

P5GB - Parallel double acting, square jaw carriers

Available with a comprehensive range of bore sizes Ø12 - 32 mm the P5GB double acting parallel gripper is an accurate workpiece holding device. The anodised aluminium body has flexible installation mountings on three sides and recessed sensor grooves.

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



Technical Information

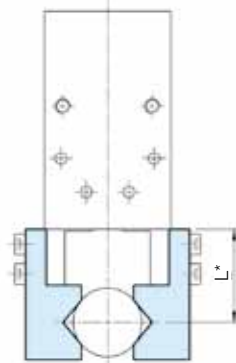
Acting type	Double acting					
Bore (mm)	12	16	20	25	32	
Port size	M3x0.5		M5 x 0.8			
Medium	Air					
Operating pressure range	1.5 - 7 bar					
Temperature range	-5 to +60°C (no freezing)					
Max frequency	180 Cycles/min					
Lubrication	Cylinder Grease					
Lever	Not required					
Max. arm length mm (L)	30	40	60	70	85	
Theoretical holding force kgf-cm						
	Closed side	0.8	2.4	4.7	7.5	10
	Opened side	0.5	1.8	3.5	6.0	8.5
Lever open / closed stroke	6	8	12	14	16	
Weight (g)	66	144	255	419	719	

P5GB - Parallel Grippers

Bore mm	Order code
12	P5GB-012MSG006B
16	P5GB-016MSG008B
20	P5GB-020MSG012B
25	P5GB-025MSG014B
32	P5GB-032MSG016B

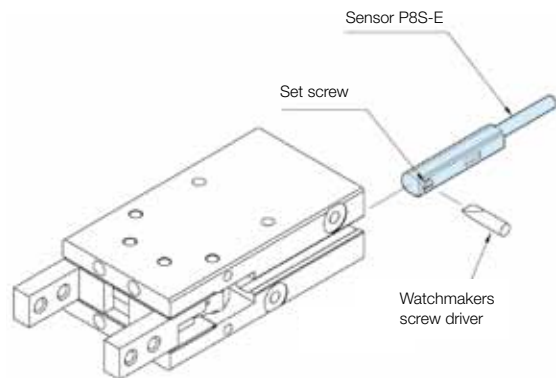
For more information see www.parker.com/euro_pneumatic

Length of gripping point



* L = gripping joint length 30mm, pressure 5kgf/cm²

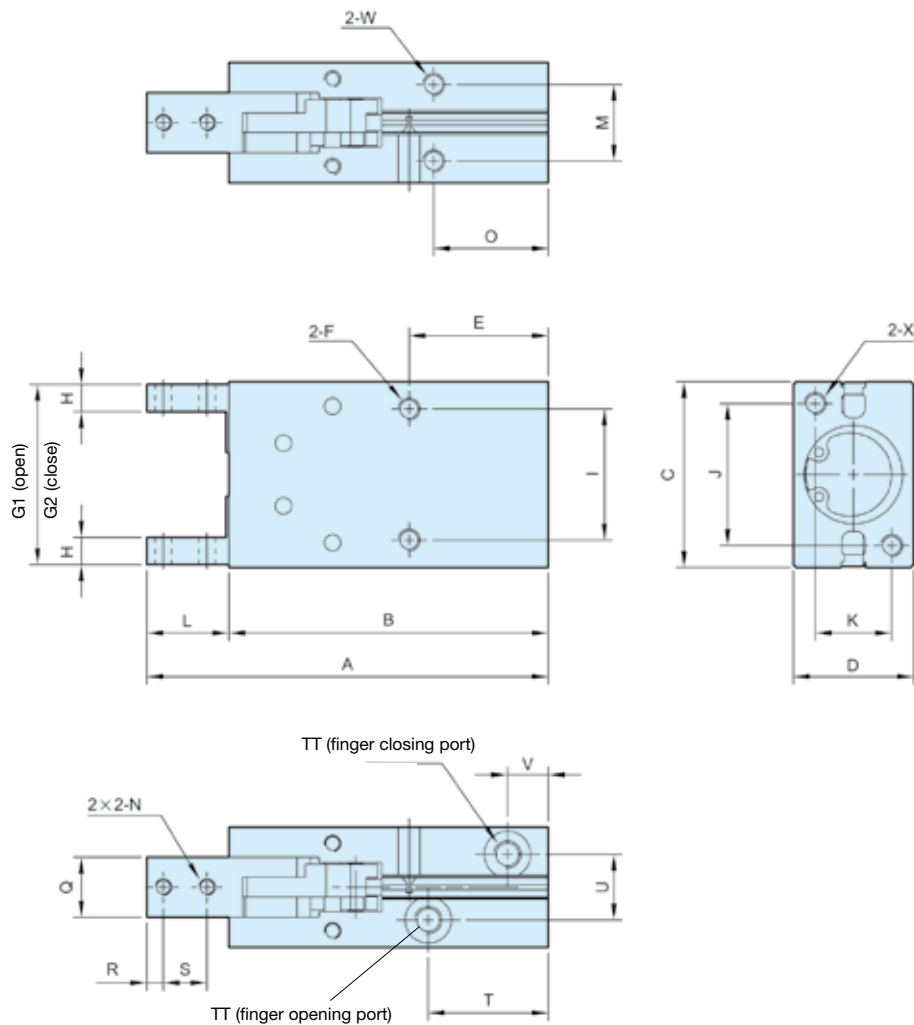
Installation of sensor



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	E	F	G1	G2	H	I	J	K	L	M	N	O	Q 0/-0.03	R
12	63,5	50,5	28	16	20	M3 x 0.5 x 5 depth	27	21	4	18	17	10	13	10	M3 x 0.5	16	7	3
16	73,5	58,5	34	22	25,5	M4 x 0.7 x 11 depth	33	25	5	24	26	14	15	14	M3 x 0.5	21	11	3
20	88,5	69,5	45	26	25	M5 x 0.8 x 8 depth	44	32	6	30	35	16	19	16	M4 x 0.7	19	12	4
25	102,5	78,5	52	32	28	M6 x 1.0 x 10 depth	51	37	8	36	40	20	24	20	M5 x 0.8	22	14	5
32	120,5	90,5	60	40	34	M6 x 1.0 x 10 depth	59	43	10	44	46	24	30	26	M6 x 1.0	26	20	7

Bore mm	S	T	TT	U	V	W	X
12	6	23	M5 x 0,8 x 5 depth	10,2	7,5	M3 x 0.5 x 5 depth	M3 x 0.5 x 5 depth
16	8	22	M5 x 0,8 x 5 depth	12	7,5	M4 x 0.7 x 7 depth	M4 x 0.7 x 7 depth
20	10	26	M5 x 0,8 x 5 depth	13	8	M5 x 0.8 x 8 depth	M5 x 0.8 x 8 depth
25	12	29	M5 x 0,8 x 5 depth	18	8,5	M6 x 1.0 x 10 depth	M6 x 1.0 x 10 depth
32	15	35	M5 x 0,8 x 5 depth	24	10,5	M6 x 1.0 x 10 depth	M6 x 1.0 x 10 depth