



Grippers for collaborative robots Compact

# RLSH - TM Series

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



## Specifications

Item	RLSH
Bore size	mm $\varnothing 20$
Actuation	Double acting
Working fluid	Compressed air
Max. working pressure	MPa 0.7
Min. working pressure	MPa 0.1
Port size	$\varnothing 4$ push-in fitting
Ambient temperature	$^{\circ}\text{C}$ 0 to 50
Operating stroke length	mm 18
Repeatability	mm $\pm 0.01$
Weight	kg 0.8
Display lamp	Blue/green
Cylinder switch	With F2H (Lit when yellow LED ON)

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

## How to order

RLSH - A20D1N - L1 - **F** **Y2V** - TM

**A** Robot flange **B** Accessories  
TM Robot authentication

Code	Description
<b>A Robot flange</b>	
Blank	Without robot flange
F	With robot flange (*1)

Code	Description
<b>B Accessories</b>	
Blank	No accessories
Y2	Test attachment (*2)
V	Directional control valve/tube (*3)

\*1: Robot flange mounting bolts included

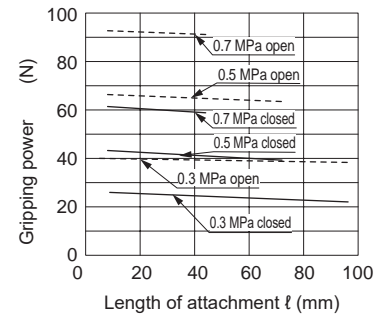
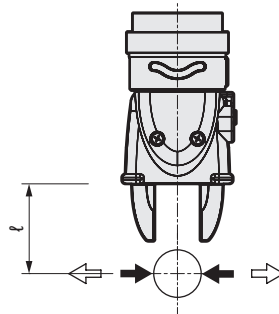
\*2: Use it for grip tests as it is made of resin. (Weight: 25 g per piece)

\*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.

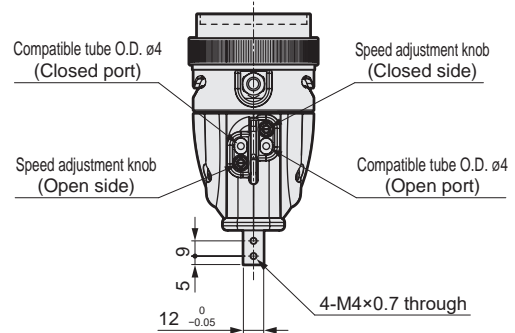
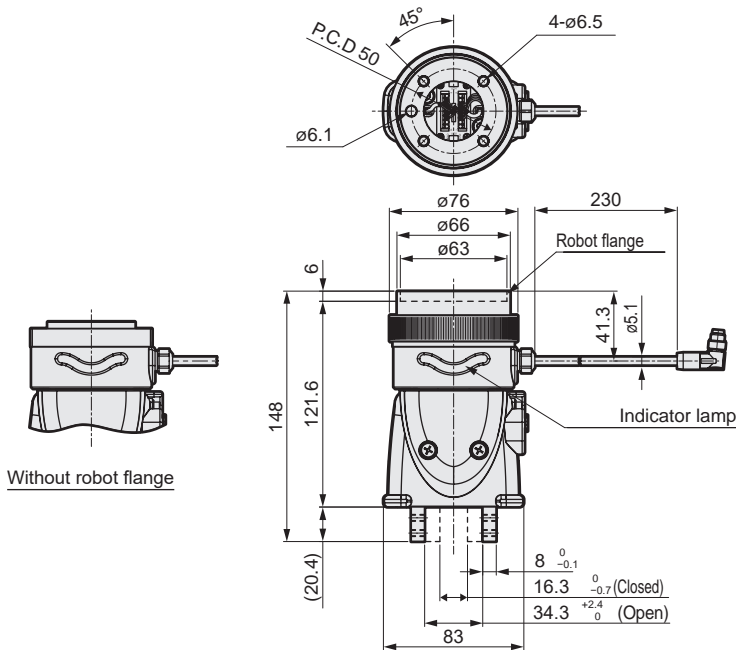
## Gripping power performance data

- 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 ( $\leftarrow$ ) ----- (Broken line)
- Close direction ( $\rightarrow$ ) ----- (shown with continuous line)



## Dimensions



Dimensions when attachment is installed

