



Features

- Through center hold for workpiece feed.
- Compact, yet rugged design enables high clamping force from the jaws.
- Body manufactured from high tensile, anodised aluminum giving good resistance to corrosion.
- Available with sensors
- Magnetic as standard..

Specification

Model	MCHGH				
Acting type	Double acting				
Body diameter (mm)	64	80	100	125	160
Stroke (mm)	8	12	16	20	26
Medium	Air				
Operating pressure range	0.2~0.8 MPa				
Repeatability	±0.05 mm				
Ambient temperature	-10°C~+60°C (No freezing)				
Lubrication (*1)	Not required				
Sensor switch (*2)	RH: Reed switch, RHN: NPN, RHP: PNP				
Weight (kg)	0.52	0.82	1.51	2.1	3.8

Order example

MCHGH — 64M

MODEL

BODY
DIAMETER

64
80
100
125
160

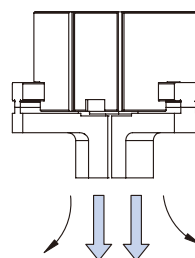
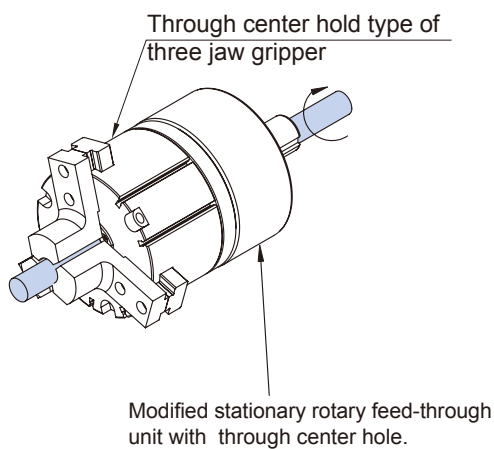
M: Magnet

* Magnetic as standard.

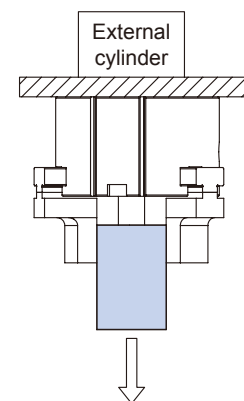
*1. Maintenance: Re-Lubrication after appr. 1.5 million cycles recommended.

*2. RH specification, please refer to page 5-12.

Application example

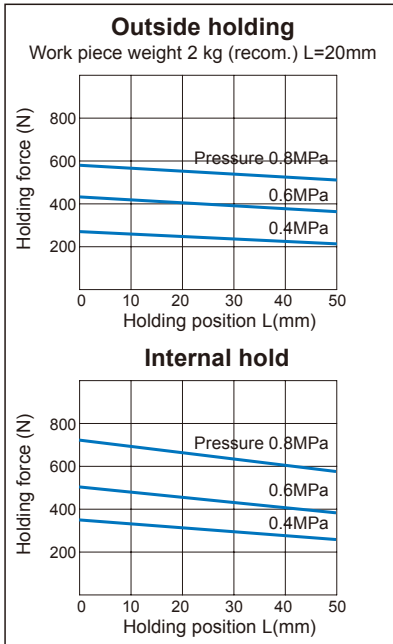


Air blowing

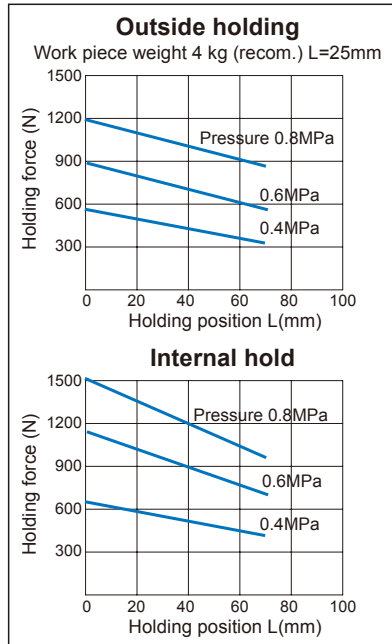


Pushing out workpiece with external cylinder

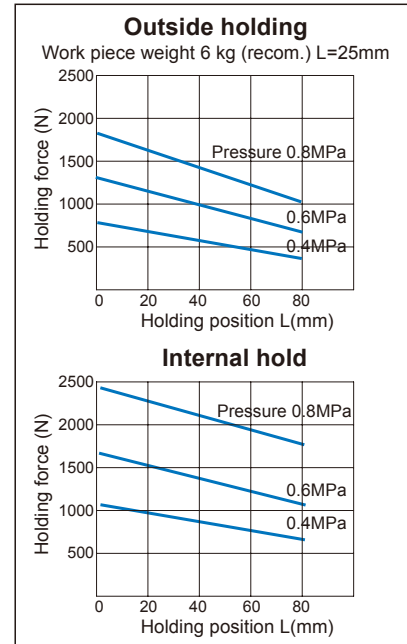
MCHGH-64



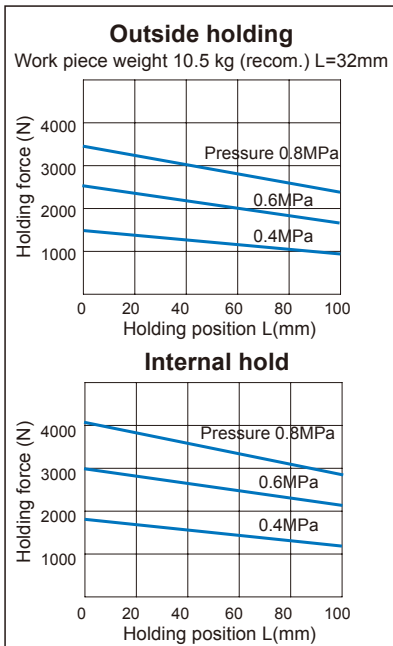
MCHGH-80



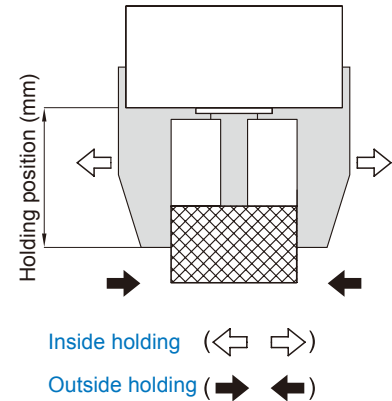
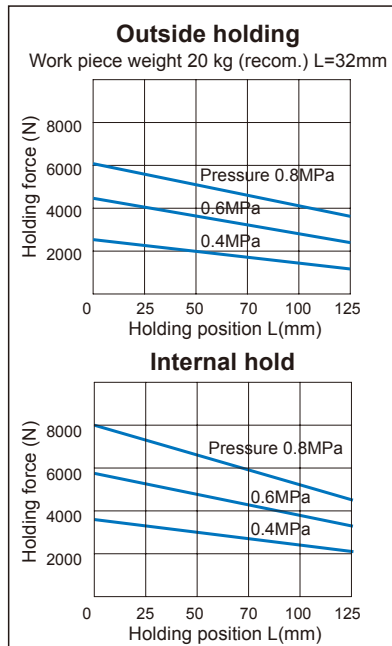
MCHGH-100



MCHGH-125

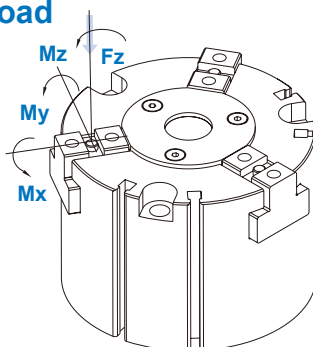


MCHGH-160

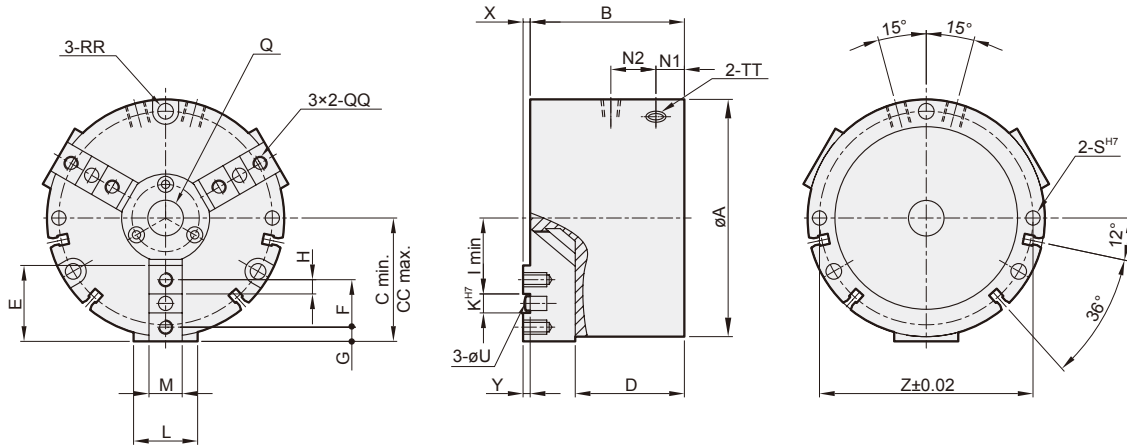


- With reference to the holding force, under the condition must be considered.
- Condition: friction coefficient, great acceleration impact is expected during work piece rotate.
- It recommend: select a type of arithmetic holding force that can produce 10 to 20 times for work piece weight.

Finger load



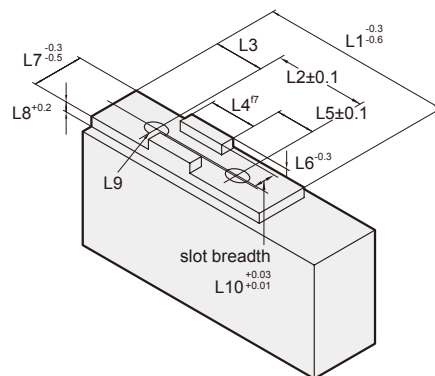
Code Model	Mx (Nm)	My (Nm)	Mz (Nm)	Fz (N)
MCHGH-64	12	10	10	500
MCHGH-80	15	30	25	1400
MCHGH-100	30	90	35	1800
MCHGH-125	45	95	45	2300
MCHGH-160	60	100	70	2500



Code Model	A	B	C	CC	D	E	F	G	H	I	K	L	M	N1	N2	Q	QQ
MCHGH-64	64	47.5	33	37	32	18	12	3	3.5	22	5	17	10.2	10	16.5	7.5	M3×0.5 DP 8
MCHGH-80	80	56.5	42	48	39.5	21	13	4	4	29	5	23	12.2	10	22	15	M4×0.7 DP 9
MCHGH-100	100	65	52	60	46	25	16	5	5	36	6	27	14.2	12	24	20	M5×0.8 DP 12
MCHGH-125	125	76	65	75	53.5	32	20	6	6	45	8	30	16.2	13.5	28.5	25	M6×1.0 DP 12
MCHGH-160	160	94	84	97	67	40	24	8.5	8	59	8	40	20.2	17	36.5	36.5	M6×1.0 DP 12

Code Model	P	RR	S	TT	U	X	Y	Z
MCHGH-64	0.5	$\varnothing 4.5$ thru, $\varnothing 8$ C/B DP 6 P.C.D 56	$\varnothing 4$ DP 10	M5	4	1	2.5	56
MCHGH-80	1.2	$\varnothing 6.6$ thru, $\varnothing 11$ C/B DP 7 P.C.D 70	$\varnothing 5$ DP 10	M5	4	2	3	70
MCHGH-100	1.2	$\varnothing 6.6$ thru, $\varnothing 11$ C/B DP 7 P.C.D 90	$\varnothing 5$ DP 12	M5	5	2	3	90
MCHGH-125	1.2	$\varnothing 9$ thru, $\varnothing 15$ C/B DP 9 P.C.D 112	$\varnothing 6$ DP 16	Rc1/8	6	2	3.5	112
MCHGH-160	—	$\varnothing 9$ thru, $\varnothing 15$ C/B DP 9 P.C.D 146	$\varnothing 6$ DP 20	Rc1/8	6	2	4	146

Finger blanks



Code Model	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
MCHGH-64	18	12	3	5	3.5	2	10	—	$\varnothing 3.4$	4
MCHGH-80	21	13	4	5	4	2.5	12	4.5	$\varnothing 4.5$	4
MCHGH-100	25	16	5	6	5	3	14	5.5	$\varnothing 5.5$	5
MCHGH-125	32	20	6	8	6	3	16	5.5	$\varnothing 6.6$	6
MCHGH-160	40	24	8.5	8	8	3.5	20	5.5	$\varnothing 6.6$	6