



Gripper for collaborative robots Long stroke type

# RHLF Series

With speed controller and cylinder switch  
Port size:  $\varnothing 4$  push-in fitting



## Specifications

Descriptions		RHLF
Bore size	mm	$\varnothing 16 \times 2$
Actuation		Double acting type
Working fluid		Compressed air
Max. working pressure	MPa	0.7
Min. working pressure	MPa	0.2
Port size		$\varnothing 4$ push-in fitting
Ambient temperature	$^{\circ}\text{C}$	5 - 50
Operating stroke length	mm	32
Repeatability	mm	$\pm 0.03$
Weight	kg	1.1
Indicator light		Blue/green
Cylinder switch		With T2H (Lights up when red LED is ON)

Note: See page 5 for manufacturing the attachment according to the workpiece.

## How to order

RHLF - 16CS - F Y2V - UR



Code	Description
<b>A Robot Flange</b>	
Blank	Without robot flange
F	With robot flange (Note 1)
<b>B Attachments</b>	
Blank	Without attachments
Y2	Attachment for testing (Note 2)
V	Directional control valve / tube (Note 3)

Note 1: With robot flange mounting bolts

Note 2: Because it is made of resin, use it for gripping tests. (Mass is 30g per piece)

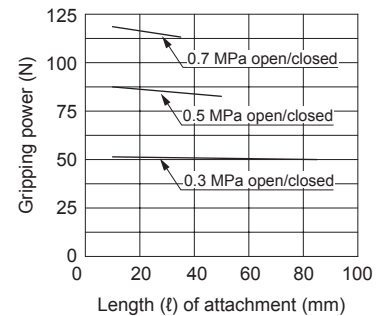
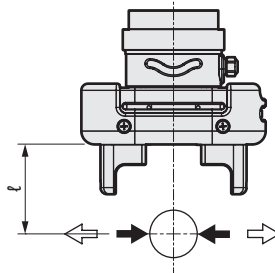
Note 3: Directional control valve includes a  $\varnothing 4$  push-in fitting (air supply port and A/B port), silencer (R1/R2 port), and mounting plate. The tube has an outer diameter of  $\varnothing 4$  and a length of 2.5 m x 2 piece.

For details about the directional control valve, see the last page.

## Gripping power performance data

- The gripping force indicates the thrust (for one finger) in the direction of the arrow shown in the figure.
- Indicates the gripping force operating in the opening and closing directions for the length ( $l$ ) of the attachment of the gripper when the supply pressure is 0.3, 0.5, and 0.7 MPa.

- Opening direction ( $\leftarrow$ ),
- Closing direction ( $\rightarrow$ ) (Solid line indication)



## Dimensions

