



Contact our sales office regarding a delivery date or a price since this is a special model.

SP144X-011E

RP:SU



Rotary Gripper (Additional rotation angles)

MRHQ10~25-※SX-※-※-※X101

SMC Corporation
4-14-1, SOTO-KANDA,
CHIYODA-KU,
TOKYO 101-0021, JAPAN
URL: <http://www.smcworld.com>

Feature : Additional rotation angles available based on the application.

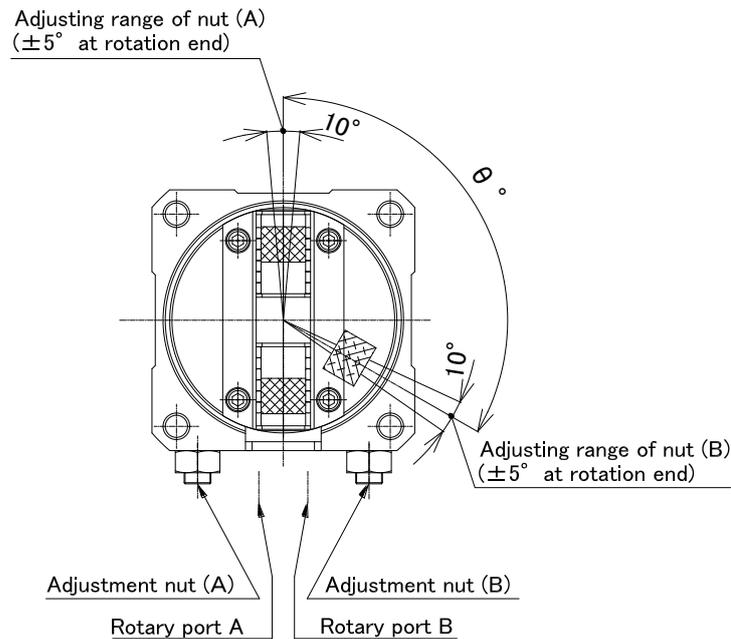
·Adjustable rotation angle is available from 30° to 165° in 15° increments.(Except for 90° as it is a standard model.)

Comparison with Standard Product :

1) Nine types of rotation angle (30°, 45°, 60°, 75°, 105°, 120°, 135°, 150°, 165°) can be selected.

* The specifications other than the change in the rotation angle and the number of auto switches attached for detecting rotation and dimensions are the same as the standard model (MRHQ). (Refer to Notes 1 and 2)

Gripper rotating range



Rotating range θ° type

(30° 45° 60° 75° 105° 120° 135° 150° 165°)

Supplement 1. The positions of the fingers shown in the above cross-hatching (see area) indicate the initial condition, pressurized from port B.

Supplement 2. To adjust rotation $\pm 5^\circ$ at each end, turn the adjusting nut about one and a half turns clockwise or counterclockwise.

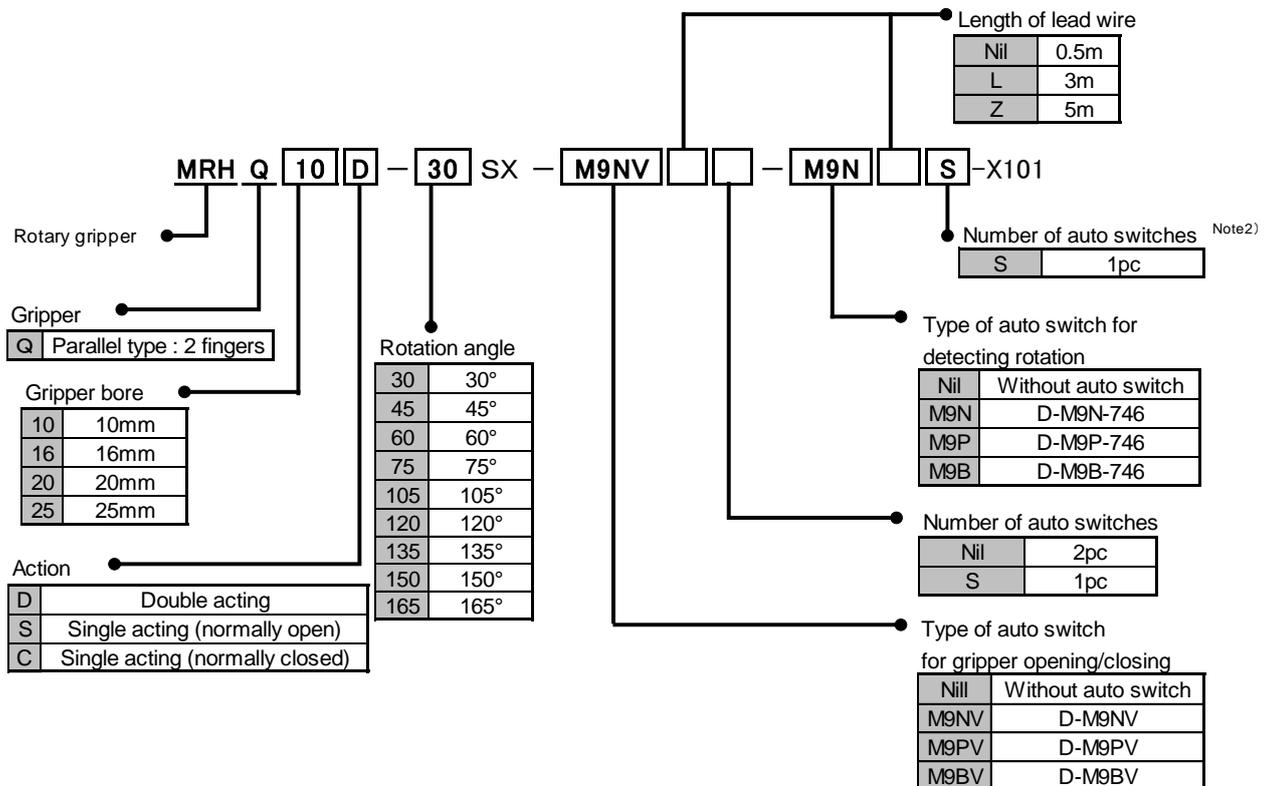
(Full 10° of adjustment (-5° to +5°) is about three turns.)

Specifications

Model		MRHQ10	MRHQ16	MRHQ20	MRHQ25
Fluid		Air			
Operating pressure	Rotary section	0.25 to 0.7MPa		0.25 to 1.0MPa	
	Gripper section	Double acting	0.25 to 0.7MPa	0.1 to 0.7MPa	
		Single acting	0.35 to 0.7MPa	0.25 to 0.7MPa	
Rotation angle		30° 45° 60° 75° 105° 120° 135° 150° 165° (Adjusting range: ±5° at each end of rotation)			
Gripper action		Double acting, Single acting			
Ambient and fluid temperature		5 to 60°C			
Adjustable rotation time (See Supplement 3.)		0.07~0.3 s/90° (0.5MPa)			
Allowable kinetic energy		0.0046J	0.014J	0.034J	0.074J
Auto switch	Rotary section	Solid state switch (2 wire, 3 wire)			
	Gripper section	Solid state switch (2 wire, 3 wire)			

(Supplement 3) Operate within the speed adjustable range. Operation at a low speed outside of the speed adjustable limit may cause stick slip or operation failure.

How to Order



Note 1: Refer to our catalog, Series MRHQ regarding common information such as specifications and dimensions of the product.

Note 2: An auto switch to confirm rotation can be mounted only at the starting point, and cannot be mounted on the end side.

⚠ Caution To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.