



Grippers for collaborative robots Compact

# RLSH -KW Series

With speed controller, cylinder switch

Port size:  $\phi 4$  push-in fitting



## Specifications

Descriptions	RLSH
Bore size	mm $\phi 20$
Actuation	Double acting
Working fluid	Compressed air
Max. working pressure	MPa 0.7
Min. working pressure	MPa 0.1
Port size	$\phi 4$ 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 4.

## How to order

RLSH - A20D1N - L1 - **F** **Y2V** - KW

**A** Robot flange **B** Accessories K-AddOn registered product

Code	Item
<b>A Robot flange</b>	
<b>Blank</b>	Without robot flange
<b>F</b>	With robot flange (*1)
<b>B Accessories</b>	
<b>Blank</b>	No accessories
<b>Y2</b>	Test attachment (*2)
<b>V</b>	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)

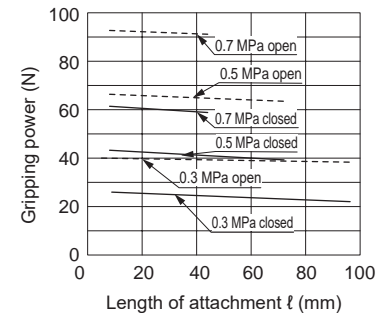
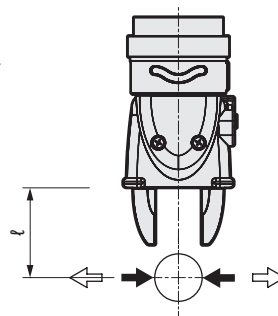
\*3: Directional control valves are with  $\phi 4$  push-in fitting (air supply port, A/B port), silencer (R1/R2 port) and mounting plate. Outer diameter  $\phi 4$  length 2.5 m x 2 tubes

For details on the directional control valve, refer to the end of this section.

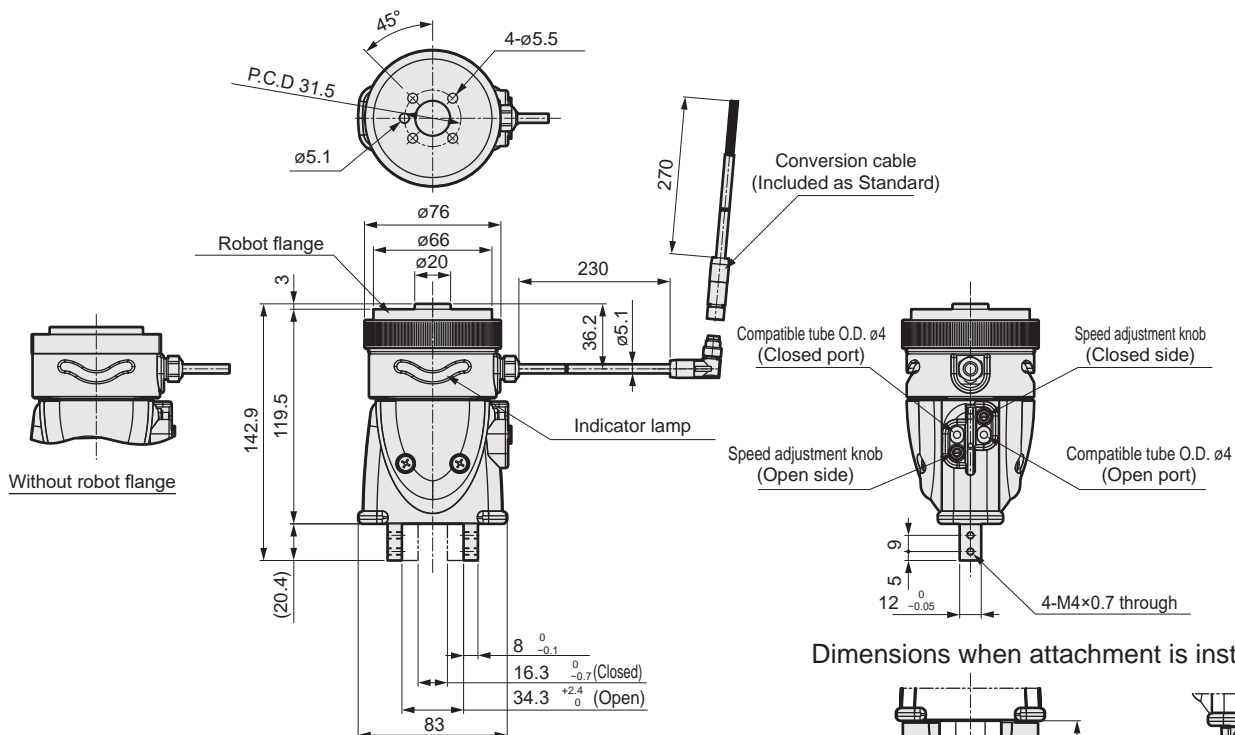
## Gripping power performance data

- Gripping power is the thrust (one finger) in the direction of the arrow shown in the figure.
- 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

