

MCHG2L series

LOWER HEIGHT of THREE JAW GRIPPERS

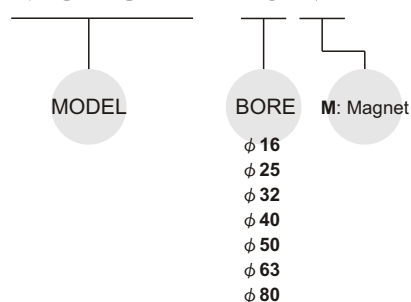


Features:

- Bore sizes ϕ 16, 25, 32, 40, 50, 63, 80 mm.
- Opening / closing stroke move than twice the standard (MCHG2).
- Interchangeable with MCHG2 in mounting.

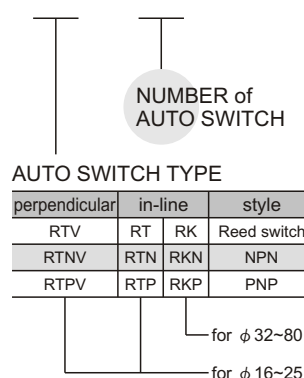
Order example:

MCHG2L-16 M



Auto switch type:

RT × 1



Specification:

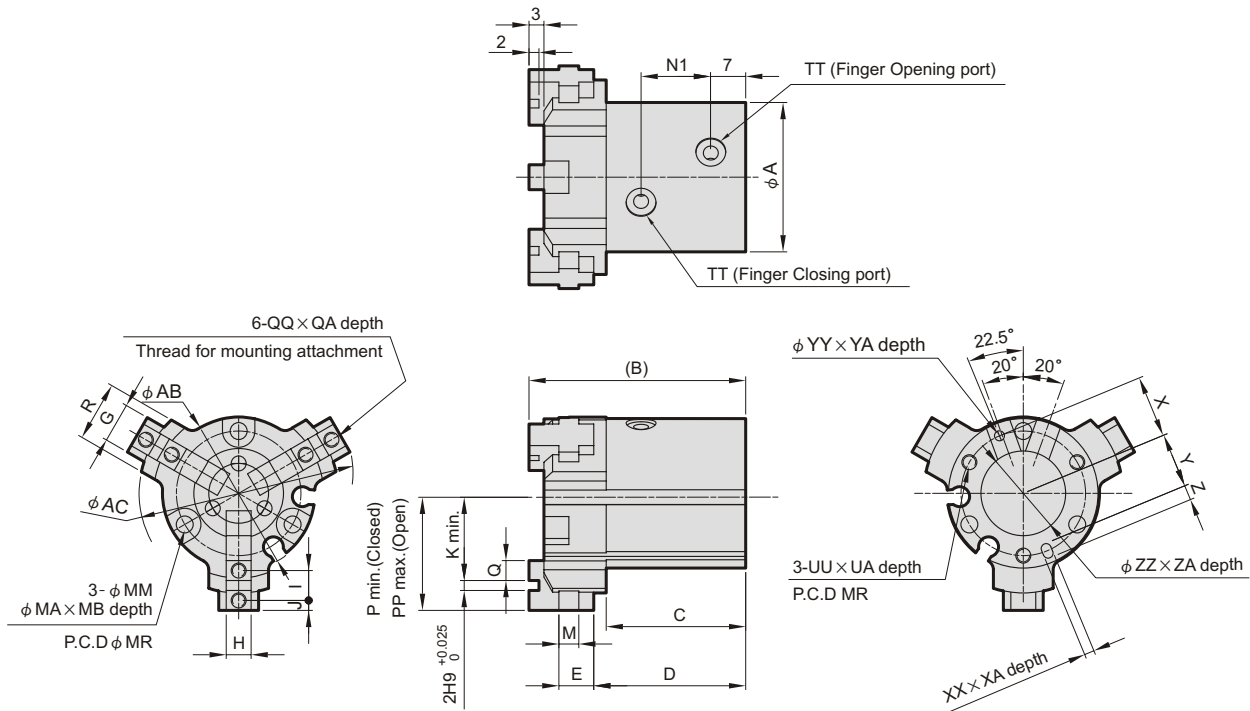
Model		MCHG2L-16	MCHG2L-25	MCHG2L-32	MCHG2L-40	MCHG2L-50	MCHG2L-63	MCHG2L-80
Acting type		Double acting						
Tube I.D. (mm)		16	25	32	40	50	63	80
Stroke (mm)		10	12	16	20	28	32	40
Medium		Air						
Operating pressure (kgf/cm ²)		2~6		1~6				
Ambient temperature		－10～＋60℃ (No freezing)						
Repeatability		±0.01 mm						
Max.operating frequency(c.p.m)		120		60				30
Lubrication		Not required						
※Effective gripping force N(lbf) at (5kgf/cm ²)	External	14(3.1)	42(9.4)	74(16.6)	118(26.5)	187(42)	335(75)	500(112)
	Internal	16(3.6)	47(10.6)	82(18.4)	130(29)	204(46)	359(81)	525(118)
Weight (g)		100	190	373	600	930	1850	2880

※ Values for 16 to 25 are with gripping point L=20mm, for 32 to 63 with gripping point L=30mm, and for 80 gripping point L=50mm, Refer to the "Effective Holding force" data on pages through for the gripping force at each gripping position.

- Open and closed diameter values apply for external gripping of work pieces.

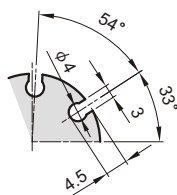
MCHG2L Dimensions $\phi 16$, $\phi 25$

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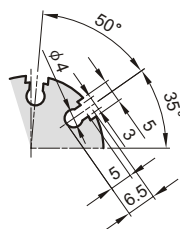


Auto switch mounting groove position (2 places)

$\phi 16$

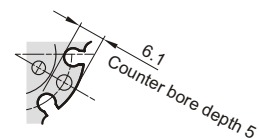


$\phi 25$



Mounting hole counter bore dimensions

$\phi 16$



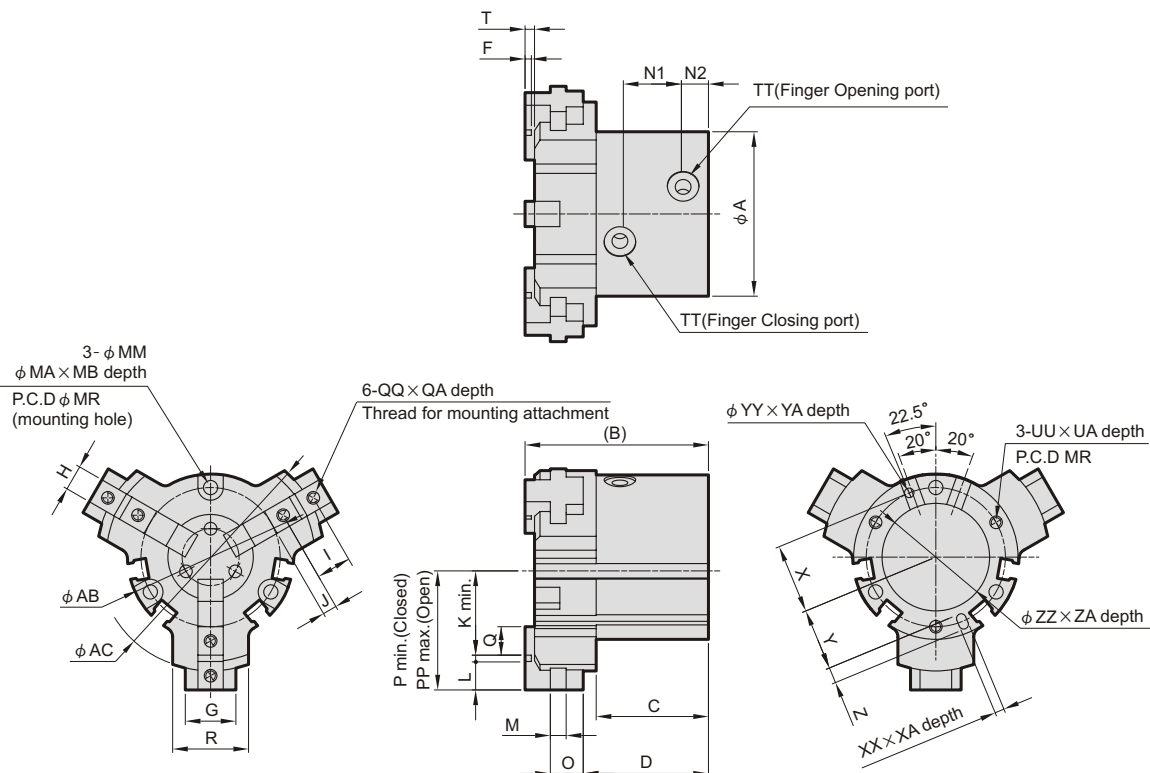
Note) The counter bore configuration differs only for the mounting hole section between the auto switch mounting grooves. ($\phi 16$ only)

Code Tube I.D.	A	AB	AC	B	C	D	E	G	H	I	J	K	M	MA	MB	MM	MR	N1	P	PP	Q	QA	QQ
16	30	30.6	40	43.5	28	30.5	7	8	5h9 ^{+0.030} ₀	6	2	12.5	4	6.5	5	3.4	25	14	18.5	23.5	4	5	M3×0.5
25	42	42.6	52	49	31.5	34.2	7.8	13	6h9 ^{+0.030} ₀	8	3	16	4.5	8	8	4.5	34	16.5	24	30	6	6	M3×0.5

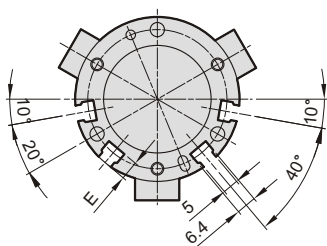
Code Tube I.D.	R	TT	UA	UU	X	XA	XX	Y	YA	YY	Z	ZA	ZZ
16	12	M3×0.5	1.5	M3×0.5	12.5	2	2H9 ^{+0.025} ₀	11	2	2H9 ^{+0.025} ₀	3	1.5	17H9 ^{+0.043} ₀
25	19	M5×0.8	1.5	M4×0.7	17	3	3H9 ^{+0.025} ₀	14.5	3	3H9 ^{+0.025} ₀	5	1.5	26H9 ^{+0.052} ₀

MCHG2L Dimensions $\phi 32 \sim \phi 80$

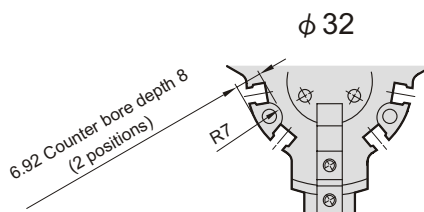
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Auto switch mounting groove position (2 places)



Mounting hole counter bore dimensions



Note) The counter bore configuration differs only for the mounting hole section between the auto switch mounting grooves. ($\phi 32$ only)

Code Tube I.D.	A	AB	AC	B	C	D	E	F	G	H	I	J	K	L	M	MA	MB	MM	MR	N1	N2	O	P	PP	Q
32	52	52.6	72	58	35.5	39.6	6	2	16	8h9 ⁺⁰ _{-0.036}	11	4.5	23	2H9 ^{+0.025} ₋₀	5	8	8	4.5	44	20	8	10.4	34	42	9
40	62	62.6	82	64	38.5	42.5	8	2	18	8h9 ⁺⁰ _{-0.036}	12	4.5	25.5	3H9 ^{+0.025} ₋₀	7	9.5	9.5	5.5	53	22	9	13.5	37.5	47.5	9
50	70	70.6	104	77.5	46.5	51.3	7	2	20	10h9 ⁺⁰ _{-0.036}	14	5	32	4H9 ^{+0.030} ₋₀	8	9.5	9.5	5.5	62	29	9	17.7	46	60	10
63	86	86.6	120	89	51	58.5	7.5	3	26	12h9 ⁺⁰ _{-0.043}	17	5.5	37	6H9 ^{+0.030} ₋₀	10	11	17	6.6	76	30.5	12	19.5	54	70	11
80	106	106.6	140	116	70	78.5	9	4	30	14h9 ⁺⁰ _{-0.043}	20	6	40.5	8H9 ^{+0.036} ₋₀	11	11	23	6.6	95	37.5	14	23.5	60.5	80.5	12

Code Tube I.D.	QA	QQ	R	T	TT	UA	UU	X	XA	XX	Y	YA	YY	Z	ZA	ZZ
32	8	M4×0.7	24	3	M5×0.8	6	M4×0.7	22	3	3H9 ^{+0.025} ₋₀	19.5	3	3H9 ^{+0.025} ₋₀	5	2	34H9 ^{+0.062} ₋₀
40	8	M4×0.7	30	3	M5×0.8	10	M5×0.8	26.5	4	4H9 ^{+0.030} ₋₀	23.5	4	4H9 ^{+0.030} ₋₀	6	2	42H9 ^{+0.062} ₋₀
50	10	M5×0.8	32	3	M5×0.8	10	M5×0.8	31	4	4H9 ^{+0.030} ₋₀	28	4	4H9 ^{+0.030} ₋₀	6	2	52H9 ^{+0.074} ₋₀
63	10	M5×0.8	40	4	M5×0.8	12	M6×1	38	5	5H9 ^{+0.030} ₋₀	34.5	5	5H9 ^{+0.030} ₋₀	7	2.5	65H9 ^{+0.074} ₋₀
80	12	M6×1	50	5	Rc1/8	12	M6×1	47.5	6	6H9 ^{+0.030} ₋₀	43.5	6	6H9 ^{+0.030} ₋₀	8	3	82H9 ^{+0.087} ₋₀