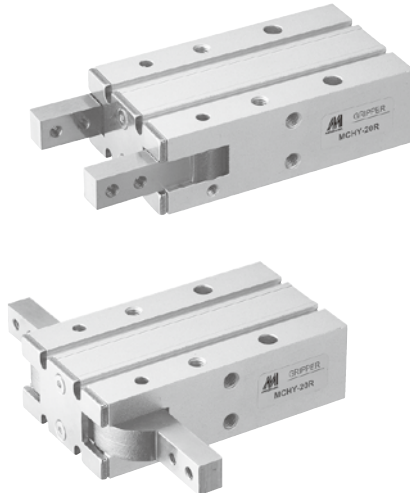




Features

- Compact design and lightweight construction.
- High gripping forces achieved via internal cams.
- Reference points on gripping fingers are standard.
- Sensors can be mounted in any one of four positions.
- Dust seals protect all internal parts from ingress of dirt.

Specification

Model	MCHY			
Acting Type	Double acting			
Tube I.D. (mm)	10	16	20	25
Medium	Air			
Operating pressure range	0.2~0.6 MPa			
Ambient temperature	-10~+60°C (No freezing)			
Repeatability	±0.2 mm			
Max. operating frequency (c.p.m)	60			
Lubrication (*1)	Not required			
Effective force (Nm) at (0.5 MPa)	0.16	0.54	1.1	2.28
Operating angle (both sides)	Opened side	180°~182°		
	Closed side	-3°		
Sensor switch (*2)	RT: Reed switch, RTN: NPN, RTP: PNP			
Weight (g)	80	150	320	600

*1. Maintenance: Re-Lubrication after appr. 1.5 million cycles recommended.

*2. RT specification, please refer to page 5-14.

Order example

MCHY — 16 D 1

MODEL

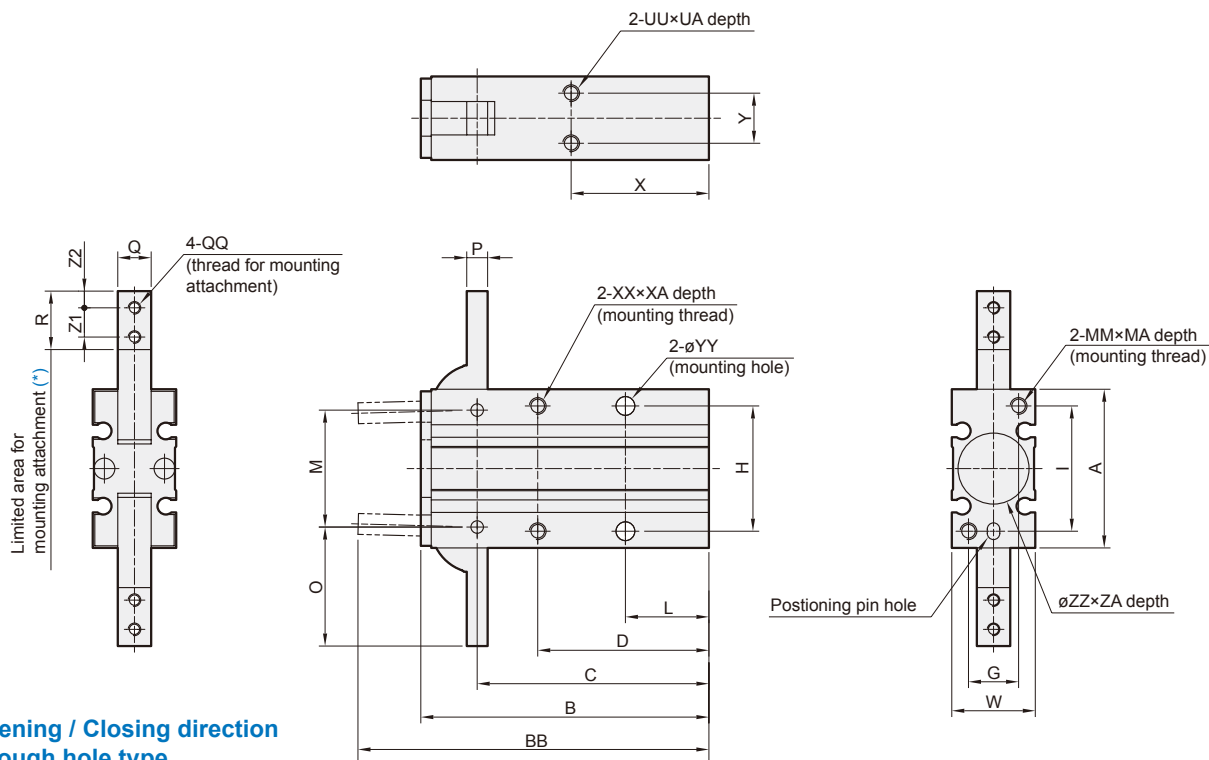
TUBE I.D.

D: Double acting

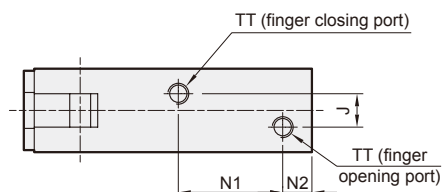
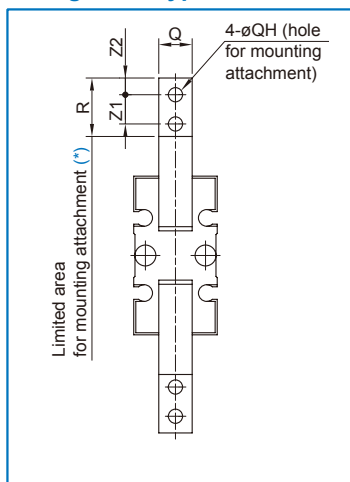
FINGER OPTION

10
16
20
25

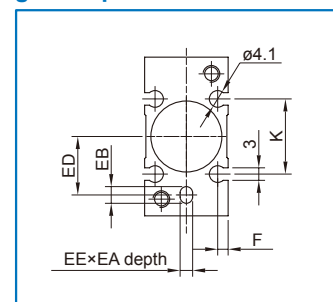
—	Standard tap mounting
1	Opening / closing direction through hole.



Opening / Closing direction
through hole type



Auto switch mounting
groove position



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

Code Tube I.D.	A	B	BB	C	D	EE	EA	EB	ED	F	G	H	I	J	K	L	M	MA	MM	N1	N2	O	P	Q	QH	QQ
10	30	58	71	47.5	35	3H9 ^{+0.025} ₋₀	3	4	9	2	9	24	24	3	13	18	22	6	M3×0.5	23	7	23.5	4	6 ^{-0.005} _{-0.025}	3.4	M3×0.5
16	38	69	84	55.5	41	3H9 ^{+0.025} ₋₀	3	4	15	2.5	12	30	30	8	18	20	28	8	M4×0.7	25	7	28.5	5	8 ^{-0.005} _{-0.025}	3.4	M3×0.5
20	48	86	106	69	50	4H9 ^{+0.030} ₋₀	4	5	19	3	16	36	38	12	20	25	36	10	M5×0.8	32	8	37	8	10 ^{-0.005} _{-0.025}	4.5	M4×0.7
25	58	107	131	86	60	4H9 ^{+0.030} ₋₀	4	5	23	3	18	42	46	14	24	30	45	12	M6×1	42	8	45	10	12 ^{-0.005} _{-0.025}	5.5	M5×0.8

Code Tube I.D.	R	TT	UA	UU	W	X	XA	XX	Y	YY	ZA	ZZ	Z1	Z2
10	12	M5×0.8	4	M3×0.5	15	30	6	M3×0.5	9	3.4	1.5	11H9 ^{+0.043} ₋₀	6	3
16	14	M5×0.8	5	M4×0.7	20	33	8	M4×0.7	12	4.5	1.5	17H9 ^{+0.043} ₋₀	7	4
20	18	M5×0.8	8	M5×0.8	26	42	10	M5×0.8	14	5.5	1.5	21H9 ^{+0.052} ₋₀	9	5
25	22.5	M5×0.8	10	M6×1	30	50	12	M6×1	16	6.6	1.5	26H9 ^{+0.052} ₋₀	12	6