

## P5GL - 180° Angular double acting, cam style, square jaw carriers

The P5GL is a 180° angular gripper of compact size and lightweight construction. With double acting movement high gripping forces are achieved via internal cams. The anodised body has mounting points on four sides and sensors can be fitted in any of the four integral grooves.



- Bore sizes Ø10, 16, 20 and 25mm
- Double acting
- Anodised corrosion protection
- Magnetic piston as standard
- Optional sensors

### P5GL - 180° Angular Grippers - Cam Style




Bore mm	Order code
10	<b>P5GL-010MSG180B</b>
16	<b>P5GL-016MSG180B</b>
20	<b>P5GL-020MSG180B</b>
25	<b>P5GL-025MSG180B</b>

#### Technical Information

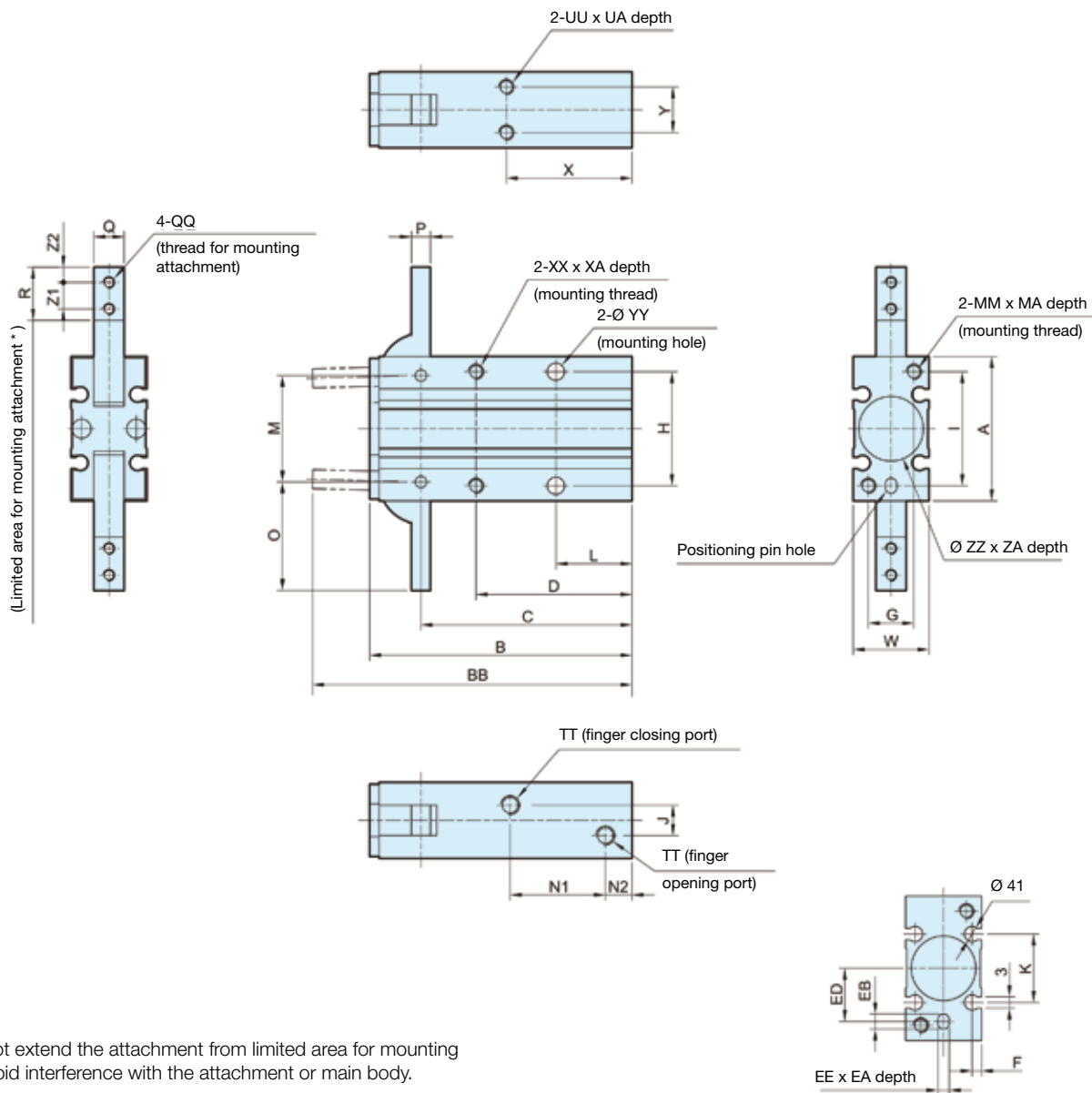
Acting type	Double acting			
Bore (mm)	10	16	20	25
Medium	Air			
Operating pressure range	1 to 6 bar			
Temperature range	-10 to +60°C (no freezing)			
Repeatability	± 0.2 mm			
Max operating frequency	60 Cycles/min			
Lubrication	Not required			
Effective force (Nm) at (5kgf/cm <sup>2</sup> )	0.16	0.54	1.10	2.28
Operating angle (both sides)	Opened side	180° - 182°		
	Closed side	-3°		
Weight (g)	80	150	320	600

For more information see [www.parker.com/euro\\_pneumatic](http://www.parker.com/euro_pneumatic)

### Sensors - Series P8S-H

Magnetic Sensor	M8 - Snap in	Flying lead
		
Reed NO	0.165 m PUR cable with M8 connector <b>P8S-HRSUS</b>	1 m PUR cable <b>P8S-HRFCS</b>

Dimensions (mm)



\* Do not extend the attachment from limited area for mounting to avoid interference with the attachment or main body.

Bore mm	A	B	BB	C	D	EE	EA	EB	ED	F	G	H	I	J	K	L	M	MA	MM	N1	N2	O	P	Q
12	30	58	71	47,5	35	3H9 <sup>+0.025</sup> <sub>0</sub>	3	4	9	2	9	24	24	3	13	18	22	6	M3 x 0.5	23	7	23,5	4	6 <sup>+0.005</sup> <sub>-0.025</sub>
16	38	69	84	55,5	41	3H9 <sup>+0.025</sup> <sub>0</sub>	3	4	15	2,5	12	30	30	8	18	20	28	8	M4 x 0.7	25	7	28,5	5	8 <sup>+0.005</sup> <sub>-0.025</sub>
20	48	86	106	69	50	4H9 <sup>+0.030</sup> <sub>0</sub>	4	5	19	3	16	36	38	12	20	25	36	10	M5 x 0.8	32	8	37	8	10 <sup>+0.005</sup> <sub>-0.025</sub>
25	58	107	131	86	60	4H9 <sup>+0.030</sup> <sub>0</sub>	4	5	23	3	18	42	46	14	24	30	45	12	M6 x 1	42	8	45	10	12 <sup>+0.005</sup> <sub>-0.025</sub>

Bore mm	QH	QQ	R	TT	UA	UU	W	X	XA	XX	Y	YY	ZA	ZZ	Z1	Z2
12	3,4	M3 x 0.5	12	M5 x 0.8 x 5 depth	4	M3 x 0.5	15	30	6	M3 x 0.5	9	3,4	1,5	11H9 <sup>+0.043</sup> <sub>0</sub>	6	3
16	3,4	M3 x 0.5	14	M5 x 0.8 x 5 depth	5	M4 x 0.7	20	33	8	M4 x 0.7	12	4,5	1,5	17H9 <sup>+0.043</sup> <sub>0</sub>	7	4
20	4,5	M4 x 0.7	18	M5 x 0.8 x 5 depth	8	M5 x 0.8	26	42	10	M5 x 0.8	14	5,5	1,5	21H9 <sup>+0.052</sup> <sub>0</sub>	9	5
25	5,5	M5 x 0.8	22,5	M5 x 0.8 x 5 depth	10	M6 x 1	30	50	12	M6 x 1	16	6,6	1,5	26H9 <sup>+0.052</sup> <sub>0</sub>	12	6