



ROBOTIQ ADAPTIVE GRIPPER
2-FINGER MODEL – 85

**PICK, PLACE AND ASSEMBLE
ALL YOUR PARTS WITH A
SINGLE GRIPPER.**



FLEXIBLE

High payload, long stroke,
compact, light weight.

**3 GRIPPING
MODES**

Parallel, encompassing
and internal grip.

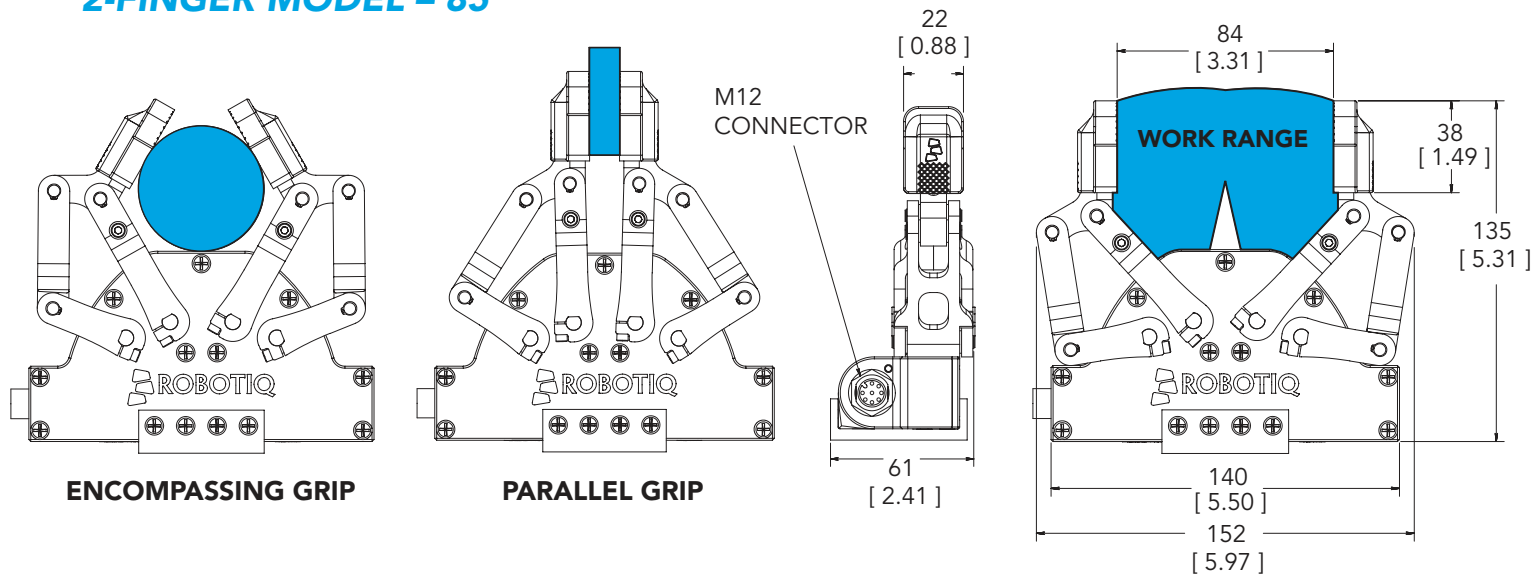
**POWERFUL CONTROL
INTERFACE**

Control of fingers' position,
speed and force. Grip detection.



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UNITS: mm
[in.]

TECHNICAL DATA

MECHANICAL SPECIFICATIONS

Gripper opening (see figure)	0 to 84 mm	0 to 3.31 in
Finger position resolution (fingertip grip)	0.4 mm	0.02 in
Object diameter for encompassing	34 to 84 mm	1.34 to 3.31 in
Gripper weight	890 g	1.96 lbs
Maximum recommended payload* 0.4 friction coefficient between finger rubber and steel part, safety factor of 2	4 kg	8.8 lbs
Grip force*	30 to 100 N	6.7 to 22 lbf
Closing speed (fingertip grip)*	19 to 100 mm/s	0.75 to 3.94 in/s
Closing time* for a 5 mm gap on each side of the object and excluding communication delays	0.22 sec	
Operating temperature	-10°C to 50°C	14°F to 122°F
Finger position repeatability (fingertip grip)	0.05 mm	0.002 in

* Other gear ratio available

ELECTRICAL SPECIFICATIONS

External controller dimension - L x W x H (DIN rail mountable)	145 mm x 121 mm x 39 mm	5.72 in x 4.77 in x 1.55 in
Maximum total current	1.7 A	
Nominal supply voltage	24 V	
Quiescent power (minimum power consumption)	5 W	
Peak power (at maximum gripping force)	41 W	

CONTROL

Communication protocol options	EtherNet/IP, TCP/IP, DeviceNet, CANopen, EtherCAT, Modbus RTU
Programmable gripping parameters	Position, speed and force control
Status LED (on gripper)	Power
Status LEDs (on controller)	Power, communication and error
Feedback	Grip detection, motor encoder position and motor current