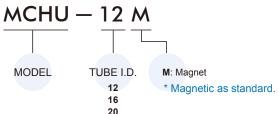
MCHU series

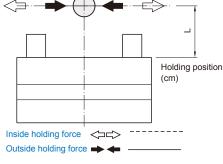
PARALLEL GRIPPER (2-Finger)



Order example



Capacity



Features

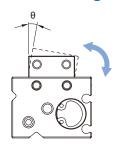
- Compact design, low weight with rugged construction.
- Jaws mounted to wear resistant bush guides.
- Proximity and reed switches can be used with this unit.
- Magnetic as standard.

Specification

Model	MCHU									
Acting type	Double acting									
Tube I.D. (mm)	12 16 20									
Stroke	15	25								
Fluid	Air 0.2~0.7 MPa									
Ambient temperature	-10~+60°C (No freezing)									
Lubrication (*1)	Not required									
Repeatability	±0.03 mm									
Sensor switch (*2)	RDF(V), RNF(V): NPN, RPF(V): PNP									
Weight (kg)	0.16	0.58								

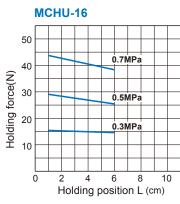
- *1. Maintenance: Re-Lubrication after appr. 1.5 million cycles recommended.
- *2. RDF specification, please refer to page 5-10.

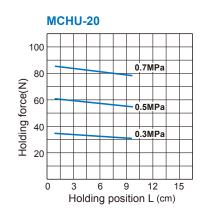
Non-rotaing accuracy



Tube I.D.	(θ)
ø12	±0.25°
ø16	±0.2°
ø20	±0.15°

MCHU-12 0.7MPa 30 Holding force(N) 0.3MP Holding position L (cm)





Model selection suggestions

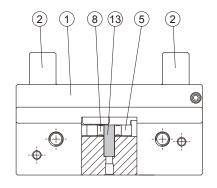
- * Finger selection please refer to page 3-2.
- 1. For normal gripping and carrying usage, the recommended safe factor (a) is 4.
- 2. The value of gripping force of single finger can be found at the gripping force table.
- 3. The safe factor (a) have to be higher if the gripper is using with a great accelerated velocity or impaction condition.

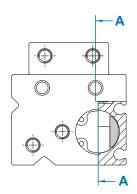


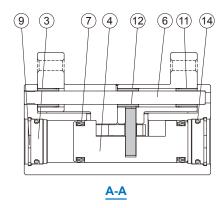
MCHU Inside structure & Parts list



PARALLEL GRIPPER (2-Finger)







Material

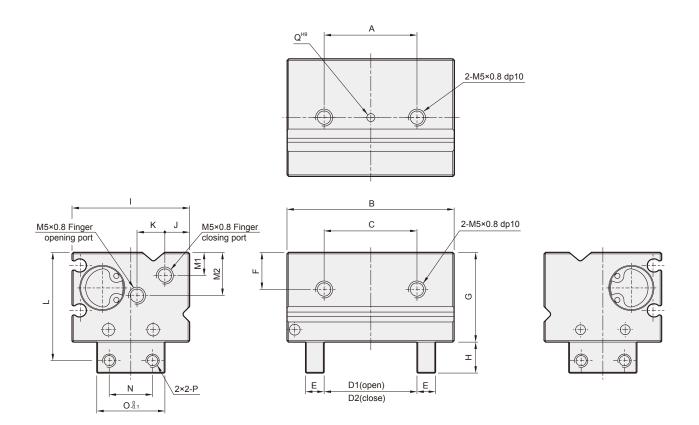
No.	Tube I.D. Part name	12	16	20	Q'y					
1	Body	Alur	1							
2	Finger	Alur	2							
3	Cover	ver Aluminum alloy								
4	Piston	Sta	1							
5	Cam		1							
6	Guide rod	Ca	2							
7	Piston packing		2							
8	Bearing	Ве	1							
9	Snap ring	Sp	2							
10	Magnet	Mag	1							
11	Bush		6							
12	Pin	High	2							
13	Pin High carbon steel									
14	O-ring	NBR								



MCHU Dimensions ø12~ø20



PARALLEL GRIPPER (2-Finger)



Code Tube I.D.	Α	В	С	D1	D2	Е	F	G	Н	I	J	K	L	М1	M2	N	0	Р	Q ^{H9}
12	30	54	30	30	15	6	12	29	10	38	8	9	35	7.5	14	14	22	M4×0.7	ø2 ^{+0.025} ×2dp
16	40	70	40	40	20	10	13.5	34	12	43	8	11	41	7.5	12.5	18	30	M5×0.8	ø3 ^{+0.025} ×4dp
20	60	82	60	50	25	10	15	43	22	56	10	15	59	9	20	20	35	M5×0.8	ø3 ^{+0.025} ×6dp

