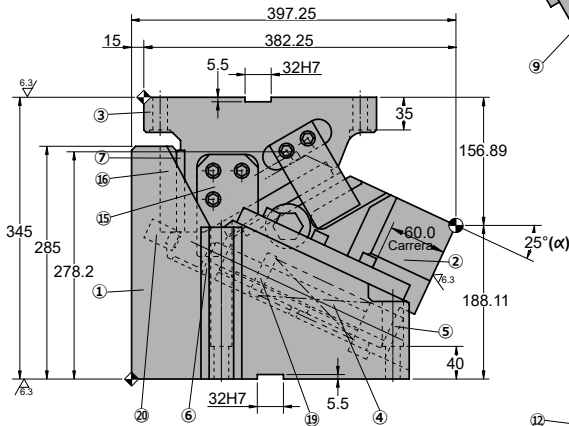
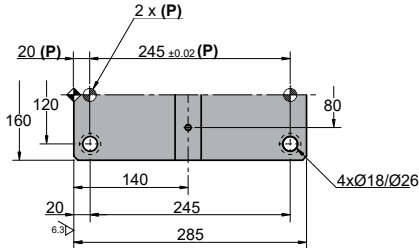
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

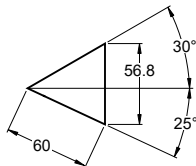
Die mounted cam for pierce and flange



LSPJ 0200 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	165.0	LSPJ	0200	25



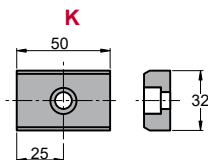
Order: Model (W) (α)

LSPJ 0200 25

Standard order example according to catalog sheet.
Add options applying options table contents.

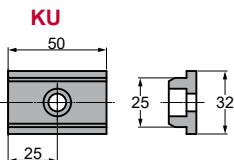
OPTIONS

K - KU

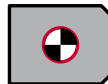


5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0200 25-K

LSPJ 0200 25-KU

LSPJ 0200 25-K-P16



SPARE PARTS:

② Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

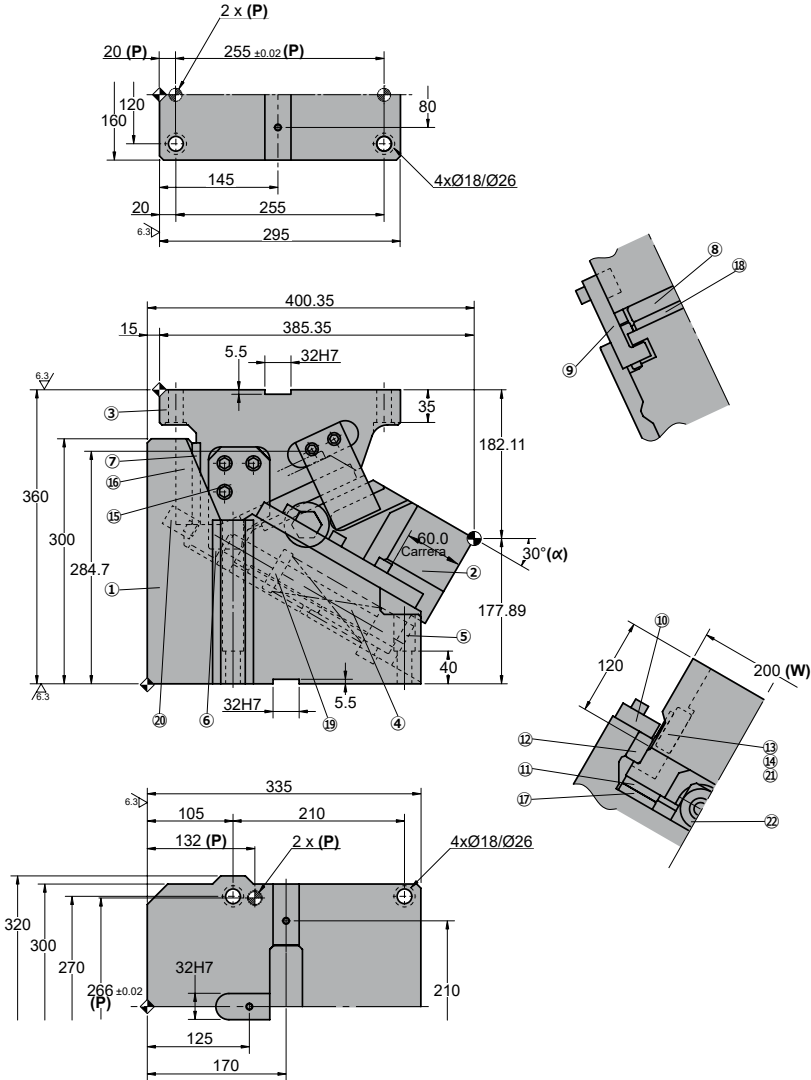
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

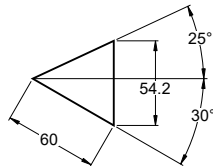
Die mounted cam for pierce and flange



LSPJ 0200 30



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	172.0	LSPJ	0200	30



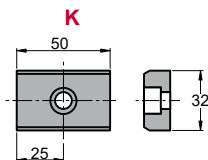
Order: Model (W) (α)

LSPJ 0200 30

Standard order example according to catalog sheet.
Add options applying options table contents.

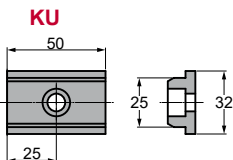
OPTIONS

K - KU



5 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0200 30-K

LSPJ 0200 30-KU

LSPJ 0200 30-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	CK45
⑥	Brake	1	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

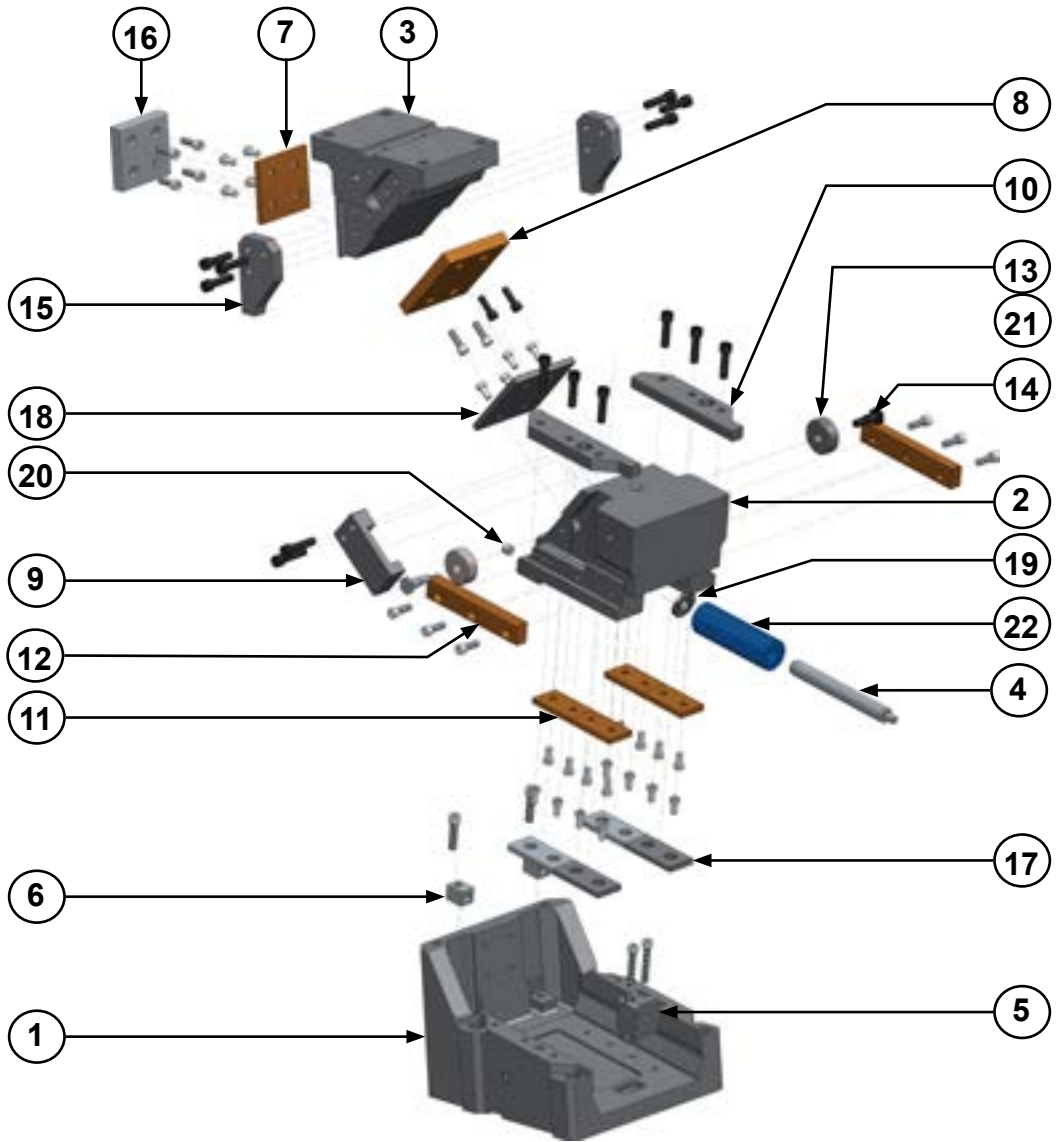
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

Die mounted cam for pierce and flange

LSPJ 0300

Die mounted cam for pierce and flange

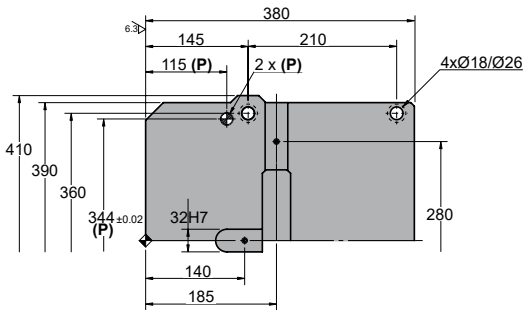
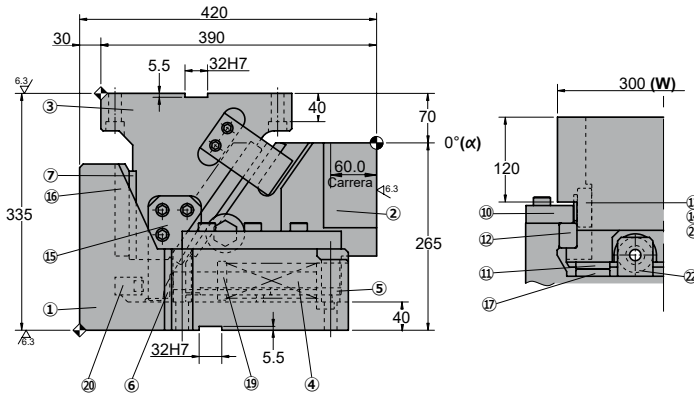
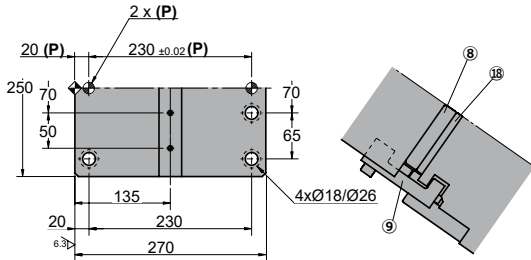


LSPJ 0300

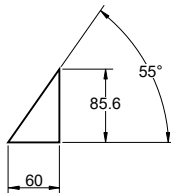
Die mounted cam for pierce and flange



LSPJ 0300 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	243.0	LSPJ	0300	00



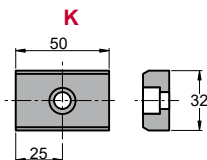
Order: Model (W) (α)

LSPJ 0300 00

Standard order example according to catalog sheet.
Add options applying options table contents.

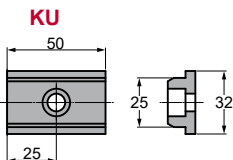
OPTIONS

K - KU



7 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0300 00-K

LSPJ 0300 00-KU

LSPJ 0300 00-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	CK45
⑥	Brake	2	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

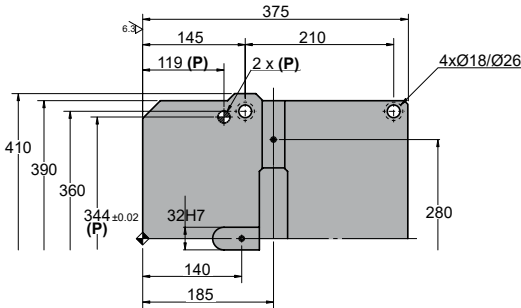
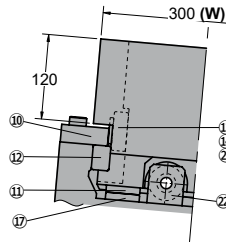
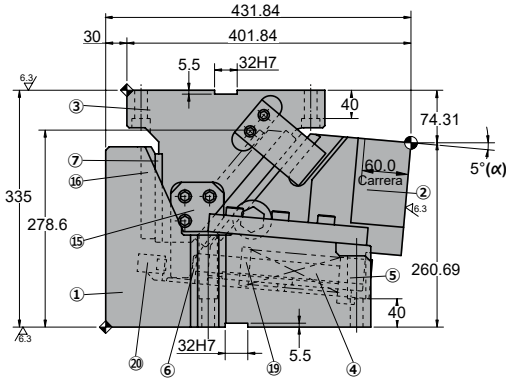
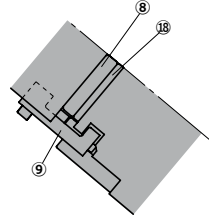
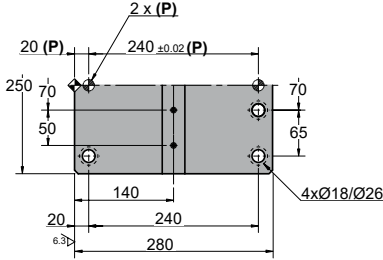
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

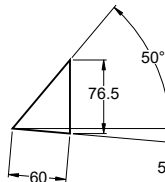
Die mounted cam for pierce and flange



LSPJ 0300 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	250.0	LSPJ	0300	05



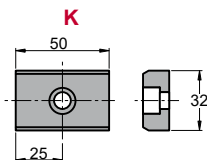
Order: Model (W) (α)

LSPJ 0300 05

Standard order example according to catalog sheet.
Add options applying options table contents.

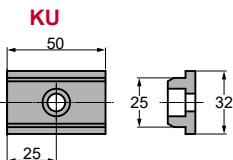
OPTIONS

K - KU



7 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0300 05-K

LSPJ 0300 05-KU

LSPJ 0300 05-K-P16



SPARE PARTS:

② Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	CK45
⑥	Brake	2	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

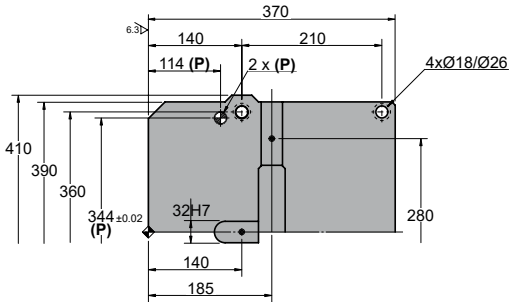
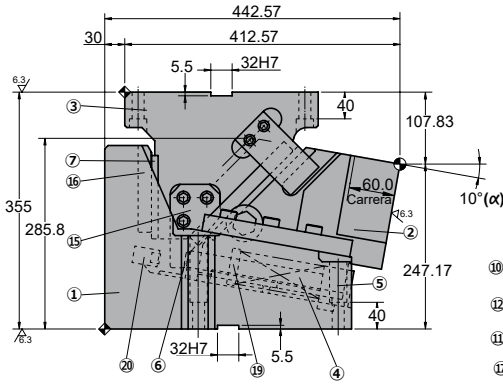
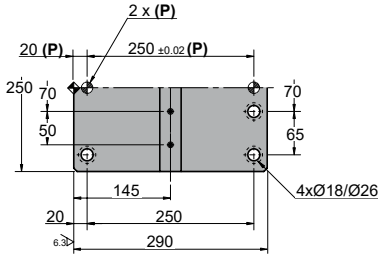
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

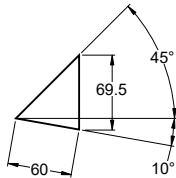
Die mounted cam for pierce and flange



LSPJ 0300 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	261.0	LSPJ	0300	10



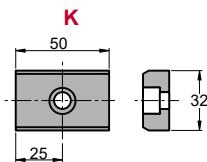
Order: Model (W) (α)

LSPJ 0300 10

Standard order example according to catalog sheet.
Add options applying options table contents.

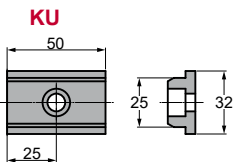
OPTIONS

K - KU



7 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0300 10-K

LSPJ 0300 10-KU

LSPJ 0300 10-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	CK45
⑥	Brake	2	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

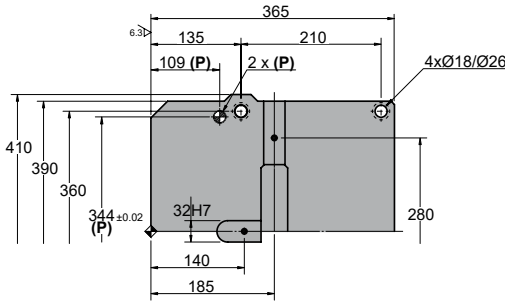
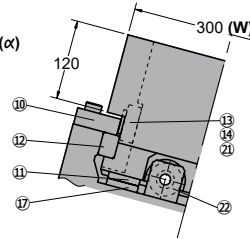
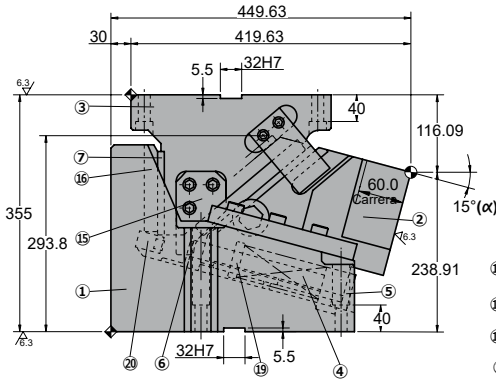
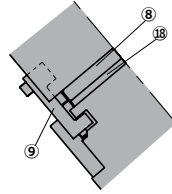
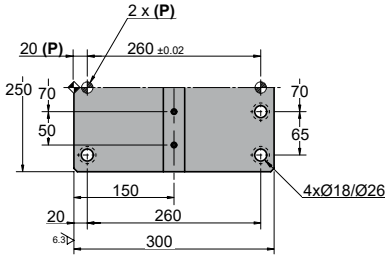
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

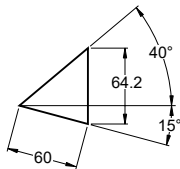
Die mounted cam for pierce and flange



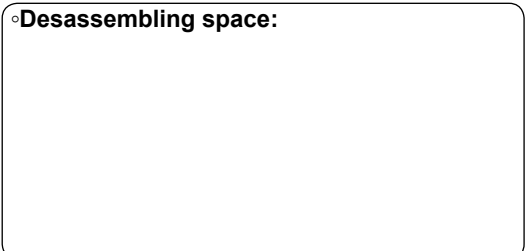
LSPJ 0300 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	263.0	LSPJ	0300	15



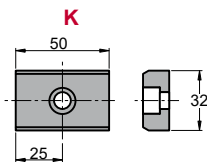
Order: Model (W) (α)

LSPJ 0300 15

Standard order example according to catalog sheet.
Add options applying options table contents.

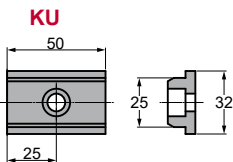
OPTIONS

K - KU



7 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0300 15-K

LSPJ 0300 15-KU

LSPJ 0300 15-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	CK45
⑥	Brake	2	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	275.0	LSPJ	0300	20



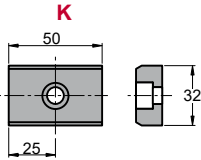
Order: Model (W) (α)

LSPJ 0300 20

Standard order example according to catalog sheet. Add options applying options table contents.

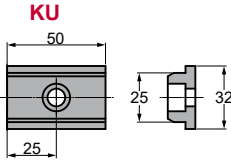
OPTIONS

K - KU



7 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0300 20-K

LSPJ 0300 20-KU

LSPJ 0300 20-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	CK45
⑥	Brake	2	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

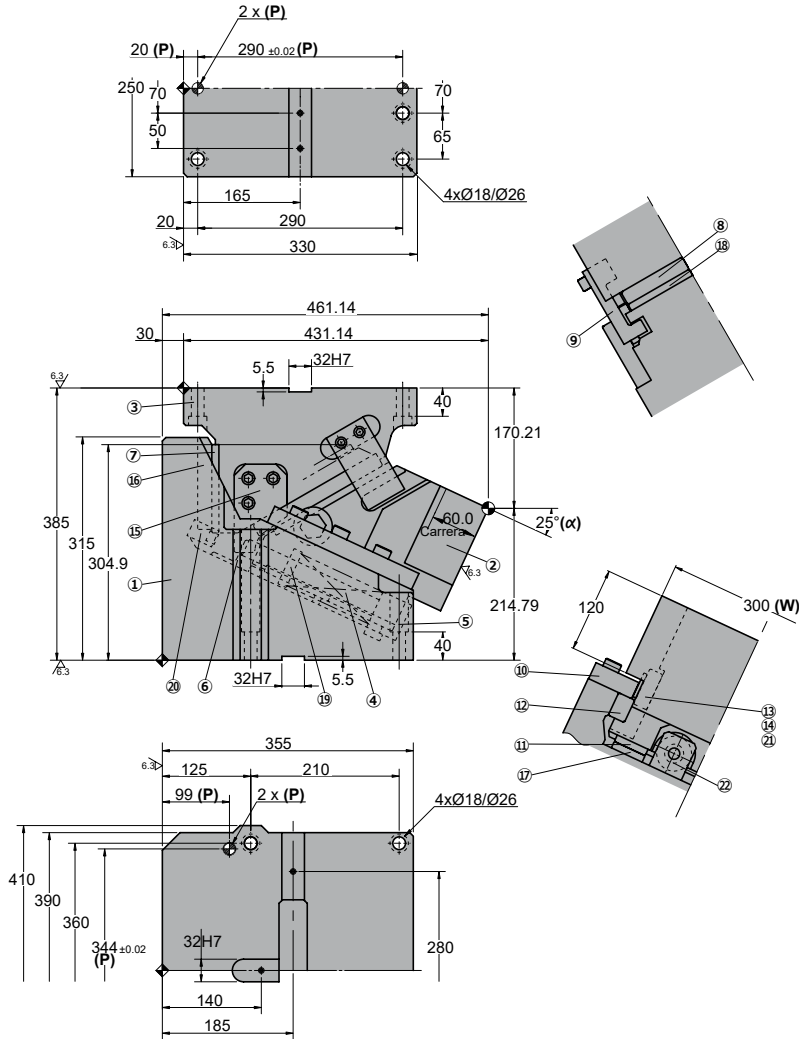
No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

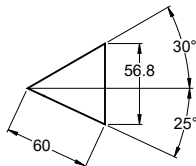
Die mounted cam for pierce and flange



LSPJ 0300 25



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	287.0	LSPJ	0300	25



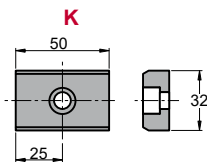
Order: Model (W) (α)

LSPJ 0300 25

Standard order example according to catalog sheet. Add options applying options table contents.

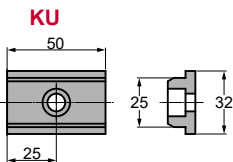
OPTIONS

K - KU

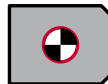


7 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0300 25-K

LSPJ 0300 25-KU

LSPJ 0300 25-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	CK45
⑥	Brake	2	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F ₀	Final F ₁				
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	303.0	LSPJ	0300	30



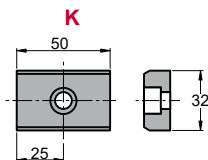
Order: Model (W) (α)

LSPJ 0300 30

Standard order example according to catalog sheet.
Add options applying options table contents.

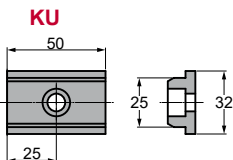
OPTIONS

K - KU



7 x M8x15

KEY



P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option



LSPJ 0300 30-K

LSPJ 0300 30-KU

LSPJ 0300 30-K-P16



SPARE PARTS:

⑳ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	CK45
⑥	Brake	2	CK45
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

No.	Descripción	Qty.	Material
⑯	Bracket	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

Die mounted cam for pierce and flange

General information



LSLD 0500
LSLD 0600



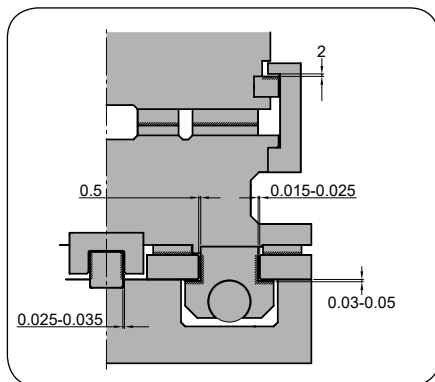
LSLD 0700
LSLD 0800



LSLD 0900
LSLD 1000

- Die mounted cam.
- Angles from 0° to 20° with increments of 5°.
- Rigid guides system.
- Gas spring equipped unit.

Adjustment clearances



- LSLD 0500**
- LSLD 0600**
- LSLD 0700**
- LSLD 0800**
- LSLD 0900**
- LSLD 1000**

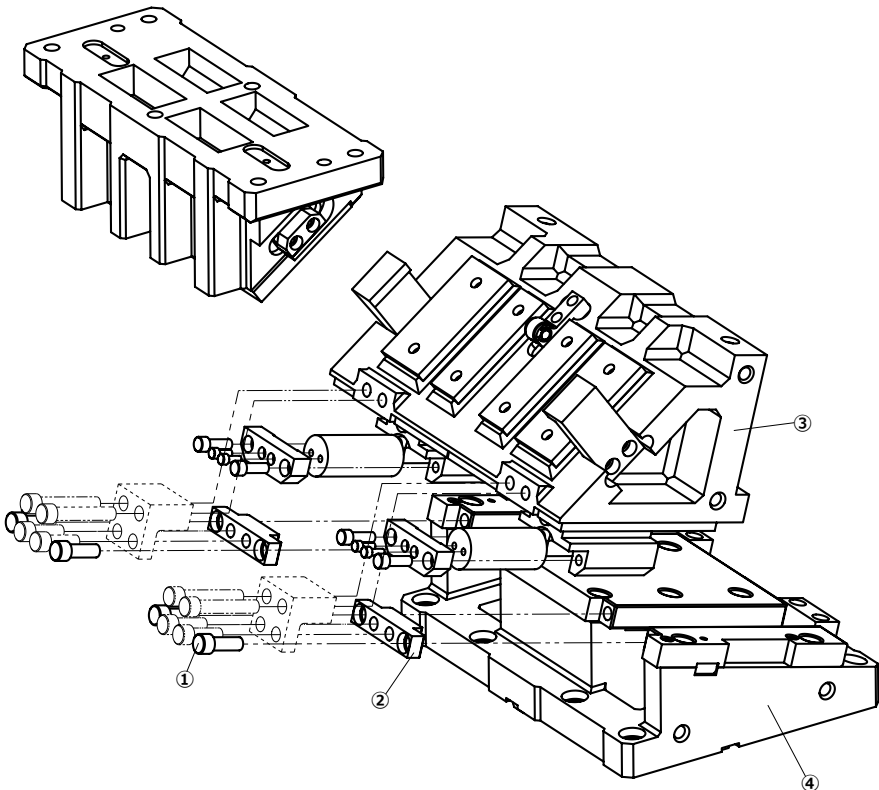
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

Assembling process

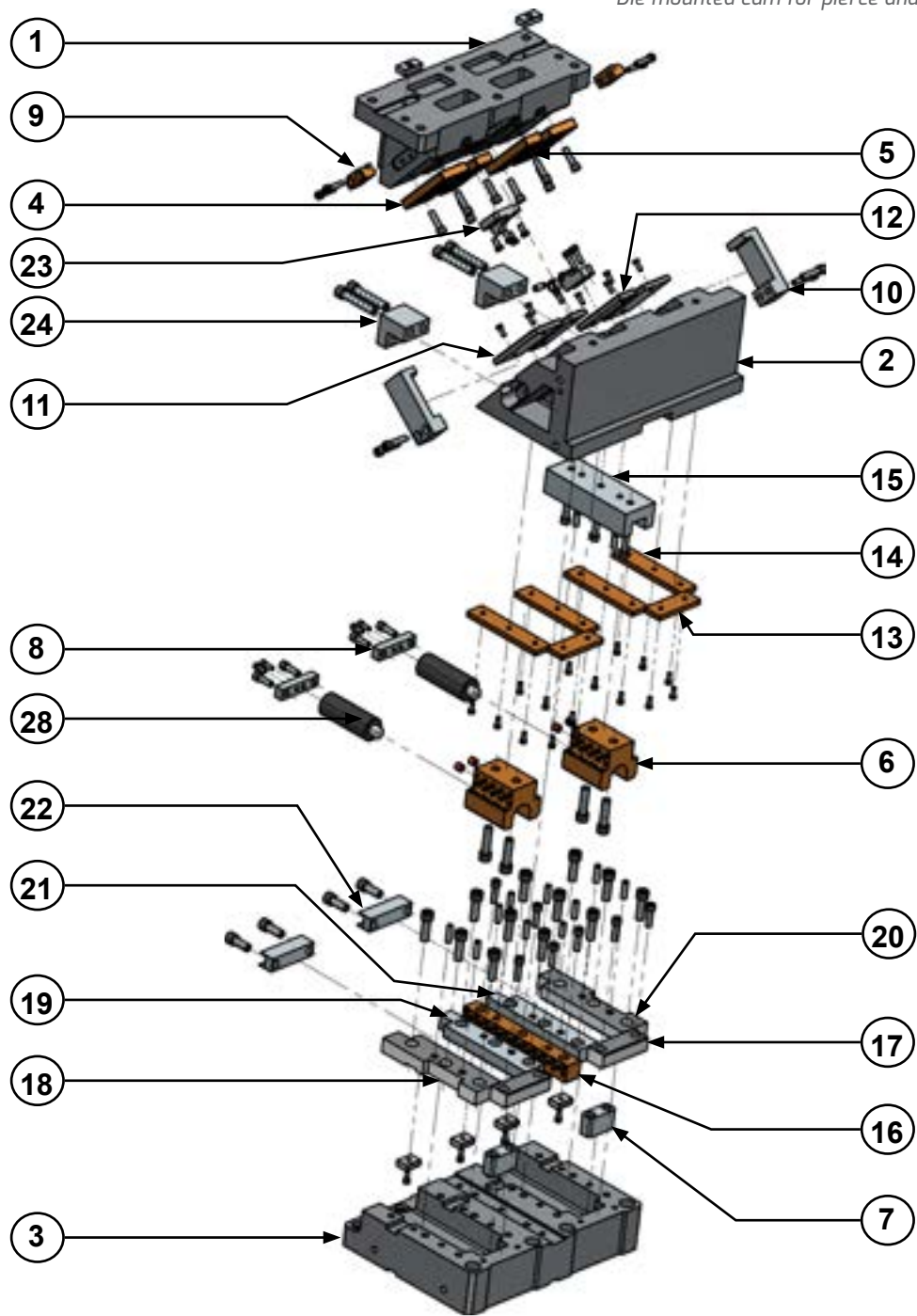
- Make sure that there are no metal shaving or impurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.





LSLD 0500-0600

Die mounted cam for pierce and flange

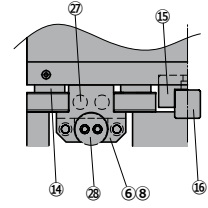
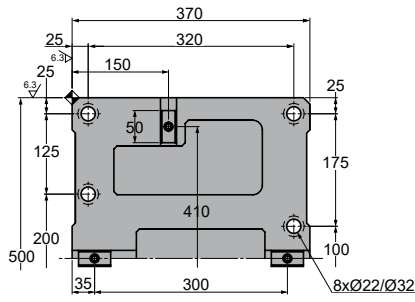
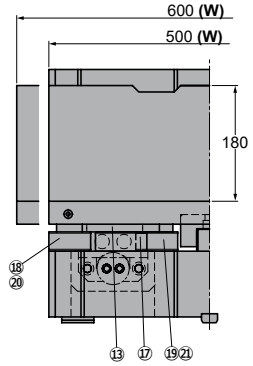
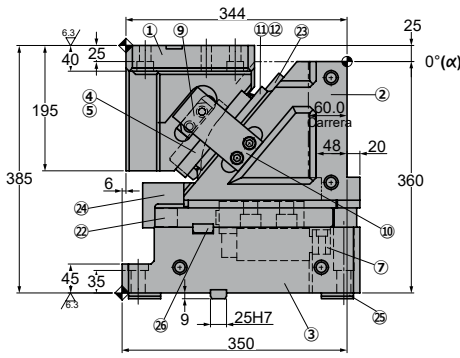
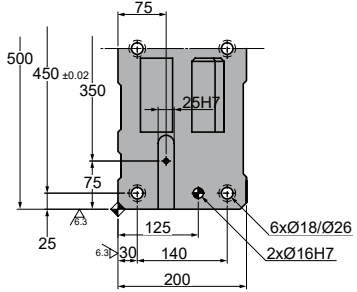


LSLD 0500-0600

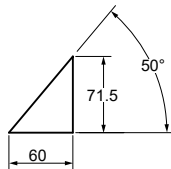
Die mounted cam for pierce and flange



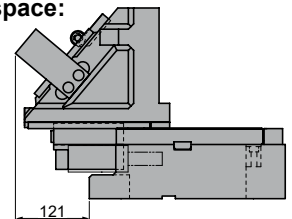
LSLD 0500 00
LSLD 0600 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	316	LSLD	0500	00
					325		0600	


Order: Model (W) (α)
LSLD 0500 00

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

28 Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

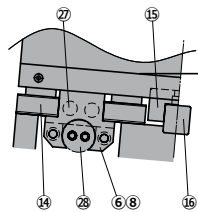
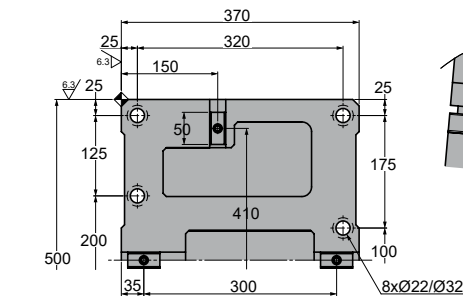
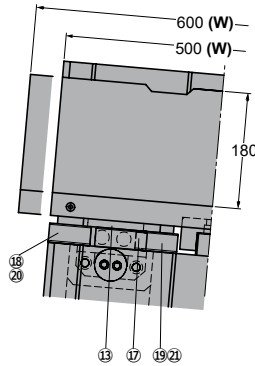
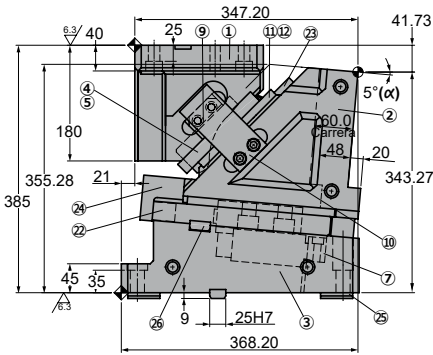
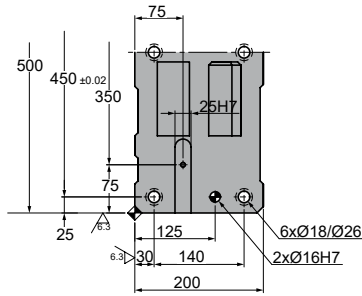
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0500-0600

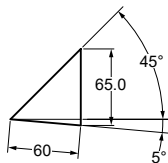
Die mounted cam for pierce and flange



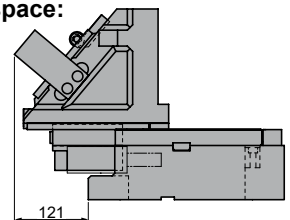
LSLD 0500 05
LSLD 0600 05



◦Cam diagram:



◦Desassembling space:





LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	310	LSLD	0500	05
					318		0600	



Order: Model (W) (α)

LSLD 0500 05

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

⊗ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

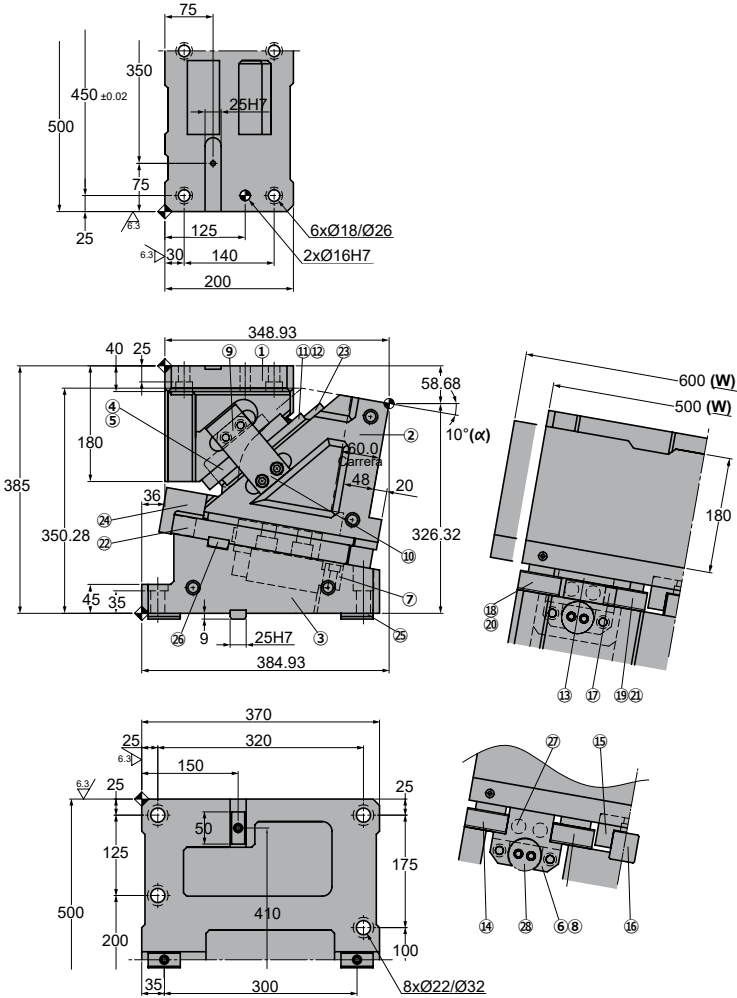
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0500-0600

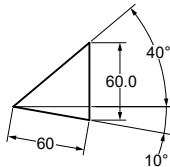
Die mounted cam for pierce and flange



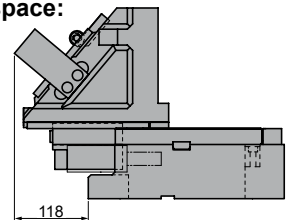
LSLD 0500 10
LSLD 0600 10



◦Cam diagram:



◦Desassembling space:





LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	306	LSLD	0500	10
					314		0600	



Order: Model (W) (α)

LSLD 0500 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

⊗ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

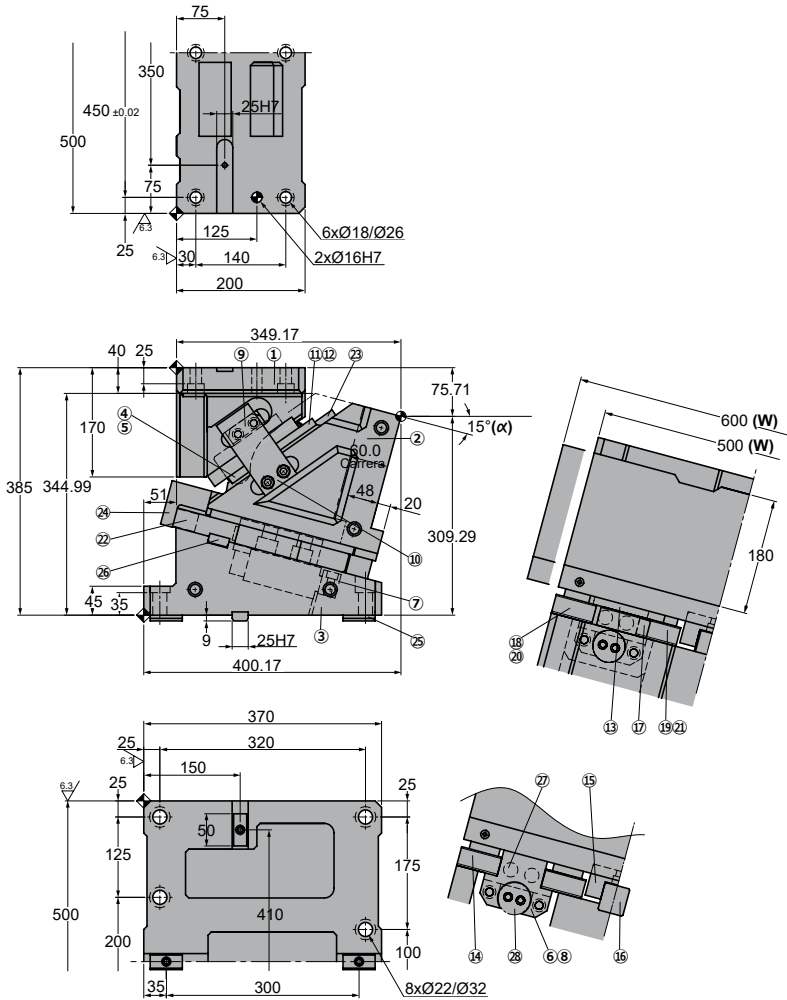
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0500-0600

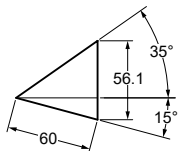
Die mounted cam for pierce and flange



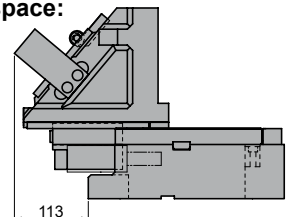
LSLD 0500 15 LSLD 0600 15



◦Cam diagram:



◦Desassembling space:





LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	302	LSLD	0500	15
					310		0600	



Order: Model (W) (α)

LSLD 0500 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

⊗ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

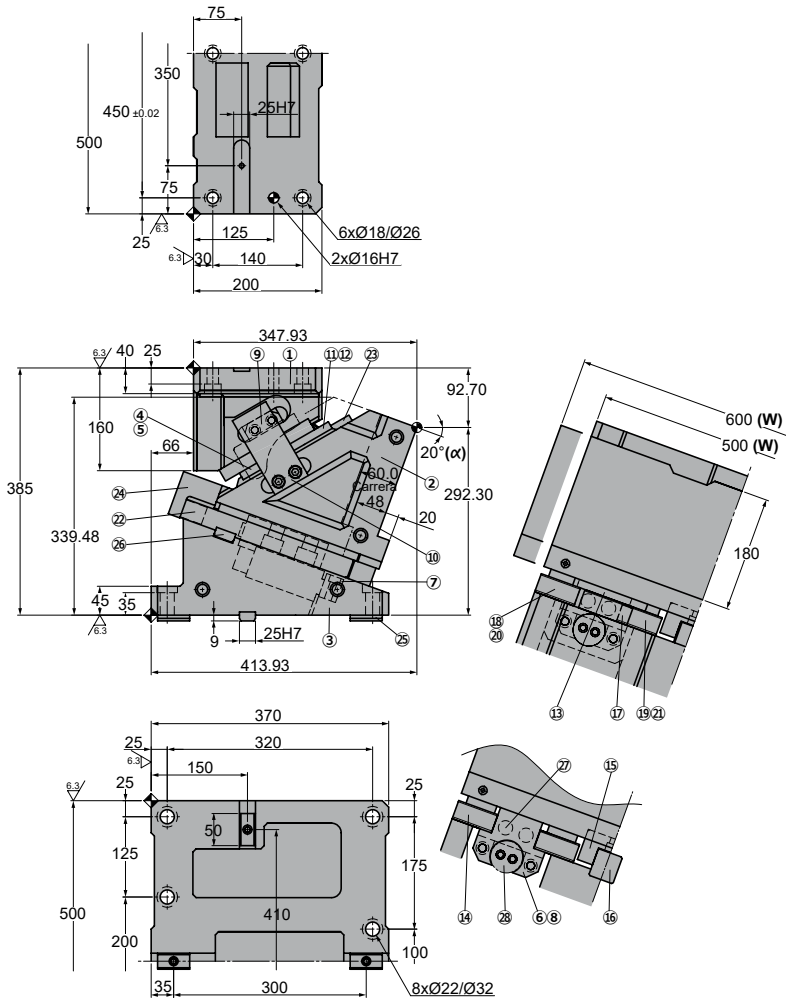
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0500-0600

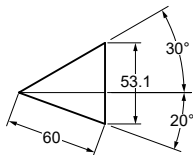
Die mounted cam for pierce and flange



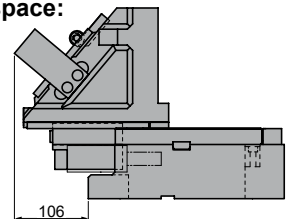
LSLD 0500 20 LSLD 0600 20



◦Cam diagram:



◦Desassembling space:





LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	298	LSLD	0500	20
					306		0600	



Order: Model (W) (α)

LSLD 0500 20

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

28 Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

No.	Description	Qty.	Material
16	Central Guide Plate B	1	Bronze + G
17	Base Plate A	2	CK45
18	Base Plate B	1	CK45
19	Base Plate C	1	CK45
20	Base Plate D	1	CK45
21	Base Plate E	1	CK45
22	Stopper Plate	2	CK45
23	Bracket Block	1	
24	Locking plate	2	CK45
25	Key A	4	CK45
26	Key B	4	CK45
27	Stopper	4	Urethane
28	Gas Spring	2	FD 750 063

LSLD 0500-0600

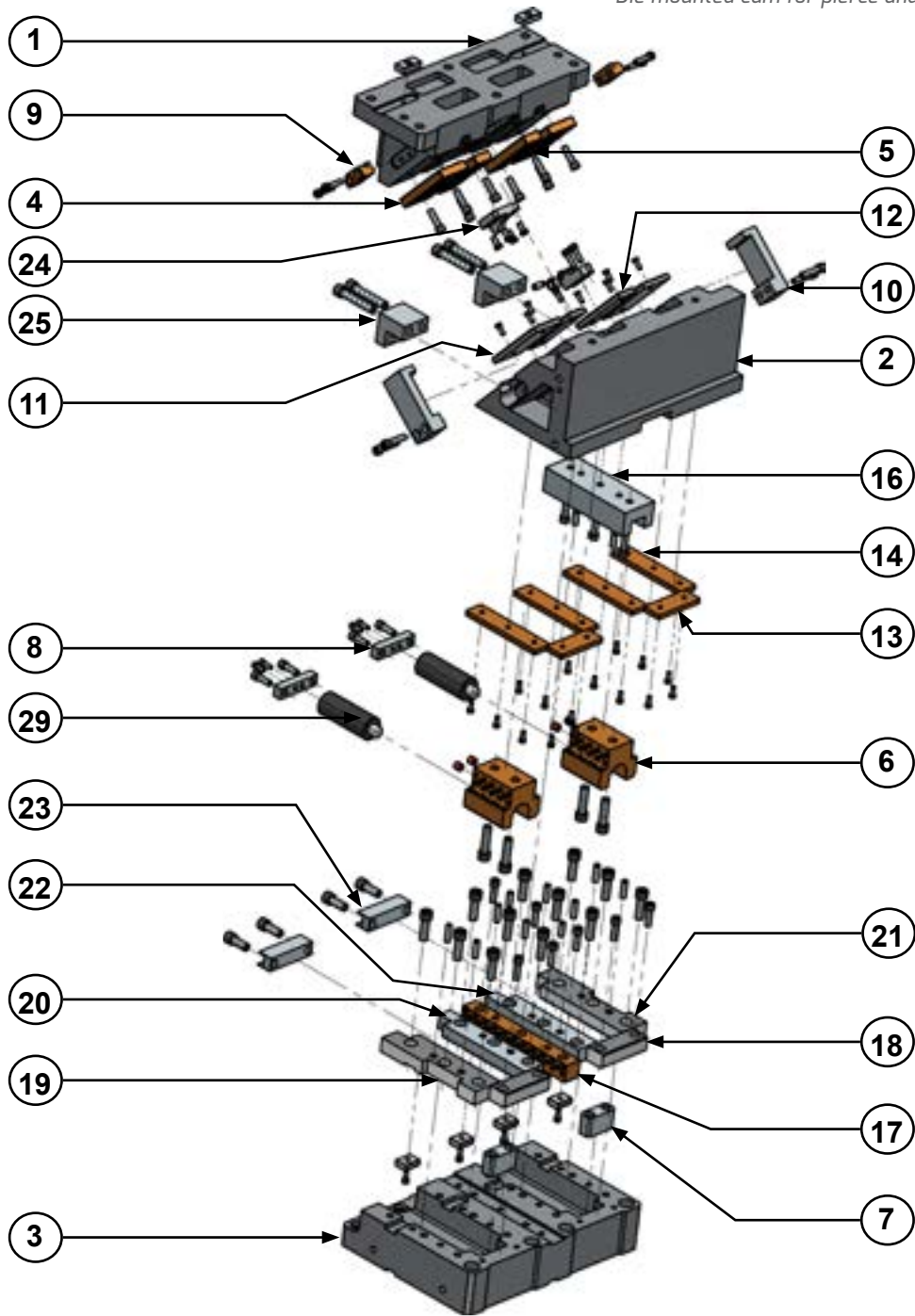


Die mounted cam for pierce and flange



LSLD 0700-0800

Die mounted cam for pierce and flange

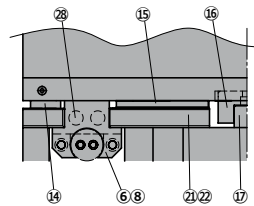
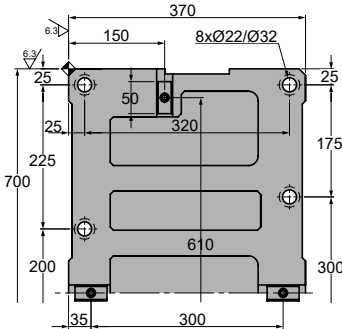
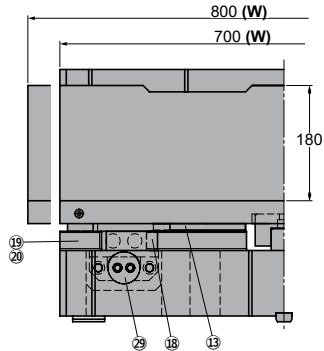
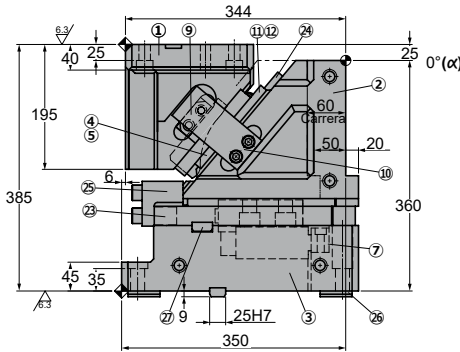
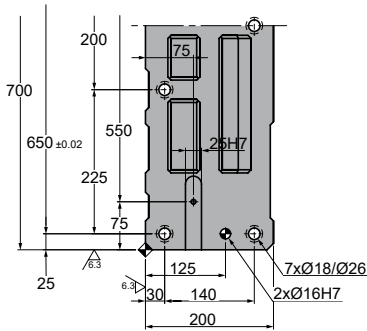


LSLD 0700-0800

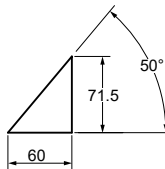
Die mounted cam for pierce and flange



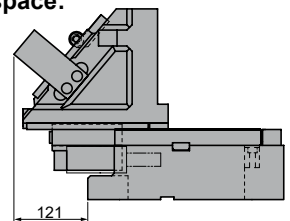
LSLD 0700 00
LSLD 0800 00



◦Cam diagram:



◦Desassembling space:





LSLD 0700-0800

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	436	LSLD	0700	00
					446			



Order: Model (W) (α)

LSLD 0700 00

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

29 Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 063

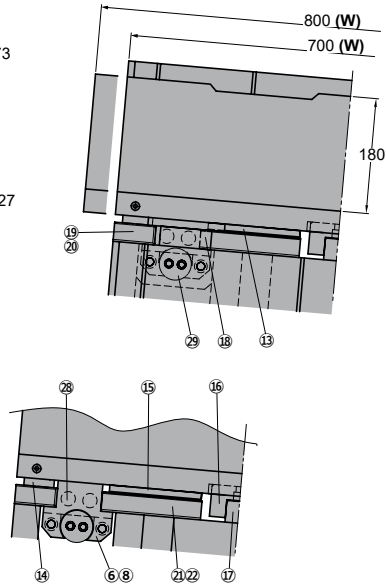
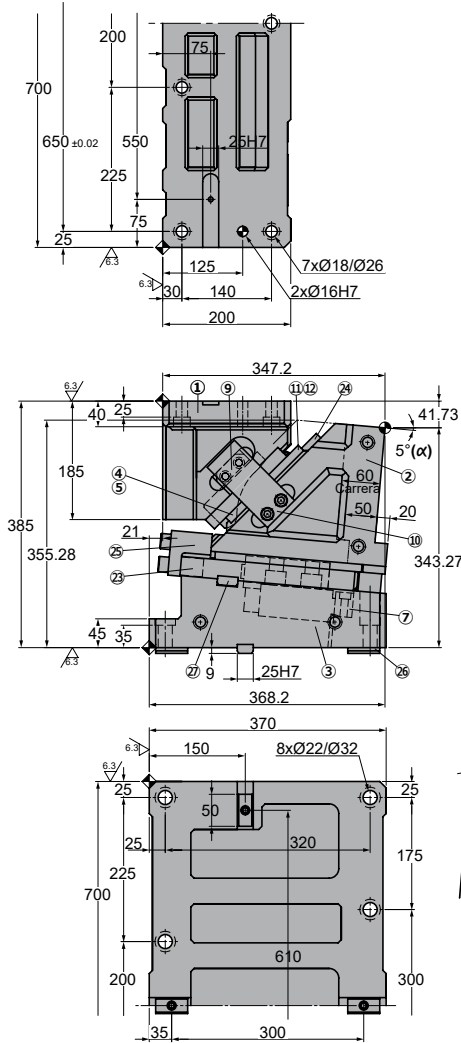
LSLD 0700-0800

Die mounted cam for pierce and flange

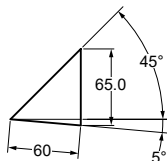


LSLD 0700 05

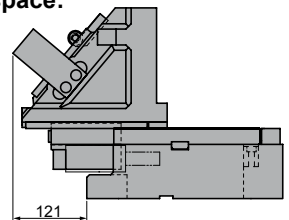
LSLD 0800 05



◦Cam diagram:



◦Desassembling space:





LSLD 0700-0800

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	429	LSLD	0700	05
					438			



Order: Model (W) (α)

LSLD 0700 05

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

29 Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

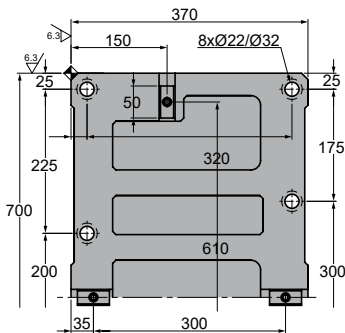
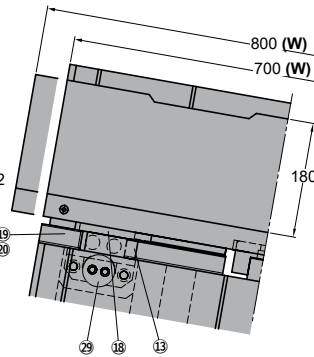
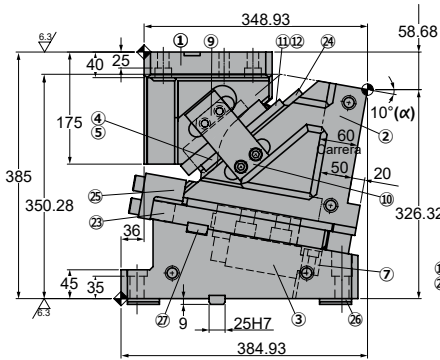
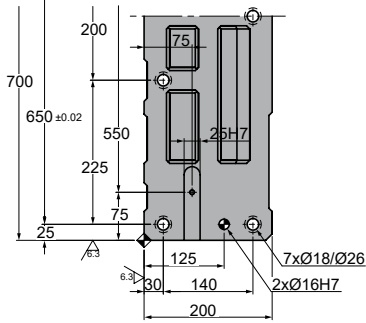
No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 063

LSLD 0700-0800

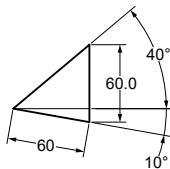


Die mounted cam for pierce and flange

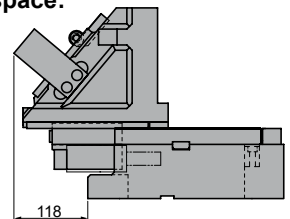
LSLD 0700 10 LSLD 0800 10



Cam diagram:



Desassembling space:





LSLD 0700-0800

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	421	LSLD	0700	10
					430			



Order: Model (W) (α)

LSLD 0700 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

29 Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

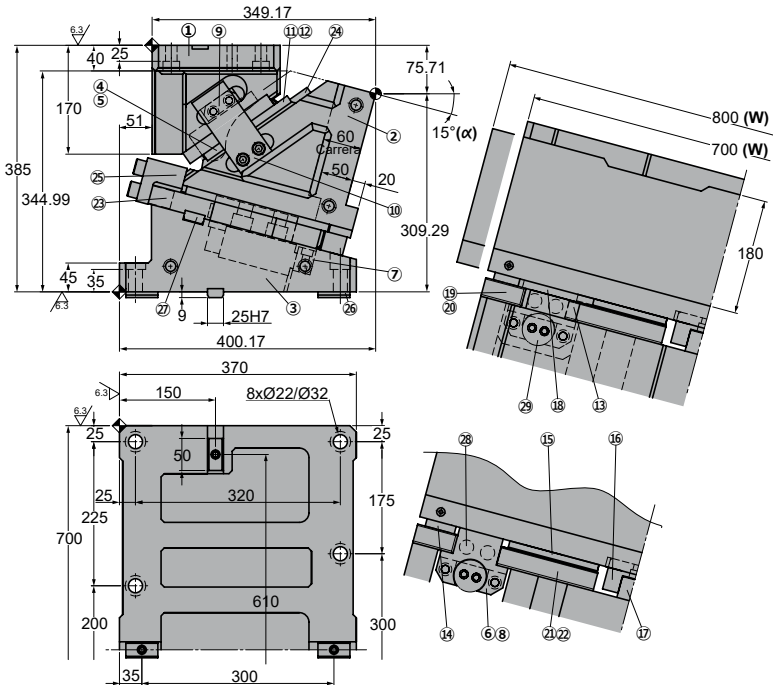
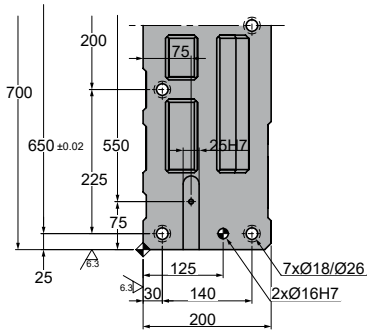
No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 063

LSLD 0700-0800

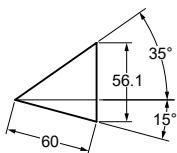
Die mounted cam for pierce and flange



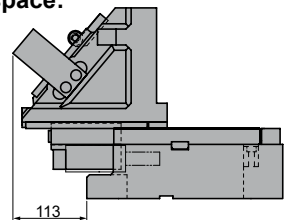
LSLD 0700 15 LSLD 0800 15



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	415	LSLD	0700	15
					424			



Order: Model (W) (α)

LSLD 0700 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

29 Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

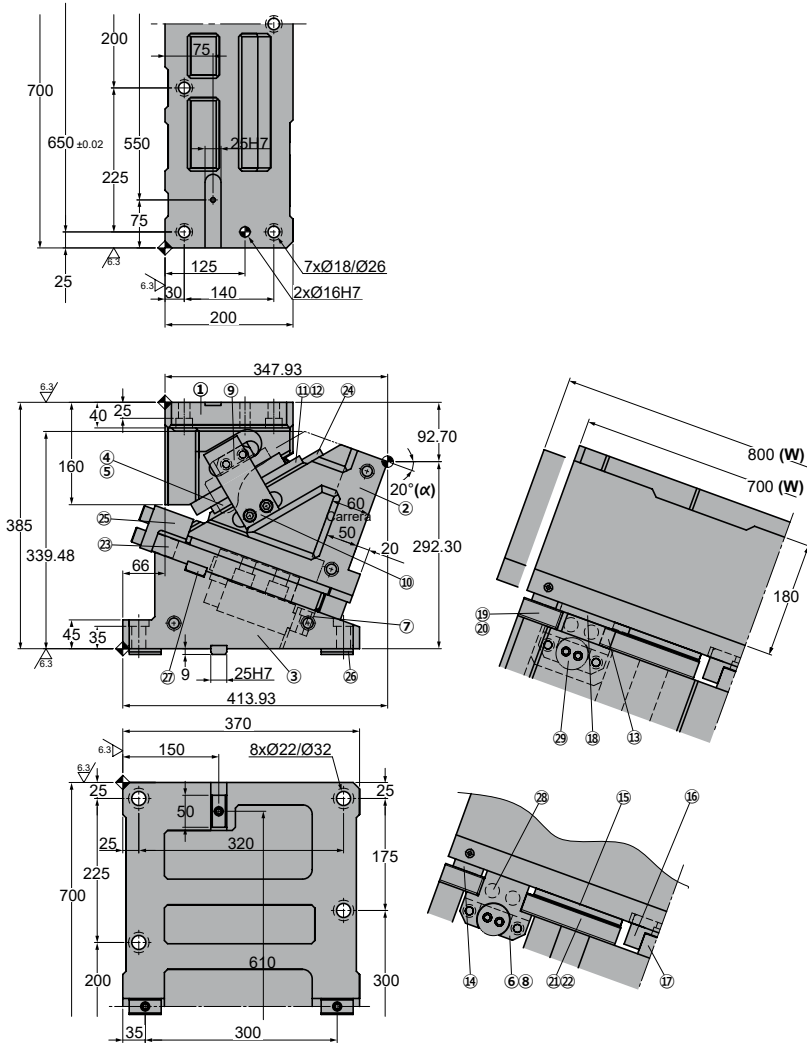
No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 063

LSLD 0700-0800

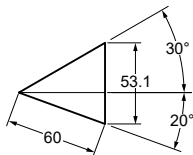
Die mounted cam for pierce and flange



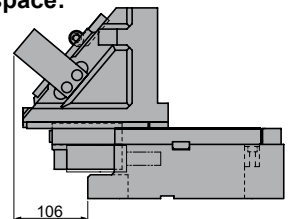
LSLD 0700 20 LSLD 0800 20



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	410	LSLD	0700	20
					418			


Order: Model (W) (α)
LSLD 0700 20

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

29 Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 063

LSLD 0700-0800

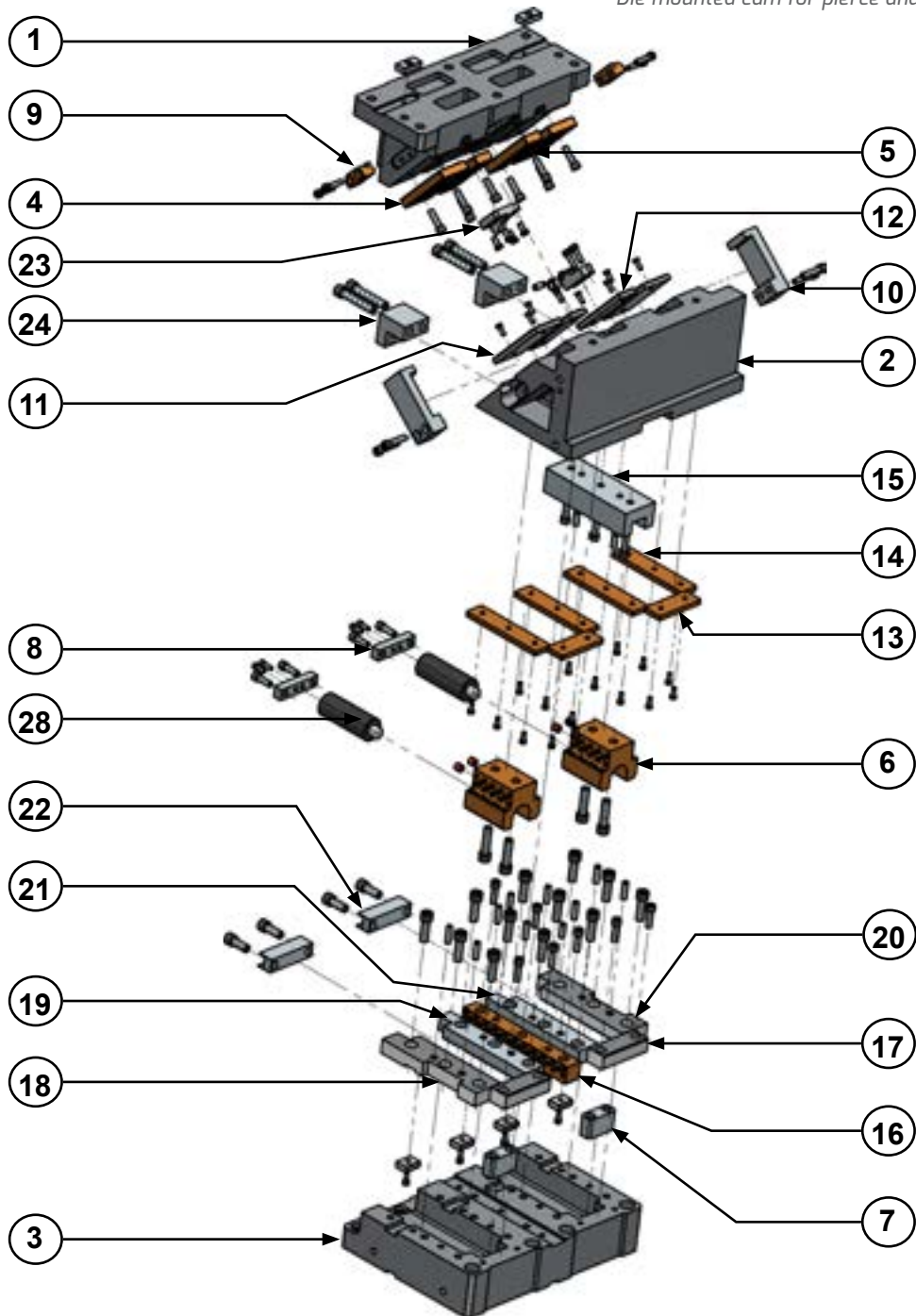


Die mounted cam for pierce and flange



LSLD 0900-1000

Die mounted cam for pierce and flange

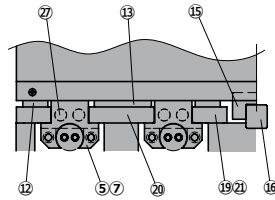
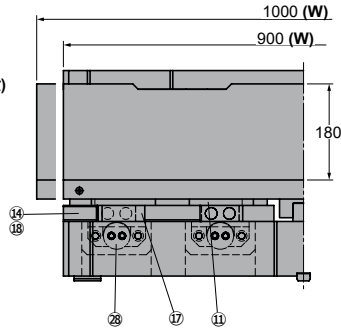
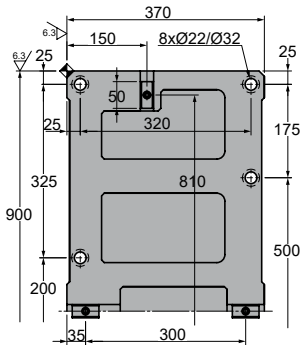
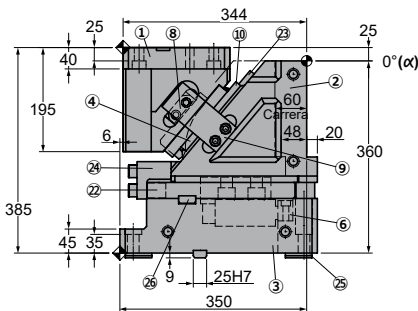
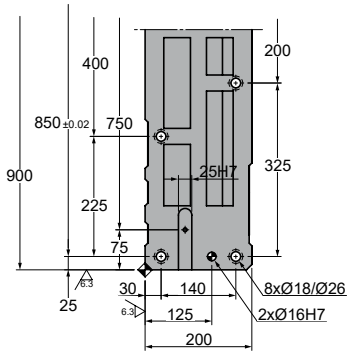


LSLD 0900-1000

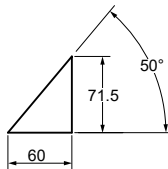
Die mounted cam for pierce and flange



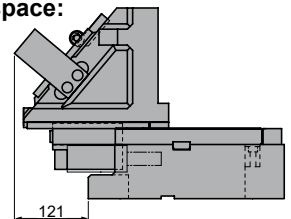
LSLD 0900 00
LSLD 1000 00



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	571	LSLD	0900	00
					579		1000	



Order: Model (W) (α)

LSLD 0900 00

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

⊗ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

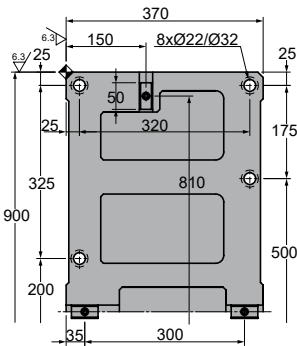
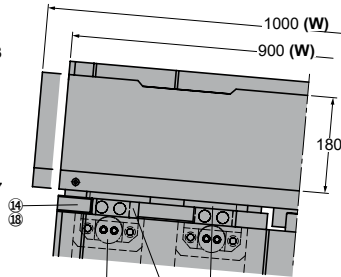
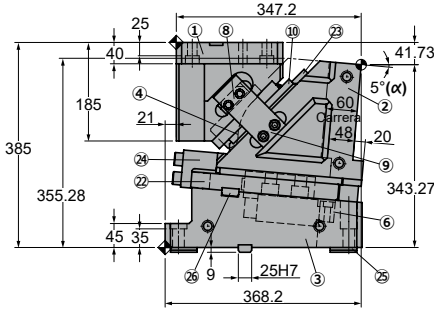
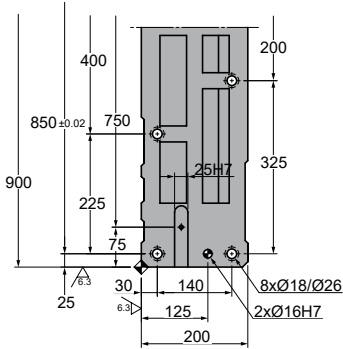
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	CK45
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0900-1000

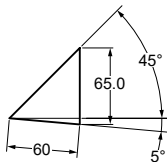
Die mounted cam for pierce and flange



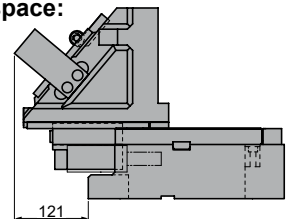
LSLD 0900 05 LSLD 1000 05



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	560	LSLD	0900	05
					569			


Order: Model (W) (α)
LSLD 0900 05

 Standard order example according to catalog sheet.
 Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

28 Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

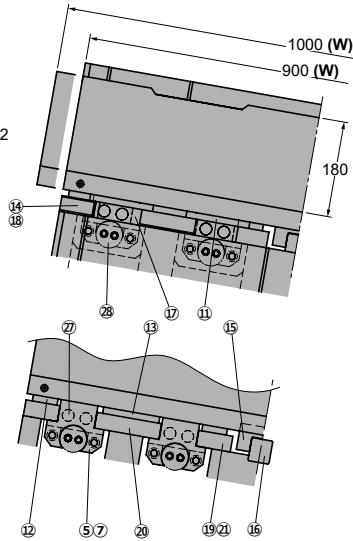
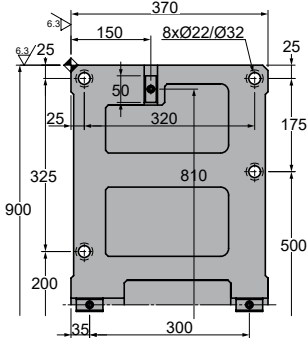
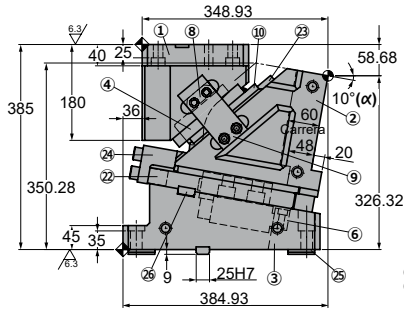
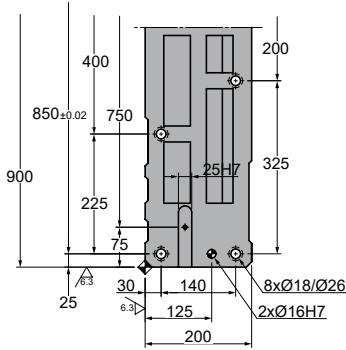
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	CK45
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0900-1000

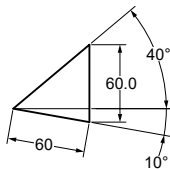
Die mounted cam for pierce and flange



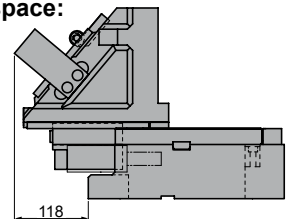
LSLD 0900 10 LSLD 1000 10



◦Cam diagram:



◦Desassembling space:



Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	551	LSLD	0900	10
					560			



Order: Model (W) (α)

LSLD 0900 10

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

⊗ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

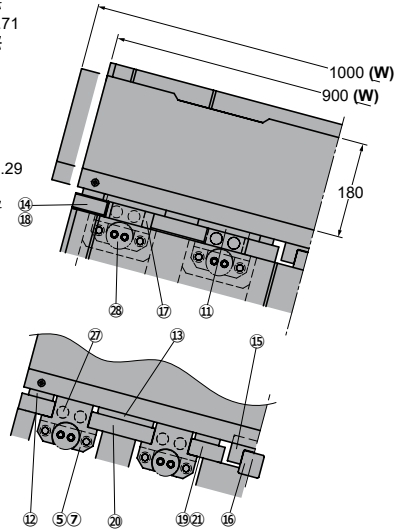
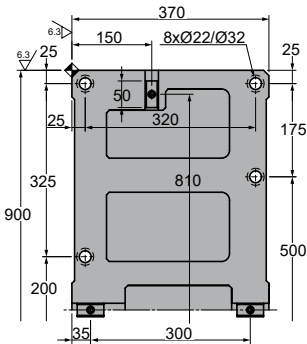
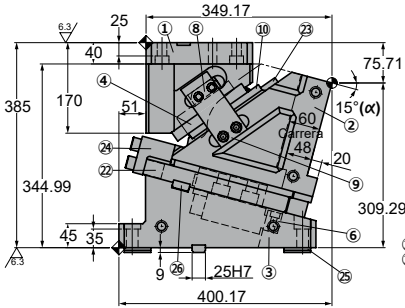
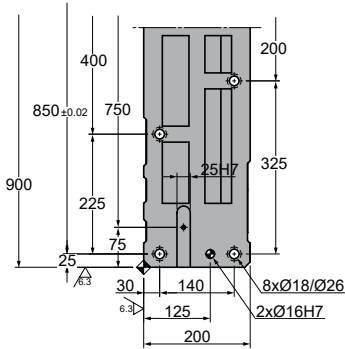
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	CK45
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0900-1000

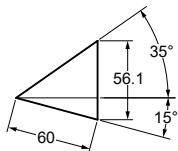
Die mounted cam for pierce and flange



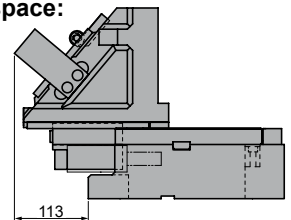
LSLD 0900 15 LSLD 1000 15



◦Cam diagram:



◦Desassembling space:





LSLD 0900-1000

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	543	LSLD	0900	15
					551			



Order: Model (W) (α)

LSLD 0900 15

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

⊗ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

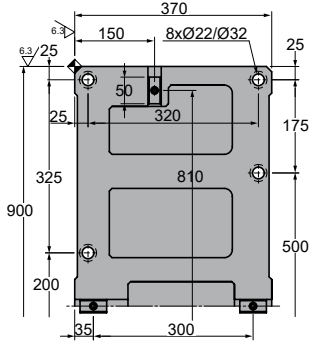
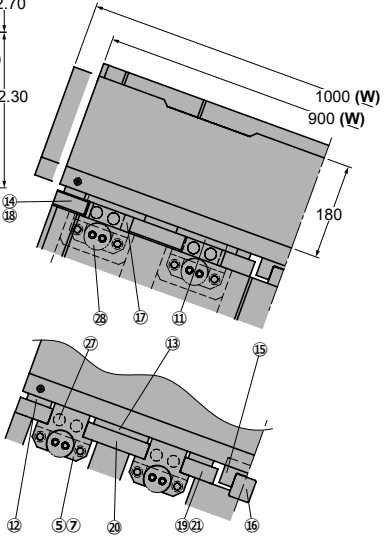
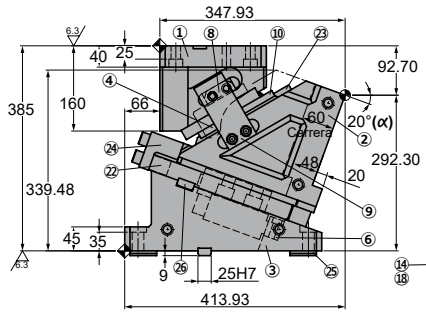
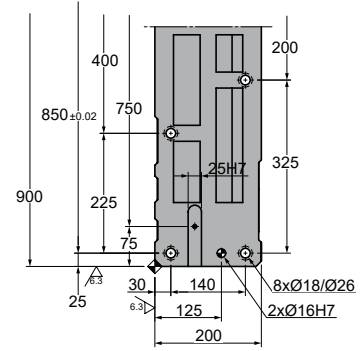
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	CK45
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0900-1000

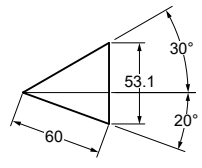
Die mounted cam for pierce and flange



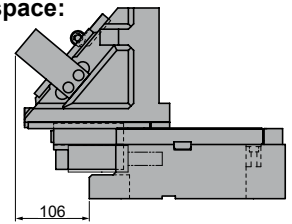
LSLD 0900 20 LSLD 1000 20



◦Cam diagram:



◦Desassembling space:





LSLD 0900-1000

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F ₀	Final F ₁				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	536	LSLD	0900	20
					544			



Order: Model (W) (α)

LSLD 0900 20

Standard order example according to catalog sheet. Add options applying options table contents.

OPTIONS

Order Options: Model (W) (α)-Option



SPARE PARTS:

⊗ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	CK45
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	2	FD 750 063

LSLD 0900-1000

AZOL
GAS 

Die mounted cam for pierce and flange

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