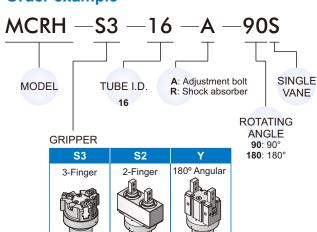




# Order example

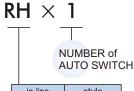


# **Specification**

Model		MCRH
Acting type		Double acting
Medium		Air
Operating pressure range	Rotary unit	0.25 ~0.7 MPa
	Gripper unit	0.1 ~0.7 MPa
Rotary angle		90°±10°, 180°±10° (%1)
Repeatability		0.05 mm
Max.operating frequency		180 c.p.m
Ambient temperature		+5°C~+60°C
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
Sensor switch	Rotary unit	RH (2 wire), RHN/RHP (3 wire)
(※3)	Gripper unit	RHN/RHP (3 wire)
Cushion -	Adjustment bolt	Rubber bumper
Gustiloti -	Shock absorber	Shock absorber

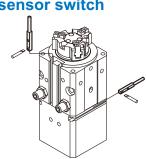
- ¾1. Both ends of vibration ±5° adjustable.
- ※2. Please operate the gripper within it adjustment range as specified. Sticking will occur when the operating speed has exceeded the limit value, it will cause the gripper to fail when operating.
- ※3. RH\* specification, please refer to page 5-12.

# Auto switch type

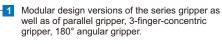


in-line	style	
RH	Reed switch	
RHN	NPN	
RHP	PNP	

# Installation of sensor switch



# Rotary gripper



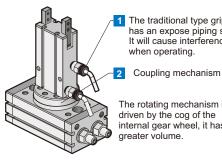
The dimension and size is 22% less comparing to the traditional model.

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.

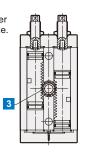
Shock absorber or adjustment bolt with rubber bumper, easy and fast replacement for rotation of end position cushion.

# Traditional gripper



The traditional type gripper has an expose piping style. It will cause interference

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





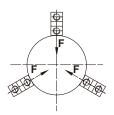
# ROTARY GRIPPER

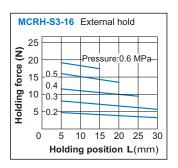


### **MCRH-S3-16**

#### **External hold**

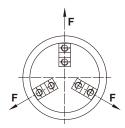
F: Thrust of one finger

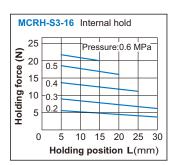




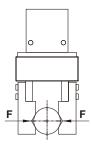
#### Internal hold

F: Thrust of one finger



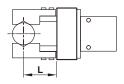


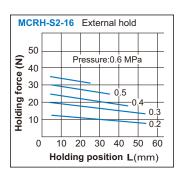
### **MCRH-S2-16**



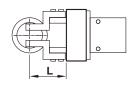
F: Thrust of one finger

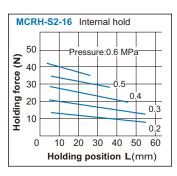
#### **External hold**



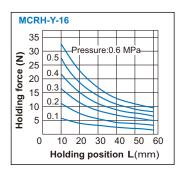


#### Internal hold



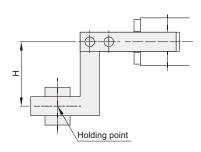


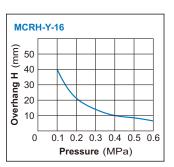
### MCRH-Y-16



# **Confirmation of holding point**

Work should be held at a point within the range of overhanging distance (H) for a given pressure indicated 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.



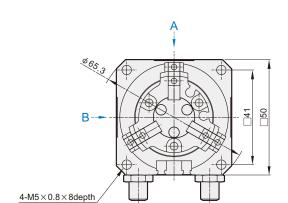


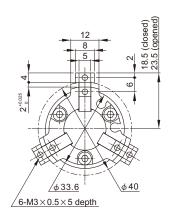


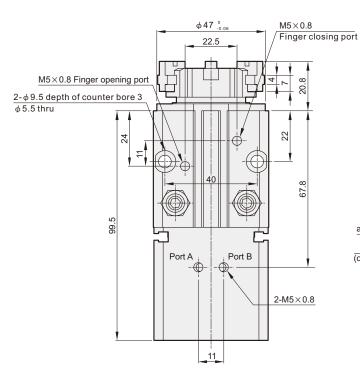
# MCRH-S3 Dimensions \$\phi\$ 16

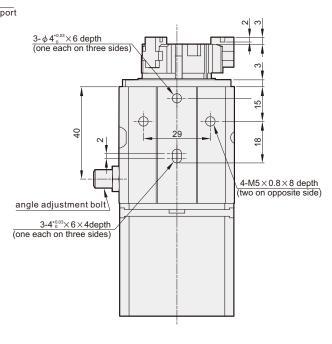


# ROTARY **GRIPPER**

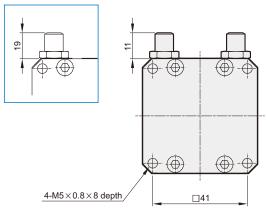


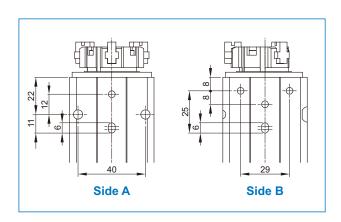






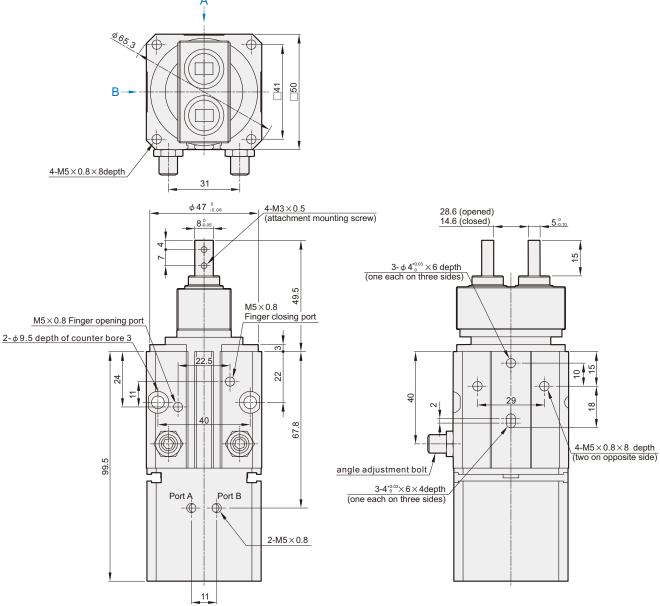
### R: With shock absorber



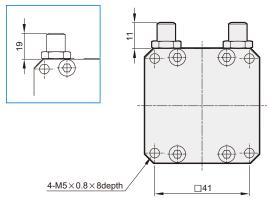


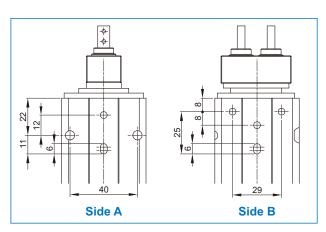


# ROTARY GRIPPER



#### R: with shock absorber



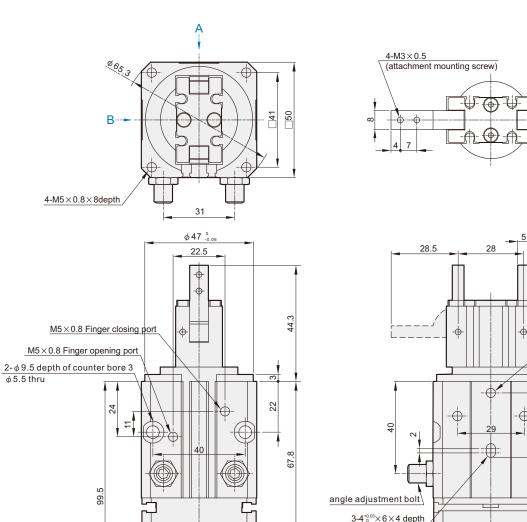




# ROTARY **GRIPPER**



-ф--ф-



# $3-\phi 4_0^{+0.03} \times 6$ depth (one each on three sides) 5 5 $\frac{4-M5\times0.8\times8\ depth}{(two\ on\ opposite\ side)}$ $\frac{3-4^{*0.03}\times 6\times 4 \text{ depth}}{\text{(one each on three sides)}}$ Port A Port B --- 🕀 2-M5×0.8 11\_

#### R: With shock absorber

