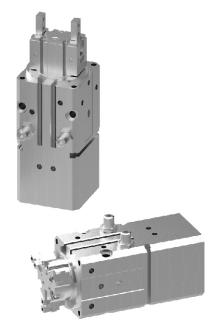
MCRH series

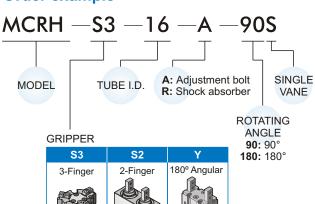
ROTARY GRIPPERS







Order example

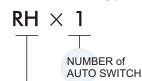


Specification

Model			MCRH
Acting type			Double acting
Medium			Air
Operating pressure rang		Rotary unit	0.25 ~0.7 MPa
	ige	Gripper unit	0.1 ~0.7 MPa
Rotary angle			90110°, 180°±10° (**1)
Repeatability			0.05 mm
Max.operating frequency			180 c.p.m
Ambient temperature			+5℃~+60℃
Adjustable rotation time range			0.07~0.3 s/90° (at 0.5MPa)(%2)
Allowable kinetic energy			0.014J
Available speed range			50~200 mm/s
0 "	h	Rotary unit	RH (2,3wire)
Sensor switc	Gripper unit		RH (3wire)
Cushion	Adjustment bolt		Rubber bumper
	Shock absorber		Shock absorber

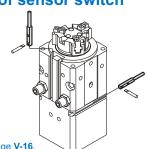
- ※1: Both ends of vibration ±5° adjustable.
- ※2: Please operate the gripper within it adjustment range as specified. Sticking will occur when the operating speed has exceeded the limit value, it will cause the gripper to fail when operating.

Auto switch type



style
Reed switch
NPN
PNP

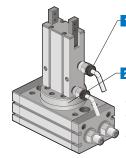
Installation of sensor switch



Rotary gripper

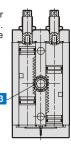
- Modular design versions of the series gripper as well as of parallel gripper, 3-finger-concentric gripper, 180° angular gripper.
- The dimension and size is 22% less comparing to the traditional model.
- Gripping and rotating integrated in a single compact module, without tubing for use on gripper.
- 4 Angle adjustments are standard and allow the rotation range of the gripper unit to be adjusted ±5° at the end of rotation.
- Shock absorber or adjustment bolt with rubber bumper, easy and fast replacement for rotation of end position cushion.

Traditional gripper



- 1 The traditional type gripper has an expose piping style. It will cause interference when operating.
- 2 Coupling mechanism

The rotating mechanism is driven by the cog of the internal gear wheel, it has greater volume.



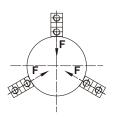
ROTARY GRIPPERS

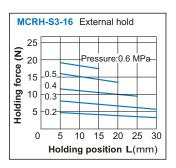


MCRH-S3-16

External hold

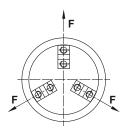
F: Thrust of one finger

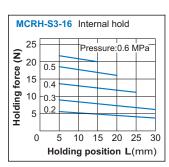




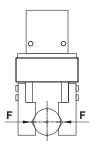
Internal hold

F: Thrust of one finger



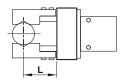


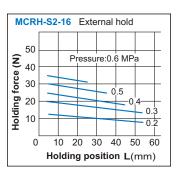
MCRH-S2-16



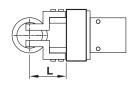
F: Thrust of one finger

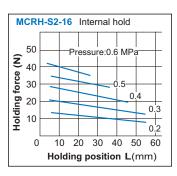
External hold



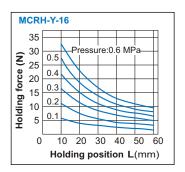


Internal hold



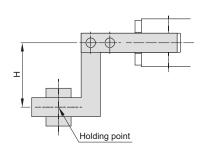


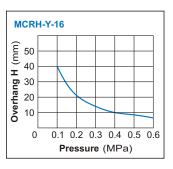
MCRH-Y-16



Confirmation of holding point

Work should be held at a point within the tange of overhanging distance (H) for a given preaaure bindicated in the tables. When the work is held at a point outside of the recommended range for a given pressure. it may causes adverse effect on the product life.





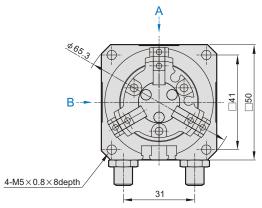


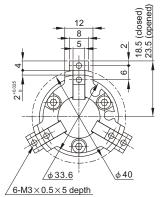
MCRH-S3 Dimensions ϕ 16

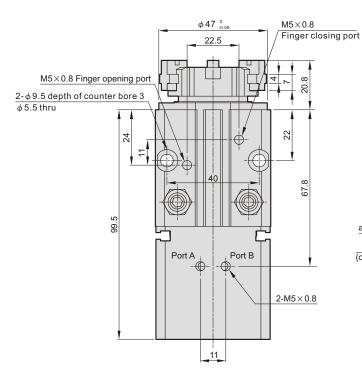


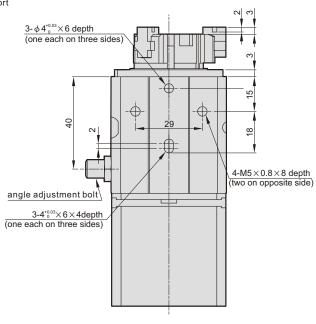
ROTARY GRIPPERS



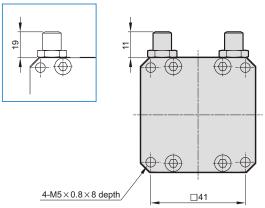


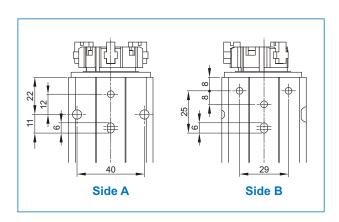






R: with shock absorber

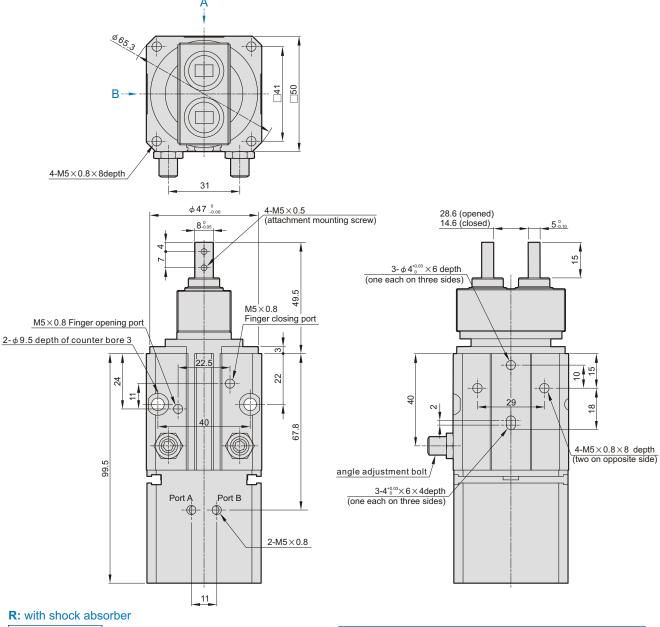


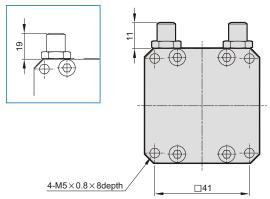


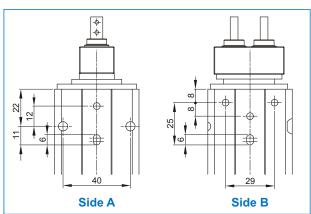


MCRH-S2 Dimensions ϕ 16

ROTARY GRIPPERS







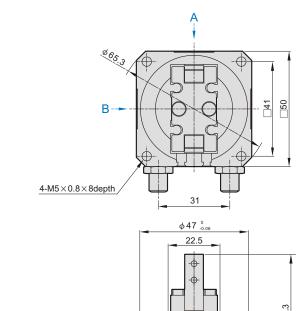


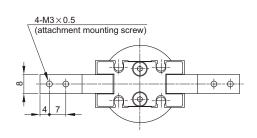
MCRH-Y Dimensions ϕ 16

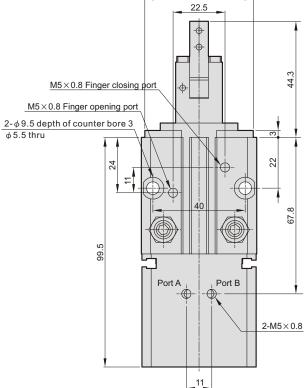


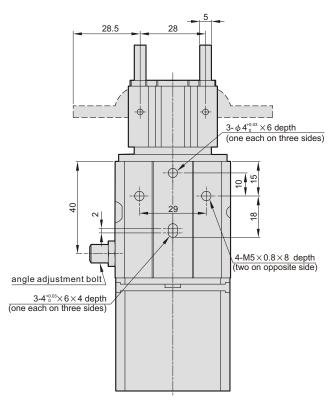
ROTARY GRIPPERS











R: with shock absorber

