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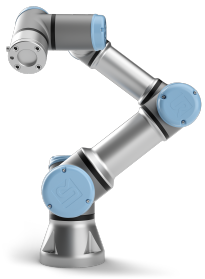
UR3e-540

Generation 7 · e-Series

Technical Data Sheet

Updated November 2026

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Robot Arm Specification

Maximum Payload	3 kg / 6.6 lb
Reach	540 mm / 21.3 in
Footprint	Ø128 mm / Ø5.04 in
Weight including cable	11.2 kg / 24.7 lb
Degrees of freedom	6 rotating joints
Joint architecture	2-1-3
Power Consumption	
Maximum power consumption	300 W
Average power consumption	150 W
Noise level	< 60 dB(A)
Control loop frequency	500 Hz
Safety functions	23 configurable safety functions
In compliance with	TÜV Rheinland EN ISO 13849-1 TÜV Rheinland EN ISO 10218-1 RoHS See Declaration of Incorporation
Robot materials	Aluminium, plastic, steel
Physical	
Tool flange	ISO 9409-1-50-4-M6

Tool flange specification

Force-torque sensing at tool flange	**Force, x-y-z**	**Torque, x-y-z**
Range	± 30.0 N	± 10.0 Nm
Precision	± 2.0 N	± 0.1 Nm
Accuracy	± 3.5 N	± 0.1 Nm

Electrical interfaces at tool flange	
Connector M8 I/O	
Connector type	M8 8-pin female
Digital in	2
Digital out	2
Analog in	2 or 1 x RS-485
Power supply voltage	12 or 24 Vdc
Power supply	600 mA

Motion

Maximum TCP speed	3 m/s
Pose repeatability per ISO 9283	± 0.03 mm

Axis movement	**Working range**	**Maximum speed**
Base	± 360°	± 180°/s
Shoulder	± 360°	± 180°/s
Elbow	± 160°	± 180°/s
Wrist 1	± 360°	± 360°/s
Wrist 2	± 360°	± 360°/s
Wrist 3	Infinite	± 360°/s

Operating environment

Operating temperature range	Ambient temperature 0-50 °C / 32-122 °F Reduced performance from 35 °C and up.
Humidity	≤ 90% RH (non-condensing)

Features

IP Classification	IP54
Integrated force-torque sensor at tool flange	yes
Arm mounting	Any orientation

Compatibility

Software	PolyScope X
Controller	CB7 Core CB7 Core Compact CB7 Core Compact 0.55m
Teach Pendant	TP7
Cables	Gen 7 Cables

Contact

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UR HQ phone	+45 89 93 89 89
UR email	sales@universal-robots.com
UR website	universal-robots.com

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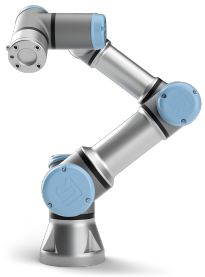
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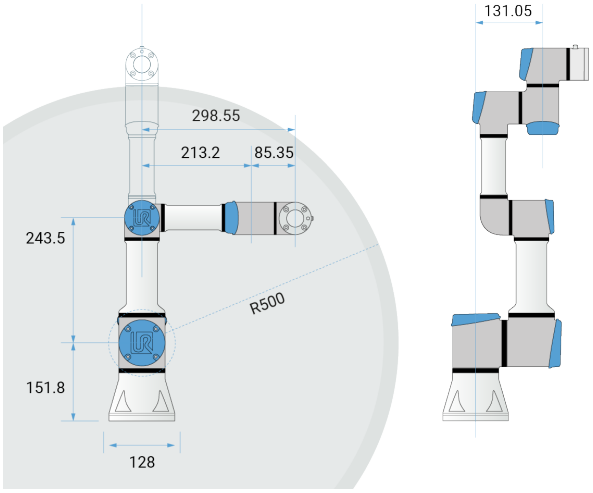
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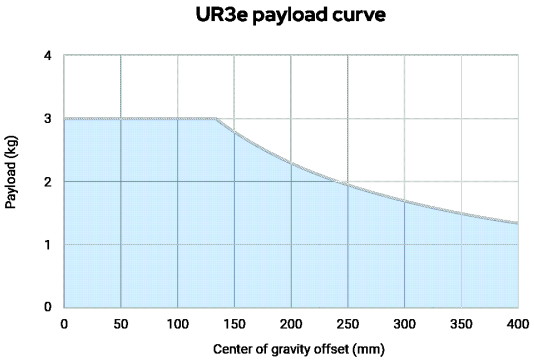


Dimensions and reach of UR3e-540



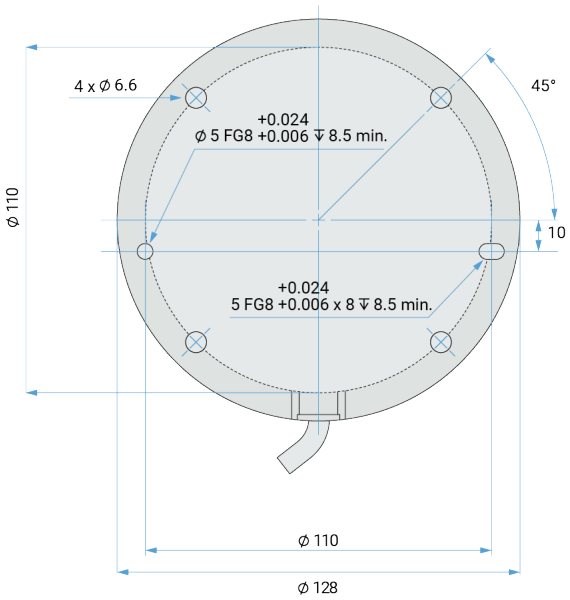
Maximum Payload

Payload [kg]

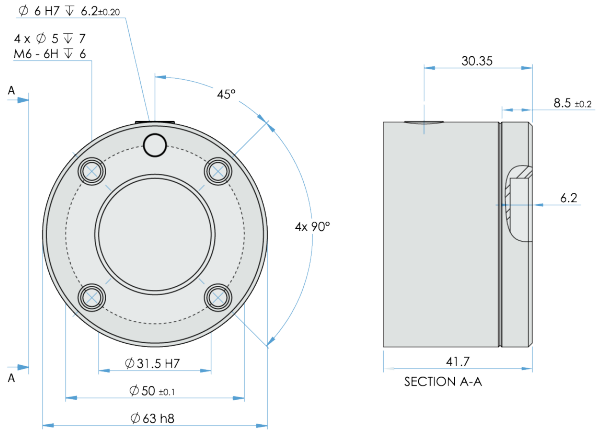


Center of gravity offset [mm]

Interface for UR3e-540 base flange



Tool flange for UR3e-540



UNLESS OTHERWISE SPECIFIED: Dimensions are in millimeters. Tolerance ± 0.1 mm ± 0.5°

November 2026

Contact

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