

MCHA series

GRIPPERS



Order example:

MCHA — 20

MODEL

TUBE I.D.

Features:

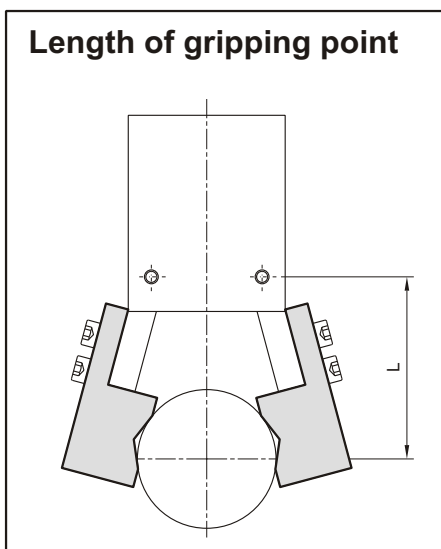
- Available with a comprehensive selection of bore size(ϕ 12~32)for the various needs.
- The highly accurate, air-driven open closed work.

Specification:

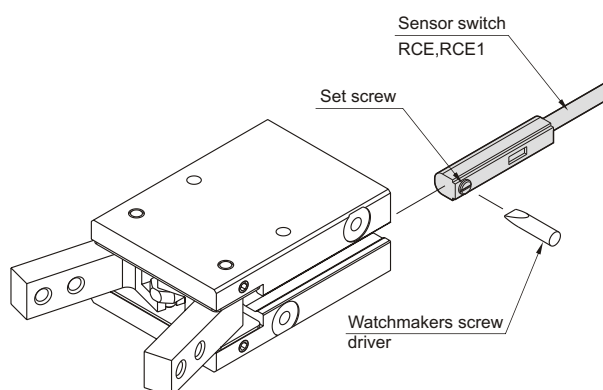
Model		MCHA				
Acting Type		Double Acting				
Tube I.D. (mm)		12	16	20	25	32
Port size Rc(PT)		M3×0.5	M5×0.8			
Medium		Air				
Operating pressure range		1.5~7 kgf/cm ² (0.15~0.7 MPa)				
Ambient temperature		- 5~+ 60℃ (No freezing)				
Max frequency		180 Cycles/min				
Lubrication	Cylinder	Not required				
	Lever	Grease				
Max arm length (L) ※		30	40	60	70	85
Clamp / Release angle		- 10~30°				
Theorem moment (M) ※	Closed	0.4×P	0.9×P	1.7×P	3.4×P	6.1×P
	Open	0.5×P	1.2×P	2.3×P	4.4×P	8.1×P
Clamping force (F) ※		F = M / L × 0.85				
Sensor switch		RCE, RCE1				
Weight (g)		53	103	193	327	525

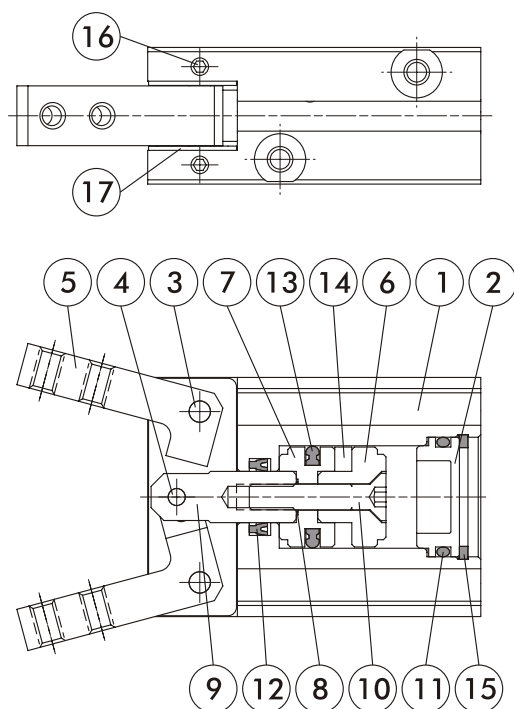
※ L : Arm length (mm), M : Theorem moment (kgf-cm),
F : Clamping force (kgf), P : Operating pressure (kgf/cm²).

Length of gripping point



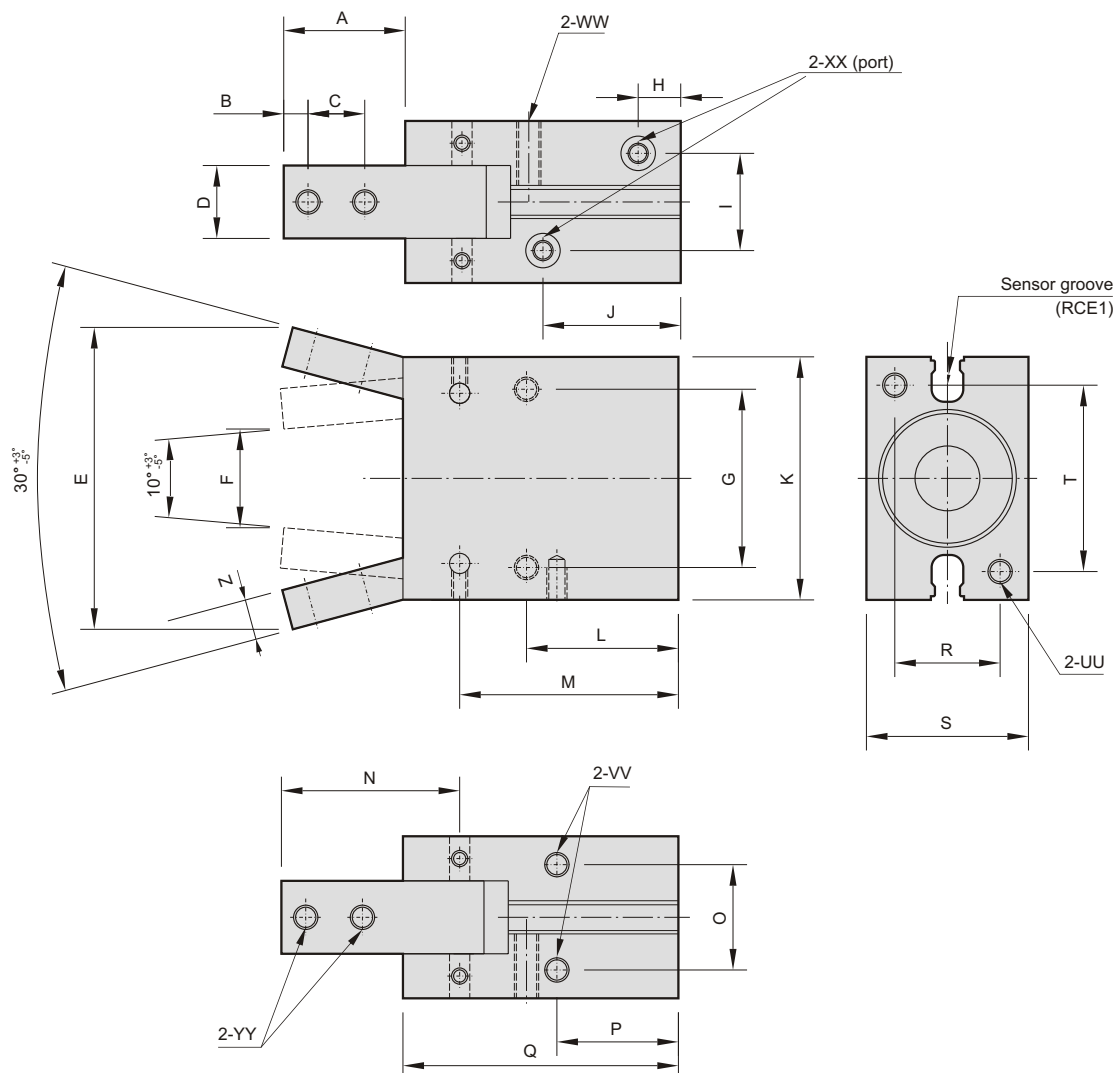
Installation of sensor switch





Material

No.	Part name	Material
1	Body	Aluminum alloy
2	Head cover	Aluminum alloy
3	Grip rivet	Carbon steel
4	Spindle rivet	Bearing steel
5	Y grip per	Carbon steel
6	Piston-R	Aluminum alloy
7	Piston-H	Aluminum alloy
8	Gasket	NBR
9	Piston rod	Stainless steel
10	Screw	Stainless steel
11	Cover ring	NBR
12	Rod packing	NBR
13	Piston packing	NBR
14	Magnet ring	Magnet material
15	Stop ring	Spring steel
16	Screw	SCM
17	Washer	Stainless steel



Code Tube I.D.	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
12	15.4	3	6	7	33	9	20	7.45	10.2	23.5	28	20	32.9	21.5	10.2	16	39	10	16	22	M3	M3	M3	M3	M3	5
16	17.5	3	8	9	43	14	24	7.5	12	22	34	22.5	35	25	14	18	42.5	14	22	26	M4	M4	M4	M5	M3	6
20	22	4	10	12	54	18	30	8	13	25	45	25	39.5	32.5	16	19	50	16	26	35	M5	M5	M5	M5	M4	7
25	26	5	12	14	64	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
32	30	6	14	18	74	24	44	10.5	24	34	60	37.5	54	44	26	30	68	26	40	46	M6	M6	M6	M5	M6	10