Pneumatic grippers are used for accurate object handling in automated operation. There are angular and parallel grippers available, which allows to gripe objects with various shapes. Wide size range warrants use for small as well as for heavy objects. Grippers are delivered with magnet as standard.

For more information, please visit our web page on www.sappv.cz/r/w09e or www.sappv.cz/r/w10e

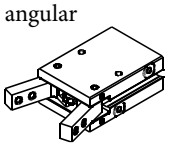
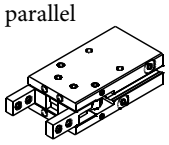
Working pressure	0,5 MPa
Min. pressure	0,15 MPa
Max. pressure	0,7 MPa
Temp. range	-5°C to +60°C
Working medium	modified compressed air

Piston diameter [mm]	**12**	**16**	**20**	**25**	**32**
Clamping force at 0.5 MPa [N] for series MCHA closed / opened*	5.5 / 7	12.5 / 17	24 / 32.5	48 / 62	86 / 114.5
Clamp / release angle for series MCHA [°]	-10 to +30				
Clamping force at 0.5 MPa [N] for series MCHB closed / opened*	8 / 5	24 / 18	47 / 35	75 / 60	100 / 85
Arm stroke for series MCHB [mm]	6	8	12	14	16
Connection	M3	M5	M5	M5	M5
Max. frequency of clamping [number of cycles per minute]	180				
Max. arm length [mm]	30	40	60	70	85

*) For arm length L= 30 mm

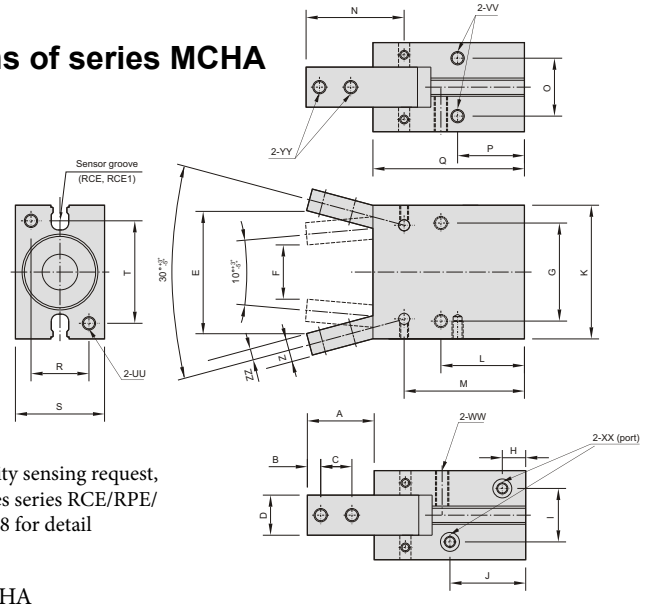
Order codes

P MCHA 20

Gripper type	
MCHA	angular 
MCHB	parallel 

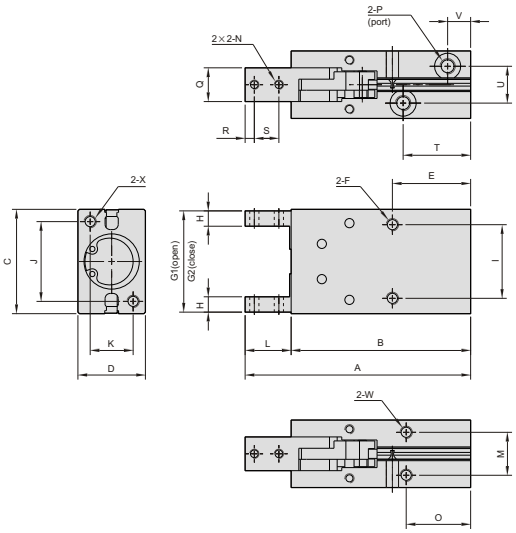
Piston diameter	
12	12 mm
16	16 mm
20	20 mm
25	25 mm
32	32 mm

Dimensions of series MCHA



In case of proximity sensing request, please use switches series RCE/RPE/RNE - see page 3-8 for detail

Dimensions of series MCHB



Dimensions of series MCHA

∅	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	UU	VV	WW	XX	YY	Z	ZZ
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	M3	M3	M3	M3	M3	5	2.5
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	M4	M4	M4	M5	M3	6	3
20	22	4	10	12	40.1	18	30	8	13	25	45	25	39.5	32.5	16	19	50	16	26	35	M5	M5	M5	M5	M4	7	3.5
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	M6	M6	M6	M5	M5	9	4
32	30	6	14	18	55.1	24	44	10.5	24	34	60	37.5	54	44	26	30	68	26	40	46	M6	M6	M6	M5	M6	10	5

Dimensions of series MCHB

∅	A	B	C	D	E	F	G1	G2	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
12	63.5	50.5	28	16	20	M3 hl.5	27	21	4	18	17	10	13	10	M3	16	M3	7	3	6	23	10.2	7.5	M3 hl.5	M3 hl.5
16	73.5	58.5	34	22	25.5	M4 hl.11	33	25	5	24	26	14	15	14	M3	21	M5	11	3	8	22	12	7.5	M4 hl.7	M4 hl.7
20	88.5	69.5	45	26	25	M5 hl.8	44	32	6	30	35	16	19	16	M4	19	M5	12	4	10	26	13	8	M5 hl.8	M5 hl.8
25	102.5	78.5	52	32	28	M6 hl.10	51	37	8	36	40	20	24	20	M5	22	M5	14	5	12	29	18	8.5	M6 hl.10	M6 hl.10
32	120.5	90.5	60	40	34	M6 hl.10	59	43	10	44	46	24	30	26	M6	26	M5	20	7	15	35	24	10.5	M6 hl.10	M6 hl.10