PNEUMATIC THREE JAWS PARALLEL GRIPPERS SERIES MCHG2

Pneumatic grippers are used for accurate object handling in automated operation. Three jaws grippers are used for handling with rotary objects. Wide size range warrants use for small as well as for heavy objects. Grippers are delivered with magnet as option.

For more information, please visit our web page on www.sappv.cz/r/w11e

Working pressure	0,5 MPa
Min. pressure	0,2 MPa pro ∅16 and 25 0,1 MPa for ∅32 and more
Max. pressure	0,6 MPa
Temp. range	-10°C to +60°C
Working medium	modified compressed air

Piston diameter [mm]	16	20	25	32	40	50	63	80	100	125
Clamping force at 0.5 MPa [N] closed / opened*	14 / 16	25 / 28	42 / 47	74 / 82	118 / 130	187 / 204	335 / 359	500 / 525	750 / 780	1270 / 1320
Arm stroke [mm]	4	4	6	8	8	12	16	20	24	32
Connection	M3	M5	M5	M5	M5	M5	M5	G1/8“	G1/4“	G3/8“
Max. frequency of clamping [no. of cycles per min.]	120			60				30		
Repeatability [mm]	± 0.01									

*) For arm length L=20 mm for ∅16 to 25, 30 mm for ∅32 to 63, 50 mm for ∅80 to 125

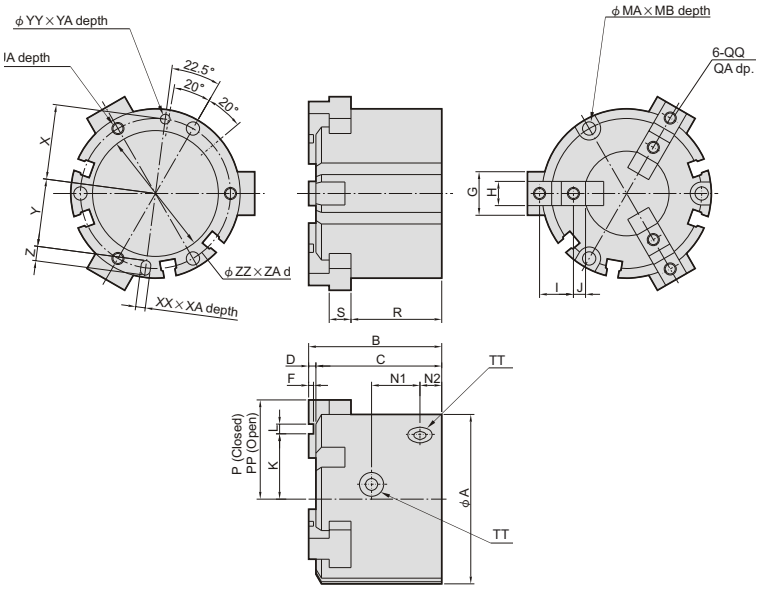
Order codes

P MCHG2 16 M

Gripper type	
MCHG2	three jaws parallel

Piston diameter	
16	16 mm
20	20 mm
25	25 mm
32	32 mm
40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm
125	125 mm

Magnet	
M	with magnet



Dimensions

∅	A	B	C	D	F	G	H h9	I	J	K	L H9	MA	MB	MM	MR	N1	N2	P	PP	QA	QQ	R	S	TT	UA	UU	X	XA	XX H9	Y	YY H9	Z	ZA	ZZ H9
16	30	35	32	3	2	8	5	6	2	11	2	6.5	8	3.4	25	11	7	15	17	5	M3	25	4	M3	4.5	M3	12.5	2	2	11	2	3	1.5	17
20	36	38	35	3	2	10	6	7	2.5	13	2	6.5	9.5	3.4	29	13	7	18	20	6	M3	27	5	M5	6	M3	14.5	2	2	13	2	3	1.5	21
25	42	40	37	3	2	12	6	8	3	16	2	8	10	4.5	34	15	7	21	24	6	M3	28	5	M5	6	M4	17	3	2	14.5	3	5	1.5	26
32	52	44	41	3	2	14	8	11	4.5	21	2	8	9	4.5	44	16	8	28	32	8	M4	30.5	6	M5	6	M4	22	3	3	19.5	3	5	2	34
40	62	47	44	3	2	16	8	12	4.5	23	3	9.5	9	5.5	53	17	9	31	35	8	M4	32	7	M5	7.5	M5	26.5	4	4	23.5	4	6	2	42
50	70	55	52	3	2	18	10	14	5	27	4	9.5	12	5.5	62	20	9	35	41	10	M5	37.5	9	M5	10	M5	31	4	4	28	4	6	2	52
63	86	66	62	4	3	24	12	17	5.5	34	6	11	14	6.6	76	22	12	43	51	10	M5	44	11	M5	9	M6	38	5	5	34.5	5	7	2.5	65
80	106	82	77	5	4	28	14	20	6	44	8	11	19	6.6	95	27	13.5	53.5	63.5	12	M6	56	12	G1/8“	12	M6	47.5	6	6	43.5	6	8	3	82
100	134	96	90	6	4	34	18	23	7.5	42.5	8	14	21	9	118	30.6	18	66	78	16	M8	63	15	G1/4“	16	M8	59	6	8	54	8	10	4	102
125	166	122	114	8	6	40	22	31	10.5	50	10	17.5	34	11	148	38	23.5	82	98	20	M10	84	18	G3/8“	20	M10	74	8	10	68	10	12	6	130