ADAPTIVE GRIPPER
3-FINGER

GIVE TO YOUR ROBOT HAND-LIKE CAPABILITIES THROUGH A RUGGED AND AGILE GRIPPER.

FLEXIBLE
Handles a wide variety of part geometries and sizes.

POWERFUL CONTROL INTERFACE
Easy control of fingers’ position, speed and force. Grip detection.

RUGGED AND RELIABLE
Designed for industrial environments.

robotiq.com

T: 1.418.380.2788
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ENCOMPASSING GRIP  FINGERTIP GRIP

WORK RANGE

Gripper opening (see figure) | 0 to 155 mm | 0 to 6.1 in
Gripper weight                | 2.3 kg      | 5 lbs
Object diameter for encompassing | 20 to 155 mm | 0.79 to 6.1 in
Maximum recommended payload (encompassing grip) | 10 kg | 22 lbs
Maximum recommended payload (fingertip grip) | 2.5 kg | 5.5 lbs
Grip force (fingertip grip)* | 15 to 60 N | 3.4 to 13.5 lbf
Closing speed (fingertip grip) | 22 to 110 mm/s | 0.87 to 4.33 in/s
Operating temperature | -10°C to 50°C | 14°F to 122°F
Finger position repeatability (fingertip grip) | 0.05 mm | 0.002 in

*Figures not showing mechanical coupling to robot.

UNITS: mm [ in. ]

**TECHNICAL DATA**

**MECHANICAL SPECIFICATIONS**

**ELECTRICAL SPECIFICATIONS**

Nominal supply voltage | 24 V DC ±10%
Absolute maximum supply voltage | 28 V DC
Quiescent power (minimum power consumption) | 4.1 W
Peak power (at maximum gripping force) | 36 W
2 x 5 m (16.4 ft) shielded high-flex cables included

**CONTROL**

Communication protocol options | Modbus TCP, EtherNet/IP, PROFINET, EtherCAT, DeviceNet, CANopen
Communication by default | Modbus RTU (RS-485, half-duplex)
Programmable gripping parameters | Position, speed and force control of each finger, Lateral finger position control
Status LEDs (on gripper) | Power, communication and error, Grip detection, motor encoder position and motor current