



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.
- Magnetic as standard.

Order example

MCHG2L-16 M

MODEL

BORE

M: Magnet

ϕ 16
 ϕ 25
 ϕ 32
 ϕ 40
 ϕ 50
 ϕ 63
 ϕ 80

Auto switch type

RT × 1

NUMBER of
AUTO SWITCH

AUTO SWITCH TYPE

perpendicular	in-line		style
RTV	RT	RK	Reed switch
RTNV	RTN	RKN	NPN
RTPV	RTP	RKP	PNP

for ϕ 32~80

for ϕ 16~25

※ RT specification, please refer to page V-18.

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 (MPa)		0.2~0.6		0.1~0.6				
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 (0.5 MPa)	External	1.4(0.31)	4.2(0.94)	7.4(1.66)	11.8(2.65)	18.7(4.2)	33.5(7.5)	50(11.2)
	Internal	16(0.36)	4.7(1.06)	8.2(1.84)	13(2.9)	20.4(4.6)	35.9(8.1)	52.5(11.8)
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.

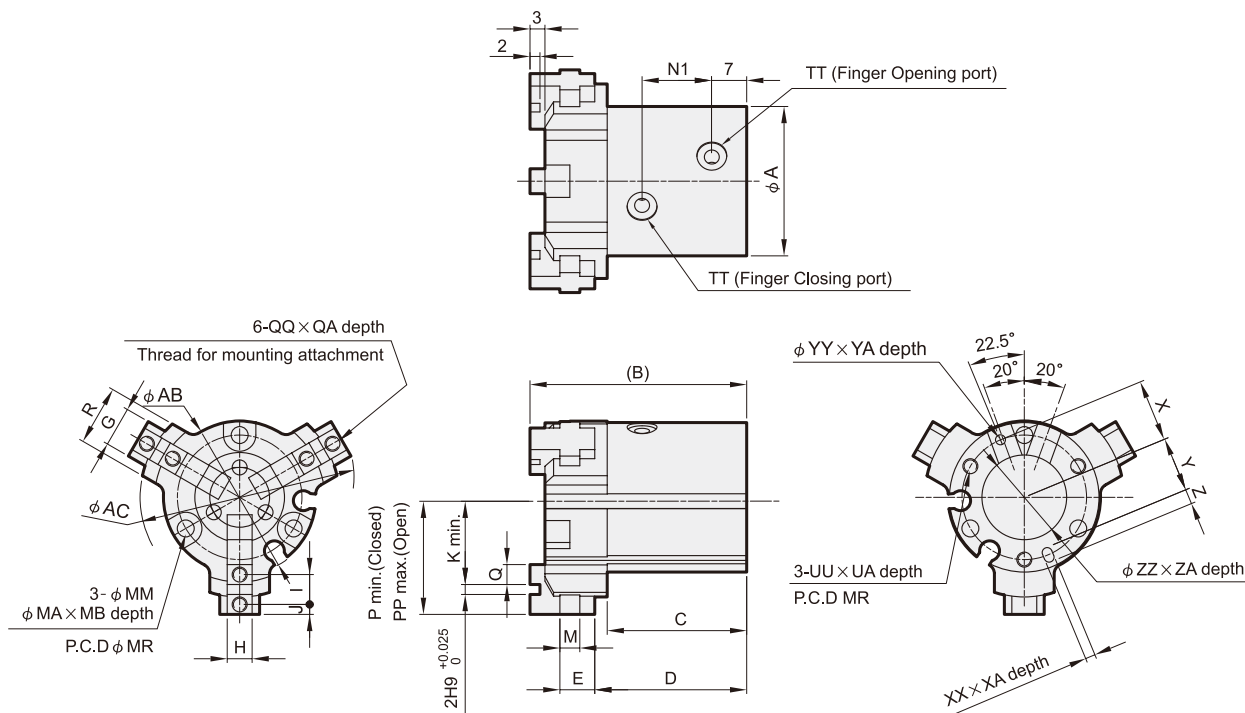
MCHG2L Dimensions $\phi 16$, $\phi 25$

LOWER HEIGHT of THREE JAW GRIPPERS



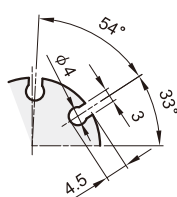
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GRIPPERS

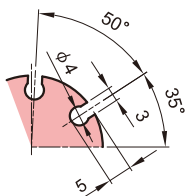


Auto switch mounting groove position (2 places)

$\phi 16$

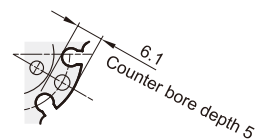


$\phi 25$



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 ^{+0.025} _{-0.030}	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 ^{+0.025} _{-0.030}	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



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