Angular grippers Series CGA

Magnetic

Sizes 10, 16, 20, 25, 32



- » Compact design
- » Flexible mounting
- » Optional mounting adaptors

For an easier installation the gripper can also be equipped with an optional installation adaptor mod. C-CGP (female) or L-CGP (male).

The angular grippers Series CGA, available in 5 different sizes, open and close at angles between -10° and +30°. The proximity switches can be inserted in the U-shaped grooves on the body.

Grippers Series CGA have mounting holes on three sides which provide flexibility in installation.

GENERAL DATA												
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Model	CGA-10; CGA-16; CGA-20; CGA-25; CGA-32											
Bore sizes	Ø 10; Ø 16; Ø 20; Ø 25; Ø 32											
Type of operation	double-acting											
Operating pressure	1.5 ÷ 7 bar											
Operating temperature	0 ÷ 80°C											
Max. operating frequency	180 cycles/min											
Lubrication	lever section - lubrication required on sliding section											
Grip moment - closed M (Ncm)	6xP 8xP 17xP 34xP 61xP P = operating pressure (bar	.)										
Grip moment - open M (Ncm)	6xP 11xP 23xP 43xP 81xP											
Effective gripping force F (N)	= M/L x0,85 L = distance of gripping point (cm)											
Length of la. gripping point L (cm)	0 4,0 6,0 7,0 8,5											
Weight (g)	10 = 40 Ø 16 = 100 Ø 20 = 200 Ø 25 = 330	Ø 32 = 540										
Lever open / closed angles	0°÷ +30°											
Port sizes	5 (CGA-10 M3)											
Magnet	magnet for proximity sensors in piston											
Fluid	filtered air, without lubrication. If lubricated air is used, it is recommended to use oil ISOVG32. Once applied the lubrication should never be interrupted.											

MOVEMENT

CODING EXAMPLE

CGA - 20

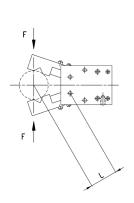
CGA SERIES PNEUMATIC SYMBOL PNZ1 20 SIZES 10 = Ø 10 mm 16 = Ø 16 mm 20 = Ø 20 mm 25 = Ø 25 mm 32 = Ø 32 mm FREE NOT TO STAND TO			
16 = Ø 16 mm 20 = Ø 20 mm 25 = Ø 25 mm	CGA	SERIES	
	20	10 = Ø 10 mm 16 = Ø 16 mm 20 = Ø 20 mm 25 = Ø 25 mm	

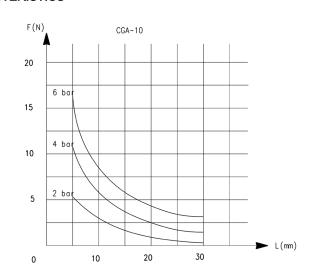
PNEUMATIC SYMBOLS

The pneumatic symbols which have been indicated in the CODING EXAMPLE are shown below.



CLOSING GRIPPING FORCE - CHARACTERISTICS





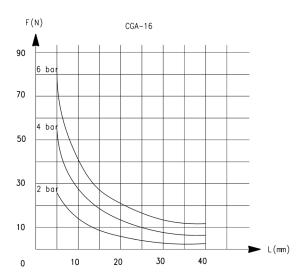
L = Length of gripping point

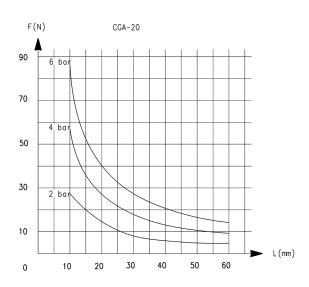
F = Gripping force

L = Length of gripping point

F = Gripping force

CLOSING GRIPPING FORCE - CHARACTERISTICS





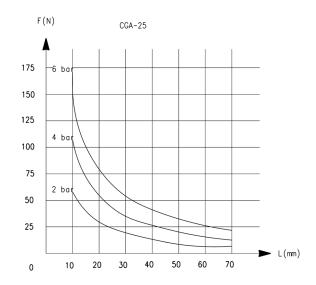
L = Length of gripping point

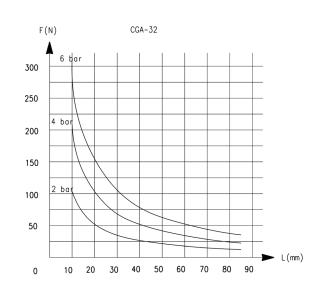
F = Gripping force

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CLOSING GRIPPING FORCE - CHARACTERISTICS





L = Length of gripping point

F = Gripping force

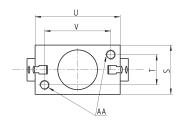
L = Length of gripping point

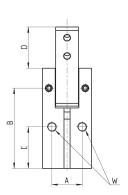
F = Gripping force

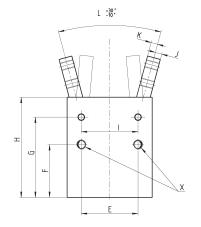
CK CAMOZZI

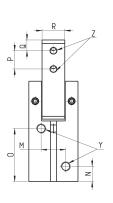
Angular grippers Series CGA











- Y = port connection Z = claw mounting-holes X.W.AA = Mounting holes

DIMENSI	DIMENSIONS																					
Mod.	Α	В	С	D	Е	F	G	Н	- 1	J	K	L	M	Ν	0	Р	Q	R	S	Т	U	V
CGA-10	10	30,5	15,5	15,7	18	20	30,5	36,5	14	2,5	1,5	0°	10	7,5	19	6	3	7	16	10	23	17
CGA-16	14	38	21	17,5	24	25,5	38	45,5	24	3	3	0°	12	7,5	25,5	8	3	9	22	14	34	26
CGA-20	16	42,5	22	22	30	28	42,5	53	30	3,5	3,5	0°	13	8	28	10	4	12	26	16	45	35
CGA-25	20	48,5	24,5	26	36	31,5	48,5	61	36	4,5	4,5	0°	18	9	31	12	5	14	32	20	52	40
CGA-32	26	54	30	30	44	37,5	45	68	42	5	5	0°	24	10	33,5	14	6	18	40	26	60	46

DIMENSIONS													
Mod.	X thread	X depth	Y thread	Y depth	W thread	W depth	Z thread	Z depth	AA thread	AA depth			
CGA-10	M3	7	M3	-	M3	-	M3	-	M3	5			
CGA-16	M4	11	M5	-	M4	-	M3	-	M4	7			
CGA-20	M5	13	M5	-	M5	-	M4	-	M5	8			
CGA-25	M6	15	M5	-	M6	-	M5	-	M6	10			
CGA-32	M6	20	M5	-	M6	-	M6	-	M6	10			