

OnRobot RG2 Adaptive Gripper for Cobots



Adaptive Grippers make it easy to program secondary operations using Cobots around the Injection Molding Machine or anywhere in your plant.

Contact our EOAT experts to learn more about OnRobot! Cobots@emicorp.com

Quick# 8201
OR-102012

PRICE: \$4,963.⁰⁰

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

Try It Risk Free!

*Contact us for details



Features:

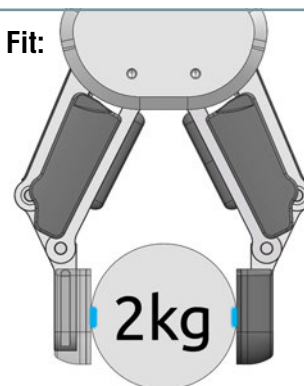
- Grip indications (part confirmation).
- Automatic tool center point (TCP) calculation, depth compensation, and payload calculation for UR.
- Integrated software.
- +/-90° Angular adjustments built into device in 30° Increments.

Technical Specs	
Adjustable stroke (w/ stock fingers)	0–110mm
Payload with stock fingers (force fit)	4.4 lb (2 kg)
Payload with custom fingers (form fit)	11.02 lb (5 kg)
Finger position resolution	± 0.1mm
Repetition accuracy	± 0.1mm– 0.2mm
Reversing backlash	± 0.1mm – 0.3mm
Gripping force (adjustable)	0.7 lbf – 9 lbf
Gripping force deviation	+/-25%
Gripping speed	38mm – 127mm /second
Gripping time*	0.06s – 0.21s
Adjustable bracket tilting accuracy	less than 1°
Storage temperature	32° – 122°F
Weight	780g (1.72 lb)
Power supply	20V – 25V
Current consumption**	10mA –600mA
Operating temperature	41° – 122°F

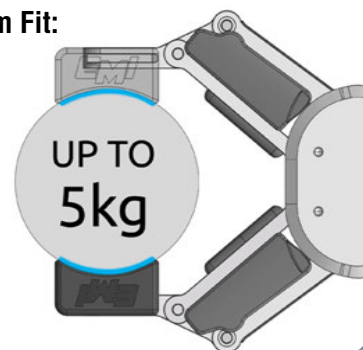
* Based on 8mm total movement between fingers. The speed is linearly proportional to the force.

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

Force Fit:

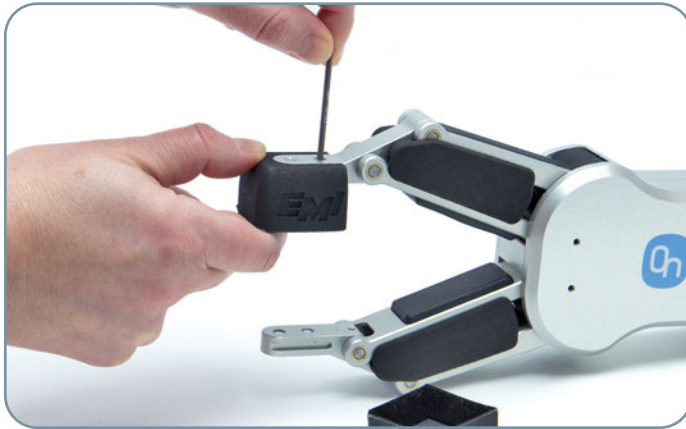


Form Fit:

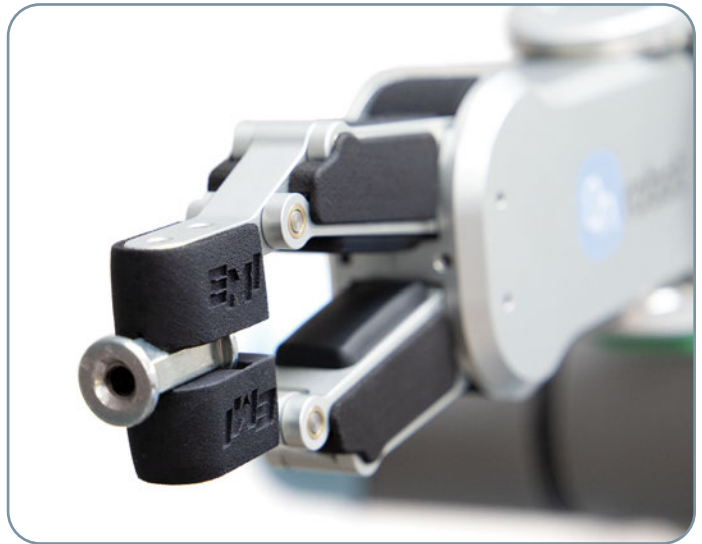
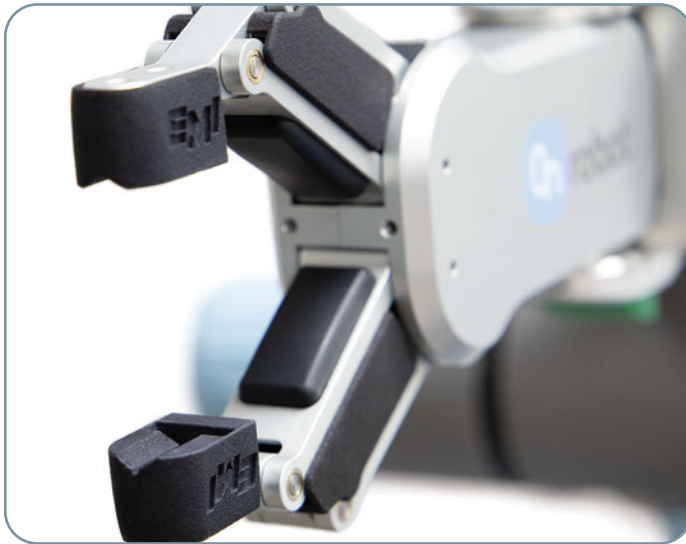


OnRobot RG2 Adaptive Gripper for Cobots

Easy finger tip replacement



Perfect for insert-loading applications



OnRobot's RG2 gripper has a dovetail style finger tip design which enables you to use custom fingers made for your application(s).

Replacement and optional RG2 items:



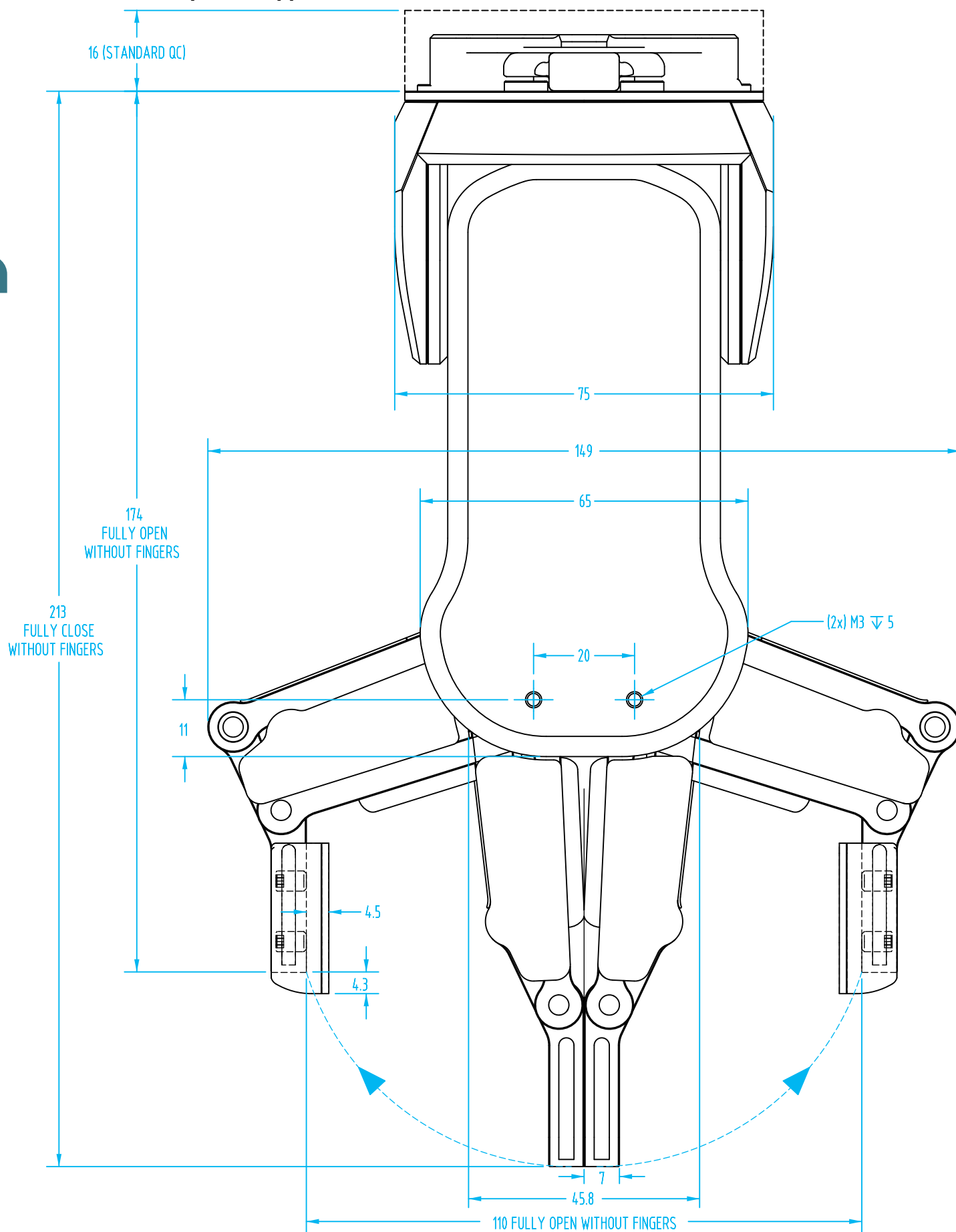
Quick#	Part#	Description	Price
8240	OR-100669	Standard Finger Tip	\$72.00
8272	OR-105871	X-Shape Finger Tip	\$109.00
8274	OR-106959	50mm Finger Extension	\$194.00
8275	OR-106960	100mm Finger Extension	\$194.00

Note: See EMI website for dimensional drawings.

Contact EMI for Custom Fingers: Cobots@Emicorp.com

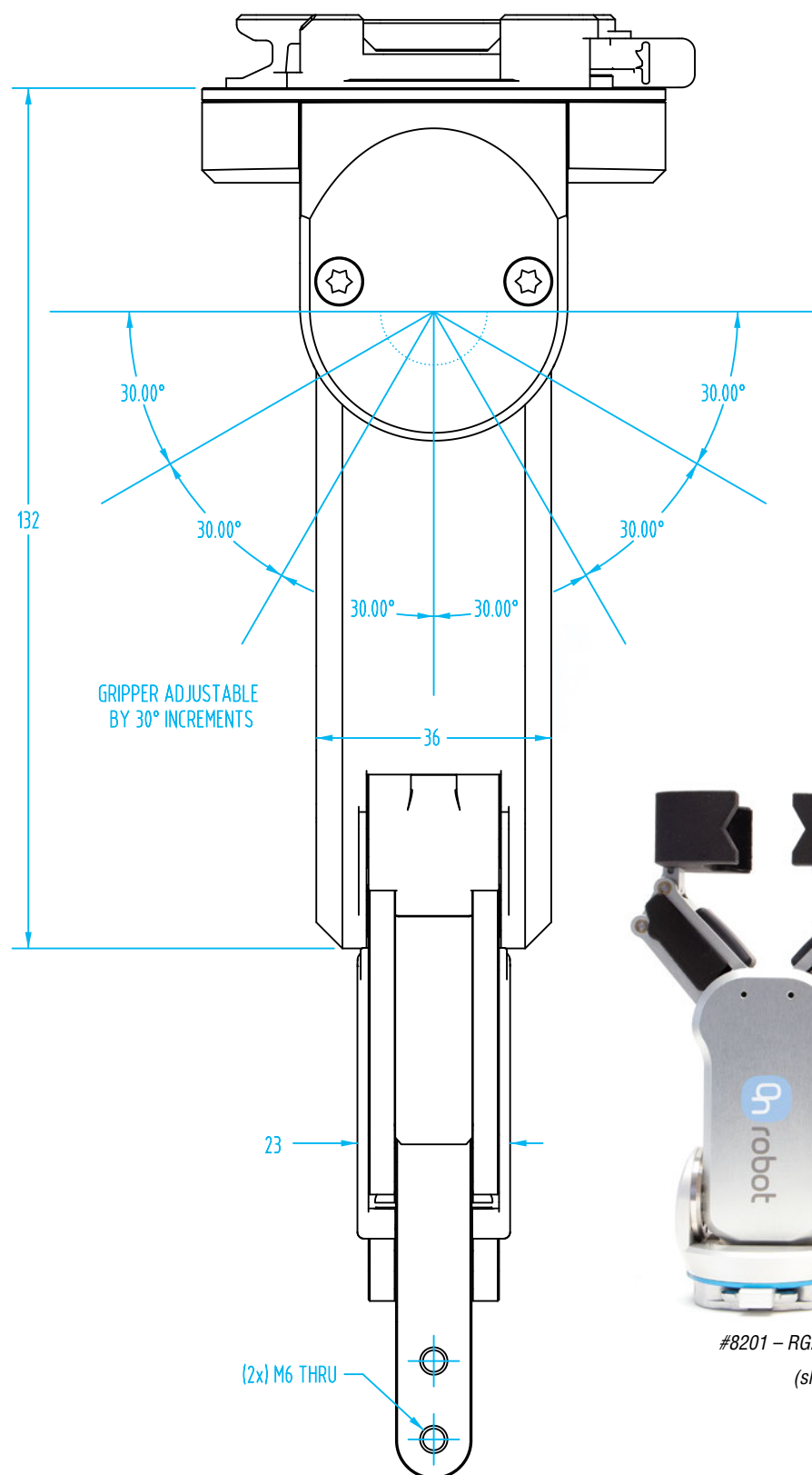
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(Dimensioned drawing shown full scale)



(Dimensioned drawing shown full scale)

OnRobot RG2 Adaptive Gripper



#8201 – RG2

#8202 – RG6

(shown with custom EMI fingers)