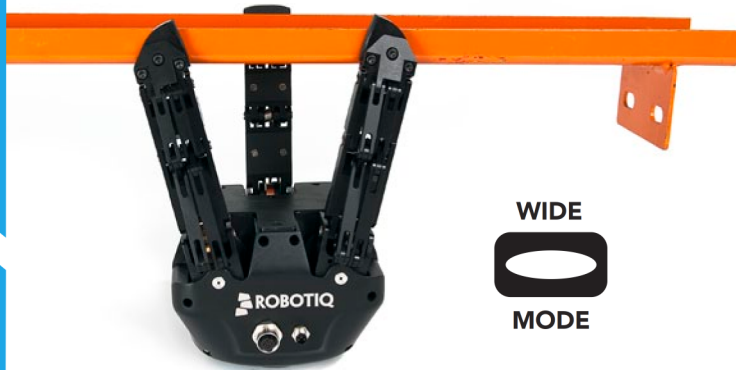


# ROBOTIQ ADAPTIVE GRIPPER

## S-MODEL



**4** DIFFERENT  
OPERATION  
MODES

**PICK, PLACE,  
SORT AND  
HOLD  
ALL YOUR  
PARTS WITH  
A SINGLE  
TOOL.**

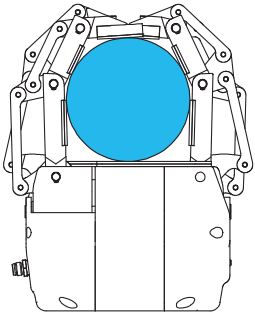
T: 1.888.ROBOTIQ (762-6847)  
info@robotiq.com  
[robotiq.com](http://robotiq.com)

156 -1B, route du Pont  
St-Nicolas (Qc)  
Canada G7A 2T4

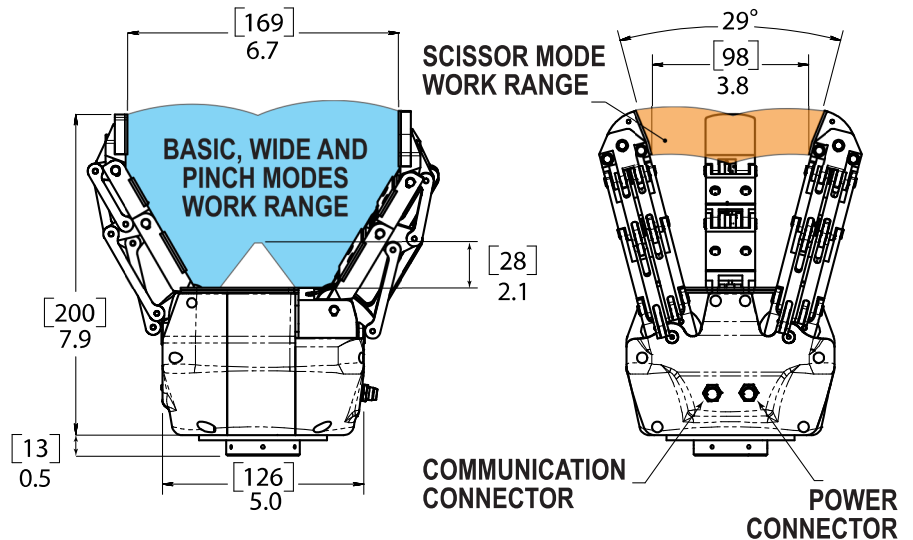
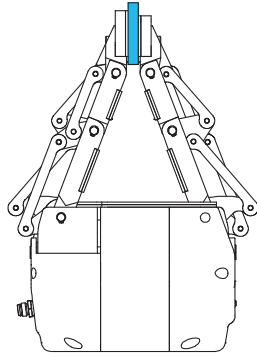
# ROBOTIQ ADAPTIVE GRIPPER

## S-MODEL

ENCOMPASSING GRIP



FINGERTIP GRIP



**Notes:**

- Gripper without the faceplate
- Units: [ mm ]  
in.

## TECHNICAL DATA

### MECHANICAL SPECIFICATIONS

Gripper opening (see Figure)	0-169 mm	0-6.7 in
Gripper approximate weight	2.3 kg	5 lbs
Recommended Payload (Encompassing Grip)	10 kg	22 lbs
Recommended Payload (Fingertip Grip)	3 kg	6.6 lbs
<small>.75 Friction coefficient between finger rubber and steel part, safety factor of 2</small>		
Maximum Grip Force (Fingertip Grip)	40 N	10 lbf
Maximum Break Away Force	100 N	22 lbf
Maximum Closing Speed (Fingertip Grip)	110 mm / sec	4.3 in / sec
Min. ambient temperature	-10°C	14°F
Max. ambient temperature	50°C	122°F
Finger Position Repeatability (Fingertip Grip)	0.065 ±0.008 mm	0.0026 ±0.0003 in

### ELECTRICAL SPECIFICATIONS

Nominal Supply Voltage	24 V
Quiescent Power (minimum power consumption)	4.1 W
Peak Power (at maximum gripping force)	35 W
Maximum RMS Supply Current (supply voltage at 24V)	1.4 A

### CONTROL

Interface options	Ethernet/IP, Modbus RTU, Modbus TCP, DeviceNet or EtherCAT
Grasping programmable parameters	Force, speed and partial closing/opening
Status LEDs	Power, communication and error
Feedback	Finger contact detection, motor encoders and motor currents