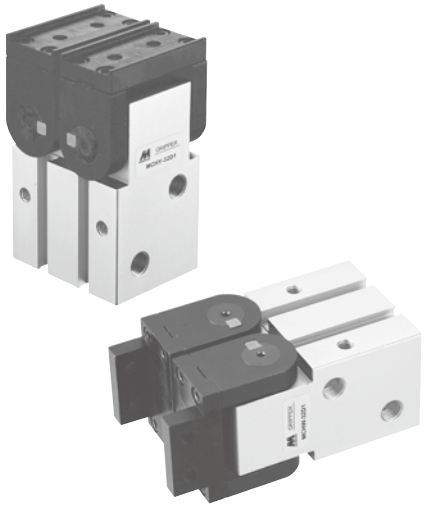
MCHW series

180° ANGULAR **GRIPPER** - RACK & PINION STYLE



Features

- Extremely compact design saves operating space.
- Synchronisation of gripping fingers.
- Dust seals protect all internal parts from ingress of dirt.
- Proximity and reed switches can be used with this unit.

Specification

Model		MCHW				
Acting Type		Double acting				
Tube I.D. (mm)		20	25	32	40	50
Medium		Air				
Operating pressure range		0.2~0.7 MPa				
Ambient temperature		-10~+60°C (No freezing)				
Repeatability		±0.2 mm				
Max. operating frequency (c.p.m)		60		30		
Lubrication (*1)		Not required				
Effective force (Nm) at (0.5 MPa)		0.3	0.73	1.61	3.7	8.27
Operating angle (both sides)	Opened side	180°				
	Closed side	-5°	-6°	-5°	-5°	-4°
Sensor switch (*2)		**RK**: Reed switch, **RKN**: NPN, **RKP**: PNP				
Weight (kg)		0.30	0.53	1	2.2	5.15

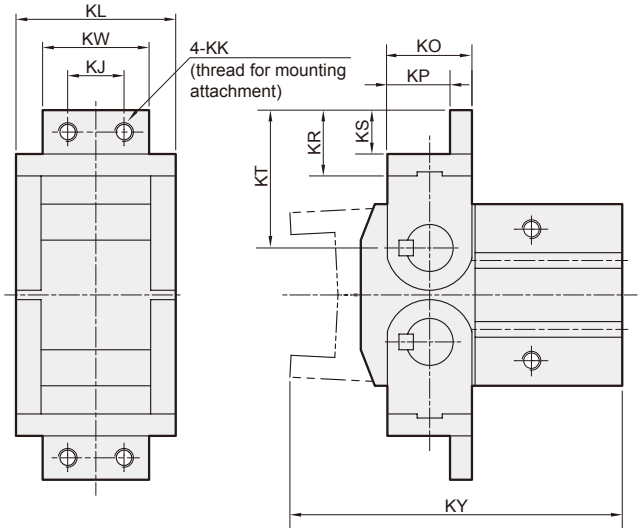
*1. Maintenance: Re-Lubrication after appr. 1.5 million cycles recommended.
*2. RK specification, please refer to page 5-13.

Order example

MCHW — 25 D 1

- MODEL: MCHW
- TUBE I.D.: **20**, **25**, **32**, **40**, **50**
- **D**: Double acting
- FINGER OPTION:
  - – : Flat finger (standard)
  - **1**: Right angle finger tap mounting.

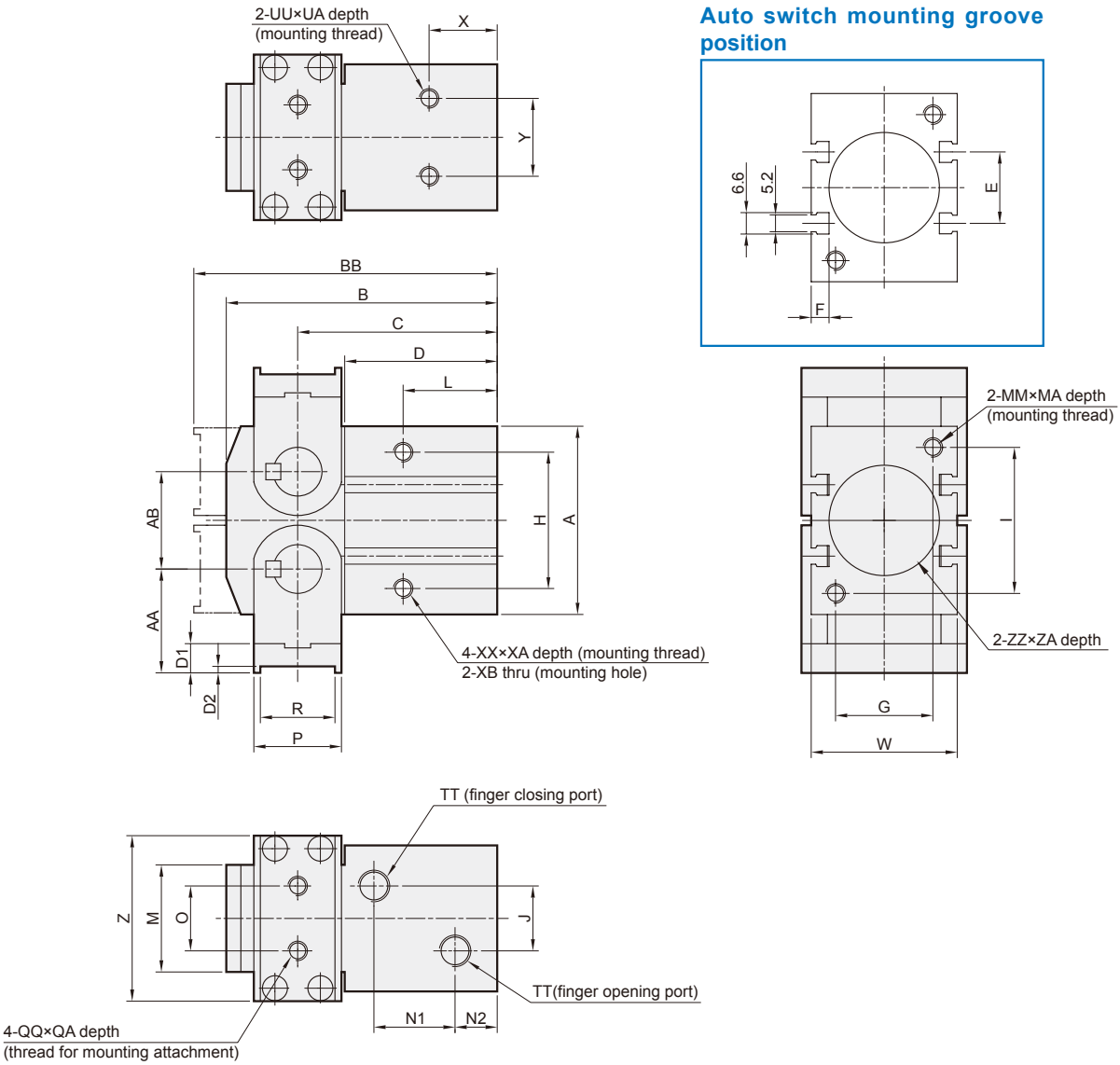
Right angle finger



Code / Tube I.D.	KA	KJ	KK	KL	KO	KP	KR	KS
20	5	14	M4×0.7	41	16	11	15	10
25	6	16	M5×0.8	45	21	15	18	12
32	7	18	M6×1	51	27	20	21	14
40	10	24	M8×1.25	67	36	26	30	21
50	12	30	M10×1.5	85	52	39	37	24

Code / Tube I.D.	KT	KW	KY
20	31	28	76
25	37	30	88
32	44	34	105.5
40	60	44	135.5
50	78	58	175

Flat finger (standard)



Code / Tube I.D.	A	AA	AB	B	BB	C	D	D1	D2	E	F	G	H	I	J	L	M	MA	MM	N1	N2	O	P
20	36	23	18	60	68	45	35	7	2	8	6	26	27	26	12	23	30	10	M5×0.8	20	9	18	16
25	45	27	24	69	78	51	40	8	2	9	5.5	30	34	30	16	27	30.3	12	M6×1	23	10	20	21
32	58	32	30	83.5	93.5	61.5	47	9	2	22	5.5	30	42	45	20	29	32.9	12	M6×1	25	13	20	27
40	80	42	40	104.5	117.5	75.5	56.5	12	3	20	6	36	54	60	20	37.5	45	15	M8×1.25	33.5	14	28	36
50	112	58	56	136	154	96	69	17	4	26	6	40	70	80	30	48	58.6	20	M10×1.5	22	16	38	52

Code / Tube I.D.	R	QA	QQ	TT	UA	UU	W	X	XA	XB	XX	Y	Z	ZA	ZZ
20	12 $^{+0.2}_{+0.1}$	5	M4×0.7	M5×0.8	7	M5×0.8	36	17	10	4.2	M5×0.8	20	41	3	ø21H9 $^{+0.052}_{+0}$
25	17 $^{+0.2}_{+0.1}$	6	M5×0.8	M5×0.8	10	M6×1	40	20	12	5.1	M6×1	24	45	3	ø26H9 $^{+0.052}_{+0}$
32	23 $^{+0.2}_{+0.1}$	7	M6×1	Rc1/8	10	M6×1	45	21	12	5.1	M6×1	24	51	4	ø34H9 $^{+0.062}_{+0}$
40	30 $^{+0.3}_{+0.1}$	9	M8×1.25	Rc1/8	15	M8×1.25	56	27.5	16	6.8	M8×1.25	30	67	4	ø42H9 $^{+0.062}_{+0}$
50	44 $^{+0.4}_{+0.1}$	13	M10×1.5	Rc1/4	20	M10×1.5	66	36	20	8.5	M10×1.5	40	85	5	ø52H9 $^{+0.074}_{+0}$