

OnRobot RG6 Adaptive Gripper for Cobots



OnRobot's RG6 adaptive gripper is a powerful adaptive gripper with features that make it the ideal gripper for Collaborative and Industrial Applications.

It includes a built-in Quick Changer, adjustable stroke and grip force, finger tips, and software that makes it easy to use.

Quick# 8202

OR-102021

PRICE: \$5,945.⁰⁰

Pricing effective 7/1/2022. Check website for current pricing.

Try It Risk Free!

*Contact us for details



Features:

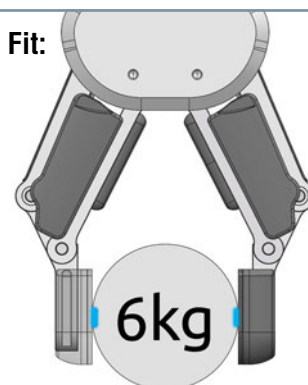
- Grip indications (part confirmation).
- Automatic tool center point (TCP) calculation, depth compensation, and payload calculation for UR.
- Integrated software.
- +/-90° Angular adjustments built into device in 30° Increments.

Technical Specs	
Adjustable stroke (w/ stock fingers)	0–160mm
Payload with stock fingers (force fit)	13.22 lb (6 kg)
Payload with custom fingers (form fit)	22.04 lb (10 kg)
Finger position resolution	± 0.1mm
Repetition accuracy	± 0.1mm – 0.2mm
Reversing backlash	± 0.1mm – 0.3mm
Gripping force (adjustable)	5.6 lbf – 27 lbf
Gripping force deviation	+/-25%
Gripping speed	51mm – 160mm /second
Gripping time*	0.05s – 0.15s
Adjustable bracket tilting accuracy	less than 1°
Storage temperature	32° – 122°F
Weight	1250g (1.76 lb)
Power supply	20V – 25V
Current consumption**	70mA – 600mA
Operating temperature	41° – 122°F

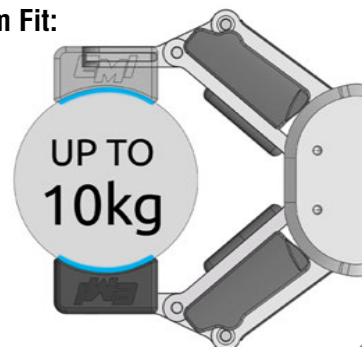
* Based on 8mm total movement between fingers. The speed is linearly proportional to the force.

**Current spikes up to 3A (max 6mS) may occur during the release action.

Force Fit:



Form Fit:

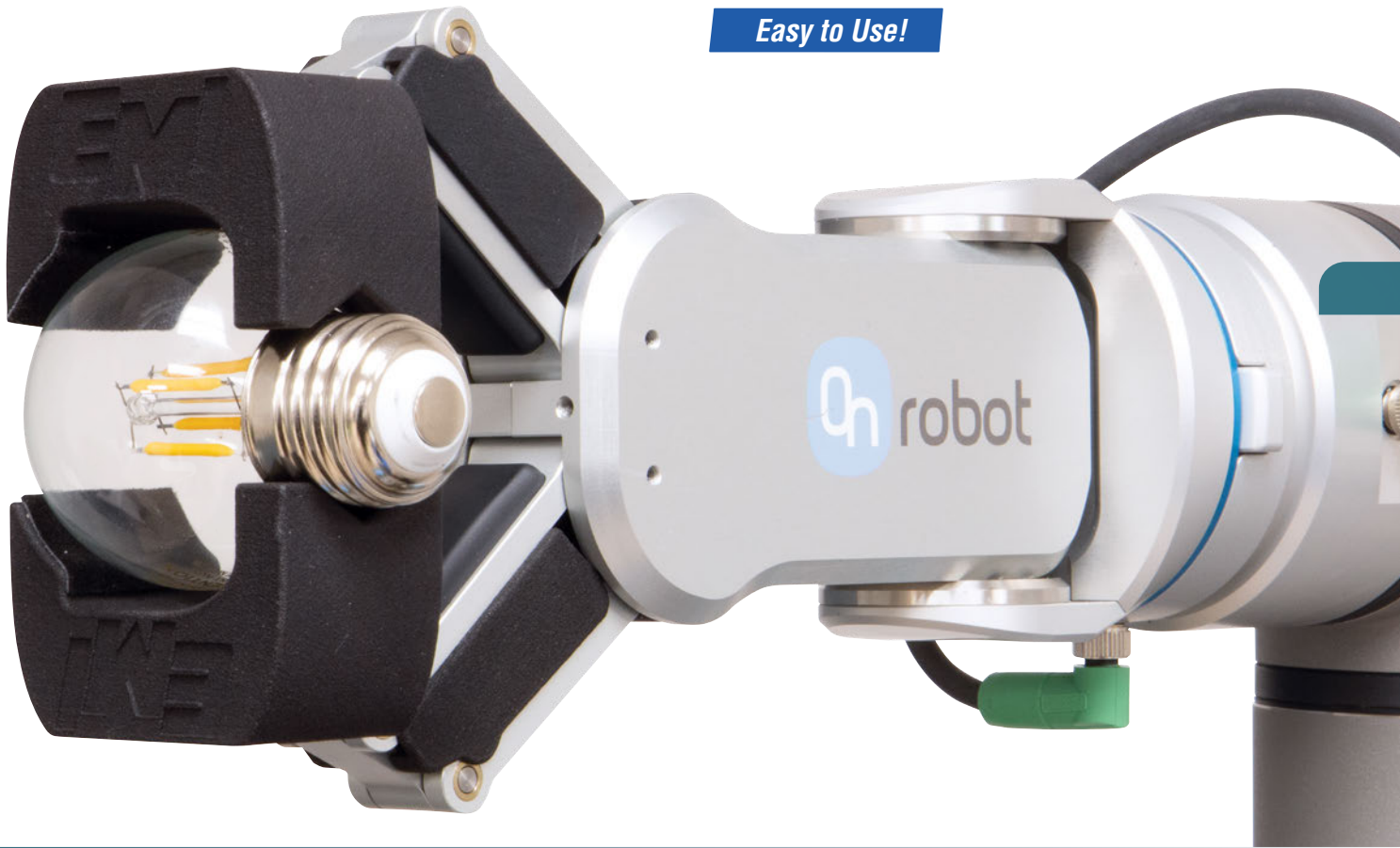


OnRobot RG6 Adaptive Gripper for Cobots

Custom fingers with soft-touch flocking available.

Contact EMI about 3D printed fingers.

Easy to Use!



Replacement and optional RG6 items:



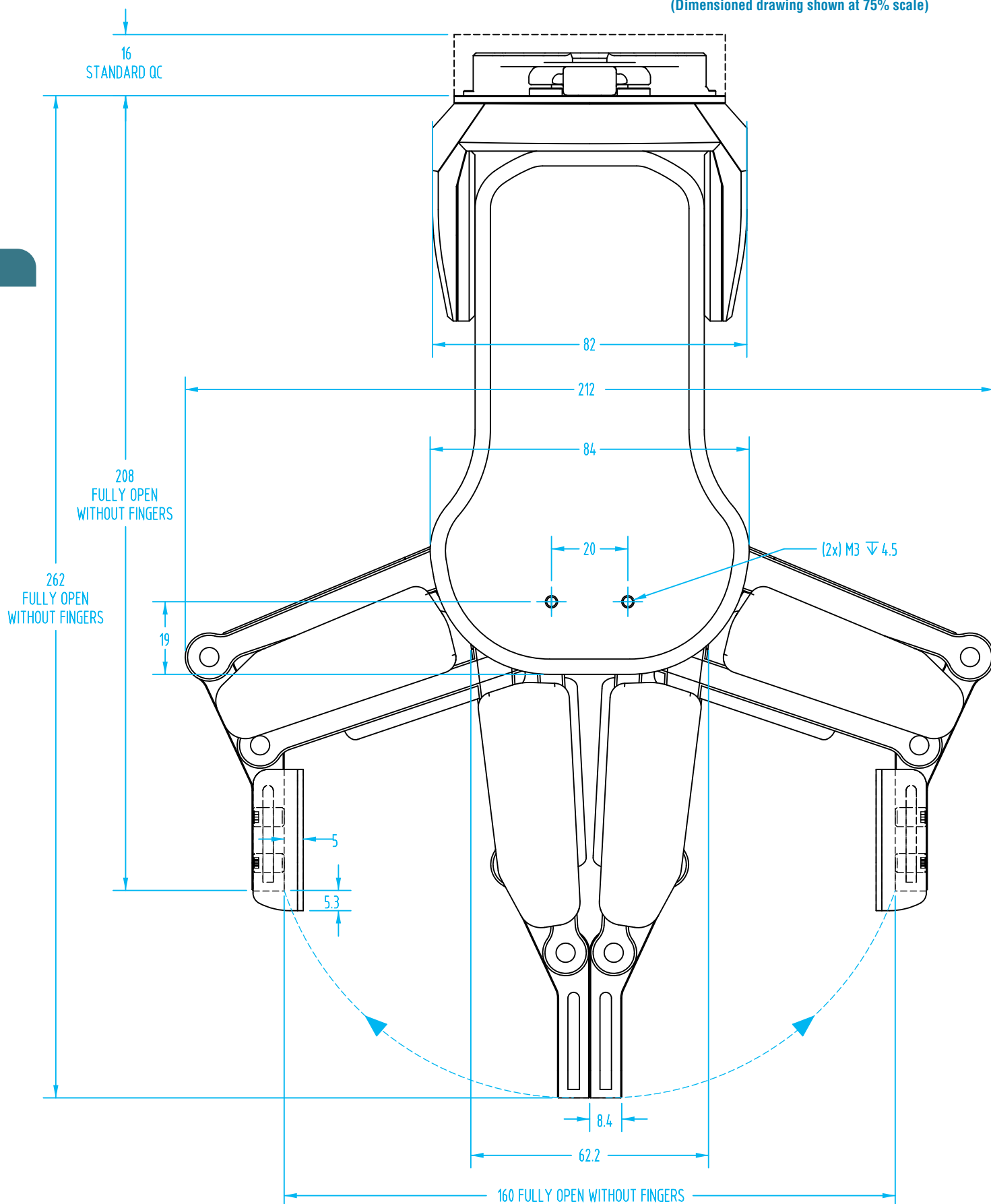
Quick#	Part#	Description	Price
8241	OR-100670	Standard Finger Tip	\$72.00
8273	OR-106957	X-Shape Finger Tip	\$109.00
8276	OR-106966	50mm Finger Extension	\$194.00
8277	OR-106967	100mm Finger Extension	\$194.00

Note: See EMI website for dimensional drawings.

Use Quick#s for easy online ordering.

OnRobot RG6 Adaptive Gripper

(Dimensioned drawing shown at 75% scale)



(Dimensioned drawings shown at 75% scale)

