

P5GA - Angular double acting, square jaw carriers

The P5GA is a compact angular gripper with a closed angle of -10° and an open angle of +30°. With double acting mechanism the gripper is suitable for internal or external gripping applications. For flexible installation mounting is available on three sides and the anodised body has recessed sensor grooves.

- Bore sizes Ø12, 16, 20, 25 and 32mm
- Double acting
- Anodised corrosion protection
- Magnetic piston as standard
- Optional sensors



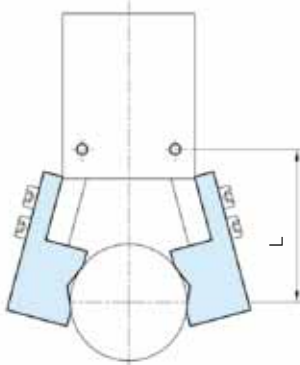
Technical Information

Acting type	Double acting					
Bore (mm)	12	16	20	25	32	
Port size	M3 x 0.5		M5 x 0.8			
Medium	Air					
Operating pressure range	1.5 - 7 bar					
Temperature range	-5 to +60°C (no freezing)					
Max frequency	180 Cycles/min					
Lubrication	Cylinder	Not required				
Lever	Grease					
Max. arm length mm (L)	30	40	60	70	85	
Theoretical holding force kgf-cm						
	Closed side	0.4xP	0.9xP	1.7xP	3.4xP	6.1xP
	Opened side	0.5xP	1.2xP	2.3xP	4.4xP	8.1xP
Clamp / Release angle	-10 to +30°					
Clamping force (F)	$F = M / L \times 0.85$					
Weight (g)	53	103	193	327	525	
L : Arm length (mm), M : Theoretical moment (kgf-cm)						
F : Clamping force (kgf), P : Operating pressure (kgf/cm²)						
For more information see www.parker.com/euro_pneumatic						

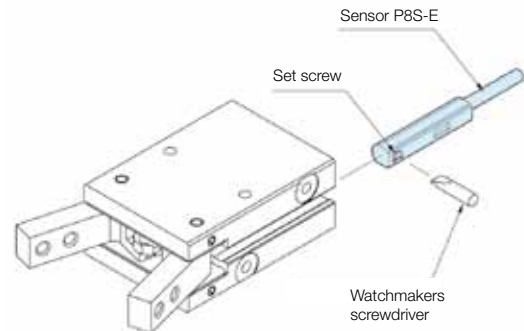
P5GA - Angular Grippers

Bore mm	Order code
12	P5GA-012MSG030B
16	P5GA-016MSG030B
20	P5GA-020MSG030B
25	P5GA-025MSG030B
32	P5GA-032MSG030B

Length of gripping point



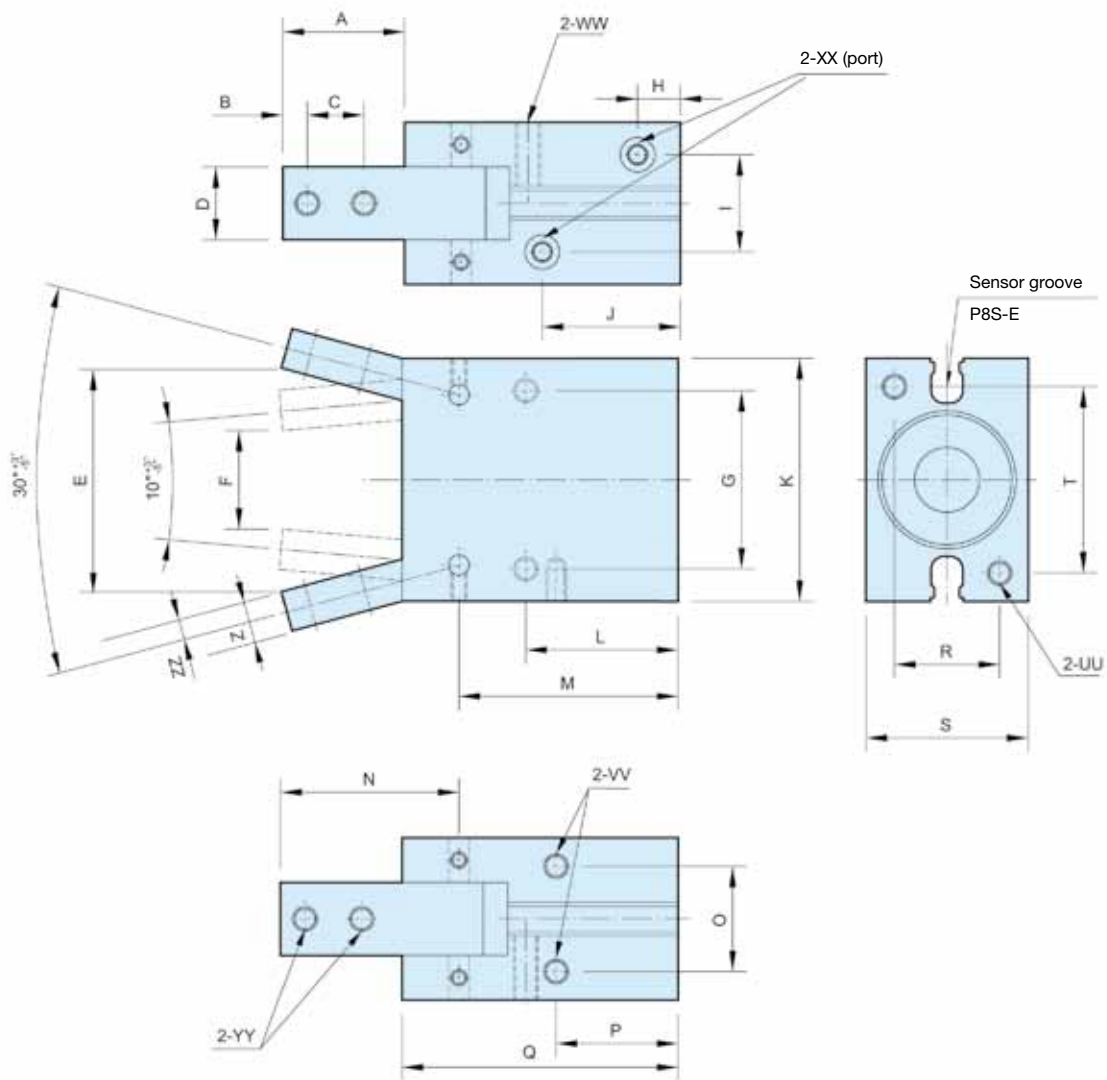
Installation of sensor



Sensors - Series P8S-E

Magnetic Sensor	M8 - Snap in	Flying lead
	0.165 m PUR cable with M8 connector	2 m PUR cable
PNP	P8S-EPSUS	P8S-EPFXS
NPN	P8S-ENSUS	P8S-ENFXS
Reed	P8S-ERSUS	P8S-ERFXS

Dimensions (mm)



Bore mm	A	B	C	D 0/-0.03	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
12	15,4	3	6	7	26,3	9	20	7,5	10,2	23,5	28	20	32,9	21,5	10,2	16	39	10	16	22
16	17,5	3	8	9	31,1	14	24	7,5	12	22	34	22,5	35	25	14	18	42,5	14	22	26
20	22	4	10	12	40,1	18	30	8	13	25	45	25	39,5	32,5	16	19	50	16	26	35
25	26	5	12	14	47,9	21	36	8,5	18	28	52	28,5	45,5	38,5	20	21,5	58	20	32	40
32	30	6	14	18	55,1	24	44	10,5	24	34	60	37,5	54	44	26	30	68	26	40	46

Bore mm	UU	VV	WW	XX	YY	Z	ZZ
12	M3 x 5 depth	M3 x 5 depth	M3 x 5 depth	M3 x 5 depth	M3	5	2,5
16	M4 x 7 depth	M4 x 7 depth	M4 x 7 depth	M5 x 5 depth	M3	6	3
20	M5 x 8 depth	M5 x 8 depth	M5 x 8 depth	M5 x 5 depth	M4	7	3,5
25	M6 x 10 depth	M6 x 10 depth	M6 x 10 depth	M5 x 5 depth	M5	9	4
32	M6 x 10 depth	M6 x 10 depth	M6 x 10 depth	M5 x 5 depth	M6	10	5