

OnRobot 2FG7 Parallel Gripper for Cobots



OnRobot's 2FG7 is a complete, off-the-shelf electric parallel gripper that can be deployed within minutes and requires no custom engineering for installation, programming, or maintenance.

This strong parallel gripper can be used in tight spaces and handles demanding payload requirements.

Quick# 8204

OR-106376

PRICE: \$4,201.⁰⁰

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

Try It Risk Free!

*Contact us for details



TMPlug&Play
CERTIFIED

Features:

- Grip detection / lost grip detection.
- Integrated software.
- Ready for use almost anywhere, with IP67 rating for harsh environments and ISO Class 5 certification for cleanroom use.

Technical Specs	
Total OD stroke (w/ stock fingers)	1–73mm
Total ID stroke (w/ stock fingers)	11–83mm
Payload with stock fingers (force fit)	15.43 lb (7kg)
Payload with custom fingers (form fit)	24.25 lb (11kg)
Repetition accuracy	± 0.1mm
Gripping force (adjustable)*	4.5 lbf – 31.5 lbf
Gripping force deviation	+/- 5%
Gripping speed**	16mm – 450mm /second
Gripping time***	200ms
Storage temperature	32° – 140°F
Weight	1100g (2.4 lb)
Power supply	20V – 25V
Max. Current consumption****	2000mA
Operating temperature	41° – 122°F

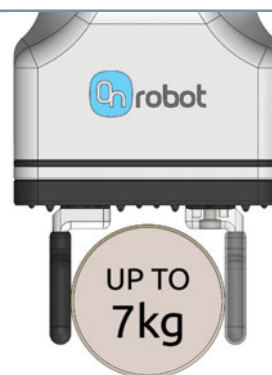
* The required current is 2000 mA, less current will result in less gripping force.

** Relatively from the gripping object (both arms).

*** At 4 mm stroke and 80 N. The typical value is 300 ms at 40 mm and 80 N.

**** Automatically adapts to the current requirements when UR CB3 tool connector is used (600mA).

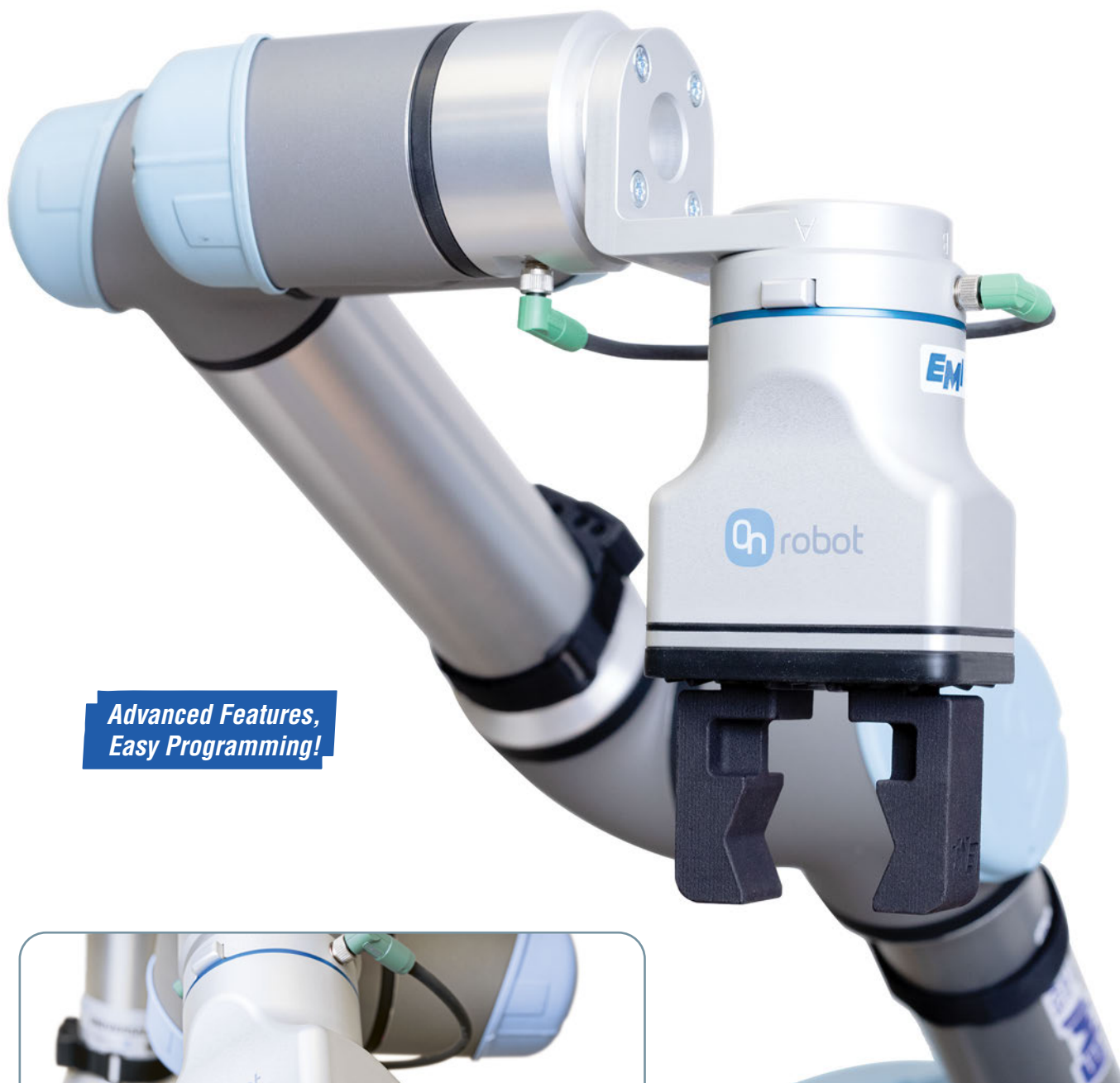
Force Fit:



Form Fit:



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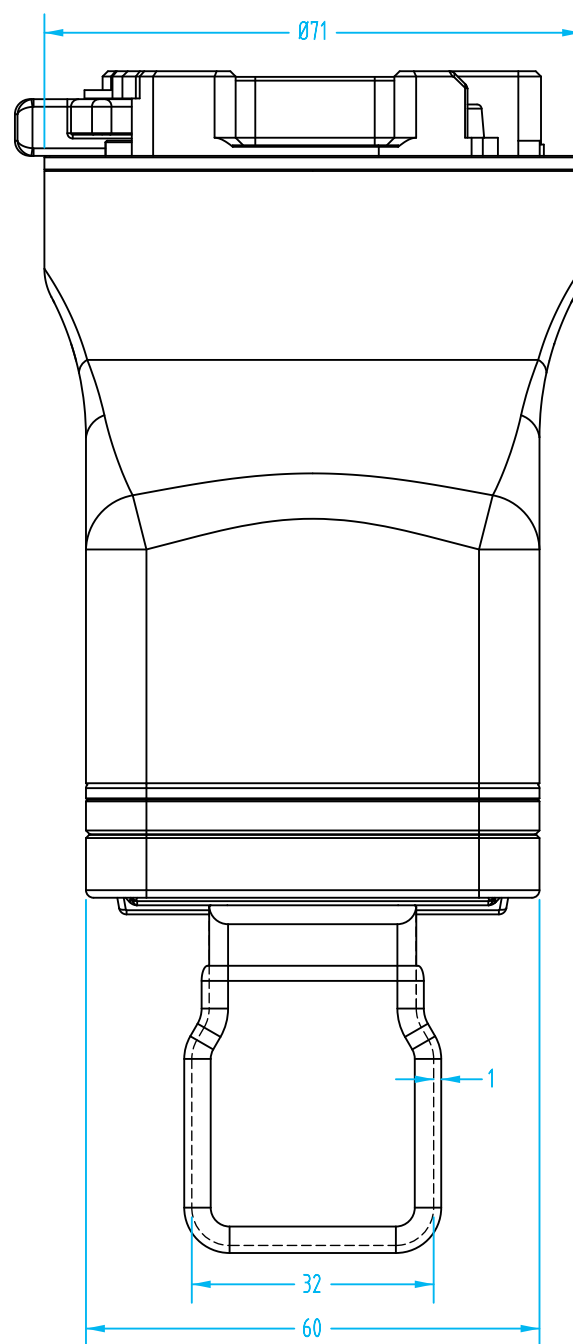
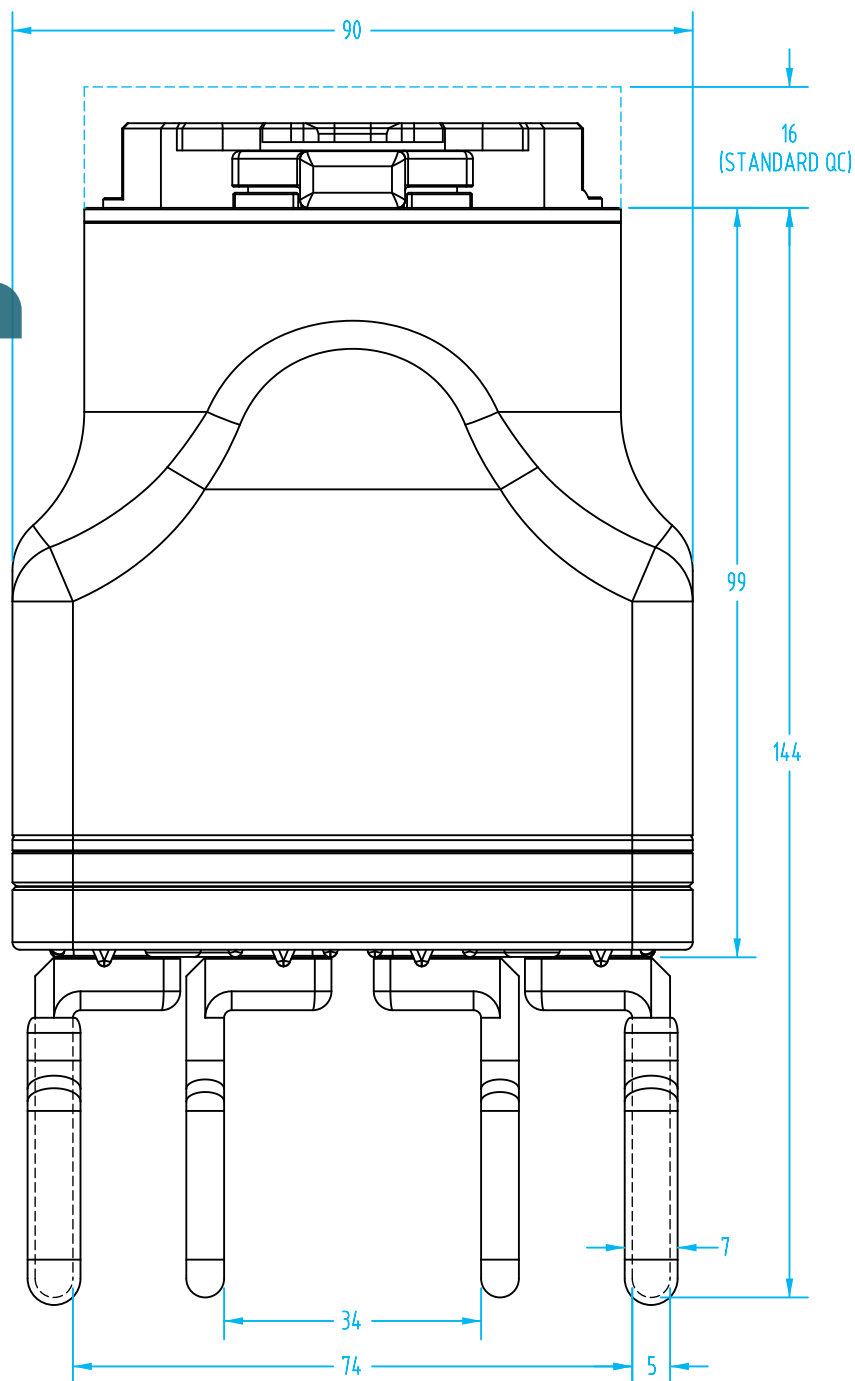
**Advanced Features,
Easy Programming!**



Shown with custom 3D printed fingers available from EMI.

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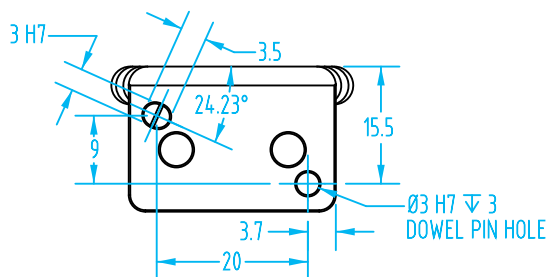
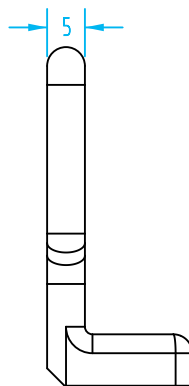
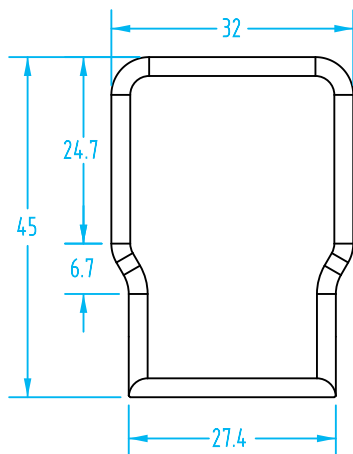
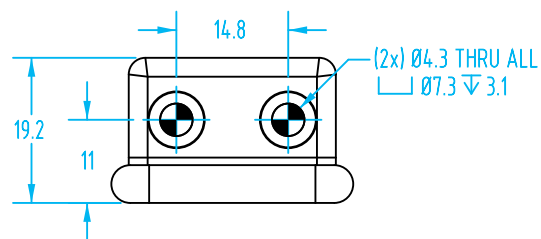
(Dimensioned drawing shown full scale)



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(Dimensioned drawing shown full scale)

2FG7 Replacement Fingers and Bellow



**In-Stock
Replacement Parts!**



#8295



#8296



#8297

Replacement 2FG7 Parts

Quick#	Part#	Description	Price
8295	OR-106553	2-Finger Kit (2pc plus hardware)	\$186.00
8296	OR-106559	Finger Sleeves (4pc)	\$72.00
8297	OR-106576	Bellow Kit (2pc)	\$72.00

Use Quick#s for easy online ordering.