



Grippers for collaborative robots Compact

RLSH - TM Series

With speed controller, cylinder switch

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



Specifications

Item		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	± 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
OMRON Robot authentication

Code	Description
A Robot flange	
Blank	Without robot flange
F	With robot flange (*1)

B Accessories	
Blank	No accessories
Y2	Test attachment (*2)
V	Directional control valve/tube (*3)

*1: Robot flange mounting bolts included

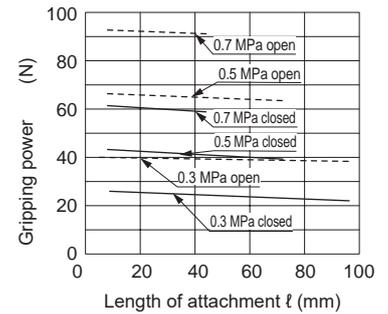
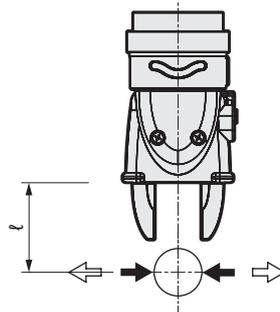
*2: Use it for grip tests as it is made of resin. (Weight: 25 g per piece)

*3: Directional control valve has $\phi 4$ push-in fitting (air supply port, A/B port), silencer (R1/R2 port) and mounting plate. Tube outer diameter $\phi 4$, 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

