



Grippers for collaborative robots Long stroke

# RHLF - TM Series

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



## Specifications

Item		RHLF
Bore size	mm	$\varnothing 16 \times 2$
Actuation		Double acting
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 to 50
Operating stroke length	mm	32
Repeatability	mm	$\pm 0.03$
Weight	kg	1.0
Display lamp		Blue/green
Cylinder switch		With T2H (Lit when red LED is ON)

Note: When manufacturing the attachment according to the workpiece, refer to page 5.

## How to order

RHLF - 16CS - **F** **Y2V** - TM

**A** Robot flange      **B** Accessories OMRON Robot authentication

Code	Description
<b>A Robot flange</b>	
Blank	Without robot flange
F	With robot flange (*1)
<b>B Accessories</b>	
Blank	No accessories
Y2	Test attachment (*2)
V	Directional control valve/tube (*3)

\*1: Robot flange mounting bolts included

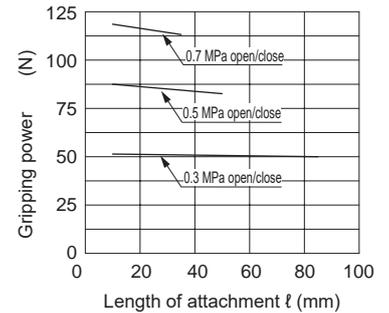
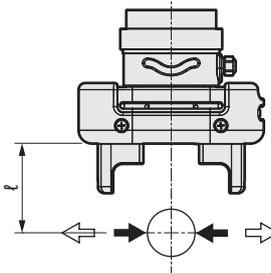
\*2: Use it for grip tests as it is made of resin. (Weight: 30 g per piece)

\*3: Directional control valve has  $\varnothing 4$  push-in fitting (air supply port, A/B port), silencer (R1/R2 port) and mounting plate. Tube outer diameter  $\varnothing 4$ , length 2.5m $\times$ 2. For more information on gripping force performance data directional control valve, refer to the Ending pages.

## Gripping power performance data

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

• Open direction( $\leftarrow$ ), closed direction ( $\rightarrow$ ) (shown with continuous line)



## Dimensions

