ROBOTIQ

THE FLEXIBLE ROBOT GRIPPER DESIGNED FOR UNIVERSAL ROBOTS

EASY INSTALLATION

Everything you'll need for a quick installation from hardware to software.

EASY PROGRAMMING

Ready-made gripper programming templates for Universal Robots.

GET THE MOST OUT OF YOUR ROBOT

This robot and gripper team thrives on fast set up runs and flexibility.

ADAPTIVE GRIPPER

2-FINGER 85

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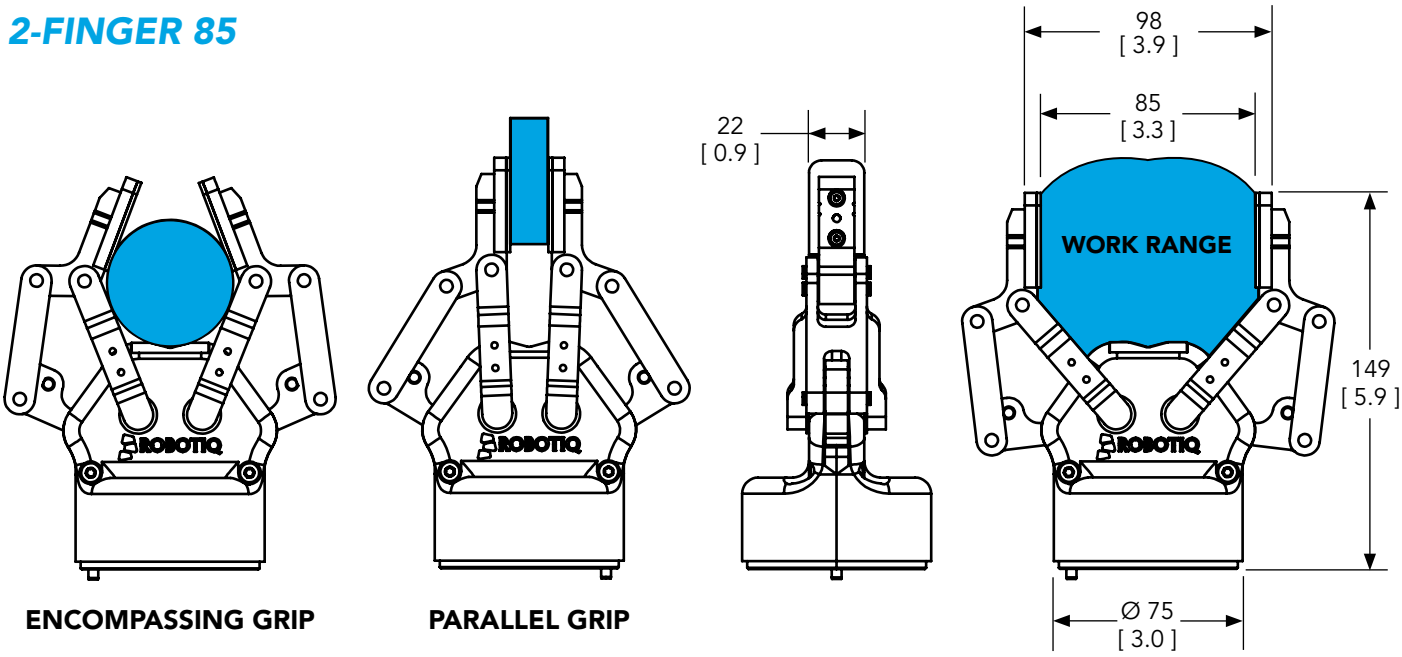

ENCOMPASSING GRIP **PARALLEL GRIP**

UNITS: mm
[in.]

TECHNICAL DATA

MECHANICAL SPECIFICATIONS*

Gripper opening (see figure)	0 to 85 mm	0 to 3.3 in
Object diameter for encompassing grip	43 to 85 mm	1.7 to 3.3 in
Gripper weight with mechanical coupling	850 g	1.9 lbs
Maximum recommended payload 0.3 friction coefficient between finger and steel part, safety factor of 2.4	5 kg	11 lbs
Grip force	60 to 200 N	13.5 to 45 lbf
Closing speed	20 to 150 mm/s	0.8 to 5.9 in/s
Operating temperature	-10°C to 50°C	14°F to 122°F
Parallel grip repeatability	0.05 mm	0.002 in

*Using Flat Silicone Fingertips for 2-Finger 85 Adaptive Gripper

ELECTRICAL SPECIFICATIONS

Nominal supply voltage	24 V DC ±10%
Absolute maximum supply voltage	28 V DC
Quiescent power (minimum power consumption)	<1 W
Peak current	1 A

CONTROL

Communication protocol	Modbus RTU (RS-485, Half-duplex)
Communication protocol options with controller	Ethernet/IP, TCP/IP, DeviceNet, CANopen, EtherCAT, Modbus RTU (USB)
Programmable gripping parameters	Position, speed and force control
Status LED	Power, communication and fault status
Feedback	Grip detection, gripper position and motor current

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Specifications subject to change without notice