



Gripper for collaborative robots Compact type

RLSH Series

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



Specifications

Descriptions		RLSH
Bore size	mm	$\varnothing 20$
Actuation		Double acting type
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 - 50
Operating stroke length	mm	18
Repeatability	mm	± 0.01
Weight	kg	1
Indicator light		Blue/green
Cylinder switch		With F2H (Lights up when yellow LED is ON)

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

How to order

RLSH - A20D1N - L1 - **F** **Y2V** - UR
 A Robot flange B Attachment
 UNIVERSAL ROBOTS Certified

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

Note 1: With robot flange mounting bolts

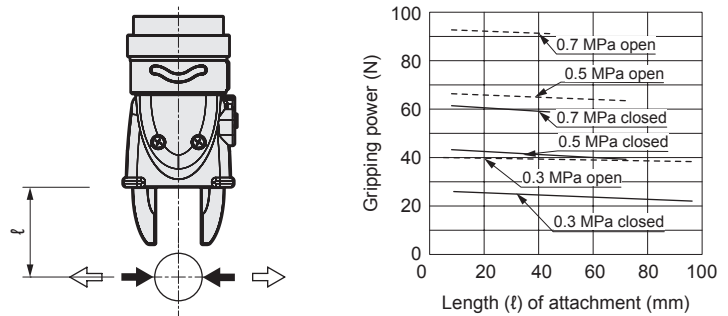
Note 2: Because it is made of resin, use it for gripping tests. (Mass is 25 g per piece)

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 (←) ----- (Dashed line indication)
- Closing direction (→) ----- (Solid line indication)



Dimensions

