

The structural parts of NITROGAS Aerial Cams are assembled with high quality cast iron. Designed for a long service life, since the wear surfaces are mounted with CuZn25Al5Mn4Fe3-C bronze plates with embedded solid lubricants against heat treated sliding faces.

The design for easy assembly promotes and prioritizes spare parts interchangeability, ensuring the longest service life of the cam.

Aerial Cam Units are assembled with mechanical positive return, to ensure a secure return. An integrated gas or coil spring ensures the return of the slider.

Aerial Cams are recommended when there is not enough space available in the lower die and when using high working angles ($>20^\circ$). As the movement of the press is transformed by a wedge, aerial cam units are applicable for long strokes (<120 mm) and large loads (<100 tnf).

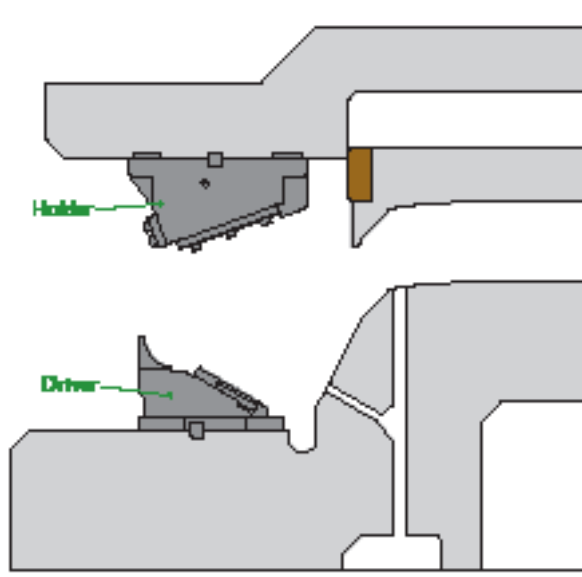
NITROGAS offers engineering support referring to cam applications for die designers and builders.

CAD files of Aerial Cam Units can be downloaded for FREE from our website: www.nitrogas.com

Installation

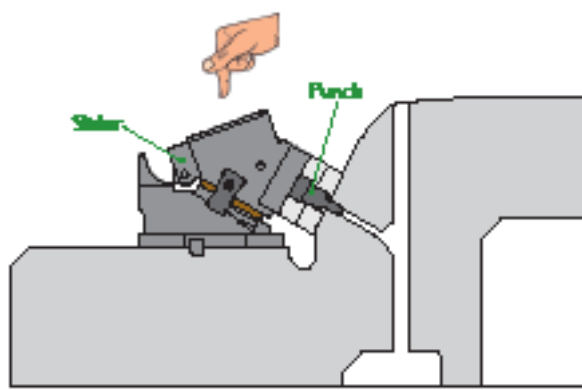
STEP 1

- 1 Drill the required holes in the die for the cam holder and the driver.
- 2 Fix the cam holder and cam driver in the die.
- 3 Remove the cam slider from the cam holder.

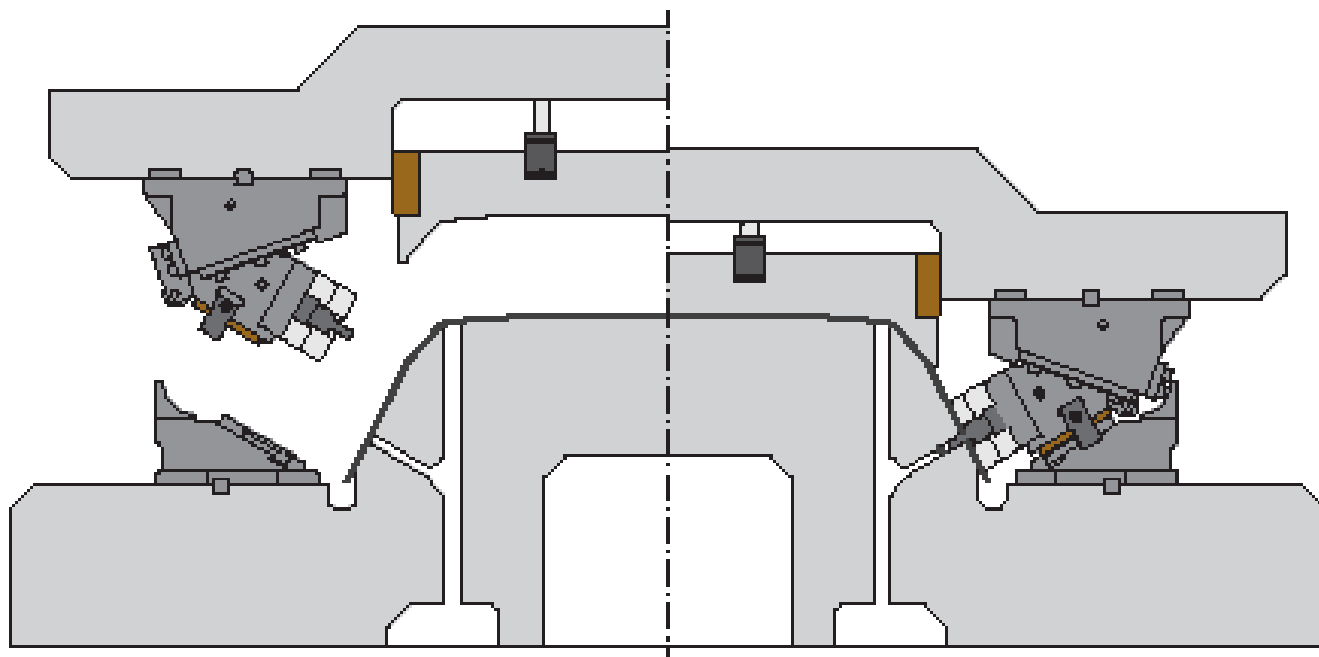


STEP 2

- 4 Locate the punch in the cam slider and set in the fixed driver.
- 5 Move the slider with the punch along the driver and fix the punch to the slider.
- 6 Mount the slider on the cam holder.



Example of work



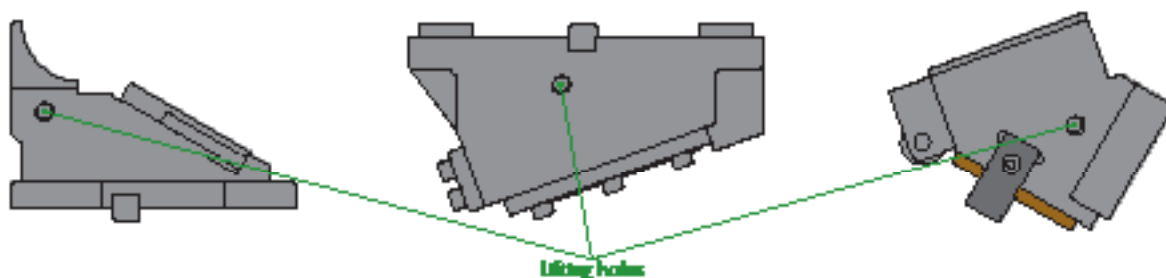
Spare parts available for all Aerial Cam Units.
The center of the load must be located as much centered as possible.



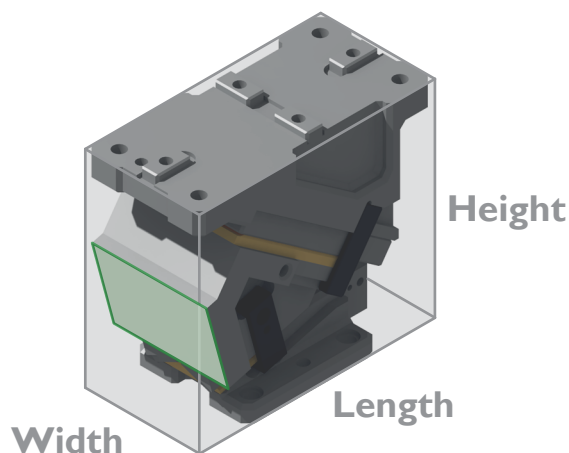
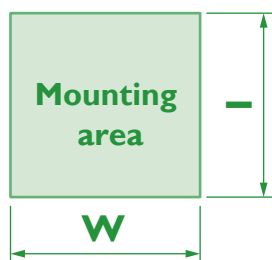
Maximum press speed 1.6 m/s
Maximum cadence (at 20°C) 40 strokes/min

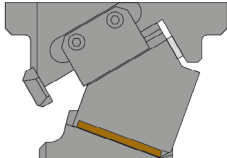
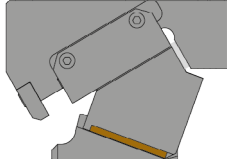
Handling

NITROGAS Aerial Cams include lifting holes for easier handling.



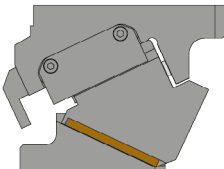
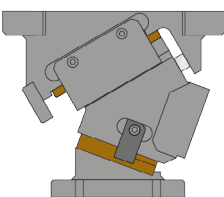
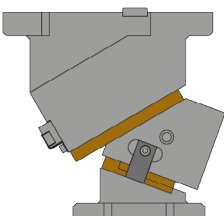
Aerial cams overview

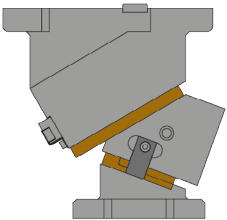
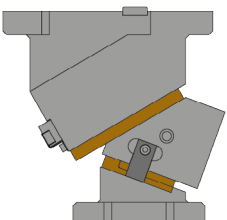


Model	Mounting area		θ °	S mm	Working Force tnf	Spring Force kgf	Overall Dimensions			Weight kg
	W mm	L mm					Width mm	Height mm	Length mm	
CACS 	52	60	00	19.3	1 - 3	100	52	125	175	5.3
			05	21.3						5.2
			10	23.3						5.1
			15	25.4						5
			20	27.6						
			25	30						
			30	32.6						4.9
			35	35.4						
			40	38.6						
			45	42.3					179	5
			50	46.7						
			55	52.3						
			60	60						
			65	47.3						
			70	58.5						5.9
			75	46.3						
		70	80	57.5				150	205	7.8
										7.7
CACD 	52	60	00	30.2	1 - 3	92	52	135	185	6.4
			05	31.9						6.1
			10	35						6
			15	38.2						5.8
			20	41.5						5.7
			25	45						5.5
			30	48.8						
			35	53.1						
			40	57.9						5.5
			45	54.9						5.3
			50	60.7					192	5.4

Mounting area

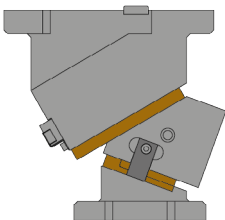
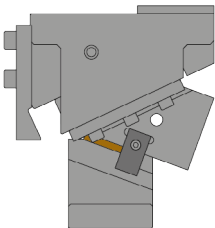
Overall Dimensions

Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg						
CACSA 	52	75	00	30.2	3 - 6	317	52	160	196.5	8.8						
			05	33.4					199.35	8.6						
			10	36.6					206.41	8.7						
			15	39.9					210.48	9						
			20	43.3					212.07	8.9						
			25	47					213.68	8.8						
			30	51					215.31	8.6						
			35	55.4					215.99	8.8						
			40	60.4					212.24	8.9						
			45	66.2					213.57	9.1						
			50	73.1					205	8.8						
			55	64.5					215	8.9						
			60	54					200	8.5						
			CACT 	65					90	00	22.5	7 - 14	611	65	230	275
05	22.6	18.6														
10	27.2	17.4														
15	27.8	17.5														
20	32.3	16.6														
25	33.4	16.8														
30	38	16.9														
35	40.2	290			17											
40	45				16.4											
45	48.7				16.6											
50	54.5				15.9											
55	61				16.1											
60	70	300			16.4											
65	68.5	335			18											
70	67.2															
75	69.5					20										
CACC 	50	75			00	30.2	2 - 4	280		50	200		257			12.7
					05	30.5							250			12.3
			10	30.3	240	11.8										
			15	30.5		11.5										
			20	30.4		11.3										
			25	30		11.1										
			30	32.6		10.9										
			35	35.4		10.6										
			40	38.6		10.8										
			45	42.3		11.2										
			50	46.7		11.6										
			55	52.1	255	12										
			60	59.1		190			9.5							
			65	58.3		185			9.3							
			70	57.6		185			9							
	65	65	00	15		65			180							
			05	15.1												
			10	15.2												

Mounting area					Overall Dimensions										
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg					
CACC 	65	65	15	15.5	2 - 4	280	65	180	180	8.8					
			20	16.5					176.51	8.6					
			25	17.1					172.94	8.5					
			30	18.5					177.78	8.3					
			35	19.6					173.29						
			40	21.5					170.78						
			45	23.3				170	8.1						
			50	26.5				175							
			55	29.7				180		8.4					
			60	35				190							
			65	41.4				195	9.3						
			70	51.1				202							
	80	86	00	32.1	4 - 8	560	80	270		270	25.9				
			05	38.4					272.93	26.3					
			10	38.9					279.92	26.6					
			15	39.7					285.93	25.1					
			20	46.1					285.9	25.3					
			25	47.8					289.8						
			30	54.3					282.59						
			35	57.4					284.27	23.4					
			40	64.3					274.8	22.4					
			45	69.6					274.2						
			50	77.8					270	21.6					
			55	87.2					270	21.7					
			60	98.5		275			23.2						
			65	81.6		275			23.7						
			70	86.4		280			23.9						
			150	85		00			32.1	9 - 14	1100	150	280	280	45.4
						05			32.3					288.26	45.9
						10			38.9					285.54	44.4
	15	39.7			291.79	44.9									
	20	46.1			286.97	43.2									
	25	47.8			291.02	43.7									
	30	54.3			283.92	42.2									
	35	57.4			285.66	42.7									
	40	64.3			280	41									
	45	69.6				41.4									
	50	77.8				40.5									
	55	87.2				40.9									
	60	98.5				41.5									
	65	93.2				42.2									
	70	86.4			285	43.5									
CACF 	80	86			00	32.1	6 - 11	700	80		270			270	25.9
					05	38.4								272.93	26.3
					10	38.9								279.92	26.6
			15	39.7	285.93	25.1									
			20	46.1	285.9	25.3									
			25	47.8	289.8										
			30	54.3	282.59										
			35	57.4	284.27	23.2									
						23.4									

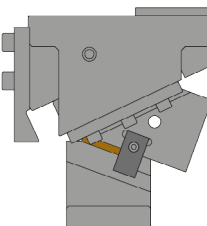
Mounting area

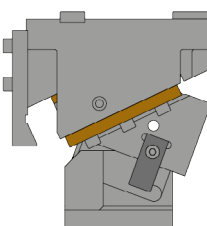
Overall Dimensions

Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg
CACF 	80	86	40	64.3	6 - 11	700	80	270	274.8	22.4
			45	69.6					274.2	
			50	77.8					270	21.6
			55	87.2						21.7
			60	98.5					275	23.2
			65	81.6						23.7
			70	86.4					280	23.9
	00	32.1	45.4							
	05	32.3	288.26	45.9						
	10	38.9	285.54	44.4						
	15	39.7	291.79	44.9						
	20	46.1	286.97	43.2						
	25	47.8	291.02	43.7						
	30	54.3	283.92	42.2						
	35	57.4	285.66	42.7						
	40	64.3	280	41						
	45	69.6		41.4						
	50	77.8		40.5						
	55	87.2		40.9						
	60	98.5		41.5						
	65	93.2		42.2						
	70	86.4		285	43.5					
	CACU 	65	80	00	26.9	2 - 4	109		115	210
90			05	27	116		217.01	19.8		
80			10	31.6			220.8	19.3		
90			15	32.2			227.77	19.6		
80			20	33.8			222.1	18.1		
90			25	35			228.75	18.4		
80			30	33.5		217.63	17.7			
90			35	35.4		223.76	18			
80			40	42.9		212.72	16.9			
90			45	46.5	218.13	17.1				
			50	54.5	106	214	16.8			
			55	43.6			17.8			
100			60	50			17.3			
110			65	47.3			18.5			
100			70	58.5	4 - 9	91	18.4			
		100	00	28.3		574	273	47		
		140	05	28.4		627		47.8		
		100	10	33.3			44.9			
		140	15	33.9		287.35	47.1			
		100	20	30.9		608	274	44.8		
		140	25	32			287.26	46.5		
		120	30	33.5		273	44.1			
		140	35	35.4		572	285.34	45.4		
		120	40	39			273			
		140	45	42.3			280.41	41.7		
			50	46.7			5 - 10	572	41.2	

Mounting area

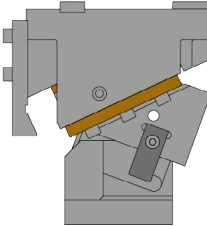
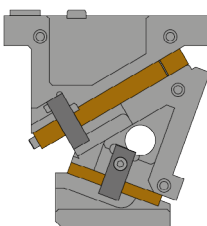
Overall Dimensions

Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg
CACU 	100	140	55	52.3	5 - 10	572	160	280	272	44
			60	60						42.5
			65	47.3						43
			70	58.5						41.8
	200	100	00	28.3	10 - 20	2297	260		273	81.5
		130	05	28.4						82.3
		100	10	33.3		2506				75.7
		130	15	33.9						80.5
		100	20	30.9		2432				76.1
		130	25	32						80.1
		120	30	33.5						77
		140	35	35.4						80.9
		120	40	39	12 - 24	2289				71.4
		140	45	42.3						74.7
			50	46.7						71.6
			55	52.3						78.6
			60	60				73.9		
			65	47.3		2236			77.2	
			70	58.5					72.2	

CACK 	65	80	00	26.9	2 - 4	550	115	210	209.94	20.5	
		90	05	27					217.01	20.8	
		80	10	31.6					220.8	20.3	
		90	15	32.2					227.77	20.6	
		80	20	33.8					222.1	19.1	
		90	25	35					228.75	19.4	
		80	30	33.5					217.63	18.7	
		90	35	35.4					223.76	19	
		80	40	42.9					212.72	17.9	
		90	45	46.5					218.13	18.1	
		90	50	54.5						17.8	
		100	55	43.6					530	214	18.8
			60	50		18.3					
			65	47.3		19.5					
		100	100	70		58.5			4 - 9	1120	160
	100			00	28.3	273	49.4				
	140			05	28.4		50.2				
	100		10	33.3	47.3						
	140		15	33.9	287.35	49.5					
	100		20	30.9	274	47.2					
	140		25	32	287.26	48.9					
	120		30	33.5	273	46.5					
	140		35	35.4	285.34	47.8					
	120		40	39	273						
	140		45	42.3	280.41	44.1					
			50	46.7		43.6					
			55	52.3	708	46.4					
			60	60		44.9					
			65	47.3	272	45.4					
				1060							

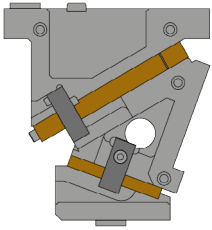
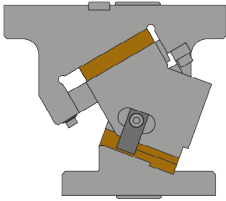
Mounting area

Overall Dimensions

Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg			
CACK 	100	140	70	58.5	4 - 9	1060	160	280	272	44.2			
	200	100	00	28.3	9 - 19	2240	260		273	82.9			
		130	05	28.4		83.7							
		100	10	33.3		77.1							
		130	15	33.9		81.9							
		100	20	30.9		77.5							
		130	25	32		81.5							
		120	30	33.5		78.4							
		140	35	35.4		82.3							
		120	40	39		72.8							
		140	45	42.3		280.41				76.1			
			50	46.7		272				73			
			55	52.3						80			
	60		60	75.3									
	65		47.3	78.6									
	70		58.5	2120	73.6								
	CACW 	200	180	00	38.6		12 - 24		1400	200	350	340	95
				05	42.6	94.8							
				10	46.7	94.6							
15				50.9	93.3								
20				55.3	340.76	92.7							
30				65.1	347.83	94.2							
40				77.1	351.17	93.7							
50				93.3	354.77	97.3							
60		120		385	137.2								
300		00		38.6	20 - 40	2800	300	340	135.9				
		05		42.6					135.7				
		10		46.7					133				
		15		50.9					340.76	131.5			
		20		55.3					347.83	131			
		30		65.1					351.17	133.3			
		40		77.1					354.77	130.9			
		50		93.3					385	136.1			
		60		120					25 - 50	400		340	191.1
		00		38.6									189.3
		05		42.6									188
		10		46.7									186.1
15		50.9		340.76	185.3								
20		55.3		347.83	185.8								
30		65.1		351.17	191.9								
40		77.1		354.77	191.8								
400		50		93.3	32 - 64		4200	500	340	201.1			
		60		120						222.3			
		00		38.6						220.4			
		05		42.6						218.8			
		10		46.7						216.3			
		15		50.9						340.76		215.1	
		20		55.3									

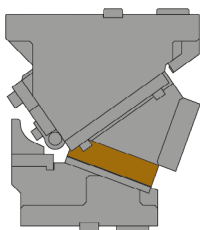
Mounting area

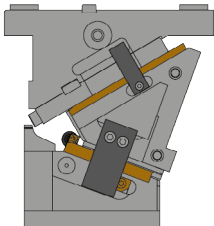
Overall Dimensions

Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg						
CACW 	500	180	30	65.1	32 - 64	4200	500	350	347.83	216.1						
			40	77.1					351.17	220.4						
			50	93.3					354.77	220.1						
			60	120					385	236.5						
	600		00	38.6	40 - 80	5600	600		340	281.4						
			05	42.6						277.9						
			10	46.7						274.1						
			15	50.9						272.3						
			20	55.3						340.76	268.8					
			30	65.1						347.83	276.6					
			40	77.1						351.17	285.2					
			50	93.3						354.77	283.5					
			60	120						385	295.6					
			CACG 	50						65	00	15	3 - 6	280	50	180
		05						15.6			220	10.3				
10	9.9															
15	17	9.7														
20	18.4	9.4														
25	18	210			9.2											
30	17.4				9.1											
35	18.9				9											
55	40				20.6	225	9.5									
	45	22.5			235	9.7										
	50	23.3			245	10										
	55	26.1			190	10.7										
	60	31.5			185	10.4										
	65	36.6			182.5	10.2										
	65	56		00	15	65	175	175	9.9							
05			15.6	172.4	9.6											
10				171.78	9.5											
15			17	170	9.9											
20			18.4	185	11.1											
30			19.5	305	34											
40			23.1	295	32											
50			24.9	280												
60			32	277.58												
80			90	00	30.2			5 - 10	540	80	270	273.34	30			
				05	30.5							270		29		
	10	31.1		270	30											
	15	33.9		530		270	29									
	20	32.3			270	30										
	25	35			270		30									
	30	34.7			270	30										
	35	37.7			270		30									
	40	39.9		270	30											
	45	43.7		270		30										
50	46.7	270	30													
55	53.8	270		30												

Mounting area

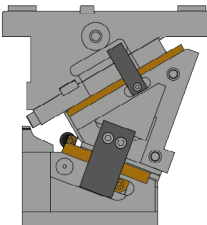
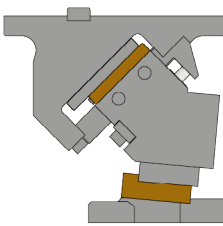
Overall Dimensions

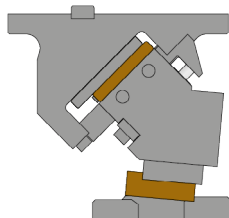
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg			
CACG 	80	90	60	61.1	5 - 10	530	80	270	290	31			
			65	70.9					300	32			
	150	120	00	28.6	15 - 30	1100	240	355	325	117.6			
			05	32.2						114			
			10	35.9						113.4			
			15	39.6						111.9			
			20	43.5						111.3			
			25	47.7						111.2			
			30	52.3						110.2			
			35	57.3						113.1			
			40	63						114.7			
			45	69.6						115.8			
			50	77.4						117.5			
			55	87.1									
			60	99.6						122			
			65	116.5						126			
	200		120	00		28.6	15 - 30		1400	270	355	325	129.7
				05		32.2							126.6
				10		35.9							124.8
				15		39.6							127.4
				20		43.5							123.2
				25		47.7							123
				30		52.3							121.7
				35		57.3							125.3
				40		63							126.8
				45		69.6							127.9
				50		77.4							129.8
				55		87.1							132.6
				60		99.6							135.1
				65		116.5							138.9
	300	160		00	28.6	30 - 60		2800	340	355		325	184.5
				05	32.2								181
				10	35.9								178.7
				15	39.6								177.3
				20	43.5								176
				25	47.7								174.9
				30	52.3								173.8
				35	57.3								178.7
				40	63								181.6
				45	69.6								184.5
				50	77.4								188.1
				55	87.1								193.4
				60	99.6								197.6
				65	116.5								202.9

Mounting area					Overall Dimensions					
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg
CACL 	500	180	00	38.6	32	2200	500	385	370	265.6
			05	42.6						262.4
			10	46.7						261
			15	50.9						260.2
			20	55.3						260.7
			25	60						260.8
			30	65.1						264.4
			35	70.8						269.9
			40	77.1						274.5
			45	84.5						281.6
			50	93.3						282
			55	104.6						291.5
	60		120	300.1						
	600		00	38.6			272.4			
			05	42.6			269.2			
			10	46.7			267.9			
			15	50.9			267.1			
			20	55.3			267.6			
			25	60			267.7			
			30	65.1			271.3			
			35	70.8			276.7			
			40	77.1			281.3			
			45	84.5			288.5			
			50	93.3			288.9			
			55	104.6			299.2			
	60		120	308.7						
	700		00	38.6	362.6					
			05	42.6	358.9					
			10	46.7	357.2					
			15	50.9	357					
			20	55.3	356.1					
			25	60	357.3					
			30	65.1	362.7					
			35	70.8	370.6					
			40	77.1	377					
			45	84.5	383.6					
			50	93.3	386.5					
			55	104.6	400.8					
	60		120	412.7						
	800		00	38.6	369.4					
			05	42.6	365.7					
			10	46.7	364					
			15	50.9	363.8					
			20	55.3	363					
			25	60	364.2					
			30	65.1	369.5					
			35	70.8	377.4					
			40	77.1	383.8					

Mounting area

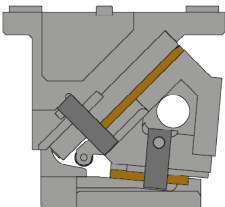
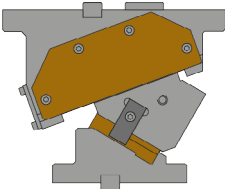
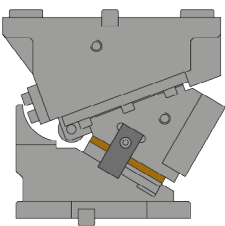
Overall Dimensions

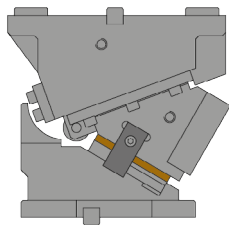
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg		
CACL 	800	180	45	84.5	48	3300	800		410	390.4		
			50	93.3					430	393.4		
			55	104.6						408.3		
			60	120					438.77	421.2		
	900		00	38.6	64	4400	900	385	370	463.3		
			05	42.6						459.2		
			10	46.7						457.7		
			15	50.9						457.8		
			20	55.3						459.7		
			25	60						461.5		
			30	65.1						467.8		
			35	70.8								
			40	77.1						385		
			45	84.5						400		
			50	93.3						410		
			55	104.6						430		
			60	120						438.77		
			1000				00		38.6	370	470.2	
							05		42.6		466.1	
							10		46.7		464.6	
							15		50.9		464.7	
							20		55.3		466.5	
							25		60		468.4	
							30		65.1		474.7	
							35		70.8			
							40		77.1		385	
							45		84.5		400	
							50		93.3		410	
							55		104.6		430	
							60		120		438.77	
CACN 	70	75	00	19.3	10	280	70	225	252	16.1		
			05	21.3					242	15.4		
			10	23.3					240	14.8		
			15	25.4						14.1		
			20	27.6								
			25	30						14		
			30	32.6						13.8		
			35	35.4						13.7		
			40	38.6								
			45	42.3					242	13.8		
			50	46.7					261	13.9		
			55	43.6					263	14.1		
			60	50					275	14.5		
	80		00	32.1	17		80	275	305	27.9		
			05	35.5					295	27.5		
			10	38.9					280	26.9		
			15	42.4					280.48	26.5		

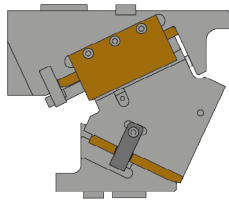
Mounting area					Overall Dimensions											
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg						
CACN 	80	75	20	46.1	17	280	80	275	276.16	26						
			25	50					271.47	25.9						
			30	54.3					270	25.3						
			35	59						25						
			40	64.3						24.7						
			45	70.4						24.9						
			50	77.8						25.8						
			55	78.5					26.2							
			60	80												
			165	120					00	32.1	30	540	165	300	340	76.1
	05	35.5			74.2											
	10	38.9			73.8											
	15	42.4			73.1											
	20	46.1			72.3											
	25	50			72.1											
	30	54.3			71.9											
	35	59			72.2											
	40	64.3			350	72.4										
	45	70.4			365	65.5										
	50	77.8			355	64.3										
	55	87.2			372	65.2										
	60	100			385	66.6										
	200	120			00	32.1	36	710	200	340						90.3
					05	35.5										88
					10	38.9										87.5
					15	42.4										87
				20	46.1	85.8										
			25	50	86.2											
			30	54.3	85.6											
			35	59	86.2											
			40	64.3	350	86.6										
			45	70.4	365	88										
	50	77.8	355	78.2												
	55	87.2	372	80.5												
	60	100	385	82.4												
	300	160	00	38.6	46	1420	300	375	328		153.2					
			05	42.6					320		152.5					
			10	46.7					324.13		151.4					
			15	50.9					325.82		154.1					
			20	55.3					327.08	148.2						
			25	60					334.71	150.2						
			30	65.1					327.83	147.3						
35			70.8	334.51					148							
40			77.1	330.46					146.2							
45			84.5	347.84					148.6							
50			79.3	355					122.5							
55			88.9	405					130.9							
60			102						135.3							

Mounting area

Overall Dimensions

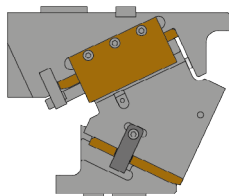
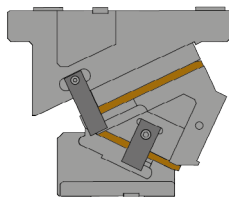
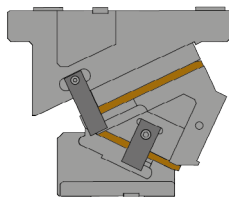
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg		
CACN 	400	160	00	38.6	46	1420	400	375	328	160.2		
			05	42.6					320	159.5		
			10	46.7					324.13	158.4		
			15	50.9					325.82	161.1		
			20	55.3					327.08	155.2		
			25	60					334.71	157.3		
			30	65.1					327.83	154.3		
			35	70.8					334.51	155		
			40	77.1					330.46	153.3		
			45	84.5					347.84	155.6		
			50	79.3					355	127.7		
			55	88.9					405	135.9		
			60	102						140.4		
			CACN-F  	50					80	00	26	9
05	28	18.5										
10	31	18										
15	34	17.5										
20	37	17										
25	40	17.5										
30	43	18										
35	47	17.5										
40	51	17										
45	56	17.5										
50	62	18										
55	70	17.5										
60	60	295			18							
75	100	00			32	15	560	97		275	320	
		05		35	37							
		10		39	36							
		15		42	35.8							
		20		46	35.3							
		25		50	34.5							
		30		54	34							
		35		59	34.5							
		40		64	34.5							
		45		70	35							
		50		78	35							
		55		70	35							
		60		80	334				35			
		150		120	00				32			18
05	35				330.08	77.5						
10	39				329.2	76						
15	42				334.82	74.5						
20	46				333.88	73.5						
25	50				331.32	71.7						
30	54				332.11	72.3						
35	59				330.69	72						

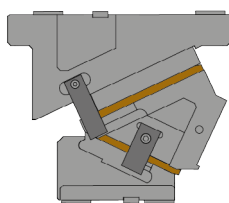
Mounting area					Overall Dimensions					
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg
CACN-F 	150	120	40	64	18	560	165	300	329.02	72
			45	70					359.55	71.5
			50	78					327.74	71
			55	87					239.05	70
			60	100					336.45	70
			00	32					341	105.5
	200		05	35	330.08	104.8				
			10	39	329.2	108.8				
			15	42	334.82	101				
			20	46	333.88	99.5				
			25	50	331.32	97				
			30	54	332.11	97.8				
			35	59	330.69	97.5				
			40	64	329.02	97				
			45	70	359.55	97				
			50	78	327.74	96.8				
			55	87	329.05	95				
			60	100	342	94.8				
			300	00	38	413	195			
				05	42	393.39	195.6			
	10			46	390.81	193				
	15			51	388.2	191.5				
	20			55	385.51	183.7				
	25			50	372.66	176				
	30			54	369.61	173				
	35			59	367.79	173				
	40			64	365.66	172				
	45			70	363.15	172				
	50			78	386	170				
	55		87	413.5	169					
	60		100	421	168					

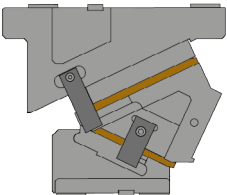
CACV 	60	100	00	19.3	7	280	60	225	277	20.8	
			05	21.3						20.5	
			10	23.3						19.7	
			15	25.4						19.3	
			20	27.6						18.9	
			25	30						18.8	
			30	32.6						18.4	
			35	35.4						17.7	
			40	38.6						17.5	
			45	42.3						17.6	
			50	46.7						17.5	
			55	52.3						17.6	
			60	60						17.9	
			65	71						282	18.6
			70	58.5						292	18.8
			75	77.3						302	19.7

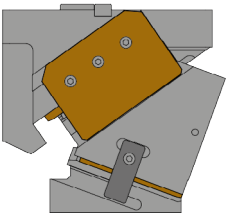
Mounting area

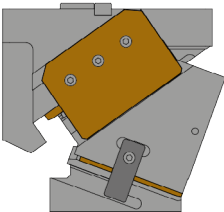
Overall Dimensions

Model		W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg						
CACV		85	110	00	19.3	10	560	85	225	277	28.2						
				05	21.3						27.5						
				10	23.3						26.6						
				15	25.4						26.3						
				20	27.6					277	26.1						
				25	30						25.3						
				30	32.6						24.4						
				35	35.4						24						
				40	38.6						24.7						
				45	42.3						24.6						
				50	46.7						25.4						
				55	52.3						25.7						
				60	60						26.2						
				65	71					28.3							
				70	58.5		550			282	292	51.5					
				75	77.3		550			302	50.4						
					110		145			00	32.1	15	560	110	275	330	50.2
										05	35.5						51.3
	10	38.9	49.7														
	15	42.4	49														
	20	46.1	360			49.5											
	25	50				48.6											
	30	54.3				46.3											
	35	59				46.6											
	40	64.3				45.4											
	45	70.4				46.5											
	50	77.8				47.9											
	55	87.2	345			48.9											
	60	100	355			50.8											
	65	94.6	365			52.6											
	70	81.9	550			375	75.1										
	75	108.2	550			360	72.9										
		165	115				00	32.1	17	1100	165		300			360	72.1
							05	35.5									71.6
				10	38.9		70.3										
				15	42.4		69.8										
				20	46.1		69										
				25	50		69.4										
				30	54.3		69.3										
				35	59		70.3										
				40	64.3		69.1										
				45	70.4		68.1										
				50	77.8		68.3										
				55	61		70										
				60	40	367	71.7										
				65	47.3	375	73.5										
				70	58.5	385											
				75	58	395											

Mounting area					Overall Dimensions					
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg
CACV 	200	115	00	32.1	22	1100	200	300	360	91.6
			05	35.5						88.9
			10	38.9						88
			15	42.4						87
			20	46.1						85.5
			25	50						85.9
			30	54.3						85
			35	59						84.8
			40	64.3						85.8
			45	70.4						85.7
			50	77.8						84.7
			55	52.3						85.7
			60	60						84.2
			65	71						86.7
			70	58.5						88.8
			75	77.3						91.1
	250	115	00	32.1	29	2200	250	300	360	113
			05	35.5						110.5
			10	38.9						109.6
			15	42.4						108.4
			20	46.1						107.1
			25	50						106
			30	54.3						105.8
			35	59						107
			40	64.3						108.2
			45	70.4						108.5
			50	77.8						107.4
			55	52.3						106.3
			60	60						106.4
			65	71						109.4
			70	58.5						112.5
			75	77.3						115.5
	300	155	00	38.6	37		300	375	395	167.1
			05	42.6						163.8
			10	46.7						161.9
			15	50.9						160.1
			20	55.3						157.9
			25	60						158.6
			30	65.1						157.1
			35	70.8						158.5
			40	77.1						159.4
			45	84.5						159
			50	93.3						157.7
			55	104.6						162.3
			60	120						166.9
			65	94.6						171.7
			70	73.1						176.8
			75	96.6						182.2

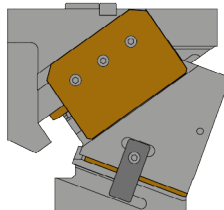
Mounting area					Overall Dimensions					
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg
CACV 	350	155	00	38.6	41	2800	350	375	395	212.4
			05	42.6					409.62	214.7
			10	46.7					414.52	207
			15	50.9					408.6	204.5
			20	55.3					422.92	205.3
			25	60					421.53	203.9
			30	65.1					418.5	203.5
			35	70.8					415.89	204.6
			40	77.1					410.78	207.1
			45	84.5					410	209.7
			50	93.3					420	210.9
			55	87.2					430	208.7
			60	90					445	214.1
			65	94.6					450	218.5
			70	87.7					460	225.5
	75	96.6	465	230.9						
	400	155	00	38.6	45	3300	400	375	395	224.6
			05	42.6					390	221.3
			10	46.7					394.13	218.7
			15	50.9					395.82	215.7
			20	55.3					397.08	212.8
			25	60					404.71	214
			30	65.1					408.22	212.7
			35	70.8					404.52	215
			40	77.1					400.46	216.2
			45	84.5					400	217.3
			50	93.3					410	216.6
			55	104.6					423	224
			60	120					440	232.2
			65	94.6					458	239.3
			70	73.1					475	247.6
			75	96.6					495	252.9

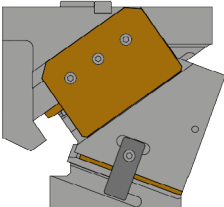
CACV-F 	60	100	00	19.3	14	280	60	210	205	13
			05	21.3						
			10	21.5						
			15	23.8						
			20	24.5						
			25	27.1						
			30	30						
			35	31.7						
			40	35.5					220	14
			45	38.5					235	
			50	43.9					220	
			55	49.2						
			60	58						
			65	68.6					15	
			70	70.6					14	

Mounting area					Overall Dimensions						
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg	
CACV-F 	60	100	75	76.1	14	280	60	210	235	15	
	85	120	00	30.9	29	560	85	225	255	27	
			05	34.1						26	
			10	34.5						259.24	25
			15	38.1							27
			20	41.8							26
			25	43.4					285	25	
			30	48							24
			35	50.8							25
			40	56.8					265		24
			45	42.3							25
			50	48.2						267.02	24
			55	54.1					265	25	
			60	63.8					275	26	
			65	75.4					290	49	
			70	95						292.94	48
			75	95.1						300.41	47
			00	30.9						307.8	45
	05	34.1	302.93	47							
	10	34.5	309.61	45							
	15	38.1	316.06	46							
	20	41.8	322.23	45							
	25	43.4	311.62	46							
	30	48	309.74	45							
	35	50.8	302.27	45							
	40	56.8	305.96	45							
	45	61.5	295	47							
	50	48.2		45							
	55	54.1		45							
	60	63.8	310	65							
	65	75.4		63							
	70	95		313.81	65						
	150	160	00	32.1	59	710	150	300	321.7	64	
			05	35.5					329.51	63	
			10	35.9					350	67	
			15	39.7					352.11	68	
			20	43.6					364.66	67	
			25	45.2					371.87	64	
			30	50					340	65	
			35	52.9						347.32	67
			40	59.2						353.59	70
			45	64.1					340	68	
			50	73.1						359.15	68
			55	81.9						340	68
			60	96.6							
			65	91.4							
			70	84.7							

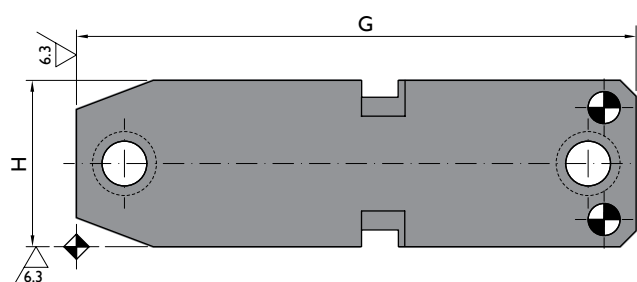
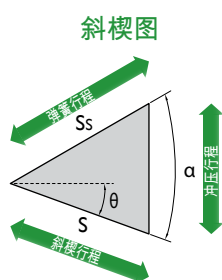
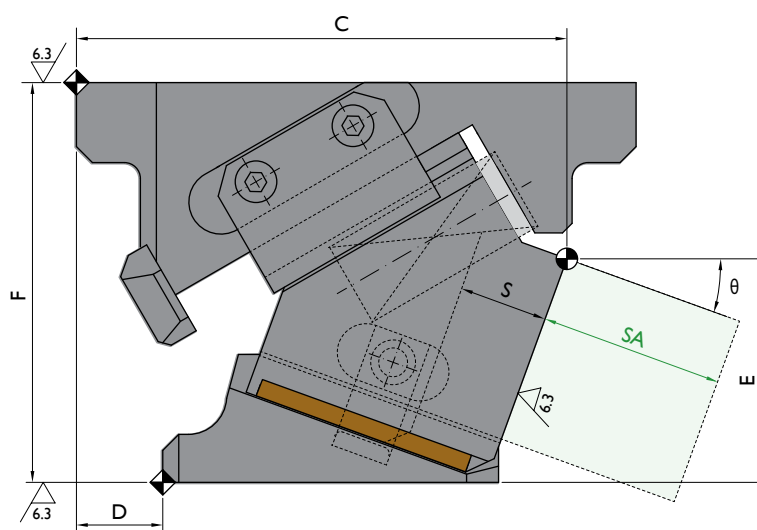
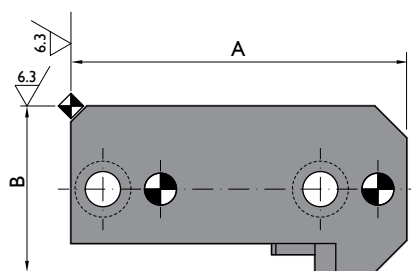
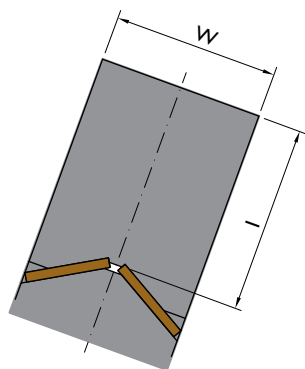
Mounting area

Overall Dimensions

Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg				
CACV-F 	150	160	75	76.1	59	710	150	300	340	68				
	180		00	32.1	61		180		310	78				
			05	35.5					313.81	77				
			10	35.9					321.7	78				
			15	39.7					329.51					
			20	43.6					350	80				
			25	45.2					352.11	83				
			30	50					364.66					
			35	52.9					371.87	78				
			40	59.2					340	80				
			45	64.1					347.32	78				
			50	73.1					353.59	81				
			55	81.9					359.15	83				
			60	96.6					340	85				
			65	91.4					74	1100	220	300	320	94
			70	84.7									323.81	
			75	76.1									331.7	
			00	32.1									337.8	
	05		35.5	360	95									
	220		10	35.9	362.94		98							
			15	39.7	373.16		99							
			20	43.6	365		98							
			25	45.2			99							
			30	50					371.66					
			35	52.9					367.84					
			40	59.2					372.05					
			45	64.1	365				100					
			50	73.1	78		2400		260	300	320	110		
			55	81.9							323.81	111		
			60	96.6							331.7	112		
			65	91.4							337.8	114		
			70	100.8							360	115		
			260	75	95.1		362.94		116					
				00	32.1		373.16		115					
				05	35.5		365			117				
				10	35.9						371.66			
	15			39.7	367.84									
	20			43.6	372.05									
	25			45.2	78				2400		260	300	320	110
	30			50			323.81			111				
	35			52.9			331.7			112				
	40			59.2			337.8			114				
	45			64.1			360			115				
	50			73.1	362.94		116							
	55			81.9	373.16		115							
	60			96.6	365				117					
	65			91.4						371.66				
	70			100.8						367.84				
				372.05										

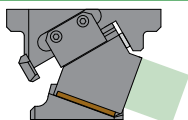
Mounting area					Overall Dimensions					
Model	W mm	L mm	θ °	S mm	Working Force tnf	Spring Force kgf	Width mm	Height mm	Length mm	Weight kg
CACV-F 	260	160	75	95.1	78	2400	260	300	365	119
	330	180	00	37.3	104	4000	330	375	415	224
			05	41.2					418.81	216
			10	41.6					426.7	214
			15	46					415	209
			20	50.6					417.16	205
			25	52.4					424.61	204
			30	58					427.78	203
			35	61.3					438.66	450
			40	68.6		208				
			45	74.3		211				
			50	84.8		224				
			55	95		228				
			60	112.1		223				
			65	102.9		269				
			70	127.1		263				
			75	114.2		4000			400	262
	00	37.3	415	254						
	05	41.2	418.81	248						
	10	41.6	426.7	249						
	15	46	415	248						
	20	50.6	417.16	250						
	25	52.4	424.61	244						
	30	58	427.78	252						
	35	61.3	438.66	450	250					
	40	68.6	256							
	45	74.3	274							
	50	84.8	273							
	55	95	268							
	60	112.1								
	65	102.9								
	70	127.1								
	75	114.2								





Available Options

SA



Additional slider length available
l - 60 mm
(1 mm steps)

CACS

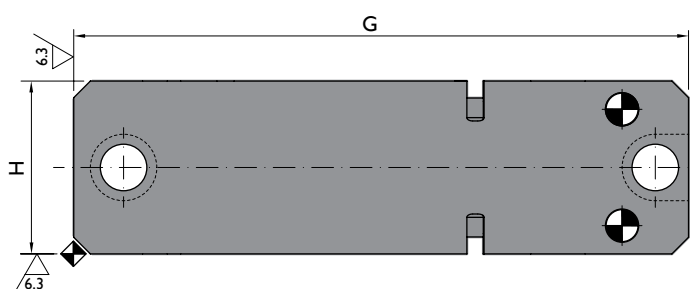
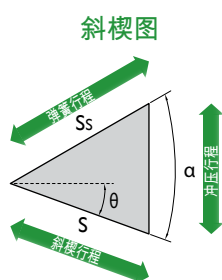
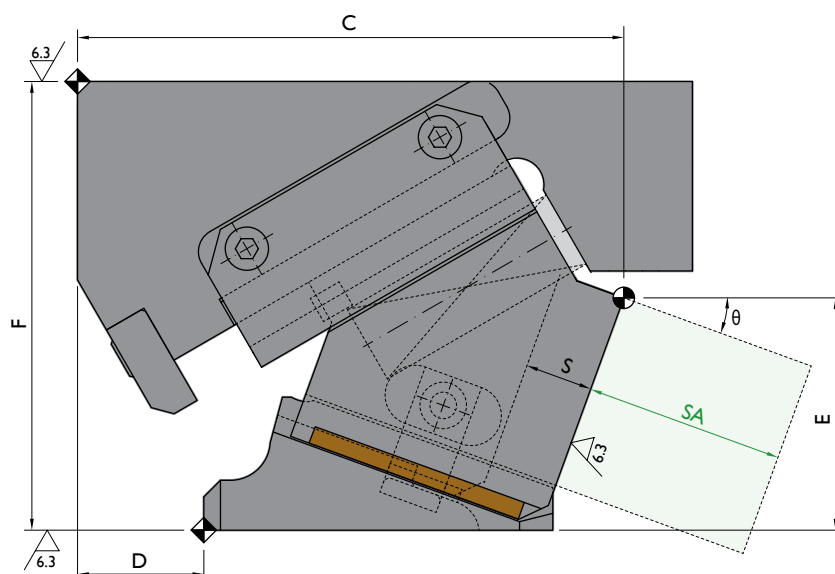
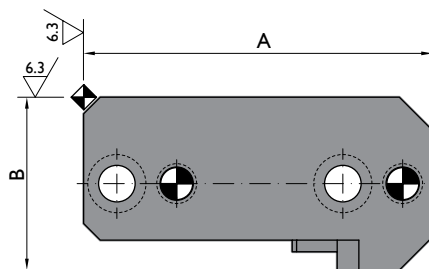
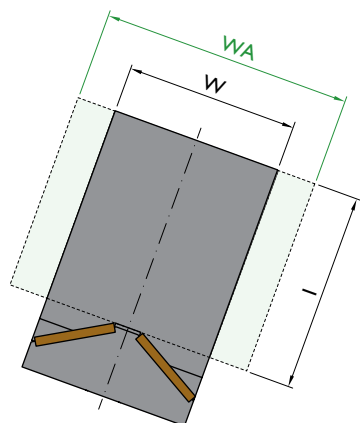
52

SA1 - SA2 - ... - SA60

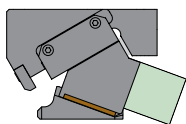
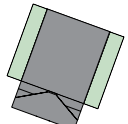
Ordering example: CACS-W-θ-SA
CACS-52-20
CACS-52-20-SA45

(Standard dimensions)
(Additional slider length (45 mm))

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 1,000,000 strokes	300,000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACS 52 00	52	00	19.3	1	3	5.3	100	105	52	150	45	82	125	175	52	60	30	50
CACS 52 05	52	05	21.3	1	3	5.2	100	105	52	153.1	42	79.79	125	175	52	60	30	50
CACS 52 10	52	10	23.3	1	3	5.1	100	105	52	153.55	37	77.17	125	175	52	60	30	50
CACS 52 15	52	15	25.4	1	3	5	100	105	52	153.32	32	74.18	125	175	52	60	30	50
CACS 52 20	52	20	27.6	1	3	5	100	105	52	153.38	27	69.9	125	175	52	60	30	50
CACS 52 25	52	25	30	1	3	5	100	105	52	154.71	20	66.38	125	175	52	60	30	50
CACS 52 30	52	30	32.6	1	3	5	100	105	52	153.28	17	61.69	125	175	52	60	30	50
CACS 52 35	52	35	35.4	1	3	4.9	100	105	52	152.09	10	57.9	125	175	52	60	30	50
CACS 52 40	52	40	38.6	1	3	5	100	105	52	149.14	4	53.07	125	175	52	60	30	50
CACS 52 45	52	45	42.3	1	3	5	100	105	52	145.41	-4	49.27	125	175	52	60	30	50
CACS 52 50	52	50	46.7	1	3	5	100	105	52	143.92	-9	45.57	125	175	52	60	30	50
CACS 52 55	52	55	52.3	1	3	5	100	105	52	144.67	-10	42.03	125	175	52	60	30	55
CACS 52 60	52	60	60	1	3	5.2	100	105	52	150.69	-9	34.72	125	175	52	60	30	60
CACS 52 65	52	65	47.3	1	3	5.9	100	105	52	130.16	-45	25.46	125	175	52	60	20	65
CACS 52 70	52	70	58.5	1	3	5.9	100	105	52	133.62	-40	18.03	125	175	52	60	20	70
CACS 52 75	52	75	46.3	1	3	7.8	100	111	52	148.74	-30	25.41	150	175	52	70	12	75
CACS 52 80	52	80	57.5	1	3	7.7	100	110	52	148.74	-30	25.41	150	175	52	70	10	80



Available Options

SA		WA	
 Additional slider length available l - 60 mm (1 mm steps)		 Additional mounting width available	
SA1 - SA2 - ... - SA60		WA65	

Ordering example: CACD-W-θ-SA-WA

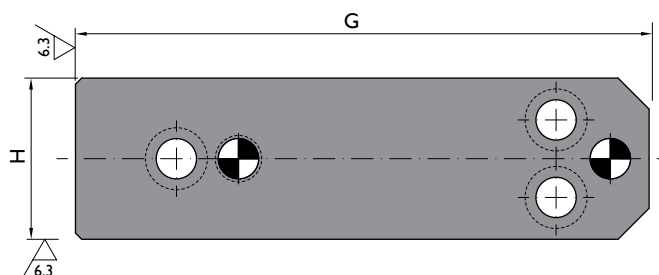
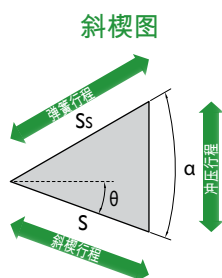
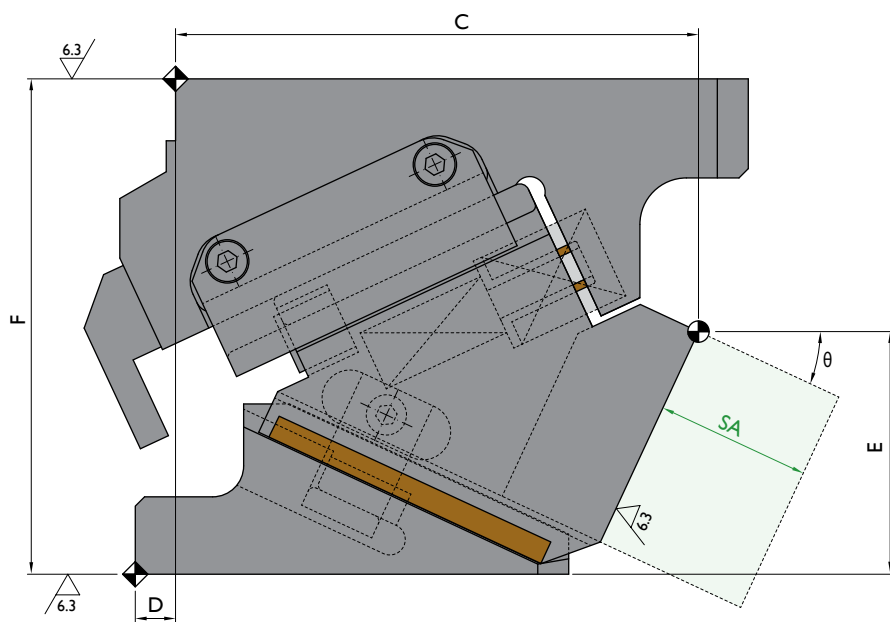
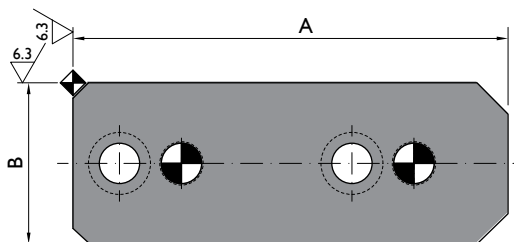
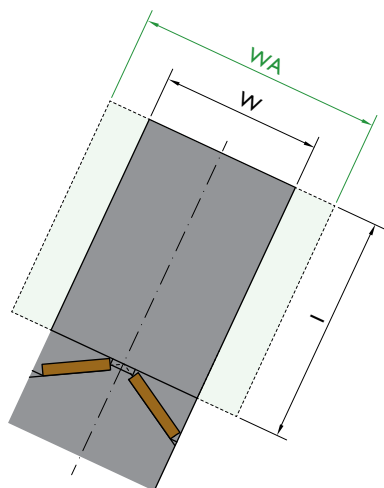
CACD-52-05

(Standard dimensions)

CACD-80-05-SA59-WA65

(Additional slider length (59 mm) and additional mounting width (65mm))

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
				1,000,000 strokes	300,000 strokes													
CACD 52 00	52	00	30.2	I	3	6.4	92	105	52	161	56	82	135	185	52	60	47	50
CACD 52 05	52	05	31.9	I	3	6.1	92	105	52	162.1	51	79.79	135	185	52	60	45	50
CACD 52 10	52	10	35	I	3	6	92	105	52	162.55	46	77.17	135	185	52	60	45	50
CACD 52 15	52	15	38.2	I	3	5.8	92	105	52	164.32	43	74.18	135	185	52	60	45	50
CACD 52 20	52	20	41.5	I	3	5.7	92	105	52	164.38	38	69.9	135	185	52	60	45	50
CACD 52 25	52	25	45	I	3	5.5	92	105	52	162.71	28	66.38	135	185	52	60	45	50
CACD 52 30	52	30	48.8	I	3	5.5	92	105	52	160.28	24	61.69	135	185	52	60	45	50
CACD 52 35	52	35	53.1	I	3	5.4	92	105	52	158.09	16	57.9	135	185	52	60	45	50
CACD 52 40	52	40	57.9	I	3	5.5	92	105	52	153.14	8	53.07	135	185	52	60	45	50
CACD 52 45	52	45	54.9	I	3	5.3	92	105	52	139.41	-10	49.27	135	175	52	60	39	50
CACD 52 50	52	50	60.7	I	3	5.4	92	105	52	135.92	-17	45.57	135	175	52	60	39	50



Available Options

	SA	WA	P	
	Additional slider length available l - 50 mm (1 mm steps)	Additional mounting width available	Pin holes diameters available	
			Standards	Options
CACSA 52	SA1 - SA2 - ... - SA50	WA80 / WA120	Ø13 H7	P12 (Ø12 H7)

Ordering example: CACSA-W-θ-SA-WA-P

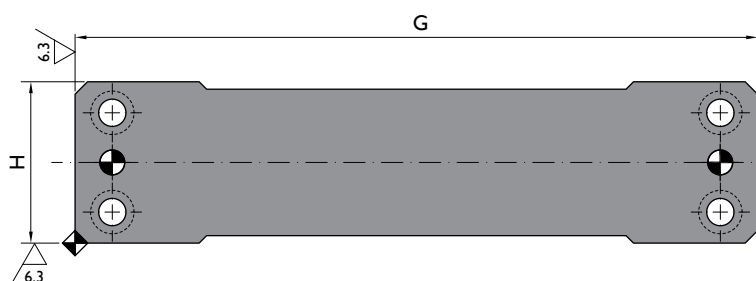
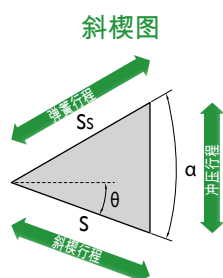
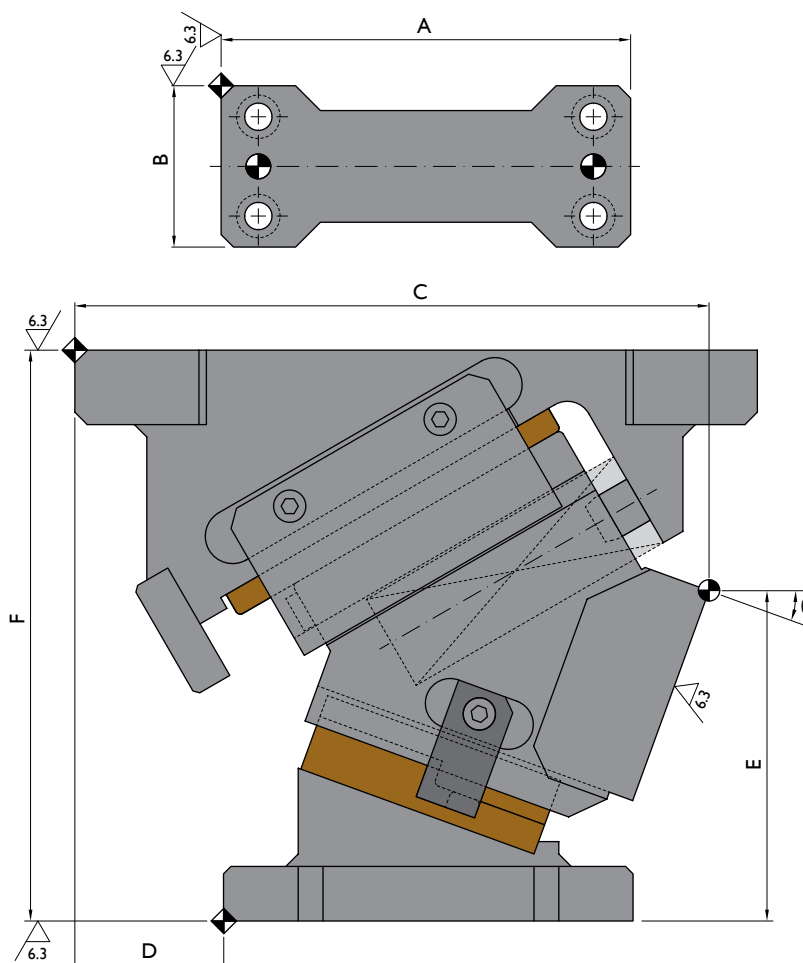
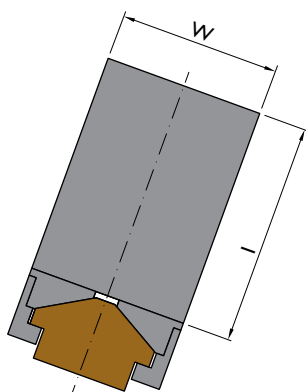
CACSA-52-30

(Standard dimensions)

CACSA-52-30-SA38-WA120

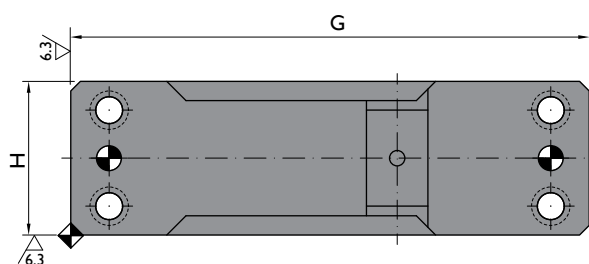
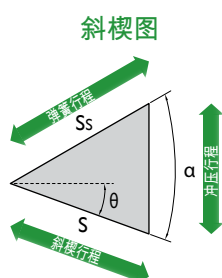
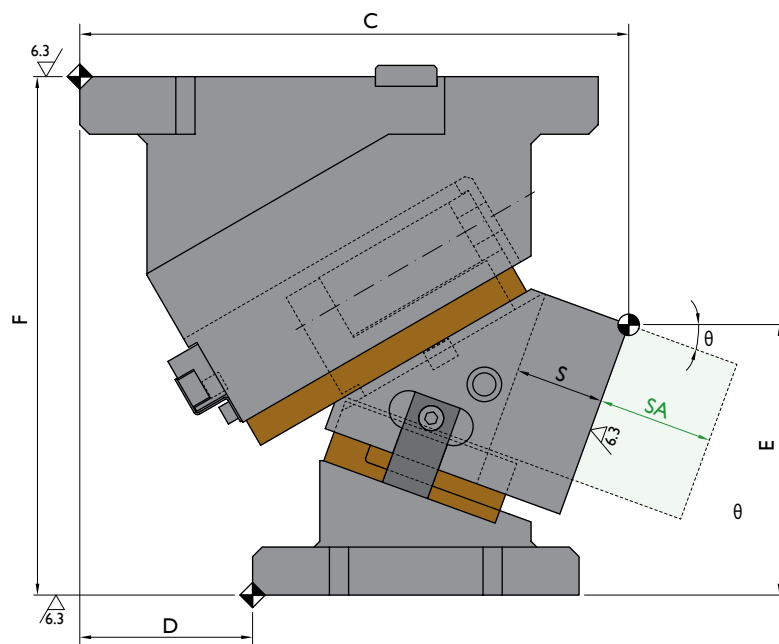
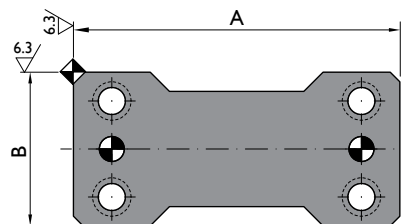
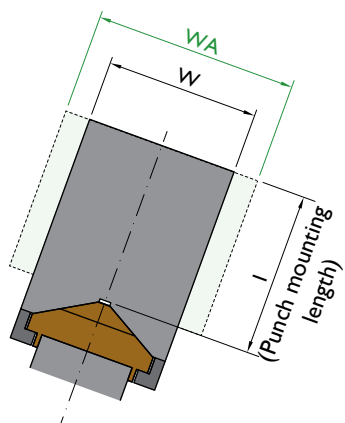
(Additional slider length (38 mm), additional mounting width (120mm), pin holes Ø12 H7)

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
				1,000,000 strokes	300,000 strokes													
CACSA 52 00			30.2	3	6	8.8	317	125	52	160	-35	118	160	175	52	75	47	50
CACSA 52 05			33.4	3	6	8.6	317	130	52	161.1	-25	106.69	160	175	52	75	47	50
CACSA 52 10			36.6	3	6	8.7	317	130	52	159.28	-15	97.89	160	175	52	75	47	60
CACSA 52 15			39.9	3	6	9	317	130	52	168.99	-17.5	93.68	160	185	52	75	47	50
CACSA 52 20			43.3	3	6	8.9	317	140	52	169.72	0	83.14	160	185	52	75	47	50
CACSA 52 25			47	3	6	8.8	317	140	52	168.92	13	78.37	160	185	52	75	47	50
CACSA 52 30			51	3	6	8.6	317	140	52	166.59	17.5	74.45	160	185	52	75	47	50
CACSA 52 35			55.4	3	6	8.8	317	140	52	163.72	30	67.48	160	185	52	75	47	50
CACSA 52 40			60.4	3	6	8.9	317	115	52	163.8	10	61.53	160	185	52	75	47	50
CACSA 52 45			66.2	3	6	9.1	317	115	52	157.35	23	55.22	160	185	52	75	47	50
CACSA 52 50			73.1	3	6	8.8	317	115	52	159.37	15	56.11	160	185	52	75	47	50
CACSA 52 55			64.5	3	6	8.9	317	115	52	152.53	30	48.91	160	185	52	75	37	55
CACSA 52 60			54	3	6	8.5	317	90	52	142.95	15	46.9	160	185	52	75	27	60

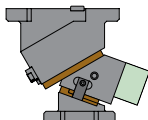
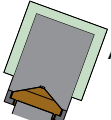
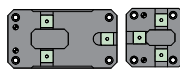


Ordering example: CACT-W- θ
CACT-65-10

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
				1,000,000 strokes	300,000 strokes													
CACT 65 00	65	00	22.5	7	14	18.4	611	165	65	255	95	150.8	230	275	65	90	35	50
CACT 65 05	65	05	22.6	7	14	18.6	611	165	65	265.68	95	147.71	230	275	65	90	35	55
CACT 65 10	65	10	27.2	7	14	17.4	611	165	65	256.04	75	143.71	230	275	65	90	35	50
CACT 65 15	65	15	27.8	7	14	17.5	611	165	65	266.02	75	138.82	230	275	65	90	35	55
CACT 65 20	65	20	32.3	7	14	16.6	611	165	65	255.53	60	133.07	230	275	65	90	35	50
CACT 65 25	65	25	33.4	7	14	16.8	611	165	65	264.51	60	126.52	230	275	65	90	35	55
CACT 65 30	65	30	38	7	14	16.9	611	165	65	252.88	40	119.21	230	290	65	90	35	50
CACT 65 35	65	35	40.2	7	14	17	611	165	65	260.58	40	111.2	230	290	65	90	35	55
CACT 65 40	65	40	45	7	14	16.4	611	165	65	242.56	20	107.55	230	290	65	90	35	50
CACT 65 45	65	45	48.7	7	14	16.6	611	165	65	248.75	20	98.33	230	290	65	90	35	55
CACT 65 50	65	50	54.5	7	14	15.9	611	165	65	236.28	0	104.02	230	290	65	90	35	50
CACT 65 55	65	55	61	7	14	16.1	611	165	65	240.78	0	93.86	230	290	65	90	35	55
CACT 65 60	65	60	70	7	14	16.4	611	165	65	234.5	-10	84.69	230	290	65	90	35	60
CACT 65 65	65	65	68.5	7	14	18	605	165	65	231.79	-45	83.28	230	290	65	90	29	65
CACT 65 70	65	70	67.2	7	14	18	598	165	65	228.97	-45	82.11	230	290	65	90	23	70
CACT 65 75	65	75	69.5	7	14	20	536	165	65	233.82	-45	62.21	230	290	65	90	18	75



Available Options

		SA	WA	TAK	P	
		 Additional slider length available I - 60 mm (1 mm steps)	 Additional mounting width available	 Additional key available for holder and driver (T shaped)	 Pin holes diameters available	
					Standards	Options
CACC	50	SA1 - SA2 - ... - SA60	WA65	-	Ø13 H7	P12 (Ø12 H7)
CACC	65	SA1 - SA2 - ... - SA60	-	-	Ø10 H7	-
CACC	80	SA1 - SA2 - ... - SA60	WA100 / WA120	-	Ø13 H7	P16 (Ø16 H7)
CACC	150	-	-	TAK	Ø13 H7	P16 (Ø16 H7)

Ordering example: CACC-W-θ-SA-WA-TAK-P

CACC-80-20

(Standard dimensions)

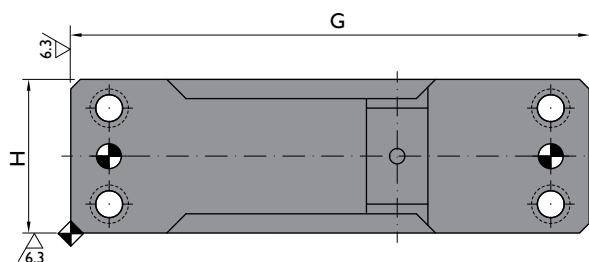
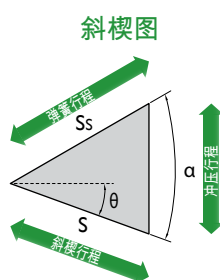
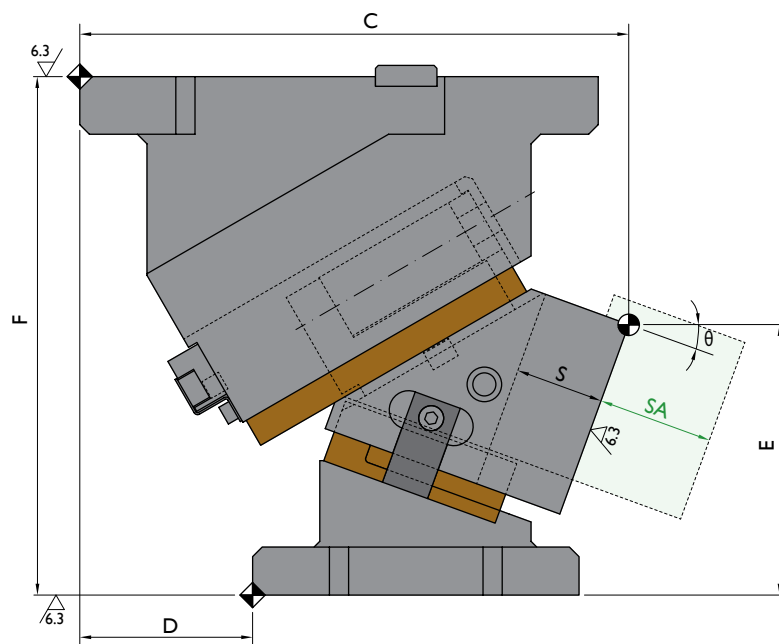
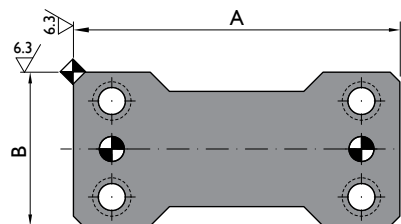
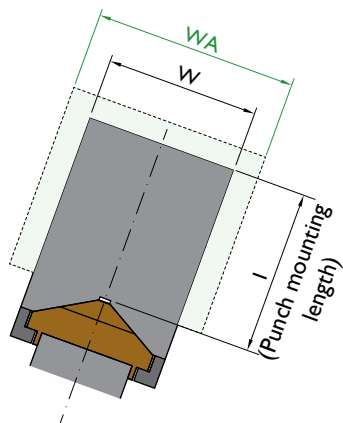
CACC-80-20-SA57-WA100

(Additional slider length (57 mm) and additional mounting width (100 mm))

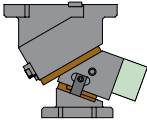
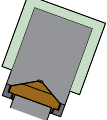
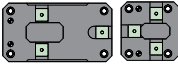
Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACC 50 00	50	00	30.2	2	4	12.7	280	150	50	225	107	122.5	200	240	50	75	47	50
CACC 50 05	50	05	30.5	2	4	12.3	280	150	50	226.91	100	121.67	200	240	50	75	43	50
CACC 50 10	50	10	30.3	2	4	11.8	280	150	50	223.72	90	120.07	200	240	50	75	39	50
CACC 50 15	50	15	30.5	2	4	11.8	280	150	50	224.36	85	117.71	200	240	50	75	36	50
CACC 50 20	50	20	30.4	2	4	11.5	280	150	50	220.76	70	114.61	200	240	50	75	33	50
CACC 50 25	50	25	30	2	4	11.3	280	150	50	215.85	58	110.78	200	240	50	75	30	50
CACC 50 30	50	30	32.6	2	4	11.1	280	150	50	213.58	55	105.27	200	240	50	75	30	50
CACC 50 35	50	35	35.4	2	4	10.9	280	150	50	204.89	35	103.1	200	240	50	75	30	50
CACC 50 40	50	40	38.6	2	4	10.9	280	150	50	206.72	30	97.31	200	240	50	75	30	50
CACC 50 45	50	45	42.3	2	4	10.6	280	150	50	202.01	20	96.94	200	240	50	75	30	50
CACC 50 50	50	50	46.7	2	4	10.6	280	150	50	195.73	10	94.06	200	240	50	75	30	50
CACC 50 55	50	55	52.1	2	4	10.8	280	150	50	189.83	0	83.7	200	240	50	65	30	50
CACC 50 60	50	60	59.1	2	4	11.2	280	150	50	179.27	-15	74.92	200	240	50	65	30	50
CACC 50 65	50	65	58.3	2	4	11.6	280	150	50	176.6	-32	73.13	200	240	50	75	25	55
CACC 50 70	50	70	57.6	2	4	12	280	150	50	177	-38	64.17	200	240	50	75	20	60
CACC 65 00	65	00	15	2	4	9.5	280	130	65	170	60	127	180	170	65	65	21.2	45
CACC 65 05	65	05	15.1	2	4	9.3	280	130	65	171.41	55	119.73	180	170	65	65	19.6	45
CACC 65 10	65	10	15.2	2	4	9	280	130	65	177.16	55	116.94	180	170	65	65	18.3	45
CACC 65 15	65	15	15.5	2	4	8.8	280	130	65	177.2	50	113.67	180	170	65	65	17.3	45
CACC 65 20	65	20	16.5	2	4	8.6	280	130	65	176.51	40	109.99	180	170	65	65	17.1	45
CACC 65 25	65	25	17.1	2	4	8.5	280	130	65	172.94	35	104.36	180	170	65	65	17.1	50
CACC 65 30	65	30	18.5	2	4	8.3	280	130	65	177.78	30	101.68	180	170	65	65	16.6	45
CACC 65 35	65	35	19.6	2	4	8.3	280	130	65	173.29	20	96.75	180	170	65	65	16.6	50
CACC 65 40	65	40	21.5	2	4	8.1	280	130	65	170.78	10	97.56	180	170	65	65	16.5	45
CACC 65 45	65	45	23.3	2	4	8.1	280	130	65	165.5	2.5	93.49	180	170	65	65	16.5	50
CACC 65 50	65	50	26.5	2	4	8.4	280	130	65	165.41	-5	93.21	190	170	65	65	17.1	45
CACC 65 55	65	55	29.7	2	4	8.4	280	130	65	159.51	-10	90.11	190	170	65	65	17.1	50
CACC 65 60	65	60	35	2	4	9.3	280	130	65	156.68	-20	89.22	210	170	65	65	18.1	45
CACC 65 65	65	65	41.4	2	4	9.3	280	130	65	150.33	-25	87.2	210	170	65	65	18.1	50
CACC 65 70	65	70	51.1	2	4	9.5	280	130	65	146.45	-32	78.32	210	170	65	65	18.1	55
CACC 80 00	80	00	32.1	4	8	25.9	560	165	80	260	100	171	270	270	80	86	50	50
CACC 80 05	80	05	38.4	4	8	26.3	560	165	80	272.93	100	160.61	270	270	80	86	50	45
CACC 80 10	80	10	38.9	4	8	26.6	560	165	80	279.92	100	149.57	270	270	80	86	50	50
CACC 80 15	80	15	39.7	4	8	25.1	560	165	80	285.93	100	137.96	270	270	80	86	50	55
CACC 80 20	80	20	46.1	4	8	25.3	560	165	80	285.9	90	140.88	270	270	80	86	50	50
CACC 80 25	80	25	47.8	4	8	25.3	560	165	80	289.8	90	128.4	270	270	80	86	50	55
CACC 80 30	80	30	54.3	4	8	23.2	560	165	80	282.59	75	135.64	270	270	80	86	50	50
CACC 80 35	80	35	57.4	4	8	23.4	560	165	80	284.27	75	122.68	270	270	80	86	50	55
CACC 80 40	80	40	64.3	4	8	22.4	560	165	80	274.8	60	129.62	270	270	80	86	50	50
CACC 80 45	80	45	69.6	4	8	22.4	560	165	80	274.2	60	116.56	270	270	80	86	50	55
CACC 80 50	80	50	77.8	4	8	21.6	560	165	80	262.46	35	118.61	270	270	80	86	50	50
CACC 80 55	80	55	87.2	4	8	21.7	560	165	80	259.6	35	105.86	270	270	80	86	50	55
CACC 80 60	80	60	98.5	4	8	23.2	560	165	80	240.64	0	93.41	270	270	80	86	50	50
CACC 80 65	80	65	81.6	4	8	23.7	550	165	80	235.61	-5	81.35	270	270	80	86	35	55
CACC 80 70	80	70	86.4	4	8	23.9	550	165	80	227.83	-10	74.47	270	270	80	86	30	60

Order No.			Main Features						General Dimensions									
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
				1,000,000 strokes	300,000 strokes													
CACC	150	00	32.1	9	14	45.4	1100	150	150	280	120	185	270	280	150	85	50	50
CACC	150	05	32.3	9	14	45.9	1100	150	150	288.26	115	174.16	270	280	150	85	50	55
CACC	150	10	38.9	9	14	44.4	1100	150	150	285.54	105	167.64	270	280	150	85	50	50
CACC	150	15	39.7	9	14	44.9	1100	150	150	291.79	105	155.53	270	280	150	85	50	55
CACC	150	20	46.1	9	14	43.2	1100	150	150	286.97	90	147.93	270	280	150	85	50	50
CACC	150	25	47.8	9	14	43.7	1100	150	150	291.02	90	134.92	270	280	150	85	50	55
CACC	150	30	54.3	9	14	42.2	1100	150	150	283.92	70	131.6	270	280	150	85	50	50
CACC	150	35	57.4	9	14	42.7	1100	150	150	285.66	70	118.09	270	280	150	85	50	55
CACC	150	40	64.3	9	14	41	1100	150	150	276.2	45	114.47	270	280	150	85	50	50
CACC	150	45	69.6	9	14	41.4	1100	150	150	275.56	45	100.86	270	280	150	85	50	55
CACC	150	50	77.8	9	14	40.5	1100	150	150	263.74	25	102.35	270	280	150	85	50	50
CACC	150	55	87.2	9	14	40.9	1100	150	150	260.74	25	89.06	270	280	150	85	50	55
CACC	150	60	98.5	9	14	41.5	1100	150	150	246.6	0	76.08	270	280	150	85	50	50
CACC	150	65	93.2	9	14	42.2	1100	150	150	241.35	0	63.51	270	280	150	85	40	55
CACC	150	70	86.4	9	14	43.5	1100	150	150	240.01	-5	51.44	270	280	150	85	30	60





Available Options

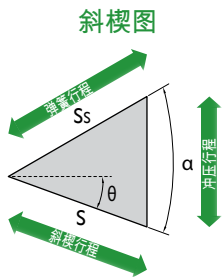
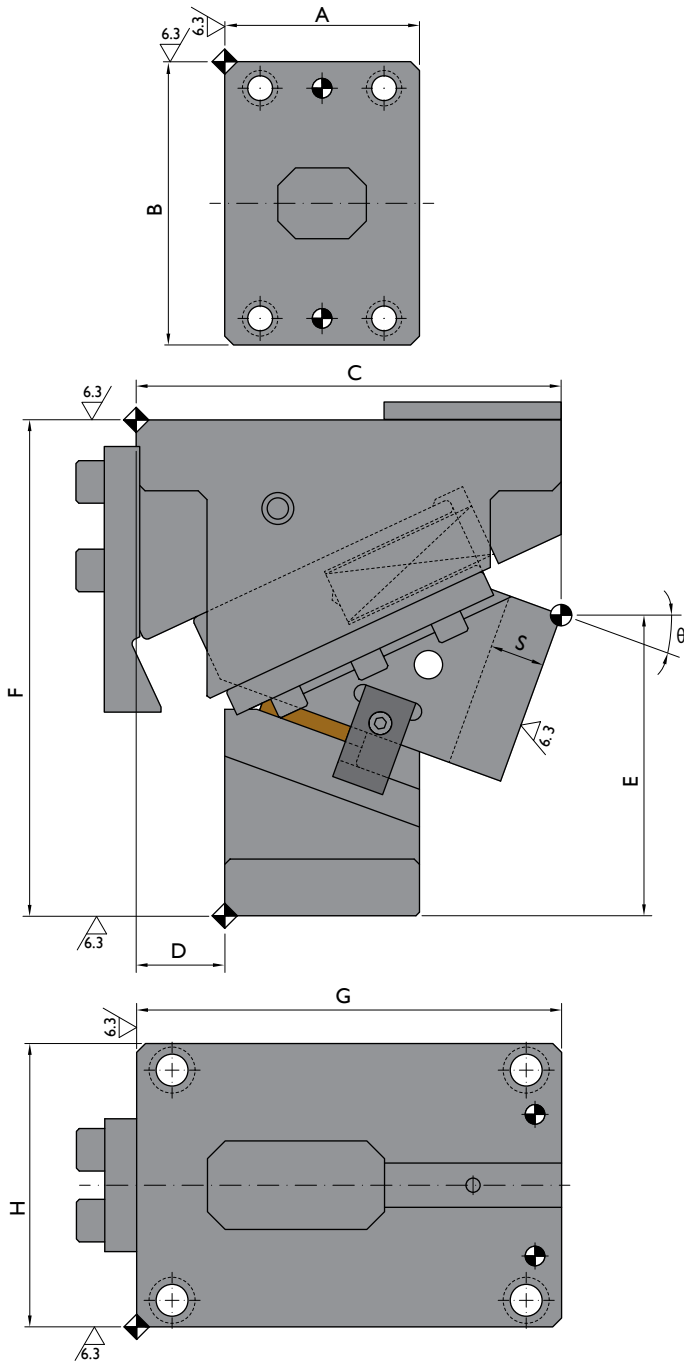
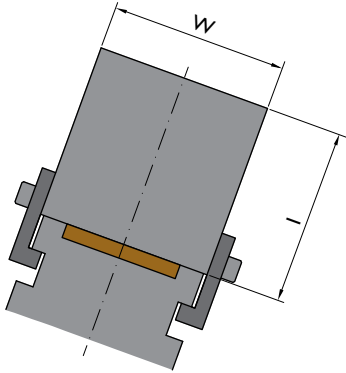
		SA	WA	TAK	P	
		 Additional slider length available 1 - 60 mm (1 mm steps)	 Additional mounting width available	 Additional key available for holder and driver (T shaped)	 Pin holes diameters available	
					Standards	Options
CACF	80	SA1 - SA2 - ... - SA60	WA100 / WA120	-	Ø13 H7	P16 (Ø16 H7)
CACF	150	-	-	TAK	Ø13 H7	P16 (Ø16 H7)

Ordering example: CACF-W-θ-SA-WA-TAK-P

CACF-80-30 (Standard dimensions)

CACF-80-30-SA15-WA120-P16 (Additional slider length (15 mm), additional mounting width (120 mm) and Ø16 H7 pin holes)

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
				1,000,000 strokes	300,000 strokes													
CACF 80 00	80	00	32.1	6	11	25.9	700	165	80	260	100	171	270	270	80	86	50	50
CACF 80 05	80	05	38.4	6	11	26.3	700	165	80	272.93	100	160.61	270	270	80	86	50	45
CACF 80 10	80	10	38.9	6	11	26.6	700	165	80	279.92	100	149.57	270	270	80	86	50	50
CACF 80 15	80	15	39.7	6	11	25.1	700	165	80	285.93	100	137.96	270	270	80	86	50	55
CACF 80 20	80	20	46.1	6	11	25.3	700	165	80	285.9	90	140.88	270	270	80	86	50	50
CACF 80 25	80	25	47.8	6	11	25.3	700	165	80	289.8	90	128.4	270	270	80	86	50	55
CACF 80 30	80	30	54.3	6	11	23.2	700	165	80	282.59	75	135.64	270	270	80	86	50	50
CACF 80 35	80	35	57.4	6	11	23.4	700	165	80	284.27	75	122.68	270	270	80	86	50	55
CACF 80 40	80	40	64.3	6	11	22.4	700	165	80	274.8	60	129.62	270	270	80	86	50	50
CACF 80 45	80	45	69.6	6	11	22.4	700	165	80	274.2	60	116.56	270	270	80	86	50	55
CACF 80 50	80	50	77.8	6	11	21.6	700	165	80	262.46	35	118.61	270	270	80	86	50	50
CACF 80 55	80	55	87.2	6	11	21.7	700	165	80	259.6	35	105.86	270	270	80	86	50	55
CACF 80 60	80	60	98.5	6	11	23.2	700	165	80	240.64	0	93.41	270	270	80	86	50	50
CACF 80 65	80	65	81.6	6	11	23.7	700	165	80	235.61	-5	81.35	270	270	80	86	35	55
CACF 80 70	80	70	86.4	6	11	23.9	700	165	80	227.83	-10	74.47	270	270	80	86	30	60
CACF 150 00	150	00	32.1	13	19	45.4	1400	150	150	280	120	185	270	280	150	85	50	50
CACF 150 05	150	05	32.3	13	19	45.9	1400	150	150	288.26	115	174.16	270	280	150	85	50	55
CACF 150 10	150	10	38.9	13	19	44.4	1400	150	150	285.54	105	167.64	270	280	150	85	50	50
CACF 150 15	150	15	39.7	13	19	44.9	1400	150	150	291.79	105	155.53	270	280	150	85	50	55
CACF 150 20	150	20	46.1	13	19	43.2	1400	150	150	286.97	90	147.93	270	280	150	85	50	50
CACF 150 25	150	25	47.8	13	19	43.7	1400	150	150	291.02	90	134.92	270	280	150	85	50	55
CACF 150 30	150	30	54.3	13	19	42.2	1400	150	150	283.92	70	131.6	270	280	150	85	50	50
CACF 150 35	150	35	57.4	13	19	42.7	1400	150	150	285.66	70	118.09	270	280	150	85	50	55
CACF 150 40	150	40	64.3	13	19	41	1400	150	150	276.2	45	114.47	270	280	150	85	50	50
CACF 150 45	150	45	69.6	13	19	41.4	1400	150	150	275.56	45	100.86	270	280	150	85	50	55
CACF 150 50	150	50	77.8	13	19	40.5	1400	150	150	263.74	25	102.35	270	280	150	85	50	50
CACF 150 55	150	55	87.2	13	19	40.9	1400	150	150	260.74	25	89.06	270	280	150	85	50	55
CACF 150 60	150	60	98.5	13	19	41.5	1400	150	150	246.6	0	76.08	270	280	150	85	50	50
CACF 150 65	150	65	93.2	13	19	42.2	1400	150	150	241.35	0	63.51	270	280	150	85	40	55
CACF 150 70	150	70	86.4	13	19	43.5	1400	150	150	240.01	-5	51.44	270	280	150	85	30	60



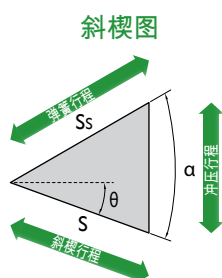
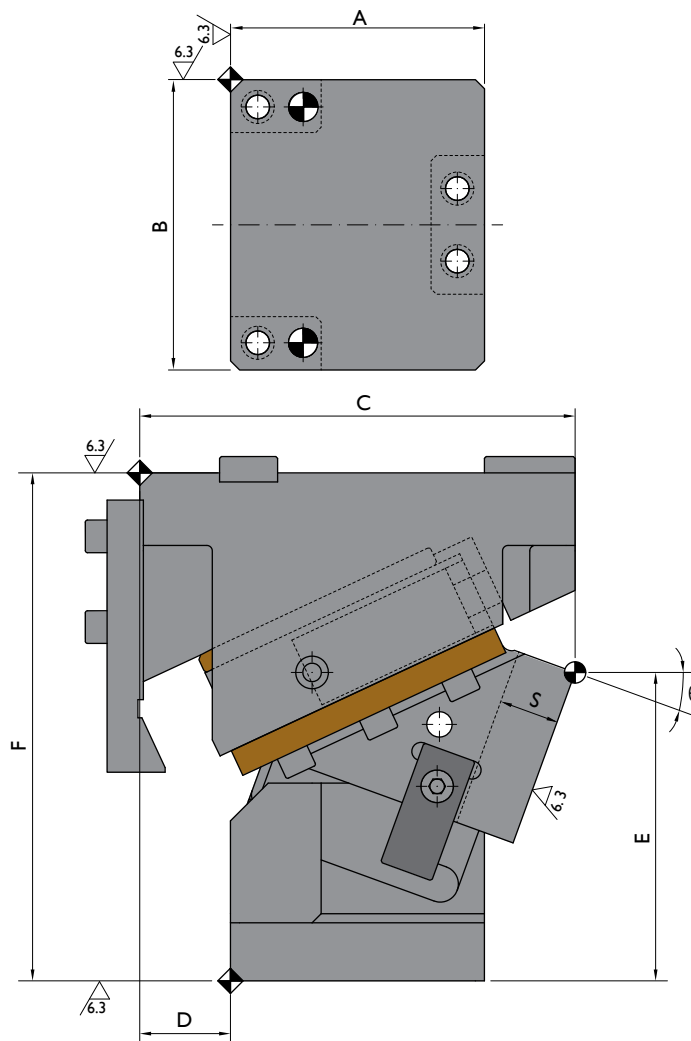
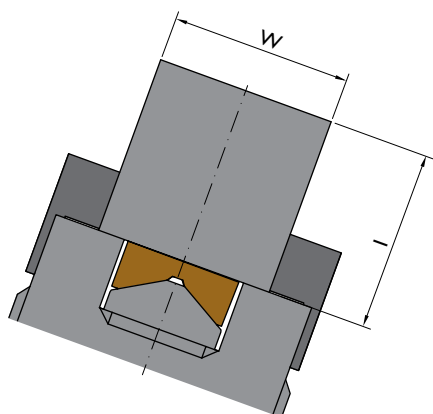
Available Options

P					
 Pin holes diameters available for both holder and driver					
Standards		Options			
CACU 65	Ø9	P10 (Ø10 H7)	P12 (Ø12 H7)	P13 (Ø13 H7)	-
CACU 100	Ø11	-	P12 (Ø12 H7)	P13 (Ø13 H7)	-
CACU 200	Ø11	-	P12 (Ø12 H7)	P13 (Ø13 H7)	P16 (Ø16 H7)

Ordering example: CACU-W-θ-P
CACU-65-10
CACU-65-10-P10

(Standard dimensions)
(Ø10 H7 pin holes)

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACU 65 00	65	00	26.9	2	4	19.5	109	80	115	185.94	75	153.43	210	180	115	80	38	45
CACU 65 05	65	05	27	2	4	19.8	116	80	115	193.01	70	153.43	210	180	115	90	38	50
CACU 65 10	65	10	31.6	2	4	19.3	116	80	115	196.8	70	142.42	210	180	115	80	38	45
CACU 65 15	65	15	32.2	2	4	19.6	116	80	115	203.77	67	141.19	210	180	115	90	38	50
CACU 65 20	65	20	33.8	2	4	18.1	116	80	115	198.1	60	135.69	210	180	115	80	35	45
CACU 65 25	65	25	35	2	4	18.4	116	80	115	204.75	55	133.27	210	180	115	90	35	50
CACU 65 30	65	30	33.5	2	5	17.7	116	80	115	193.63	50	120.48	210	180	115	80	30	45
CACU 65 35	65	35	35.4	2	5	18	116	80	115	199.76	45	116.94	210	180	115	90	30	50
CACU 65 40	65	40	42.9	2	5	16.9	116	80	115	188.72	40	110.38	210	180	115	80	33	45
CACU 65 45	65	45	46.5	2	5	17.1	116	80	115	194.13	34	105.84	210	180	115	90	33	50
CACU 65 50	65	50	54.5	3	6	16.8	116	80	115	190	30	100	210	180	115	90	35	50
CACU 65 55	65	55	43.6	3	6	17.8	106	80	115	190	20	95	210	180	115	100	25	55
CACU 65 60	65	60	50	3	6	17.3	106	80	115	190	20	95	210	180	115	100	25	60
CACU 65 65	65	65	47.3	3	6	18.5	91	80	115	190	0	80	210	180	115	110	20	65
CACU 65 70	65	70	58.5	3	6	18.4	91	80	115	190	0	80	210	180	115	110	20	70
CACU 100 00	100	00	28.3	4	9	47	574	110	160	240	60	195	280	240	160	100	40	45
CACU 100 05	100	05	28.4	4	9	47.8	627	110	160	236.89	60	206.18	280	240	160	140	40	50
CACU 100 10	100	10	33.3	4	9	44.9	627	110	160	240	60	190	280	240	160	100	40	45
CACU 100 15	100	15	33.9	4	9	47.1	627	110	160	254.35	60	198.49	280	240	160	140	40	50
CACU 100 20	100	20	30.9	4	9	44.8	608	110	160	240	50	170	280	240	160	100	32	45
CACU 100 25	100	25	32	4	9	46.5	608	110	160	253.26	50	177.4	280	240	160	140	32	50
CACU 100 30	100	30	33.5	4	9	44.1	608	110	160	240	30	170	280	240	160	120	30	45
CACU 100 35	100	35	35.4	4	9	45.4	572	110	160	252.34	30	170.31	280	240	160	140	30	50
CACU 100 40	100	40	39	4	9	45.4	572	110	160	240	30	165	280	240	160	120	30	45
CACU 100 45	100	45	42.3	4	9	41.7	572	110	160	247.41	30	165.32	280	240	160	140	30	50
CACU 100 50	100	50	46.7	5	10	41.2	572	110	160	240	10	160	280	240	160	140	30	50
CACU 100 55	100	55	52.3	5	10	44	572	110	160	240	0	135	280	240	160	140	30	55
CACU 100 60	100	60	60	5	10	42.5	572	110	160	240	0	135	280	240	160	140	30	60
CACU 100 65	100	65	47.3	5	10	43	559	110	160	240	0	135	280	240	160	140	20	65
CACU 100 70	100	70	58.5	5	10	41.8	559	110	160	240	0	135	280	240	160	140	20	70
CACU 200 00	200	00	28.3	10	20	81.5	2297	110	260	240	60	190	280	240	260	100	40	45
CACU 200 05	200	05	28.4	10	20	82.3	2506	110	260	263.82	60	201.16	280	240	260	130	40	50
CACU 200 10	200	10	33.3	10	20	75.7	2506	110	260	240	60	190	280	240	260	100	40	45
CACU 200 15	200	15	33.9	10	20	80.5	2506	110	260	254.35	60	198.49	280	240	260	130	40	50
CACU 200 20	200	20	30.9	10	20	76.1	2432	110	260	240	50	170	280	240	260	100	32	45
CACU 200 25	200	25	32	10	20	80.1	2432	110	260	253.27	50	177.4	280	240	260	130	32	50
CACU 200 30	200	30	33.5	10	20	77	2289	110	260	240	30	170	280	240	260	120	30	45
CACU 200 35	200	35	35.4	10	20	80.9	2289	110	260	252.34	30	170.31	280	240	260	140	30	50
CACU 200 40	200	40	39	10	20	71.4	2289	110	260	240	30	165	280	240	260	120	30	45
CACU 200 45	200	45	42.3	10	20	74.7	2289	110	260	247.41	30	165.32	280	240	260	140	30	50
CACU 200 50	200	50	46.7	12	24	71.6	2289	110	260	240	10	160	280	240	260	140	30	50
CACU 200 55	200	55	52.3	12	24	78.6	2289	110	260	240	0	135	280	240	260	140	30	55
CACU 200 60	200	60	60	12	24	73.9	2289	110	260	240	0	135	280	240	260	140	30	60
CACU 200 65	200	65	47.3	12	24	77.2	2236	110	260	240	0	135	280	240	260	140	20	65
CACU 200 70	200	70	58.5	12	24	72.2	2236	110	260	240	0	135	280	240	260	140	20	70



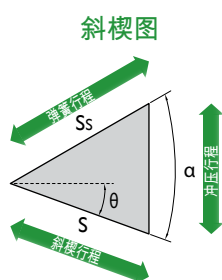
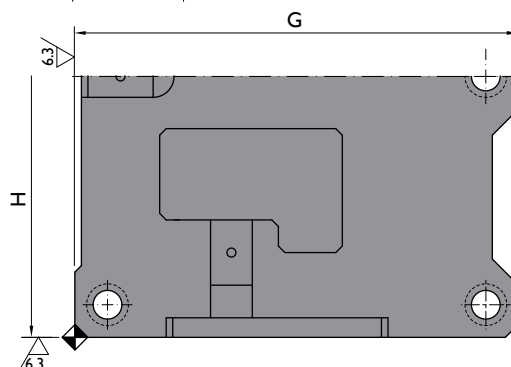
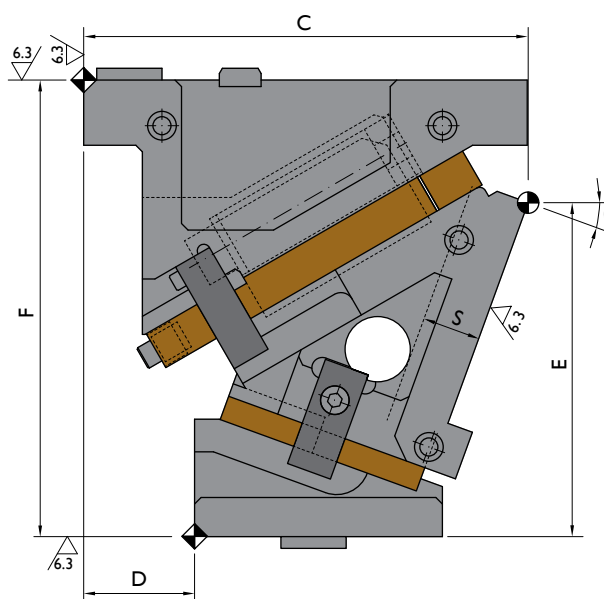
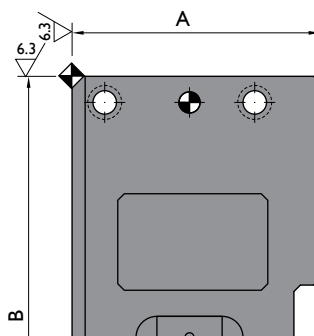
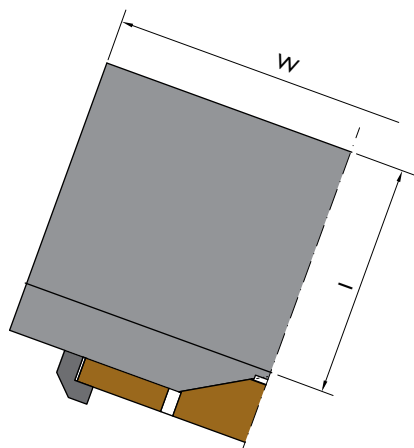
Ordering example: CACK-W- θ
CACK-65-70

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CAACK 65 00	65	00	26.9	2	4	20.5	550	80	115	185.94	75	153.43	210	180	115	80	38	45
CAACK 65 05	65	05	27	2	4	20.8	550	80	115	193.01	70	153.43	210	180	115	90	38	50
CAACK 65 10	65	10	31.6	2	4	20.3	550	80	115	196.8	70	142.42	210	180	115	80	38	45
CAACK 65 15	65	15	32.2	2	4	20.6	550	80	115	203.77	67	141.19	210	180	115	90	38	50
CAACK 65 20	65	20	33.8	2	4	19.1	550	80	115	198.1	60	135.69	210	180	115	80	35	45
CAACK 65 25	65	25	35	2	4	19.4	550	80	115	204.75	55	133.27	210	180	115	90	35	50
CAACK 65 30	65	30	33.5	2	4	18.7	550	80	115	193.63	50	120.48	210	180	115	80	30	45
CAACK 65 35	65	35	35.4	2	4	19	550	80	115	199.76	45	116.94	210	180	115	90	30	50
CAACK 65 40	65	40	42.9	2	4	17.9	550	80	115	188.72	40	110.38	210	180	115	80	33	45
CAACK 65 45	65	45	46.5	2	4	18.1	550	80	115	194.13	34	105.84	210	180	115	90	33	50
CAACK 65 50	65	50	54.5	2	4	17.8	550	80	115	190	30	100	210	180	115	90	35	50
CAACK 65 55	65	55	43.6	2	4	18.8	530	80	115	190	20	95	210	180	115	100	25	55
CAACK 65 60	65	60	50	2	4	18.3	530	80	115	190	20	95	210	180	115	100	25	60
CAACK 65 65	65	65	47.3	2	4	19.5	530	80	115	190	0	80	210	180	115	110	20	65
CAACK 65 70	65	70	58.5	2	4	19.4	530	80	115	190	0	80	210	180	115	110	20	70
CAACK 100 00	100	00	28.3	4	9	49.4	1120	140	160	240	80	195	280	240	160	100	40	45
CAACK 100 05	100	05	28.4	4	9	50.2	1120	140	160	236.89	60	206.18	280	240	160	140	40	50
CAACK 100 10	100	10	33.3	4	9	47.3	1120	140	160	240	60	190	280	240	160	100	40	45
CAACK 100 15	100	15	33.9	4	9	49.5	1100	140	160	254.35	60	198.49	280	240	160	140	40	50
CAACK 100 20	100	20	30.9	4	9	47.2	1100	140	160	240	50	170	280	240	160	100	32	45
CAACK 100 25	100	25	32	4	9	48.9	1100	140	160	253.26	50	177.4	280	240	160	140	32	50
CAACK 100 30	100	30	33.5	4	9	46.5	1100	130	160	240	30	170	280	240	160	120	30	45
CAACK 100 35	100	35	35.4	4	9	47.8	1100	130	160	252.34	30	170.31	280	240	160	140	30	50
CAACK 100 40	100	40	39	4	9	47.8	1100	120	160	240	30	165	280	240	160	120	30	45
CAACK 100 45	100	45	42.3	4	9	44.1	1100	120	160	247.41	30	165.32	280	240	160	140	30	50
CAACK 100 50	100	50	46.7	4	9	43.6	1100	120	160	240	10	160	280	240	160	140	30	50
CAACK 100 55	100	55	52.3	4	9	46.4	1100	120	160	240	0	135	280	240	160	140	30	55
CAACK 100 60	100	60	60	4	9	44.9	1100	110	160	240	0	135	280	240	160	140	30	60
CAACK 100 65	100	65	47.3	4	9	45.4	1060	110	160	240	0	135	280	240	160	140	20	65
CAACK 100 70	100	70	58.5	4	9	44.2	1060	110	160	240	0	135	280	240	160	140	20	70
CAACK 200 00	200	00	28.3	9	19	82.9	2240	110	260	240	80	195	280	240	260	100	40	45
CAACK 200 05	200	05	28.4	9	19	83.7	2240	110	260	236.82	60	201.16	280	240	260	130	40	50
CAACK 200 10	200	10	33.3	9	19	77.1	2240	110	260	240	60	190	280	240	260	100	40	45
CAACK 200 15	200	15	33.9	9	19	81.9	2200	110	260	254.35	60	198.49	280	240	260	130	40	50
CAACK 200 20	200	20	30.9	9	19	77.5	2200	110	260	240	50	170	280	240	260	100	32	45
CAACK 200 25	200	25	32	9	19	81.5	2200	110	260	253.27	50	177.4	280	240	260	130	32	50
CAACK 200 30	200	30	33.5	9	19	78.4	2200	110	260	240	30	170	280	240	260	120	30	45
CAACK 200 35	200	35	35.4	9	19	82.3	2200	110	260	252.34	30	170.31	280	240	260	140	30	50
CAACK 200 40	200	40	39	9	19	72.8	2200	110	260	240	30	165	280	240	260	120	30	45
CAACK 200 45	200	45	42.3	9	19	76.1	2200	110	260	247.41	30	165.32	280	240	260	140	30	50
CAACK 200 50	200	50	46.7	9	19	73	2200	110	260	240	10	160	280	240	260	140	30	50
CAACK 200 55	200	55	52.3	9	19	80	2200	110	260	240	0	135	280	240	260	140	30	55
CAACK 200 60	200	60	60	9	19	75.3	2200	110	260	240	0	135	280	240	260	140	30	60
CAACK 200 65	200	65	47.3	9	19	78.6	2120	110	260	240	0	135	280	240	260	140	20	65
CAACK 200 70	200	70	58.5	9	19	73.6	2120	110	260	240	0	135	280	240	260	140	20	70

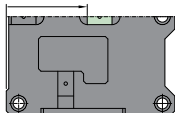
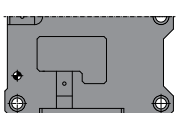
WEB



CAD



Available Options

		FAK	NP
		 Different key positions available (Forward distance)	 Additional Ø16 H7 pin holes available for cam holder
CACW	200	FAK (180 mm)	NP
CACW	300	FAK (260 mm)	NP
CACW	400	FAK (215 mm)	NP
CACW	500	FAK (280 mm)	NP
CACW	600	FAK (215 mm)	NP

Ordering example: CACW-W-θ-FAK-NP

CACW-300-10

(Standard dimensions)

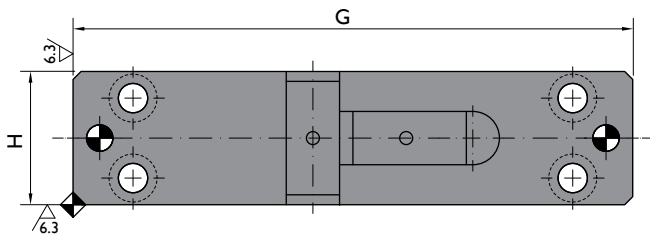
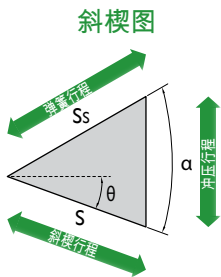
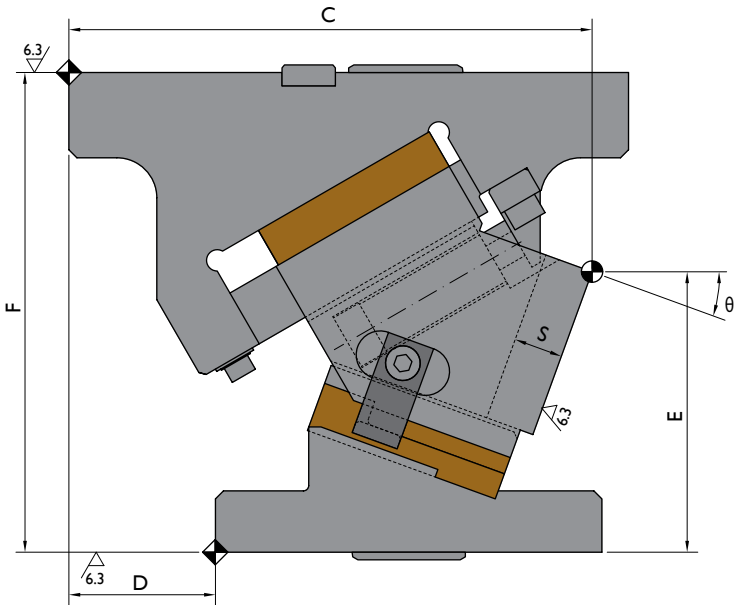
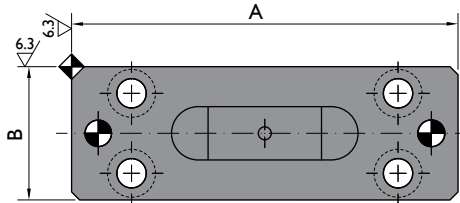
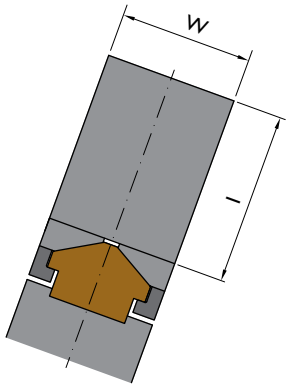
CACW-300-10-FAK-NP

(Key position 260 mm forward and Ø16 H7 additional pin holes)

Order No.			Main Features						General Dimensions									
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACW 200 00	200	00	38.6	12	24	95	1400	190	200	313	138	292	350	340	200	180	60	50
CACW 200 05	200	05	42.6	12	24	94.8	1400	190	200	320.64	125	285.66	350	340	200	180	60	50
CACW 200 10	200	10	46.7	12	24	94.6	1400	190	200	331.08	115	277.53	350	340	200	180	60	50
CACW 200 15	200	15	50.9	12	24	93.3	1400	190	200	336.17	100	267.63	350	340	200	180	60	50
CACW 200 20	200	20	55.3	12	24	92.7	1400	190	200	340.76	85	256	350	340	200	180	60	50
CACW 200 30	200	30	65.1	12	24	92.7	1400	190	200	347.83	55	237.75	350	340	200	180	60	50
CACW 200 40	200	40	77.1	12	24	94.2	1400	190	200	351.17	25	213.34	350	340	200	180	60	50
CACW 200 50	200	50	93.3	12	24	93.7	1400	190	200	348.77	-6	188.51	350	340	200	180	60	50
CACW 200 60	200	60	120	12	24	97.3	1400	190	200	332.75	-45	154.17	350	340	200	180	60	60
CACW 300 00	300	00	38.6	20	40	137.2	2800	190	250	313	138	292	350	340	300	180	60	50
CACW 300 05	300	05	42.6	20	40	135.9	2800	190	250	320.64	125	285.66	350	340	300	180	60	50
CACW 300 10	300	10	46.7	20	40	135.7	2800	190	250	331.08	115	277.53	350	340	300	180	60	50
CACW 300 15	300	15	50.9	20	40	133	2800	190	250	336.17	100	267.63	350	340	300	180	60	50
CACW 300 20	300	20	55.3	20	40	131.5	2800	190	250	340.76	85	256	350	340	300	180	60	50
CACW 300 30	300	30	65.1	20	40	131	2800	190	250	347.83	55	237.75	350	340	300	180	60	50
CACW 300 40	300	40	77.1	20	40	133.3	2800	190	250	351.17	25	213.34	350	340	300	180	60	50
CACW 300 50	300	50	93.3	20	40	130.9	2800	190	250	348.77	-6	188.51	350	340	300	180	60	50
CACW 300 60	300	60	120	20	40	136.1	2800	190	250	332.75	-45	154.17	350	340	300	180	60	60
CACW 400 00	400	00	38.6	25	50	191.1	2800	190	400	313	138	292	350	340	400	180	60	50
CACW 400 05	400	05	42.6	25	50	189.3	2800	190	400	320.64	125	285.66	350	340	400	180	60	50
CACW 400 10	400	10	46.7	25	50	188	2800	190	400	331.08	115	277.53	350	340	400	180	60	50
CACW 400 15	400	15	50.9	25	50	186.1	2800	190	400	336.17	100	267.63	350	340	400	180	60	50
CACW 400 20	400	20	55.3	25	50	185.3	2800	190	400	340.76	85	256	350	340	400	180	60	50
CACW 400 30	400	30	65.1	25	50	185.8	2800	190	400	347.83	55	237.75	350	340	400	180	60	50
CACW 400 40	400	40	77.1	25	50	191.9	2800	190	400	351.17	25	213.34	350	340	400	180	60	50
CACW 400 50	400	50	93.3	25	50	191.8	2800	190	400	348.77	-6	188.51	350	340	400	180	60	50
CACW 400 60	400	60	120	25	50	201.1	2800	190	400	332.75	-45	154.17	350	340	400	180	60	60
CACW 500 00	500	00	38.6	32	64	222.3	4200	190	400	313	138	292	350	340	500	180	60	50
CACW 500 05	500	05	42.6	32	64	220.4	4200	190	400	320.64	125	285.66	350	340	500	180	60	50
CACW 500 10	500	10	46.7	32	64	218.8	4200	190	400	331.08	115	277.53	350	340	500	180	60	50
CACW 500 15	500	15	50.9	32	64	216.3	4200	190	400	336.17	100	267.63	350	340	500	180	60	50
CACW 500 20	500	20	55.3	32	64	215.1	4200	190	400	340.76	85	256	350	340	500	180	60	50
CACW 500 30	500	30	65.1	32	64	216.1	4200	190	400	347.83	55	237.75	350	340	500	180	60	50
CACW 500 40	500	40	77.1	32	64	220.4	4200	190	400	351.17	25	213.34	350	340	500	180	60	50
CACW 500 50	500	50	93.3	32	64	220.1	4200	190	400	348.77	-6	188.51	350	340	500	180	60	50
CACW 500 60	500	60	120	32	64	236.5	4200	190	400	332.75	-45	154.17	350	340	500	180	60	60
CACW 600 00	600	00	38.6	40	80	281.4	5600	190	550	313	138	292	350	340	600	180	60	50
CACW 600 05	600	05	42.6	40	80	277.9	5600	190	550	320.64	125	285.66	350	340	600	180	60	50
CACW 600 10	600	10	46.7	40	80	274.1	5600	190	550	331.08	115	277.53	350	340	600	180	60	50
CACW 600 15	600	15	50.9	40	80	272.3	5600	190	550	336.17	100	267.63	350	340	600	180	60	50
CACW 600 20	600	20	55.3	40	80	268.8	5600	190	550	340.76	85	256	350	340	600	180	60	50
CACW 600 30	600	30	65.1	40	80	276.6	5600	190	550	347.83	55	237.75	350	340	600	180	60	50
CACW 600 40	600	40	77.1	40	80	285.2	5600	190	550	351.17	25	213.34	350	340	600	180	60	50
CACW 600 50	600	50	93.3	40	80	283.5	5600	190	550	348.77	-6	188.51	350	340	600	180	60	50
CACW 600 60	600	60	120	40	80	295.6	5600	190	550	332.75	-45	154.17	350	340	600	180	60	60



Structure for cams width 50 - 80 mm



Available Options

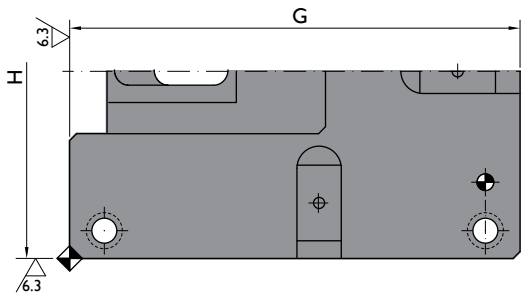
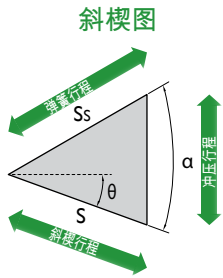
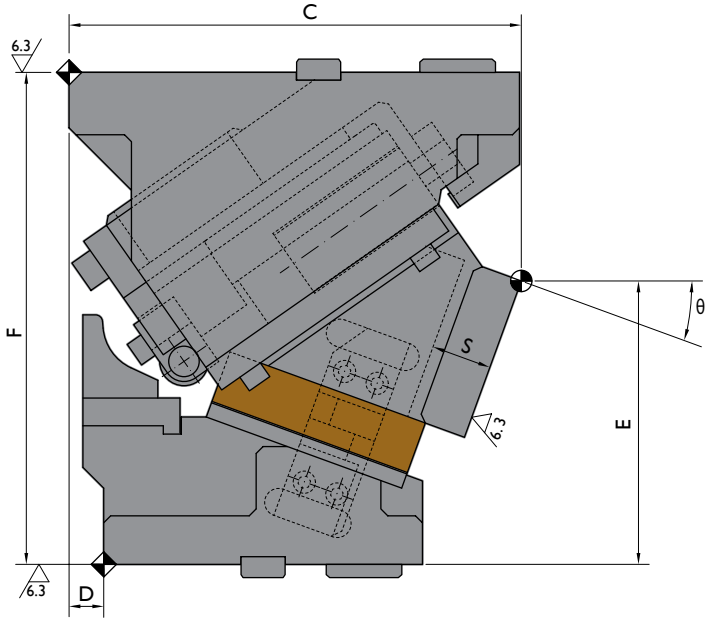
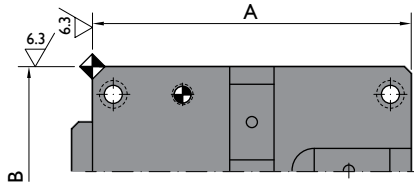
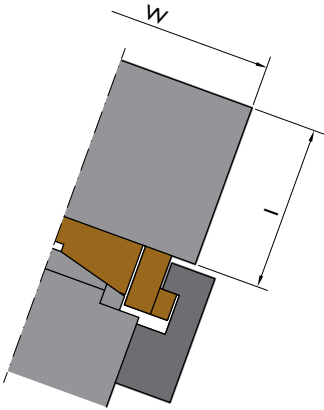
		P	
		Pin holes diameters available	
		Standards	Options
CACG	50	Ø10 H7	P13 (Ø13 H7)
CACG	65	Ø10 H7	-
CACG	80	Ø13 H7	P12 (Ø12 H7)

Ordering example: CACG-W-θ-P
 CACG-50- 20
 CACG-50-20-P13

(Standard dimensions)
 (Ø13 H7 holes)



Structure for cams width 150 - 300 mm



Available Options

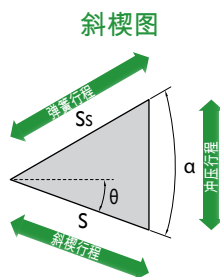
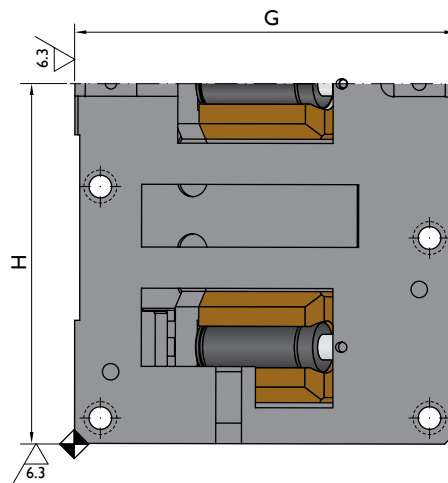
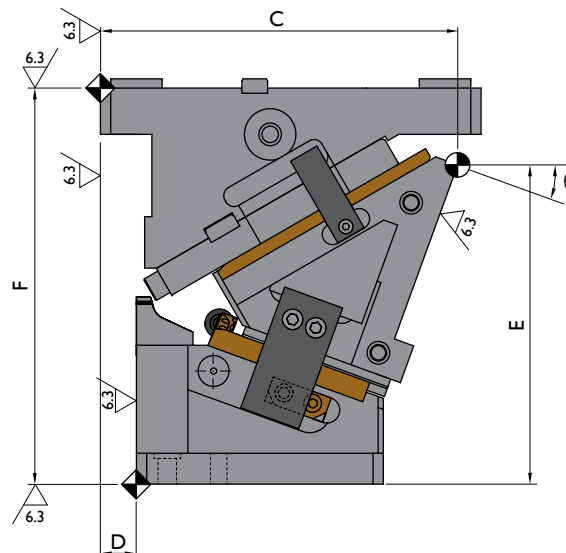
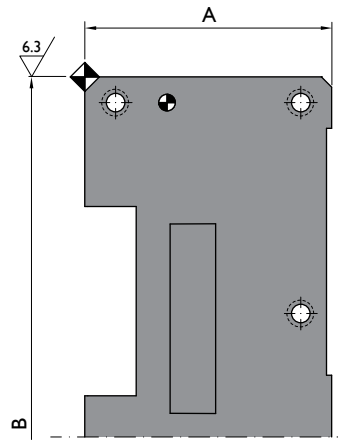
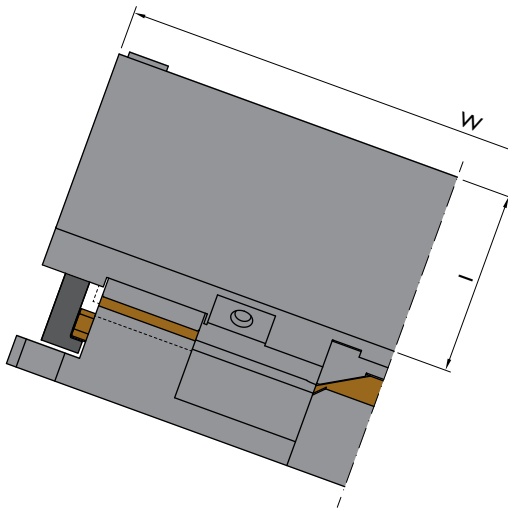
		P	
		 Pin holes diameters available	
		Standards	Options
CACG	150	Ø12 H7	P13 (Ø13 H7)
CACG	200	Ø12 H7	P13 (Ø13 H7)
CACG	300	Ø16 H7	-

Ordering example: CACG-W-θ-P
 CACG-200- 20
 CACG-200-20-P13

(Standard dimensions)
 (Ø13 H7 holes)

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
				1,000,000 strokes	300,000 strokes													
CACG 50 00	50	00	15	3	6	10.6	280	145	50	195	80	112.5	180	210	50	65	23.3	50
CACG 50 05	50	05	15.6	3	6	10.3	280	145	50	198.04	75	111.71	180	210	50	65	22	50
CACG 50 10	50	10	15.6	3	6	9.9	280	145	50	195.99	65	110.23	180	210	50	65	20	50
CACG 50 15	50	15	17	3	6	9.7	280	145	50	198.77	65	108.05	180	210	50	65	20	50
CACG 50 20	50	20	18.4	3	6	9.4	280	145	50	196.34	55	105.21	180	210	50	65	20	50
CACG 50 25	50	25	18	3	6	9.4	280	145	50	191.62	41	99.72	180	210	50	65	18	50
CACG 50 30	50	30	17.4	3	6	9.2	280	145	50	190.58	40	94.61	180	210	50	65	16	50
CACG 50 35	50	35	18.9	3	6	9.2	280	145	50	187.15	25	89.9	180	210	50	65	16	50
CACG 50 40	50	40	20.6	3	6	9.1	280	145	50	183.29	22.5	84.65	180	210	50	55	16	50
CACG 50 45	50	45	22.5	3	6	9.1	280	145	50	179.94	10	81.87	180	210	50	55	16	50
CACG 50 50	50	50	23.3	3	6	9	280	145	50	174.07	5	80.63	180	210	50	55	15	50
CACG 50 55	50	55	26.1	3	6	9.5	280	145	50	168.64	-15	68.96	180	210	50	55	15	50
CACG 50 60	50	60	31.5	3	6	9.7	280	145	50	162.61	-25	61.92	180	210	50	55	16	50
CACG 50 65	50	65	36.6	3	6	10	280	145	50	155.95	-35	54.56	180	210	50	55	16	50
CACG 65 00	65	00	15	3	6	10.7	280	120	65	170	70	115	175	170	65	56	23.3	50
CACG 65 05	65	05	15.6	3	6	10.4	280	120	65	170.36	65	107.78	175	170	65	56	22	50
CACG 65 10	65	10	15.6	3	6	10.2	280	120	65	175.07	62.5	105.12	175	170	65	56	20	50
CACG 65 15	65	15	17	3	6	9.9	280	120	65	174.09	55	102.08	175	170	65	56	20	50
CACG 65 20	65	20	18.4	3	6	9.9	280	120	65	172.4	45	98.72	175	170	65	56	20	50
CACG 65 30	65	30	19.5	3	6	9.6	280	120	65	171.78	35	91.29	175	170	65	56	18	50
CACG 65 40	65	40	23.1	3	6	9.5	280	120	65	163.07	20	83.37	175	170	65	56	18	50
CACG 65 50	65	50	24.9	3	6	9.9	280	120	65	156.22	5	70.5	175	170	65	56	16	50
CACG 65 60	65	60	32	3	6	11.1	280	120	65	146.29	-15	58.22	175	170	65	56	16	60
CACG 80 00	80	00	30.2	5	10	34	540	170	80	277	135	160	270	270	80	90	47	50
CACG 80 05	80	05	30.5	5	10	32	540	170	80	278.32	125	154.33	270	270	80	90	43	50
CACG 80 10	80	10	31.1	5	10	32	540	170	80	274.54	110	152.68	270	270	80	90	40	50
CACG 80 15	80	15	33.9	5	10	32	540	170	80	277.58	105	150.05	270	270	80	90	40	50
CACG 80 20	80	20	32.3	5	10	32	530	170	80	273.34	95	146.48	270	270	80	90	35	50
CACG 80 25	80	25	35	5	10	30	530	170	80	268.75	80	141.97	270	270	80	90	35	50
CACG 80 30	80	30	34.7	5	10	30	530	170	80	261.73	65	136.58	270	270	80	90	32	50
CACG 80 35	80	35	37.7	5	10	30	530	170	80	258.2	55	130.34	270	270	80	90	32	50
CACG 80 40	80	40	39.9	5	10	29	530	170	80	245.09	35	123.3	270	270	80	90	31	50
CACG 80 45	80	45	43.7	5	10	29	530	170	80	245.34	30	115.51	270	270	80	90	31	50
CACG 80 50	80	50	46.7	5	10	30	530	170	80	225.87	5	107.03	270	270	80	90	30	50
CACG 80 55	80	55	53.8	5	10	30	530	170	80	229.64	0	97.93	270	270	80	90	31	50
CACG 80 60	80	60	61.1	5	10	31	530	170	80	208.58	-20	88.27	270	270	80	90	31	50
CACG 80 65	80	65	70.9	5	10	32	530	170	80	203.67	-30	78.13	270	270	80	90	31	50

Order No.			Main Features					General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf		Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACG 150 00	150	00	28.6	15	30	117.6	1100	230	150	325	80	225	355	325	240	120	50	55
CACG 150 05	150	05	32.2	15	30	114	1100	230	150	319.7	60	221.74	355	325	240	120	50	55
CACG 150 10	150	10	35.9	15	30	113.4	1100	230	150	319.06	45	217.21	355	325	240	120	50	55
CACG 150 15	150	15	39.6	15	30	111.9	1100	230	150	322.98	35	211.44	355	325	240	120	50	55
CACG 150 20	150	20	43.5	15	30	111.3	1100	230	150	326.33	25	204.49	355	325	240	120	50	55
CACG 150 25	150	25	47.7	15	30	111.2	1100	230	150	329.03	15	196.39	355	325	240	120	50	55
CACG 150 30	150	30	52.3	15	30	110.2	1100	230	150	325.98	0	187.22	355	325	240	120	50	55
CACG 150 35	150	35	57.3	15	30	113.1	1100	230	150	322.08	-15	162.05	355	325	240	120	50	55
CACG 150 40	150	40	63	15	30	114.7	1100	230	150	312.26	-35	150.94	355	325	240	120	50	55
CACG 150 45	150	45	69.6	15	30	115.8	1100	230	150	306.42	-50	138.99	355	325	240	120	50	55
CACG 150 50	150	50	77.4	15	30	117.5	1100	230	150	294.51	-70	126.29	355	325	240	120	50	55
CACG 150 55	150	55	87.1	15	30	117.5	1100	230	150	281.46	-90	112.93	355	325	240	120	50	55
CACG 150 60	150	60	99.6	15	30	122	1100	230	150	272.22	-105	99.02	355	325	240	120	50	55
CACG 150 65	150	65	116.5	15	30	126	1100	230	150	261.75	-120	84.66	355	325	240	120	50	55
CACG 200 00	200	00	28.6	15	30	129.7	1400	230	150	325	80	225	355	325	270	120	50	55
CACG 200 05	200	05	32.2	15	30	126.6	1400	230	150	319.7	60	221.74	355	325	270	120	50	55
CACG 200 10	200	10	35.9	15	30	124.8	1400	230	150	319.06	45	217.21	355	325	270	120	50	55
CACG 200 15	200	15	39.6	15	30	127.4	1400	230	150	322.98	35	211.44	355	325	270	120	50	55
CACG 200 20	200	20	43.5	15	30	123.2	1400	230	150	326.33	25	204.49	355	325	270	120	50	55
CACG 200 25	200	25	47.7	15	30	123	1400	230	150	329.03	15	196.39	355	325	270	120	50	55
CACG 200 30	200	30	52.3	15	30	121.7	1400	230	150	325.98	0	187.22	355	325	270	120	50	55
CACG 200 35	200	35	57.3	15	30	125.3	1400	230	150	322.08	-15	162.05	355	325	270	120	50	55
CACG 200 40	200	40	63	15	30	126.8	1400	230	150	312.26	-35	150.94	355	325	270	120	50	55
CACG 200 45	200	45	69.6	15	30	127.9	1400	230	150	306.42	-50	138.99	355	325	270	120	50	55
CACG 200 50	200	50	77.4	15	30	129.8	1400	230	150	294.51	-70	126.29	355	325	270	120	50	55
CACG 200 55	200	55	87.1	15	30	132.6	1400	230	150	281.46	-90	112.93	355	325	270	120	50	55
CACG 200 60	200	60	99.6	15	30	135.1	1400	230	150	272.22	-105	99.02	355	325	270	120	50	55
CACG 200 65	200	65	116.5	15	30	138.9	1400	230	150	261.75	-120	84.66	355	325	270	120	50	55
CACG 300 00	300	00	28.6	30	60	184.5	2800	230	250	325	80	265	355	325	340	160	50	55
CACG 300 05	300	05	32.2	30	60	181	2800	230	250	323.19	60	261.59	355	325	340	160	50	55
CACG 300 10	300	10	35.9	30	60	178.7	2800	230	250	326.01	45	256.6	355	325	340	160	50	55
CACG 300 15	300	15	39.6	30	60	177.3	2800	230	250	333.33	35	250.08	355	325	340	160	50	55
CACG 300 20	300	20	43.5	30	60	176	2800	230	250	340.02	25	242.07	355	325	340	160	50	55
CACG 300 25	300	25	47.7	30	60	174.9	2800	230	250	345.94	15	232.65	355	325	340	160	50	55
CACG 300 30	300	30	52.3	30	60	173.8	2800	230	250	345.98	0	221.87	355	325	340	160	50	55
CACG 300 35	300	35	57.3	30	60	178.7	2800	230	250	345.03	-15	194.81	355	325	340	160	50	55
CACG 300 40	300	40	63	30	60	181.6	2800	230	250	337.97	-35	181.59	355	325	340	160	50	55
CACG 300 45	300	45	69.6	30	60	184.5	2800	230	250	334.71	-50	167.28	355	325	340	160	50	55
CACG 300 50	300	50	77.4	30	60	188.1	2800	230	250	325.15	-70	152	355	325	340	160	50	55
CACG 300 55	300	55	87.1	30	60	193.4	2800	230	250	314.23	-90	135.88	355	325	340	160	50	55
CACG 300 60	300	60	99.6	30	60	197.6	2800	230	250	306.87	-105	119.02	355	325	340	160	50	55
CACG 300 65	300	65	116.5	30	60	202.9	2800	230	250	298	-120	101.56	355	325	340	160	50	55



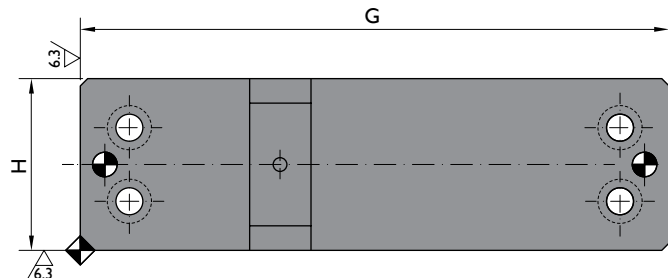
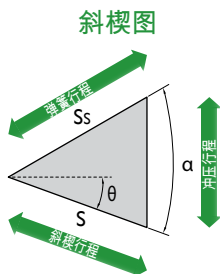
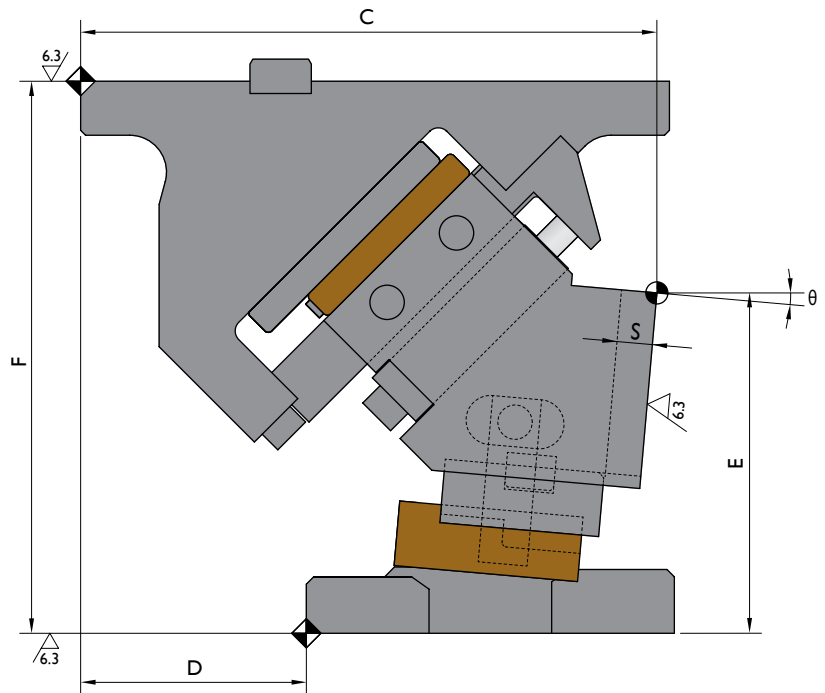
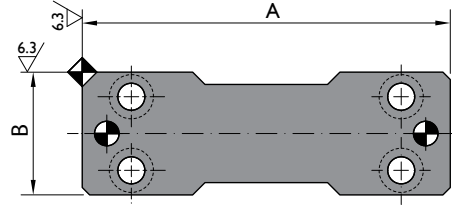
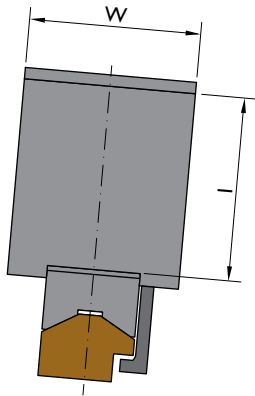
Ordering example: CACL-W-θ
CACL-500-05

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACL 500 00	500	00	38.6	32	265.6	2200	240	500	323	95	328	385	370	500	180	60	50
CACL 500 05	500	05	42.6	32	262.4	2200	240	500	329.58	80	326.36	385	370	500	180	60	50
CACL 500 10	500	10	46.7	32	261	2200	240	500	335.94	65	322.84	385	370	500	180	60	50
CACL 500 15	500	15	50.9	32	260.2	2200	240	500	341.91	50	317.48	385	370	500	180	60	50
CACL 500 20	500	20	55.3	32	260.7	2200	240	500	347.34	35	310.31	385	370	500	180	60	50
CACL 500 25	500	25	60	32	260.8	2200	240	500	347.06	15	301.38	385	370	500	180	60	50
CACL 500 30	500	30	65.1	32	264.4	2200	240	500	350.93	0	280.77	385	370	500	180	60	50
CACL 500 35	500	35	70.8	32	269.9	2200	240	500	353.8	-15	268.56	385	370	500	180	60	50
CACL 500 40	500	40	77.1	32	274.5	2200	240	500	355.54	-30	254.84	385	370	500	180	60	50
CACL 500 45	500	45	84.5	32	281.6	2200	240	500	361.02	-40	239.71	385	370	500	180	60	50
CACL 500 50	500	50	93.3	32	282	2200	240	500	355.12	-60	223.28	385	370	500	180	60	50
CACL 500 55	500	55	104.6	32	291.5	2200	240	500	367.74	-60	205.69	385	370	500	180	60	55
CACL 500 60	500	60	120	32	300.1	2200	240	500	378.77	-60	187.07	385	370	500	180	60	60
CACL 600 00	600	00	38.6	32	272.4	2200	240	500	323	95	328	385	370	500	180	60	50
CACL 600 05	600	05	42.6	32	269.2	2200	240	500	329.58	80	326.36	385	370	500	180	60	50
CACL 600 10	600	10	46.7	32	267.9	2200	240	500	335.94	65	322.84	385	370	500	180	60	50
CACL 600 15	600	15	50.9	32	267.1	2200	240	500	341.91	50	317.48	385	370	500	180	60	50
CACL 600 20	600	20	55.3	32	267.6	2200	240	500	347.34	35	310.31	385	370	500	180	60	50
CACL 600 25	600	25	60	32	267.7	2200	240	500	347.06	15	301.38	385	370	500	180	60	50
CACL 600 30	600	30	65.1	32	271.3	2200	240	500	350.93	0	280.77	385	370	500	180	60	50
CACL 600 35	600	35	70.8	32	276.7	2200	240	500	353.8	-15	268.56	385	370	500	180	60	50
CACL 600 40	600	40	77.1	32	281.3	2200	240	500	355.54	-30	254.84	385	370	500	180	60	50
CACL 600 45	600	45	84.5	32	288.5	2200	240	500	361.02	-40	239.71	385	370	500	180	60	50
CACL 600 50	600	50	93.3	32	288.9	2200	240	500	355.12	-60	223.28	385	370	500	180	60	50
CACL 600 55	600	55	104.6	32	299.2	2200	240	500	367.74	-60	205.69	385	370	500	180	60	55
CACL 600 60	600	60	120	32	308.7	2200	240	500	378.77	-60	187.07	385	370	500	180	60	60
CACL 700 00	700	00	38.6	48	362.6	3300	240	700	323	95	328	385	370	700	180	60	50
CACL 700 05	700	05	42.6	48	358.9	3300	240	700	329.58	80	326.36	385	370	700	180	60	50
CACL 700 10	700	10	46.7	48	357.2	3300	240	700	335.94	65	322.84	385	370	700	180	60	50
CACL 700 15	700	15	50.9	48	357	3300	240	700	341.91	50	317.48	385	370	700	180	60	50
CACL 700 20	700	20	55.3	48	356.1	3300	240	700	347.34	35	310.31	385	370	700	180	60	50
CACL 700 25	700	25	60	48	357.3	3300	240	700	347.06	15	301.38	385	370	700	180	60	50
CACL 700 30	700	30	65.1	48	362.7	3300	240	700	350.93	0	280.77	385	370	700	180	60	50
CACL 700 35	700	35	70.8	48	370.6	3300	240	700	353.8	-15	268.56	385	370	700	180	60	50
CACL 700 40	700	40	77.1	48	377	3300	240	700	355.54	-30	254.84	385	370	700	180	60	50
CACL 700 45	700	45	84.5	48	383.6	3300	240	700	361.02	-40	239.71	385	370	700	180	60	50
CACL 700 50	700	50	93.3	48	386.5	3300	240	700	355.12	-60	223.28	385	370	700	180	60	50
CACL 700 55	700	55	104.6	48	400.8	3300	240	700	367.74	-60	205.69	385	370	700	180	60	55
CACL 700 60	700	60	120	48	412.7	3300	240	700	378.77	-60	187.07	385	370	700	180	60	60

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACL 800 00	800	00	38.6	48	369.4	3300	240	700	323	95	328	385	370	700	180	60	50
CACL 800 05	800	05	42.6	48	365.7	3300	240	700	329.58	80	326.36	385	370	700	180	60	50
CACL 800 10	800	10	46.7	48	364	3300	240	700	335.94	65	322.84	385	370	700	180	60	50
CACL 800 15	800	15	50.9	48	363.8	3300	240	700	341.91	50	317.48	385	370	700	180	60	50
CACL 800 20	800	20	55.3	48	363	3300	240	700	347.34	35	310.31	385	370	700	180	60	50
CACL 800 25	800	25	60	48	364.2	3300	240	700	347.06	15	301.38	385	370	700	180	60	50
CACL 800 30	800	30	65.1	48	369.5	3300	240	700	350.93	0	280.77	385	370	700	180	60	50
CACL 800 35	800	35	70.8	48	377.4	3300	240	700	353.8	-15	268.56	385	370	700	180	60	50
CACL 800 40	800	40	77.1	48	383.8	3300	240	700	355.54	-30	254.84	385	370	700	180	60	50
CACL 800 45	800	45	84.5	48	390.4	3300	240	700	361.02	-40	239.71	385	370	700	180	60	50
CACL 800 50	800	50	93.3	48	393.4	3300	240	700	355.12	-60	223.28	385	370	700	180	60	50
CACL 800 55	800	55	104.6	48	408.3	3300	240	700	367.74	-60	205.69	385	370	700	180	60	55
CACL 800 60	800	60	120	48	421.2	3300	240	700	378.77	-60	187.07	385	370	700	180	60	60
CACL 900 00	900	00	38.6	64	463.3	4400	240	900	323	95	328	385	370	900	180	60	50
CACL 900 05	900	05	42.6	64	459.2	4400	240	900	329.58	80	326.36	385	370	900	180	60	50
CACL 900 10	900	10	46.7	64	457.7	4400	240	900	335.94	65	322.84	385	370	900	180	60	50
CACL 900 15	900	15	50.9	64	457.8	4400	240	900	341.91	50	317.48	385	370	900	180	60	50
CACL 900 20	900	20	55.3	64	459.7	4400	240	900	347.34	35	310.31	385	370	900	180	60	50
CACL 900 25	900	25	60	64	461.5	4400	240	900	347.06	15	301.38	385	370	900	180	60	50
CACL 900 30	900	30	65.1	64	467.8	4400	240	900	350.93	0	280.77	385	370	900	180	60	50
CACL 900 35	900	35	70.8	64	478.9	4400	240	900	353.8	-15	268.56	385	370	900	180	60	50
CACL 900 40	900	40	77.1	64	487.3	4400	240	900	355.54	-30	254.84	385	370	900	180	60	50
CACL 900 45	900	45	84.5	64	499.4	4400	240	900	361.02	-40	239.71	385	370	900	180	60	50
CACL 900 50	900	50	93.3	64	498.4	4400	240	900	355.12	-60	223.28	385	370	900	180	60	50
CACL 900 55	900	55	104.6	64	519.2	4400	240	900	367.74	-60	205.69	385	370	900	180	60	55
CACL 900 60	900	60	120	64	535.2	4400	240	900	378.77	-60	187.07	385	370	900	180	60	60
CACL 1000 00	1000	00	38.6	64	470.2	4400	240	900	323	95	328	385	370	900	180	60	50
CACL 1000 05	1000	05	42.6	64	466.1	4400	240	900	329.58	80	326.36	385	370	900	180	60	50
CACL 1000 10	1000	10	46.7	64	464.6	4400	240	900	335.94	65	322.84	385	370	900	180	60	50
CACL 1000 15	1000	15	50.9	64	464.7	4400	240	900	341.91	50	317.48	385	370	900	180	60	50
CACL 1000 20	1000	20	55.3	64	466.5	4400	240	900	347.34	35	310.31	385	370	900	180	60	50
CACL 1000 25	1000	25	60	64	468.4	4400	240	900	347.06	15	301.38	385	370	900	180	60	50
CACL 1000 30	1000	30	65.1	64	474.7	4400	240	900	350.93	0	280.77	385	370	900	180	60	50
CACL 1000 35	1000	35	70.8	64	485.8	4400	240	900	353.8	-15	268.56	385	370	900	180	60	50
CACL 1000 40	1000	40	77.1	64	494.2	4400	240	900	355.54	-30	254.84	385	370	900	180	60	50
CACL 1000 45	1000	45	84.5	64	506.3	4400	240	900	361.02	-40	239.71	385	370	900	180	60	50
CACL 1000 50	1000	50	93.3	64	505.3	4400	240	900	355.12	-60	223.28	385	370	900	180	60	50
CACL 1000 55	1000	55	104.6	64	526.9	4400	240	900	367.74	-60	205.69	385	370	900	180	60	55
CACL 1000 60	1000	60	120	64	543.1	4400	240	900	378.77	-60	187.07	385	370	900	180	60	60

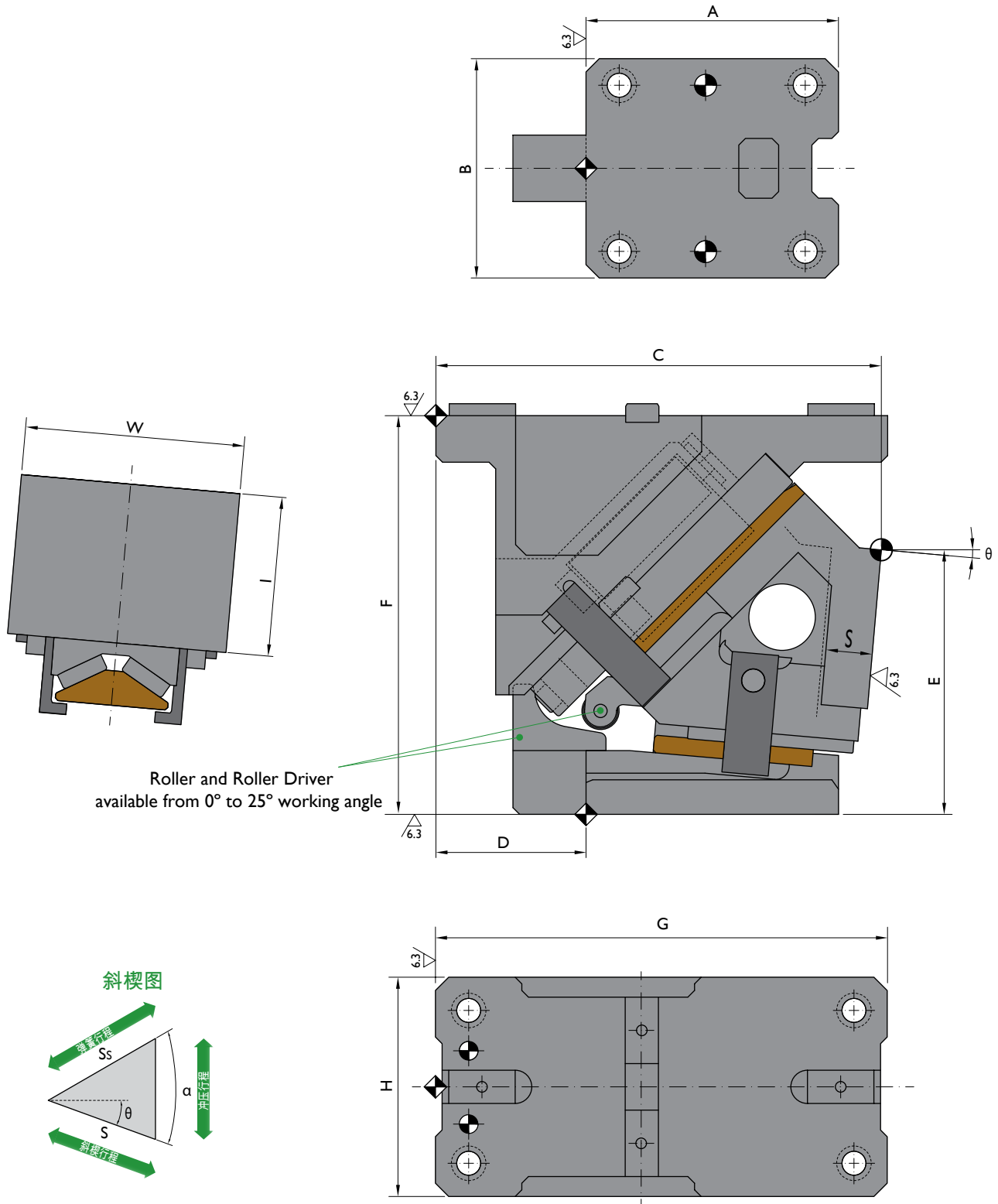


Structure for cams width 70 - 80 mm



Ordering example: CACN-W- θ
CACN-80-60

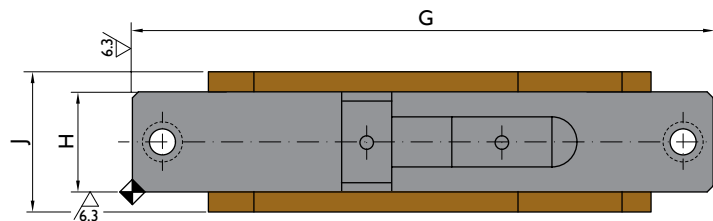
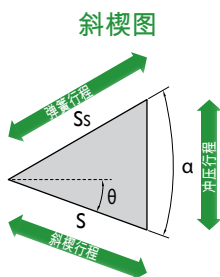
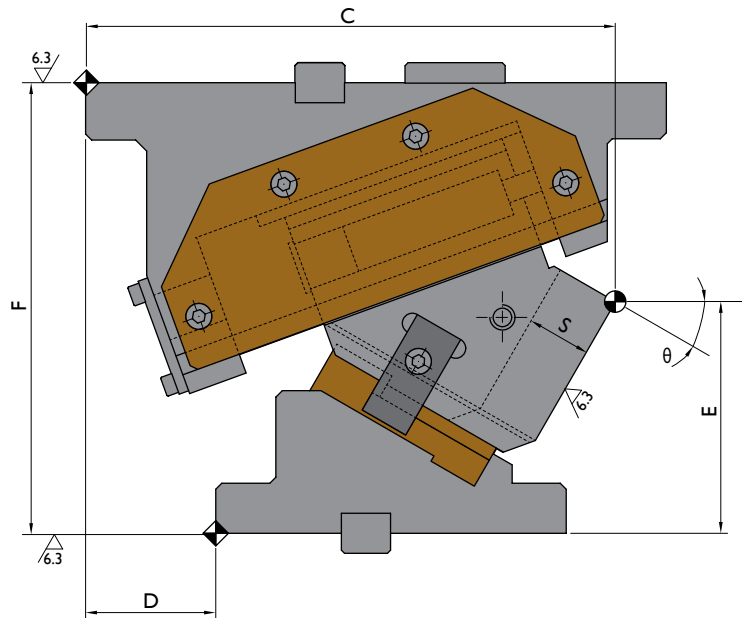
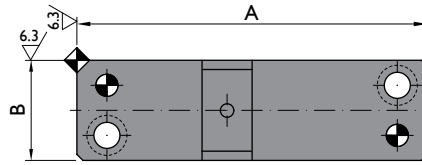
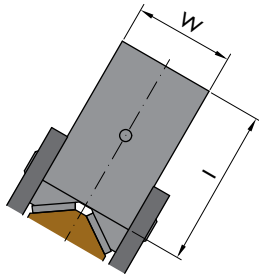
Structure for cams width 165 - 400 mm



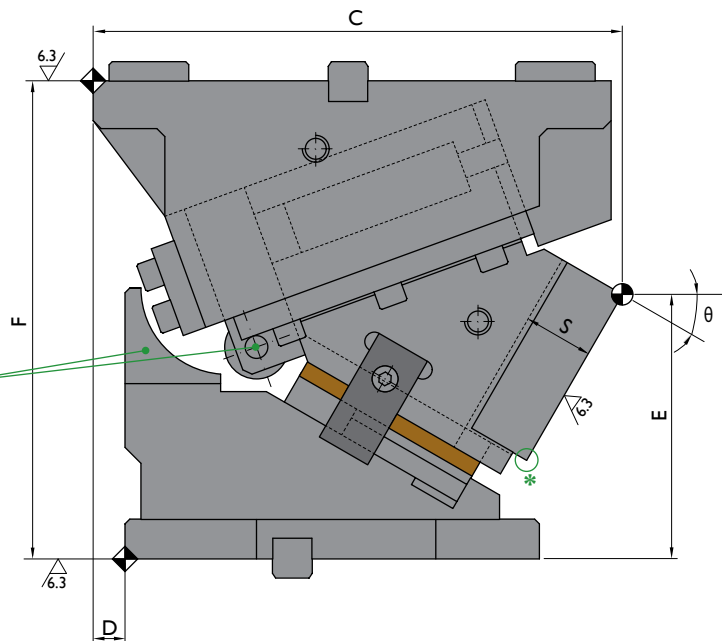
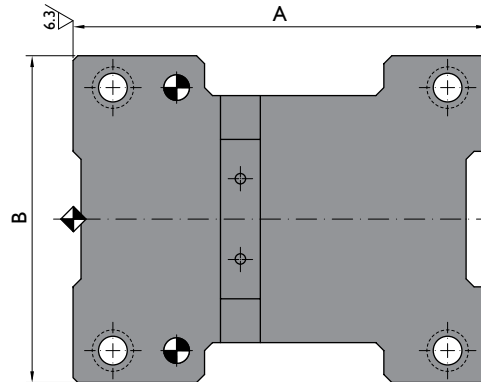
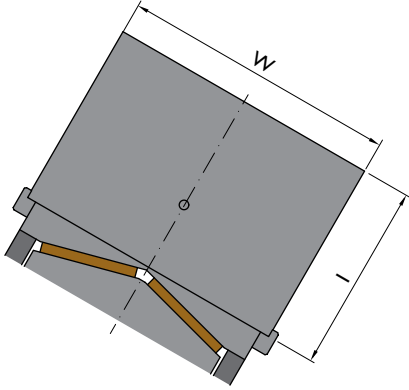
Ordering example: CACN-W-θ
CACN-200-00

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACN 70 00	70	00	19.3	10	16.1	280	150	50	237.37	102	140	225	240	70	75	30	50
CACN 70 05	70	05	21.3	10	15.4	280	150	50	234.87	92	138.72	225	240	70	75	30	50
CACN 70 10	70	10	23.3	10	14.8	280	150	50	232.82	81	136.24	225	240	70	75	30	50
CACN 70 15	70	15	25.4	10	14.1	280	150	50	217.54	57	128.41	225	240	70	75	30	50
CACN 70 20	70	20	27.6	10	14.1	280	150	50	224.52	52	125.33	225	240	70	75	30	50
CACN 70 25	70	25	30	10	14	280	150	50	223.46	42	119.55	225	240	70	75	30	50
CACN 70 30	70	30	32.6	10	13.8	280	150	50	211.54	30	112.01	225	240	70	75	30	50
CACN 70 35	70	35	35.4	10	13.7	280	150	50	210.68	17	107.8	225	240	70	75	30	50
CACN 70 40	70	40	38.6	10	13.8	280	150	50	204.84	4	99.93	225	240	70	75	30	50
CACN 70 45	70	45	42.3	10	13.8	280	150	50	198.15	-2	93.72	225	240	70	75	30	50
CACN 70 50	70	50	46.7	10	13.9	280	150	50	190.95	-21	89.85	225	240	70	75	30	50
CACN 70 55	70	55	43.6	10	14.1	280	150	50	190.51	-23	79	225	240	70	75	25	55
CACN 70 60	70	60	50	10	14.5	280	150	50	185.81	-35	69.14	225	240	70	75	25	60
CACN 80 00	80	00	32.1	17	27.9	280	170	80	280	135	165	275	270	80	75	50	50
CACN 80 05	80	05	35.5	17	27.5	280	170	80	281.31	125	159.07	275	270	80	75	50	50
CACN 80 10	80	10	38.9	17	26.9	280	170	80	277.5	110	157.16	275	270	80	75	50	50
CACN 80 15	80	15	42.4	17	26.5	280	170	80	280.48	105	154.28	275	270	80	75	50	50
CACN 80 20	80	20	46.1	17	26	280	170	80	276.16	95	150.45	275	270	80	75	50	50
CACN 80 25	80	25	50	17	25.9	280	170	80	271.47	80	145.71	275	270	80	75	50	50
CACN 80 30	80	30	54.3	17	25.3	280	170	80	264.33	65	140.08	275	270	80	75	50	50
CACN 80 35	80	35	59	17	25	280	170	80	260.66	55	133.62	275	270	80	75	50	50
CACN 80 40	80	40	64.3	17	24.7	280	170	80	252.32	35	127.24	275	270	80	75	50	50
CACN 80 45	80	45	70.4	17	24.7	280	170	80	247.46	30	118.39	275	270	80	75	50	50
CACN 80 50	80	50	77.8	17	24.9	280	170	80	237.8	15	109.73	275	270	80	75	50	50
CACN 80 55	80	55	78.5	17	25.8	280	170	80	231.36	0	100.47	275	270	80	75	45	55
CACN 80 60	80	60	80	17	26.2	280	170	80	233.95	0	89.11	275	270	80	75	40	60
CACN 165 00	165	00	32.1	30	76.1	540	190	165	335.84	128	203.02	300	340	165	120	50	50
CACN 165 05	165	05	35.5	30	74.2	540	190	165	335.25	113	199.09	300	340	165	120	50	50
CACN 165 10	165	10	38.9	30	73.8	540	190	165	337.27	101	188.91	300	340	165	120	50	50
CACN 165 15	165	15	42.4	30	73.1	540	190	165	329.78	80	177.54	300	340	165	120	50	50
CACN 165 20	165	20	46.1	30	72.3	540	190	165	332.68	70	170.01	300	340	165	120	50	50
CACN 165 25	165	25	50	30	72.1	540	190	165	332.88	58	161.38	300	340	165	120	50	50
CACN 165 30	165	30	54.3	30	71.9	540	190	165	334.28	48	151.72	300	340	165	120	50	50
CACN 165 35	165	35	59	30	72.2	540	190	165	329.8	33	141.11	300	340	165	120	50	50
CACN 165 40	165	40	64.3	30	72.4	540	190	165	321.35	15	129.62	300	340	165	120	50	50
CACN 165 45	165	45	70.4	30	65.5	540	190	165	314.86	0	117.34	300	340	165	120	50	50
CACN 165 50	165	50	77.8	30	64.3	540	190	165	307.27	-15	104.37	300	340	165	120	50	50
CACN 165 55	165	55	87.2	30	65.2	540	190	165	296.59	-32	89.7	300	340	165	125	50	55
CACN 165 60	165	60	100	30	66.6	540	190	165	288.56	-45	77.74	300	340	165	125	50	60

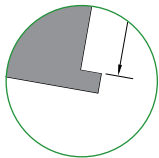
Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACN 200 00	200	00	32.1	36	90.3	710	190	200	335.84	128	203.02	300	340	200	120	50	50
CACN 200 05	200	05	35.5	36	88	710	190	200	335.25	113	199.09	300	340	200	120	50	50
CACN 200 10	200	10	38.9	36	87.5	710	190	200	337.27	101	188.91	300	340	200	120	50	50
CACN 200 15	200	15	42.4	36	87	710	190	200	329.78	80	177.54	300	340	200	120	50	50
CACN 200 20	200	20	46.1	36	85.8	710	190	200	332.68	70	170.01	300	340	200	120	50	50
CACN 200 25	200	25	50	36	86.2	710	190	200	332.88	58	161.38	300	340	200	120	50	50
CACN 200 30	200	30	54.3	36	85.6	710	190	200	334.28	48	151.72	300	340	200	120	50	50
CACN 200 35	200	35	59	36	86.2	710	190	200	329.8	33	141.11	300	340	200	120	50	50
CACN 200 40	200	40	64.3	36	86.6	710	190	200	321.35	15	129.62	300	340	200	120	50	50
CACN 200 45	200	45	70.4	36	88	710	190	200	314.86	0	117.34	300	340	200	120	50	50
CACN 200 50	200	50	77.8	36	78.2	710	190	200	307.27	-15	104.37	300	340	200	120	50	50
CACN 200 55	200	55	87.2	36	80.5	710	190	200	296.59	-32	89.7	300	340	200	120	50	55
CACN 200 60	200	60	100	36	82.4	710	190	200	288.56	-45	77.74	300	340	200	120	50	60
CACN 300 00	300	00	38.6	46	153.2	1420	190	250	313	138	277	375	320	300	160	60	50
CACN 300 05	300	05	42.6	46	152.5	1420	190	250	317.15	125	270.82	375	320	300	160	60	50
CACN 300 10	300	10	46.7	46	151.4	1420	190	250	324.13	115	263.14	375	320	300	160	60	50
CACN 300 15	300	15	50.9	46	154.1	1420	190	250	325.82	100	253.99	375	320	300	160	60	50
CACN 300 20	300	20	55.3	46	148.2	1420	190	250	327.08	85	243.41	375	320	300	160	60	50
CACN 300 25	300	25	60	46	150.2	1420	190	250	334.71	75	236.35	375	320	300	160	60	50
CACN 300 30	300	30	65.1	46	147.3	1420	190	250	327.83	55	228.11	375	320	300	160	60	50
CACN 300 35	300	35	70.8	46	148	1420	190	250	334.51	45	215.83	375	320	300	160	60	50
CACN 300 40	300	40	77.1	46	146.2	1420	190	250	325.46	25	207.7	375	320	300	160	60	50
CACN 300 45	300	45	84.5	46	148.6	1420	190	250	324.84	7	195.77	375	320	300	160	60	50
CACN 300 50	300	50	79.3	46	122.5	1420	190	250	306.63	-35	178.16	375	320	300	160	51	50
CACN 300 55	300	55	88.9	46	130.9	1420	190	250	277.93	-85	145.71	375	320	300	160	51	55
CACN 300 60	300	60	102	46	135.3	1420	190	250	286.45	-85	129.36	375	320	300	160	51	60
CACN 400 00	400	00	38.6	46	160.2	1420	190	250	313	138	277	375	320	300	160	60	50
CACN 400 05	400	05	42.6	46	159.5	1420	190	250	317.15	125	270.82	375	320	300	160	60	50
CACN 400 10	400	10	46.7	46	158.4	1420	190	250	324.13	115	263.14	375	320	300	160	60	50
CACN 400 15	400	15	50.9	46	161.1	1420	190	250	325.82	100	253.99	375	320	300	160	60	50
CACN 400 20	400	20	55.3	46	155.2	1420	190	250	327.08	85	243.41	375	320	300	160	60	50
CACN 400 25	400	25	60	46	157.3	1420	190	250	334.71	75	236.35	375	320	300	160	60	50
CACN 400 30	400	30	65.1	46	154.3	1420	190	250	327.83	55	228.11	375	320	300	160	60	50
CACN 400 35	400	35	70.8	46	155	1420	190	250	334.51	45	215.83	375	320	300	160	60	50
CACN 400 40	400	40	77.1	46	153.3	1420	190	250	325.46	25	207.7	375	320	300	160	60	50
CACN 400 45	400	45	84.5	46	155.6	1420	190	250	324.84	7	195.77	375	320	300	160	60	50
CACN 400 50	400	50	79.3	46	127.7	1420	190	250	306.63	-35	178.16	375	320	300	160	51	50
CACN 400 55	400	55	88.9	46	135.9	1420	190	250	277.93	-85	145.71	375	320	300	160	51	55
CACN 400 60	400	60	102	46	140.4	1420	190	250	286.45	-85	129.36	375	320	300	160	51	60



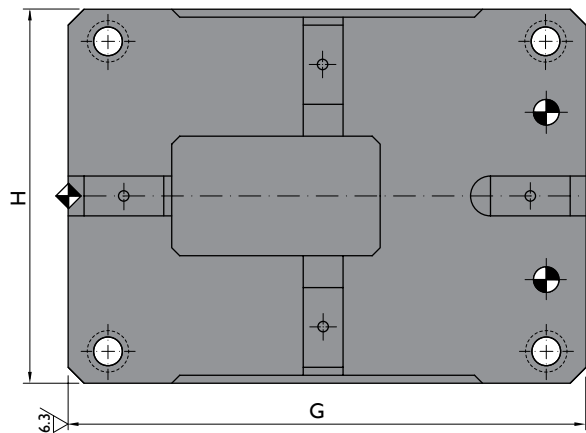
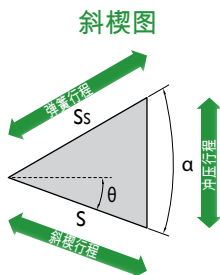
Ordering example: CACN-F-W-θ
CACN-F-75-25



Roller and Roller Driver
available from 0° to 45° working angle



* CACN-F-300

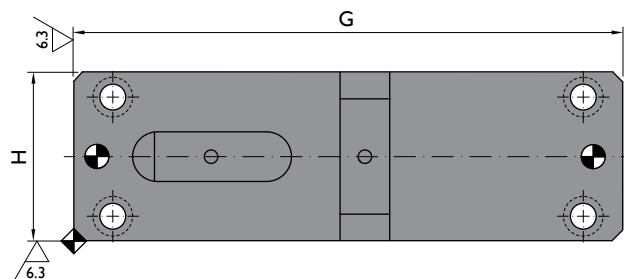
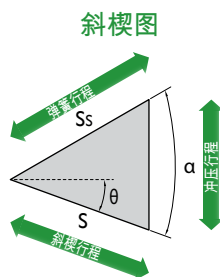
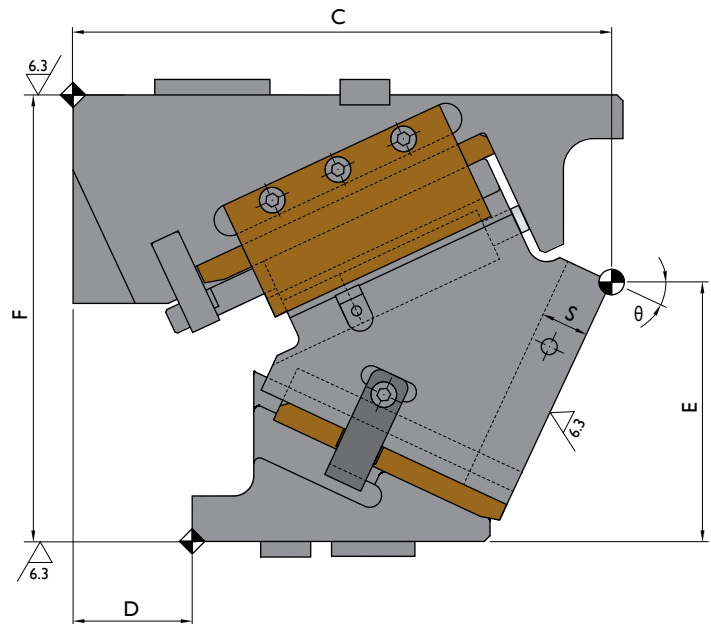
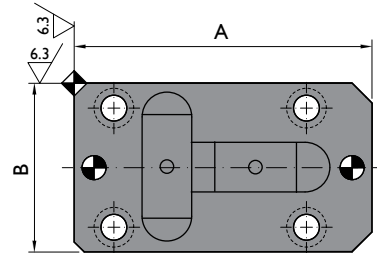
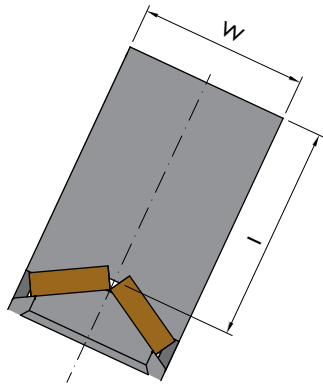


Ordering example: CACN-F-W-θ
CACN-F-150-60

Order No.			Main Features				General Dimensions												
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	Ss mm	α °	
CACN-F 50 00	50	00	26	9	19	280	175	50	252	110	155	225	290	50	80	70	40	50	
CACN-F 50 05	50	05	28	9	19	280	175	50	256.4	105	150.86	225	290	50	80	70	40	50	
CACN-F 50 10	50	10	31	9	18.5	280	175	50	261	95	141.4	225	290	50	80	70	40	50	
CACN-F 50 15	50	15	34	9	18.5	280	175	50	268.06	89	136.57	225	290	50	80	70	40	50	
CACN-F 50 20	50	20	37	9	18	280	175	50	267.11	80	131.39	225	290	50	80	70	40	50	
CACN-F 50 25	50	25	40	9	17.5	280	175	50	266.03	70	121.32	225	290	50	80	70	40	50	
CACN-F 50 30	50	30	43	9	17.5	280	175	50	264.61	65	115.64	225	290	50	80	70	40	50	
CACN-F 50 35	50	35	47	9	17	280	175	50	260.11	52	109.65	225	290	50	80	70	40	50	
CACN-F 50 40	50	40	51	9	17	280	175	50	256.52	45	103.36	225	290	50	80	70	40	50	
CACN-F 50 45	50	45	56	9	17.5	280	175	50	254.8	40	96.77	225	290	50	80	70	40	50	
CACN-F 50 50	50	50	62	9	17.5	280	175	50	247.93	20	89.9	225	290	50	80	70	40	50	
CACN-F 50 55	50	55	70	9	18	280	175	50	245.07	5	88.51	225	290	50	80	70	40	55	
CACN-F 50 60	50	60	60	9	18	280	175	50	237.97	-5	77.89	225	290	50	80	70	30	60	
CACN-F 75 00	75	00	32	15	37.5	560	200	75	314	156	185	275	320	75	100	97	50	50	
CACN-F 75 05	75	05	35	15	37	560	200	75	314.28	141	175.82	275	320	75	100	97	50	50	
CACN-F 75 10	75	10	39	15	36	560	200	75	314.6	131	171.17	275	320	75	100	97	50	50	
CACN-F 75 15	75	15	42	15	35.8	560	200	75	305.94	109	166.06	275	320	75	100	97	50	50	
CACN-F 75 20	75	20	46	15	35.3	560	200	75	309.24	100	160.49	275	320	75	100	97	50	50	
CACN-F 75 25	75	25	50	15	34.5	560	200	75	304.48	85	154.45	275	320	75	100	97	50	50	
CACN-F 75 30	75	30	54	15	34	560	200	75	304.61	80	147.96	275	320	75	100	97	50	50	
CACN-F 75 35	75	35	59	15	34	560	200	75	301.58	67	141.03	275	320	75	100	97	50	50	
CACN-F 75 40	75	40	64	15	34.5	560	200	75	299.37	55	133.68	275	320	75	100	97	50	50	
CACN-F 75 45	75	45	70	15	34.5	560	200	75	293.94	40	125.91	275	320	75	100	97	50	50	
CACN-F 75 50	75	50	78	15	35	560	200	75	286.25	23	117.76	275	320	75	100	97	50	50	
CACN-F 75 55	75	55	70	15	35	560	200	75	275.27	0	109.24	275	320	75	100	97	40	55	
CACN-F 75 60	75	60	80	15	35	560	200	75	267.97	-14	92.89	275	320	75	100	97	40	60	
CACN-F 150 00	150	00	32	18	78	560	260	165	341	95	205	300	325	165	120	-	50	50	
CACN-F 150 05	150	05	35	18	77.5	560	260	165	330.08	60.5	200.76	300	325	165	120	-	50	50	
CACN-F 150 10	150	10	39	18	76	560	260	165	329.2	45.5	195.94	300	325	165	120	-	50	50	
CACN-F 150 15	150	15	42	18	74.5	560	260	165	334.82	37	190.55	300	325	165	120	-	50	50	
CACN-F 150 20	150	20	46	18	73.5	560	260	165	333.88	27	184.58	300	325	165	120	-	50	50	
CACN-F 150 25	150	25	50	18	71.7	560	260	165	331.32	17	178.04	300	325	165	120	-	50	50	
CACN-F 150 30	150	30	54	18	72.3	560	260	165	332.11	20	165.95	300	325	165	120	-	50	50	
CACN-F 150 35	150	35	59	18	72	560	260	165	330.69	10	153.32	300	325	165	120	-	50	50	
CACN-F 150 40	150	40	64	18	72	560	260	165	329.02	0	140.17	300	325	165	120	-	50	50	
CACN-F 150 45	150	45	70	18	71.5	560	260	165	328.55	-31	126.52	300	325	165	120	-	50	50	
CACN-F 150 50	150	50	78	18	71	560	210	165	327.74	8	112.4	300	325	165	120	-	50	50	
CACN-F 150 55	150	55	87	18	70	560	210	165	327.05	-2	97.85	300	325	165	120	-	50	55	
CACN-F 150 60	150	60	100	18	70	560	210	165	319.45	-17	82.89	300	325	165	120	-	50	60	

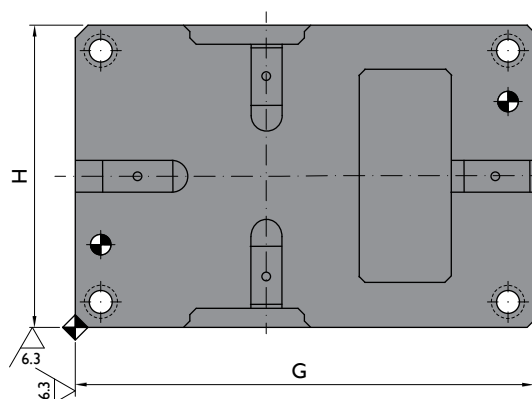
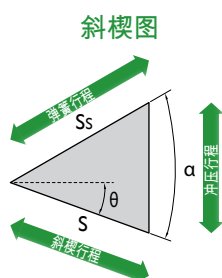
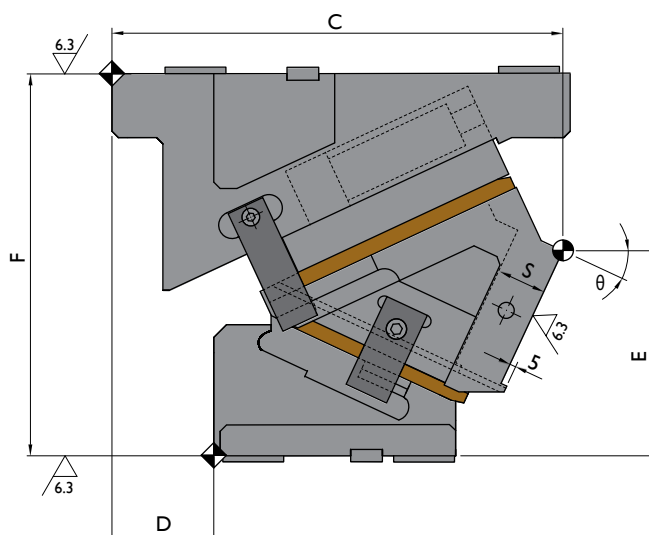
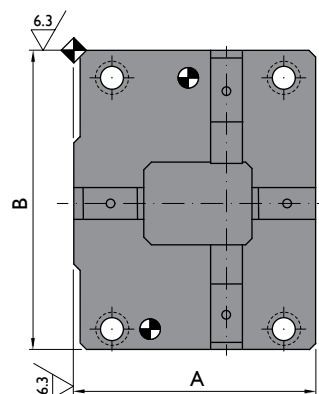
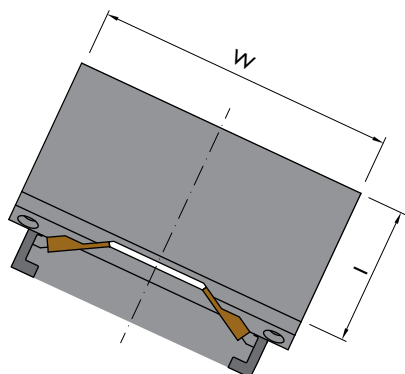
Order No.			Main Features				General Dimensions												
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	Ss mm	α °	
CACN-F 200 00	200	00	32	27	105.5	1120	260	205	341	95	205	300	325	235	120	-	50	50	
CACN-F 200 05	200	05	35	27	104.8	1120	260	205	330.08	60.5	200.76	300	325	235	120	-	50	50	
CACN-F 200 10	200	10	39	27	108.8	1120	260	205	329.2	45.5	195.94	300	325	235	120	-	50	50	
CACN-F 200 15	200	15	42	27	101	1120	260	205	334.82	37	190.55	300	325	235	120	-	50	50	
CACN-F 200 20	200	20	46	27	99.5	1120	260	205	333.88	27	184.58	300	325	235	120	-	50	50	
CACN-F 200 25	200	25	50	27	97	1120	260	205	331.32	17	178.04	300	325	235	120	-	50	50	
CACN-F 200 30	200	30	54	27	97.8	1120	260	205	332.11	20	165.95	300	325	235	120	-	50	50	
CACN-F 200 35	200	35	59	27	97.5	1120	260	205	330.69	10	153.32	300	325	235	120	-	50	50	
CACN-F 200 40	200	40	64	27	97.5	1120	260	205	329.02	0	140.17	300	325	235	120	-	50	50	
CACN-F 200 45	200	45	70	27	97	1120	260	205	328.55	-31	126.52	300	325	235	120	-	50	50	
CACN-F 200 50	200	50	78	27	96.8	1120	210	205	327.74	8	112.4	300	325	235	120	-	50	50	
CACN-F 200 55	200	55	87	27	95	1120	210	205	327.05	-2	97.85	300	325	235	120	-	50	55	
CACN-F 200 60	200	60	100	27	94.8	1120	210	205	319.45	-17	82.89	300	325	235	120	-	50	60	
CACN-F 300 00	300	00	38	40	195	1680	280	270	396	133	285	375	360	330	155	-	60	50	
CACN-F 300 05	300	05	42	40	195.6	1680	280	270	393.39	112.5	280.7	375	360	330	155	-	60	50	
CACN-F 300 10	300	10	46	40	193	1680	280	270	390.81	92	275.72	375	360	330	155	-	60	50	
CACN-F 300 15	300	15	51	40	191.5	1680	280	270	388.2	71.5	270.04	375	360	330	155	-	60	50	
CACN-F 300 20	300	20	55	40	183.7	1680	280	270	385.51	51	263.68	375	360	330	155	-	60	50	
CACN-F 300 25	300	25	50	40	176	1680	280	270	372.66	30.5	256.64	375	360	330	155	-	50	50	
CACN-F 300 30	300	30	54	40	173	1680	280	270	369.61	30	243.94	375	360	330	155	-	50	50	
CACN-F 300 35	300	35	59	40	173	1680	280	270	367.79	16	230.61	375	360	330	155	-	50	50	
CACN-F 300 40	300	40	64	40	172	1680	280	270	365.66	12	216.66	375	360	330	155	-	50	50	
CACN-F 300 45	300	45	70	40	172	1680	280	270	363.15	3	202.12	375	360	330	155	-	50	50	
CACN-F 300 50	300	50	78	40	170	1680	230	270	355.23	-26	177.04	375	360	330	155	-	50	50	
CACN-F 300 55	300	55	87	40	169	1680	230	270	353.34	-53.5	151.45	375	360	330	155	-	50	55	
CACN-F 300 60	300	60	100	40	168	1680	230	270	350.94	-61	130.39	375	360	330	155	-	50	60	

Structure for cams width 60 - 110 mm



Ordering example: CACV-W-θ
CACV-85-60

Structure for cams width 165 - 300 mm



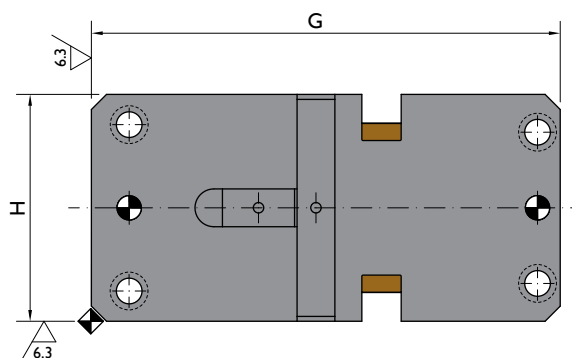
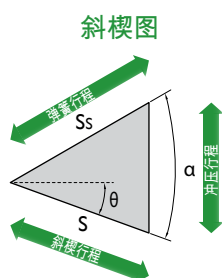
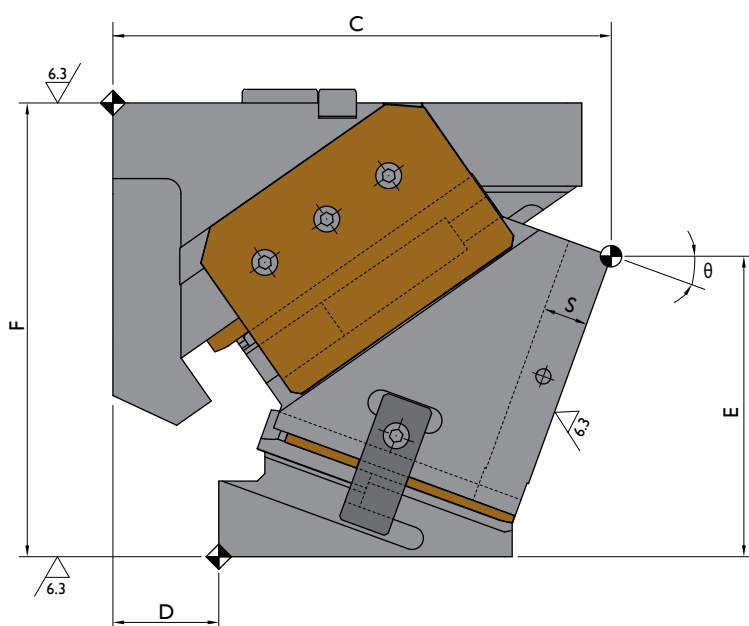
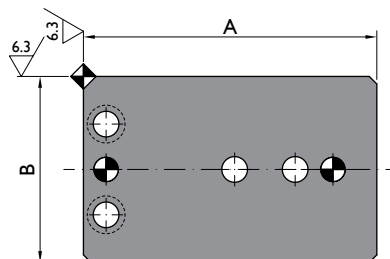
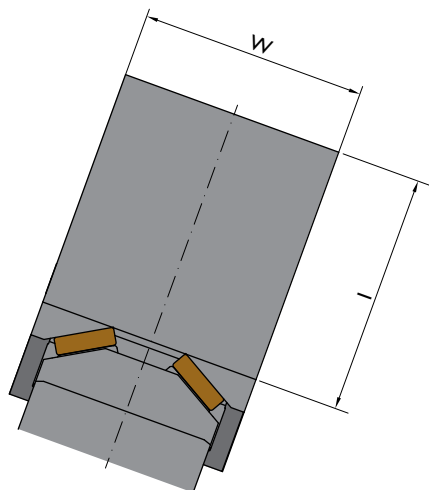
Ordering example: CACV-W-θ
CACV-400-65

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACV 60 00	60	00	19.3	7	20.8	280	165	60	267	100	156	225	277	60	100	30	50
CACV 60 05	60	05	21.3	7	20.5	280	165	60	274.45	95	151.92	225	277	60	100	30	50
CACV 60 10	60	10	23.3	7	19.7	280	165	60	272.04	86	147.44	225	277	60	100	30	50
CACV 60 15	60	15	25.4	7	19.3	280	165	60	273.74	77	142.56	225	277	60	100	30	50
CACV 60 20	60	20	27.6	7	18.9	280	165	60	273.5	69	136.27	225	277	60	100	30	50
CACV 60 25	60	25	30	7	18.8	280	165	60	271.28	56	131.47	225	277	60	100	30	50
CACV 60 30	60	30	32.6	7	18.4	280	165	60	270.02	48	126.43	225	277	60	100	30	50
CACV 60 35	60	35	35.4	7	17.7	280	145	60	266.76	49	119.85	225	277	60	100	30	50
CACV 60 40	60	40	38.6	7	17.5	280	145	60	262.47	39	112.9	225	277	60	100	30	50
CACV 60 45	60	45	42.3	7	17.6	280	145	60	256.13	31	98.5	225	277	60	100	30	50
CACV 60 50	60	50	46.7	7	17.5	280	130	60	249.8	23	90.22	225	277	60	100	30	50
CACV 60 55	60	55	52.3	7	17.6	280	130	60	247.39	16	83.06	225	277	60	100	30	55
CACV 60 60	60	60	60	7	17.9	280	130	60	237.95	5	75.64	225	277	60	100	30	60
CACV 60 65	60	65	71	7	18.6	280	130	60	235	-5	61.32	225	277	60	100	30	65
CACV 60 70	60	70	58.5	7	18.8	280	130	60	230	-15	47.05	225	277	60	100	20	70
CACV 60 75	60	75	77.3	7	19.7	280	130	60	222	-25	37.27	225	277	60	100	20	75
CACV 85 00	85	00	19.3	10	28.2	560	150	85	267	115	162	225	277	85	110	30	50
CACV 85 05	85	05	21.3	10	27.5	560	150	85	272.39	110	157.84	225	277	85	110	30	50
CACV 85 10	85	10	23.3	10	26.6	560	150	85	275.07	101	153.23	225	277	85	110	30	50
CACV 85 15	85	15	25.4	10	26.3	560	150	85	277.99	92	145.28	225	277	85	110	30	50
CACV 85 20	85	20	27.6	10	26.1	560	150	85	273.08	69	136.57	225	277	85	110	30	50
CACV 85 25	85	25	30	10	26.1	560	150	85	271.3	60	130.85	225	277	85	110	30	50
CACV 85 30	85	30	32.6	10	25.3	560	150	85	269.61	52	124.74	225	277	85	110	30	50
CACV 85 35	85	35	35.4	10	24.4	560	150	85	265.99	47	121.54	225	277	85	110	30	50
CACV 85 40	85	40	38.6	10	24	560	140	85	262.39	37	114.47	225	277	85	110	30	50
CACV 85 45	85	45	42.3	10	24.7	560	140	85	256.82	23	107.03	225	277	85	110	30	50
CACV 85 50	85	50	46.7	10	24.7	560	130	85	249.24	20	91.52	225	277	85	110	30	50
CACV 85 55	85	55	52.3	10	24.6	560	130	85	250.67	19	84.21	225	277	85	110	30	55
CACV 85 60	85	60	60	10	25.4	560	130	85	240.1	4	75.65	225	277	85	110	30	60
CACV 85 65	85	65	71	10	25.7	560	130	85	235	-5	65.95	225	277	85	110	30	65
CACV 85 70	85	70	58.5	10	26.2	550	130	85	230	-15	56.12	225	277	85	110	20	70
CACV 85 75	85	75	77.3	10	28.3	550	130	85	228	-25	38.01	225	277	85	110	20	75
CACV 110 00	110	00	32.1	15	51.5	560	165	85	318	138	205	275	330	110	145	50	50
CACV 110 05	110	05	35.5	15	50.4	560	165	85	324.46	130	195.74	275	330	110	145	50	50
CACV 110 10	110	10	38.9	15	50.2	560	165	85	330.22	121	190.87	275	360	110	145	50	50
CACV 110 15	110	15	42.4	15	51.3	560	165	85	336.2	114	180.55	275	360	110	145	50	50
CACV 110 20	110	20	46.1	15	49.7	560	165	85	339.32	105	174.58	275	360	110	145	50	50
CACV 110 25	110	25	50	15	49	560	165	85	340.51	94	165.33	275	360	110	145	50	50
CACV 110 30	110	30	54.3	15	49.5	560	180	85	348.36	70	154.46	275	360	110	145	50	50
CACV 110 35	110	35	59	15	48.6	560	180	85	343.52	54	147.18	275	360	110	145	50	50
CACV 110 40	110	40	64.3	15	46.3	560	150	85	332.59	64	135.59	275	360	110	145	50	50
CACV 110 45	110	45	70.4	15	46.6	560	150	85	322.52	45	125.56	275	360	110	145	50	50
CACV 110 50	110	50	77.8	15	45.4	560	150	85	309.47	25	118.83	275	345	110	140	50	50
CACV 110 55	110	55	87.2	15	46.5	560	150	85	311.07	18	105.21	275	345	110	140	50	55
CACV 110 60	110	60	100	15	47.9	560	150	85	327.93	7	106.15	275	345	110	140	50	60
CACV 110 65	110	65	94.6	15	48.9	560	150	85	317.17	-10	90	275	345	110	140	40	65
CACV 110 70	110	70	81.9	15	50.8	550	150	85	313.12	-20	70	275	345	110	140	28	70
CACV 110 75	110	75	108.2	15	52.6	550	150	85	306.76	-30	50	275	345	110	140	28	75

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACV 165 00	165	00	32.1	17	75.1	1100	190	165	360	150	205	300	360	165	115	50	50
CACV 165 05	165	05	35.5	17	72.9	1100	190	165	356.25	134	199.09	300	360	165	115	50	50
CACV 165 10	165	10	38.9	17	72.1	1100	190	165	359.27	118	188.91	300	360	165	115	50	50
CACV 165 15	165	15	42.4	17	71.6	1100	190	165	355.78	111	177.53	300	360	165	115	50	50
CACV 165 20	165	20	46.1	17	70.3	1100	190	165	355.68	93	170	300	360	165	115	50	50
CACV 165 25	165	25	50	17	69.8	1100	190	165	354.25	80	161.08	300	360	165	115	50	50
CACV 165 30	165	30	54.3	17	69	1100	190	165	357.28	70	151.72	300	360	165	115	50	50
CACV 165 35	165	35	59	17	69.4	1100	190	165	345.8	64	141.11	300	360	165	115	50	50
CACV 165 40	165	40	64.3	17	69.3	1100	190	165	344.27	58	129.62	300	360	165	115	50	50
CACV 165 45	165	45	70.4	17	70.3	1100	190	165	344.86	40	117.34	300	360	165	115	50	50
CACV 165 50	165	50	77.8	17	69.1	1100	190	165	327.27	10	104.37	300	360	165	115	50	50
CACV 165 55	165	55	61	17	68.1	1100	190	165	324.39	0	89.8	300	360	165	115	35	55
CACV 165 60	165	60	40	17	68.3	1100	190	165	317.59	-7	84.37	300	360	165	115	20	60
CACV 165 65	165	65	47.3	17	70	1100	190	165	314.23	-15	68.6	300	360	165	115	20	65
CACV 165 70	165	70	58.5	17	71.7	1100	190	165	308.07	-25	54.33	300	360	165	115	20	70
CACV 165 75	165	75	58	17	73.5	1100	190	165	301.08	-35	39.76	300	360	165	115	15	75
CACV 200 00	200	00	32.1	22	91.6	1100	190	200	360	150	205	300	360	200	115	50	50
CACV 200 05	200	05	35.5	22	88.9	1100	190	200	356.25	134	199.09	300	360	200	115	50	50
CACV 200 10	200	10	38.9	22	88	1100	190	200	359.27	118	188.91	300	360	200	115	50	50
CACV 200 15	200	15	42.4	22	87	1100	190	200	355.78	111	177.53	300	360	200	115	50	50
CACV 200 20	200	20	46.1	22	85.5	1100	190	200	355.68	93	170	300	360	200	115	50	50
CACV 200 25	200	25	50	22	85.9	1100	190	200	354.88	80	161.38	300	360	200	115	50	50
CACV 200 30	200	30	54.3	22	85	1100	190	200	357.28	70	151.72	300	360	200	115	50	50
CACV 200 35	200	35	59	22	84.8	1100	190	200	345.8	64	141.11	300	360	200	115	50	50
CACV 200 40	200	40	64.3	22	85.8	1100	190	200	344.27	58	129.62	300	360	200	115	50	50
CACV 200 45	200	45	70.4	22	85.7	1100	190	200	344.86	40	117.34	300	360	200	115	50	50
CACV 200 50	200	50	77.8	22	84.7	1100	190	200	327.27	10	104.37	300	360	200	115	50	50
CACV 200 55	200	55	52.3	22	85.7	1100	190	200	324.39	0	89.8	300	360	200	115	30	55
CACV 200 60	200	60	60	22	84.2	1100	190	200	317.59	-7	84.37	300	360	200	115	30	60
CACV 200 65	200	65	71	22	86.7	1100	190	200	319.23	-15	68.6	300	360	200	115	30	65
CACV 200 70	200	70	58.5	22	88.8	1100	190	200	313.07	-25	54.33	300	360	200	115	20	70
CACV 200 75	200	75	77.3	22	91.1	1100	190	200	306.08	-35	39.76	300	360	200	115	20	75
CACV 250 00	250	00	32.1	29	113	2200	190	250	360	150	205	300	360	250	115	50	50
CACV 250 05	250	05	35.5	29	110.5	2200	190	250	356.43	134	201.08	300	360	250	115	50	50
CACV 250 10	250	10	38.9	29	109.6	2200	190	250	359.62	118	190.88	300	360	250	115	50	50
CACV 250 15	250	15	42.4	29	108.4	2200	190	250	356.3	111	179.47	300	360	250	115	50	50
CACV 250 20	250	20	46.1	29	107.1	2200	190	250	356.37	93	171.88	300	360	250	115	50	50
CACV 250 25	250	25	50	29	106	2200	190	250	355.73	80	163.19	300	360	250	115	50	50
CACV 250 30	250	30	54.3	29	105.8	2200	190	250	358.28	70	153.45	300	360	250	115	50	50
CACV 250 35	250	35	59	29	107	2200	190	250	346.94	64	142.75	300	360	250	115	50	50
CACV 250 40	250	40	64.3	29	108.2	2200	190	250	345.56	58	131.15	300	360	250	115	50	50
CACV 250 45	250	45	70.4	29	108.5	2200	190	250	346.27	40	118.76	300	360	250	115	50	50
CACV 250 50	250	50	77.8	29	107.4	2200	190	250	328.8	10	105.66	300	360	250	115	50	50
CACV 250 55	250	55	52.3	29	106.3	2200	190	250	326.84	0	91.52	300	360	250	115	30	55
CACV 250 60	250	60	60	29	106.4	2200	190	250	320.19	-7	85.87	300	360	250	115	30	60
CACV 250 65	250	65	71	29	109.4	2200	190	250	319.23	-15	68.6	300	360	250	115	30	65
CACV 250 70	250	70	58.5	29	112.5	2200	190	250	313.07	-25	54.33	300	360	250	115	20	70
CACV 250 75	250	75	77.3	29	115.5	2200	190	250	306.08	-35	39.76	300	360	250	115	20	75

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACV 300 00	300	00	38.6	37	167.1	2200	230	250	395	163	277	375	390	300	155	60	50
CACV 300 05	300	05	42.6	37	163.8	2200	230	250	387.15	155	270.81	375	390	300	155	60	50
CACV 300 10	300	10	46.7	37	161.9	2200	230	250	394.13	145	263.14	375	390	300	155	60	50
CACV 300 15	300	15	50.9	37	160.1	2200	230	250	395.82	135	253.99	375	390	300	155	60	50
CACV 300 20	300	20	55.3	37	157.9	2200	230	250	397.08	120	243.41	375	390	300	155	60	50
CACV 300 25	300	25	60	37	158.6	2200	230	250	404.71	110	236.35	375	400	300	155	60	50
CACV 300 30	300	30	65.1	37	157.1	2200	230	250	408.22	85	228.11	375	400	300	155	60	50
CACV 300 35	300	35	70.8	37	158.5	2200	230	250	404.52	70	215.83	375	400	300	155	60	50
CACV 300 40	300	40	77.1	37	159.4	2200	230	250	400.46	55	207.7	375	400	300	155	60	50
CACV 300 45	300	45	84.5	37	159	2200	230	250	394.84	40	195.76	375	400	300	155	60	50
CACV 300 50	300	50	93.3	37	157.7	2200	230	250	393.35	17	178.96	375	410	300	155	60	50
CACV 300 55	300	55	104.6	37	162.3	2200	230	250	393.35	0	152.25	375	410	300	155	60	55
CACV 300 60	300	60	120	37	166.9	2200	230	250	393.35	-10	125.39	375	410	300	155	60	60
CACV 300 65	300	65	94.6	37	171.7	2200	230	250	387.48	-28	108.51	375	410	300	155	40	65
CACV 300 70	300	70	73.1	37	176.8	2200	230	250	378.65	-45	93.01	375	410	300	155	25	70
CACV 300 75	300	75	96.6	37	182.2	2200	230	250	364.72	-65	78.12	375	410	300	155	25	75
CACV 350 00	350	00	38.6	41	212.4	2800	230	350	395	160	290	375	390	350	155	60	50
CACV 350 05	350	05	42.6	41	214.7	2800	230	350	409.62	155	279.98	375	390	350	155	60	50
CACV 350 10	350	10	46.7	41	207	2800	230	350	414.52	140	270.33	375	390	350	155	60	50
CACV 350 15	350	15	50.9	41	204.5	2800	230	350	408.6	115	261.24	375	390	350	155	60	50
CACV 350 20	350	20	55.3	41	205.3	2800	230	350	422.92	110	252.79	375	410	350	155	60	50
CACV 350 25	350	25	60	41	203.9	2800	230	350	421.53	90	245.04	375	410	350	155	60	50
CACV 350 30	350	30	65.1	41	203.5	2800	230	350	418.5	70	238.06	375	410	350	155	60	50
CACV 350 35	350	35	70.8	41	204.6	2800	230	350	415.89	50	221.88	375	410	350	155	60	50
CACV 350 40	350	40	77.1	41	207.1	2800	230	350	410.78	30	206.57	375	410	350	155	60	50
CACV 350 45	350	45	84.5	41	209.7	2800	230	350	405.25	10	192.16	375	410	350	155	60	50
CACV 350 50	350	50	93.3	41	210.9	2800	230	350	397.37	-10	173.68	375	410	350	155	60	50
CACV 350 55	350	55	87.2	41	208.7	2800	230	350	398.61	-20	160.31	375	410	350	155	50	55
CACV 350 60	350	60	90	41	214.1	2800	230	350	392.76	-35	139.33	375	410	350	155	45	60
CACV 350 65	350	65	94.6	41	218.5	2800	230	350	398.83	-40	119.69	375	410	350	155	40	65
CACV 350 70	350	70	87.7	41	225.5	2800	230	350	394.78	-50	100.47	375	410	350	155	30	70
CACV 350 75	350	75	96.6	41	230.9	2800	230	350	394.55	-55	79.79	375	410	350	155	25	75
CACV 400 00	400	00	38.6	45	224.6	3300	230	350	395	158	287	375	390	400	155	60	50
CACV 400 05	400	05	42.6	45	221.3	3300	230	350	387.15	155	280.81	375	390	400	155	60	50
CACV 400 10	400	10	46.7	45	218.7	3300	230	350	394.13	145	268.14	375	390	400	155	60	50
CACV 400 15	400	15	50.9	45	215.7	3300	230	350	395.82	135	256.99	375	390	400	155	60	50
CACV 400 20	400	20	55.3	45	212.8	3300	230	350	397.08	100	243.41	375	390	400	155	60	50
CACV 400 25	400	25	60	45	214	3300	230	350	404.71	85	236.35	375	400	400	155	60	50
CACV 400 30	400	30	65.1	45	212.7	3300	230	350	408.22	65	228.11	375	400	400	155	60	50
CACV 400 35	400	35	70.8	45	215	3300	230	350	404.52	50	215.83	375	400	400	155	60	50
CACV 400 40	400	40	77.1	45	216.2	3300	230	350	400.46	40	207.7	375	400	400	155	60	50
CACV 400 45	400	45	84.5	45	217.3	3300	230	350	394.84	20	195.76	375	400	400	155	60	50
CACV 400 50	400	50	93.3	45	216.6	3300	230	350	393.35	2	178.96	375	410	400	155	60	50
CACV 400 55	400	55	104.6	45	224	3300	230	350	392.76	-13	153.17	375	410	400	155	60	55
CACV 400 60	400	60	120	45	232.2	3300	230	350	393.35	-30	125.39	375	410	400	155	60	60
CACV 400 65	400	65	94.6	45	239.3	3300	230	350	387.48	-48	108.51	375	410	400	155	40	65
CACV 400 70	400	70	73.1	45	247.6	3300	230	350	378.65	-65	93.01	375	410	400	155	25	70
CACV 400 75	400	75	96.6	45	252.9	3300	230	350	364.72	-85	78.12	375	410	400	155	25	75





Ordering example: CACV-F-W-θ
CACV-F-85-75

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACV-F 60 00	60	00	19.3	14	13	280	155	60	175	25	155	210	205	60	100	30	50
CACV-F 60 05	60	05	21.3	14	13	280	150	60	179.26	25	152.63	210	205	60	100	30	50
CACV-F 60 10	60	10	21.5	14	13	280	145	60	183.3	25	149.9	210	205	60	100	30	55
CACV-F 60 15	60	15	23.8	14	13	280	140	60	189.68	25	146.49	210	205	60	100	30	55
CACV-F 60 20	60	20	24.5	14	13	280	140	60	190.59	25	133.43	210	205	60	100	30	60
CACV-F 60 25	60	25	27.1	14	13	280	125	60	193.79	25	129.75	210	205	60	100	30	60
CACV-F 60 30	60	30	30	14	13	280	125	60	196.65	25	125.8	210	205	60	100	30	60
CACV-F 60 35	60	35	31.7	14	13	280	115	60	199.16	25	121.62	210	205	60	100	30	65
CACV-F 60 40	60	40	35.5	14	13	280	110	60	198.08	10	113.4	210	220	60	100	30	65
CACV-F 60 45	60	45	38.5	14	14	280	105	60	225.96	40	105.61	210	235	60	100	30	70
CACV-F 60 50	60	50	43.9	14	14	280	105	60	211.71	10	96.56	210	220	60	100	30	70
CACV-F 60 55	60	55	49.2	14	14	280	105	60	212.11	10	92.46	210	220	60	100	30	75
CACV-F 60 60	60	60	58	14	14	280	92	60	203.48	10	83.35	210	220	60	100	30	75
CACV-F 60 65	60	65	68.6	14	15	280	85	60	202.75	10	80.02	210	220	60	100	30	80
CACV-F 60 70	60	70	70.6	14	14	280	85	60	205.54	10	63.61	210	220	60	100	25	85
CACV-F 60 75	60	75	76.1	14	15	280	80	60	204.77	10	58.79	210	235	60	100	25	85
CACV-F 85 00	85	00	30.9	29	27	560	175	60	238	55	165	225	255	85	120	48	50
CACV-F 85 05	85	05	34.1	29	26	560	170	60	243.28	55	160.82	225	255	85	120	48	50
CACV-F 85 10	85	10	34.5	29	26	560	160	60	247.73	55	151.25	225	255	85	120	48	55
CACV-F 85 15	85	15	38.1	29	25	560	155	60	252.64	55	146.23	225	255	85	120	48	55
CACV-F 85 20	85	20	41.8	29	25	560	155	60	259.24	55	145.49	225	255	85	120	48	55
CACV-F 85 25	85	25	43.4	29	27	560	155	60	262.37	40	134.92	225	285	85	120	48	60
CACV-F 85 30	85	30	48	29	26	560	155	60	272.11	40	137.29	225	285	85	120	48	60
CACV-F 85 35	85	35	50.8	29	25	560	155	60	277.45	40	130.13	225	285	85	120	48	65
CACV-F 85 40	85	40	56.8	29	25	560	155	60	282.59	40	122.51	225	285	85	120	48	65
CACV-F 85 45	85	45	42.3	29	25	560	150	60	245.41	0	107.38	225	265	85	120	33	70
CACV-F 85 50	85	50	48.2	29	24	560	135	60	247.12	0	97.62	225	265	85	120	33	70
CACV-F 85 55	85	55	54.1	29	25	560	135	60	263	0	98.26	225	265	85	120	33	75
CACV-F 85 60	85	60	63.8	29	24	560	135	60	267.02	0	88.89	225	265	85	120	33	75
CACV-F 85 65	85	65	75.4	29	25	560	126	60	257.06	0	77.85	225	265	85	120	33	80
CACV-F 85 70	85	70	95	29	26	560	109	60	248.86	5	64.19	225	275	85	120	33	80
CACV-F 85 75	85	75	95.1	29	26	560	109	60	251.61	5	43.93	225	275	85	120	25	85
CACV-F 110 00	110	00	30.9	41	49	560	210	87	278	60	205	275	290	110	160	48	50
CACV-F 110 05	110	05	34.1	41	49	560	205	87	285.45	60	200.72	275	290	110	160	48	50
CACV-F 110 10	110	10	34.5	41	48	560	195	87	292.94	60	195.79	275	290	110	160	48	55
CACV-F 110 15	110	15	38.1	41	48	560	190	87	300.41	60	190.21	275	290	110	160	48	55
CACV-F 110 20	110	20	41.8	41	47	560	185	87	307.8	60	183.98	275	290	110	160	48	55
CACV-F 110 25	110	25	43.4	41	45	560	178	87	302.93	50	172.58	275	300	110	160	48	60
CACV-F 110 30	110	30	48	41	47	560	172	87	309.61	50	165.28	275	300	110	160	48	60
CACV-F 110 35	110	35	50.8	41	47	560	167	87	316.06	50	157.42	275	300	110	160	48	65
CACV-F 110 40	110	40	56.8	41	45	560	163	87	322.23	50	149	275	300	110	160	48	65
CACV-F 110 45	110	45	61.5	41	45	560	183	87	311.62	10	143.59	275	295	110	160	48	70
CACV-F 110 50	110	50	48.2	41	46	560	172	87	309.74	10	127.4	275	295	110	160	33	70
CACV-F 110 55	110	55	54.1	41	45	560	157	87	302.27	10	109.24	275	295	110	160	33	75
CACV-F 110 60	110	60	63.8	41	46	560	155	87	305.96	10	100.39	275	295	110	160	33	75
CACV-F 110 65	110	65	75.4	41	45	560	137	87	285.71	0	79.89	275	295	110	160	33	80
CACV-F 110 70	110	70	95	41	47	560	135	87	288.18	0	66.67	275	295	110	160	33	80
CACV-F 110 75	110	75	95.1	41	45	560	134	87	290.36	0	63.24	275	310	110	160	25	85

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACV-F 150 00	150	00	32.1	59	65	710	220	123	298	70	235	300	310	150	160	50	50
CACV-F 150 05	150	05	35.5	59	63	710	210	123	307.2	70	230.65	300	310	150	160	50	50
CACV-F 150 10	150	10	35.9	59	65	710	200	123	313.81	70	210.72	300	310	150	160	50	55
CACV-F 150 15	150	15	39.7	59	64	710	195	123	321.7	70	205.04	300	310	150	160	50	55
CACV-F 150 20	150	20	43.6	59	63	710	194	123	329.51	70	198.68	300	310	150	160	50	55
CACV-F 150 25	150	25	45.2	59	67	710	202	123	342.93	60	182.58	300	350	150	160	50	60
CACV-F 150 30	150	30	50	59	68	710	199	123	352.11	60	174.61	300	350	150	160	50	60
CACV-F 150 35	150	35	52.9	59	68	710	201	123	364.66	60	169.7	300	350	150	160	50	65
CACV-F 150 40	150	40	59.2	59	67	710	197	123	371.87	60	155.49	300	350	150	160	50	65
CACV-F 150 45	150	45	64.1	59	64	710	182	123	325.76	20	147.73	300	340	150	160	50	70
CACV-F 150 50	150	50	73.1	59	65	710	179	123	332.72	20	131.69	300	340	150	160	50	70
CACV-F 150 55	150	55	81.9	59	65	710	186	123	347.32	20	120.79	300	340	150	160	50	75
CACV-F 150 60	150	60	96.6	59	67	710	183	123	353.59	20	102.89	300	340	150	160	50	75
CACV-F 150 65	150	65	91.4	59	70	710	183	123	359.15	20	94.48	300	340	150	160	40	80
CACV-F 150 70	150	70	84.7	59	68	710	168	123	334.26	0	73.9	300	340	150	160	30	85
CACV-F 150 75	150	75	76.1	59	68	710	167	123	338.15	0	65.06	300	340	150	160	20	85
CACV-F 180 00	180	00	32.1	61	78	710	220	153	298	70	235	300	310	180	160	50	50
CACV-F 180 05	180	05	35.5	61	77	710	210	153	307.2	70	230.65	300	310	180	160	50	50
CACV-F 180 10	180	10	35.9	61	77	710	200	153	313.81	70	210.72	300	310	180	160	50	55
CACV-F 180 15	180	15	39.7	61	77	710	195	153	321.7	70	205.04	300	310	180	160	50	55
CACV-F 180 20	180	20	43.6	61	78	710	191	153	329.51	70	198.68	300	310	180	160	50	55
CACV-F 180 25	180	25	45.2	61	80	710	199	153	342.93	60	182.58	300	350	180	160	50	60
CACV-F 180 30	180	30	50	61	80	710	199	153	352.11	60	174.61	300	350	180	160	50	60
CACV-F 180 35	180	35	52.9	61	83	710	201	153	364.66	60	169.7	300	350	180	160	50	65
CACV-F 180 40	180	40	59.2	61	83	710	197	153	371.87	60	155.49	300	350	180	160	50	65
CACV-F 180 45	180	45	64.1	61	78	710	182	153	325.76	20	147.73	300	340	180	160	50	70
CACV-F 180 50	180	50	73.1	61	80	710	179	153	332.72	20	131.69	300	340	180	160	50	70
CACV-F 180 55	180	55	81.9	61	78	710	186	153	347.32	20	120.79	300	340	180	160	50	75
CACV-F 180 60	180	60	96.6	61	81	710	182	153	353.59	20	102.89	300	340	180	160	50	75
CACV-F 180 65	180	65	91.4	61	83	710	181	153	359.15	20	94.48	300	340	180	160	40	80
CACV-F 180 70	180	70	84.7	61	85	710	168	153	334.26	0	73.9	300	340	180	160	30	85
CACV-F 180 75	180	75	76.1	61	85	710	172	153	338.15	0	65.06	300	340	180	160	20	85
CACV-F 220 00	220	00	32.1	74	94	1100	215	188	308	80	240	300	320	220	160	50	50
CACV-F 220 05	220	05	35.5	74	94	1100	210	188	317.63	80	235.63	300	320	220	160	50	50
CACV-F 220 10	220	10	35.9	74	94	1100	200	188	323.81	80	210.72	300	320	220	160	50	55
CACV-F 220 15	220	15	39.7	74	94	1100	190	188	331.7	80	205.04	300	320	220	160	50	55
CACV-F 220 20	220	20	43.6	74	94	1100	185	188	337.8	80	193.98	300	320	220	160	50	55
CACV-F 220 25	220	25	45.2	74	95	1100	195	188	345.05	60	187.11	300	360	220	160	50	60
CACV-F 220 30	220	30	50	74	98	1100	190	188	357.11	60	183.27	300	360	220	160	50	60
CACV-F 220 35	220	35	52.9	74	99	1100	185	188	362.94	60	167.24	300	360	220	160	50	65
CACV-F 220 40	220	40	59.2	74	99	1100	180	188	373.16	60	157.02	300	360	220	160	50	65
CACV-F 220 45	220	45	64.1	74	99	1100	160	188	348.64	45	145.61	300	365	220	160	50	70
CACV-F 220 50	220	50	73.1	74	98	1100	160	188	355.42	45	129.76	300	365	220	160	50	70
CACV-F 220 55	220	55	81.9	74	99	1100	161	188	361.67	45	113.33	300	365	220	160	50	75
CACV-F 220 60	220	60	96.6	74	99	1100	159	188	371.66	45	98.89	300	365	220	160	50	75
CACV-F 220 65	220	65	91.4	74	99	1100	161	188	367.84	45	86.87	300	365	220	160	40	80
CACV-F 220 70	220	70	100.8	74	99	1100	163	188	372.05	45	79.45	300	365	220	160	35	80
CACV-F 220 75	220	75	95.1	74	100	1100	145	188	352.07	35	53.07	300	365	220	160	25	85

Order No.			Main Features				General Dimensions										
Model	W mm	θ °	S mm	Working Force tnf 300.000 strokes	Weight kg	Spring Force kgf	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Ss mm	α °
CACV-F 260 00	260	00	32.1	78	110	2400	215	226	308	80	240	300	320	260	160	50	50
CACV-F 260 05	260	05	35.5	78	111	2400	210	226	317.63	80	235.63	300	320	260	160	50	50
CACV-F 260 10	260	10	35.9	78	112	2400	200	226	323.81	80	210.72	300	320	260	160	50	55
CACV-F 260 15	260	15	39.7	78	112	2400	190	226	331.7	80	205.04	300	320	260	160	50	55
CACV-F 260 20	260	20	43.6	78	112	2400	185	226	337.8	80	193.98	300	320	260	160	50	55
CACV-F 260 25	260	25	45.2	78	114	2400	195	226	345.05	60	187.11	300	360	260	160	50	60
CACV-F 260 30	260	30	50	78	115	2400	190	226	357.11	60	183.27	300	360	260	160	50	60
CACV-F 260 35	260	35	52.9	78	116	2400	185	226	362.94	60	167.24	300	360	260	160	50	65
CACV-F 260 40	260	40	59.2	78	115	2400	180	226	373.16	60	157.02	300	360	260	160	50	65
CACV-F 260 45	260	45	64.1	78	115	2400	160	226	348.64	45	145.61	300	365	260	160	50	70
CACV-F 260 50	260	50	73.1	78	115	2400	160	226	355.42	45	129.76	300	365	260	160	50	70
CACV-F 260 55	260	55	81.9	78	117	2400	170	226	361.67	45	113.33	300	365	260	160	50	75
CACV-F 260 60	260	60	96.6	78	117	2400	160	226	371.66	45	98.89	300	365	260	160	50	75
CACV-F 260 65	260	65	91.4	78	118	2400	166	226	367.84	45	86.87	300	365	260	160	40	80
CACV-F 260 70	260	70	100.8	78	119	2400	165	226	372.05	45	79.45	300	365	260	160	35	80
CACV-F 260 75	260	75	95.1	78	119	2400	150	226	352.07	35	53.07	300	365	260	160	25	85
CACV-F 330 00	330	00	37.3	104	224	4000	280	285	403	130	300	375	415	330	180	58	50
CACV-F 330 05	330	05	41.2	104	216	4000	268	285	410.89	130	280.7	375	415	330	180	58	50
CACV-F 330 10	330	10	41.6	104	214	4000	254	285	418.81	130	275.72	375	415	330	180	58	55
CACV-F 330 15	330	15	46	104	214	4000	255	285	426.7	130	270.04	375	415	330	180	58	55
CACV-F 330 20	330	20	50.6	104	209	4000	245	285	409.51	105	263.68	375	415	330	180	58	55
CACV-F 330 25	330	25	52.4	104	205	4000	259	285	417.16	80	256.64	375	415	330	180	58	60
CACV-F 330 30	330	30	58	104	204	4000	250	285	424.61	80	243.94	375	415	330	180	58	60
CACV-F 330 35	330	35	61.3	104	203	3900	237	285	427.78	80	224.87	375	415	330	180	58	65
CACV-F 330 40	330	40	68.6	104	203	3900	232	285	438.66	80	216.66	375	415	330	180	58	65
CACV-F 330 45	330	45	74.3	104	201	3900	225	285	395.15	30	202.12	375	450	330	180	58	70
CACV-F 330 50	330	50	84.8	104	201	3900	222	285	412.72	30	186.69	375	450	330	180	58	70
CACV-F 330 55	330	55	95	104	208	3900	226	285	423.22	30	162.92	375	450	330	180	58	75
CACV-F 330 60	330	60	112.1	104	211	3900	228	285	433.59	30	142.89	375	450	330	180	58	75
CACV-F 330 65	330	65	102.9	104	224	3800	242	330	434.62	0	132.36	375	450	330	180	45	80
CACV-F 330 70	330	70	127.1	104	228	3800	232	330	429.87	0	120.48	375	450	330	180	45	85
CACV-F 330 75	330	75	114.2	104	223	3800	221	330	418.49	0	112.47	375	450	330	180	30	85
CACV-F 400 00	400	00	37.3	107	269	4000	280	338	403	130	300	375	415	400	180	58	50
CACV-F 400 05	400	05	41.2	107	263	4000	280	338	410.89	130	280.7	375	415	400	180	58	50
CACV-F 400 10	400	10	41.6	107	263	4000	255	338	418.81	130	275.72	375	415	400	180	58	55
CACV-F 400 15	400	15	46	107	262	4000	255	338	426.7	130	270.04	375	415	400	180	58	55
CACV-F 400 20	400	20	50.6	107	254	4000	245	338	409.51	105	263.68	375	415	400	180	58	55
CACV-F 400 25	400	25	52.4	107	248	4000	260	338	417.16	80	256.64	375	415	400	180	58	60
CACV-F 400 30	400	30	58	107	249	4000	250	338	424.61	80	243.94	375	415	400	180	58	60
CACV-F 400 35	400	35	61.3	107	248	3900	237	338	427.78	80	224.87	375	415	400	180	58	65
CACV-F 400 40	400	40	68.6	107	250	3900	230	338	438.66	80	216.66	375	415	400	180	58	65
CACV-F 400 45	400	45	74.3	107	244	3900	225	338	395.15	30	202.12	375	450	400	180	58	70
CACV-F 400 50	400	50	84.8	107	252	3900	215	338	412.72	30	186.69	375	450	400	180	58	70
CACV-F 400 55	400	55	95	107	250	3900	226	338	423.22	30	162.92	375	450	400	180	58	75
CACV-F 400 60	400	60	112.1	107	256	3900	230	338	433.59	30	142.89	375	450	400	180	58	75
CACV-F 400 65	400	65	102.9	107	274	3800	242	400	434.62	0	132.36	375	450	400	180	45	80
CACV-F 400 70	400	70	127.1	107	273	3800	226	400	429.87	0	120.48	375	450	400	180	45	85
CACV-F 400 75	400	75	114.2	107	268	3800	214	400	418.49	0	112.47	375	450	400	180	30	85

