

Rotary Actuated Air Gripper/2-Finger Type

Series *MHR2/MDHR2*

Size: 10, 15, 20, 30

How to Order

Without auto switch

MHR 2 - 10 R - []

With auto switch
(Built-in magnet)

MDHR 2 - 10 R - M9N S - []

With magnet
(For auto switch)

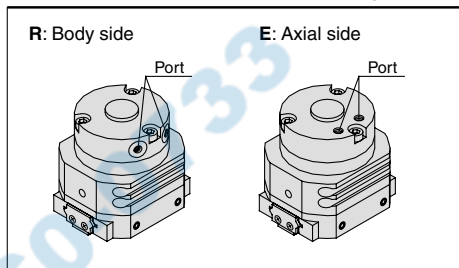
Number of fingers

2	2 fingers
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Nominal size

10
15
20
30

Connecting port



Made to Order
Refer to page 492 for details.

Number of auto switches

Nil	2 pcs.
S	1 pc.

Applicable Auto Switch/Refer to pages 761 to 809 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m)*				Pre-wired connector	Applicable load		
					DC	AC	Electrical entry direction		0.5 (Nil)	1 (M)	3 (L)	5 (Z)		IC circuit	Relay, PLC	
							Perpendicular	In-line								
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24V	5V, 12V	—	M9NV	M9N	●	●	●	○	○	—	
				3-wire (PNP)				M9PV	M9P	●	●	●	○			
				2-wire				M9BV	M9B	●	●	●	○			

* Lead wire length symbols: 0.5 m Nil (Example) M9N
1 m M (Example) M9NM
3 m L (Example) M9NL
5 m Z (Example) M9NZ

* Solid state auto switches marked with a "O" symbol are produced upon receipt of order.

MHZ

MHF

MHL

MHR

MHK

MHS

MHC

MHT

MHY

MHW

-X□

MRHQ

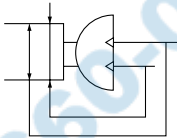
MA

D-□

Series MHR2/MDHR2



JIS Symbol



Made to Order

(Refer to pages 683 to 713 for details.)

Symbol	Specifications/Description
-X32	Countermeasure for condensation
-X63	Fluorine grease

Model/Specifications

Nominal size		10	15	20	30
Action		Double acting			
Gripping force (N) ⁽¹⁾ (Effective value) at 0.5 MPa	External grip	12	24	33	58
	Internal grip	12	25	34	59
Opening/ Closing stroke (Both sides)	Finger closing width (mm)	10	14	16	19
	Finger opening width (mm)	16	22	28	37
	Stroke (mm)	6	8	12	18
Mass (g) ⁽²⁾		100 (95)	180 (175)	390 (380)	760 (740)
Connection port		M3 X 0.5		M5 X 0.8	
Repeatability		±0.01mm			
Fluid		Air			
Operating pressure		0.2 to 0.6 MPa		0.15 to 0.6 MPa	
Ambient and fluid temperature		0 to 60°C			
Max. operating frequency		180 c.p.m			
Lubrication		Non-lube			



Note 1) Refer to page 494 "Effective Gripping Force" for details of Gripping force at each gripping point. Value of effective gripping force is measured at the middle of opening/closing stroke.

Note 2) () Value shows MDHR mass, but it does not include auto switch mass.

When the finger opening/closing speed is set as the total stroke of 0.2 seconds or more, it may cause the product to stick or completely stop its movement.