

Soft Gripper Actuator for Cobots – OnRobot



The OnRobot Soft Gripper is able to pick a wide array of irregular shapes and delicate items, making it ideal for pick-and-place applications, as well as manufacturing or packaging.

The gripper is available with three interchangeable silicon-molded cups. The Soft Gripper operates without an external air supply, for no additional costs or complexity.

Quick# 8280
 Part# OR-103456
PRICE: \$4,378.00

** Actuator price only. Modules sold separately.*

OnRobot pricing effective 05/01/24 and subject to change.

Try It Risk Free!

**Contact us for details*



Features:

- Actuator base weight: 0.77kg / 1.69lbs
- Actuator base dimensions: 84mm x 98mm.
- Smart lock tool mechanism and quick changer base included.
- Maximum payload of 2.2 kg depends on shape, softness, and friction of items to be handled, and grip dimensions range from 11mm to 118mm, depending on cup used.

- IP 67 Classification.
- Silicone is FDA 21 CFR 177.2600* & EC 1935/2004 approved.
- Integrated software.
- Automatic tool center point (TCP) calculation, depth compensation, and payload calculation for UR.
- Dimensional drawings available online.

Technical Specs	
Total spindle stroke	11–40mm
Spindle force	380 N (85.4 lbf)
Spindle speed	37mm/s (1.46in/s)
Maximum rated payload	Dependent on end effector (see next page)
Gripping time*	32 grip/min
Weight	77g (1.69 lb)
Power supply	20V – 25V
Current consumption	45mA – 600mA
Operating temperature	32° – 122°F

** Gripping time is tool depended.*





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Gripper Modules for Soft Gripper Actuator

Quick#	Part#	Description	Max Payload*	Gripping Range	Price
8281	OR-103689	Soft	4.85 / 3.3 lb (2.2 / 1.5 kg)	11–75mm	\$1,042.00

* Test object: 3D-printed ABS cylinder Ø65mm. Payload depends on shape, softness, and friction of the product.



Gripper Modules for Soft Gripper Actuator

Quick#	Part#	Description	Max Payload*	Gripping Range	Price
8282	OR-103860	Extra Soft	4.85 / 3.3 lb (2.2 / 1.5 kg)	11–75mm	\$1,042.00

* Test object: 3D-printed ABS cylinder Ø65mm. Payload depends on shape, softness, and friction of the product.



Gripper Modules for Soft Gripper Actuator

Quick#	Part#	Description	Max Payload*	Gripping Range	Price
8283	OR-103691	Claw	2.42 lb (1.1 kg)	24–118mm	\$1,042.00

* Test object: 3D-printed ABS cylinder Ø65mm. Payload depends on shape, softness, and friction of the product.

- CU
- QC
- VG
- VC
- VA
- SG**
- GR
- MT
- AC
- CS
- CC