



UR15

General specification

Payload	15 kg / 33.1 lbs 17.5 kg / 38.58 lbs with boundary conditions according to the manual.
Reach	1300 mm / 51.18 in
Degrees of freedom	6 rotating joints
Programming	12-inch touchscreen with PolyScope graphical user interface
Power consumption	
Maximum power	550 W
Operating temperature range	Ambient temperature: 0-50 °C / 32-122 °F
Safety functions	23 configurable safety functions
In compliance with	EN ISO 13849-1 (PLd Category 3), EN ISO 10218-1 and UL 1740
Joint architecture	2-1-3

UR15 Robot Arm

Performance

Force sensing, tool flange/torque sensor	Force, x-y-z	Torque, x-y-z
Range	± 150.0 N	± 10.0 Nm
Precision	± 7.5 N	± 0.2 Nm
Accuracy	± 8.3 N	± 0.5 Nm

Movement

Maximum TCP speed	5 m/s	
Pose repeatability per ISO 9283	± 0.05 mm	
Axis movement	Working range	Maximum speed
Base	± 360°	± 180°/s
Shoulder	± 360°	± 180°/s
Elbow	± 360°	± 240°/s
Wrist 1	± 360°	± 300°/s
Wrist 2	± 360°	± 300°/s
Wrist 3	± 360°	± 300°/s



UR15

Technical specification

UR15. Sharp. Compact. Outsized performance at arm’s reach.

The UR15 is the most lightweight member of the UR Series surpassing the expectations for the most sought-after size representing a sweet spot within the collaborative robot market offering speed and dependability that easily fits in a variety of environments.

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Features

IP Classification	IP65
Cleanroom classification ISO 14644-1	Class 4 at ≤ 80%
<i>*Velocity and payload</i>	
Noise	< 67 dB(A)
Status identification	Light ring at robot base
Arm mounting	Any orientation
I/O Ports at tool flange	
Digital In	2
Digital Out	2
Analog In	2 or 1 x RS485
Power supply voltage	12/24 V
Power supply	2 A (Dual pin), 1 A (Single pin)

Physical

Footprint	Ø204 mm
Materials	Aluminum, plastic, steel
Tool flange	EN ISO 9409-1-50-4-M6
Connector type	M8 8-pin female
Cable length (robot arm)	6 m / 236 in
Weight without cable	40.7 kg / 89.73 lbs
Humidity	≤ 90% RH (non-condensing)

Contact

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3-Position Enabling Teach Pendant

Features

IP classification	IP54
Humidity	≤ 90% RH (non-condensing)
Display resolution	1280 x 800 pixels

Physical

Materials	Plastic
Teach pendant size (W x H x D)	300 mm x 231 mm x 50 mm / 11.8 in x 9.1 in x 1.97 in
Weight	1.8 kg / 3.968 lbs including 1 m of teach pendant cable
Cable length	4.5 m / 177.17 in

Control Box

Features

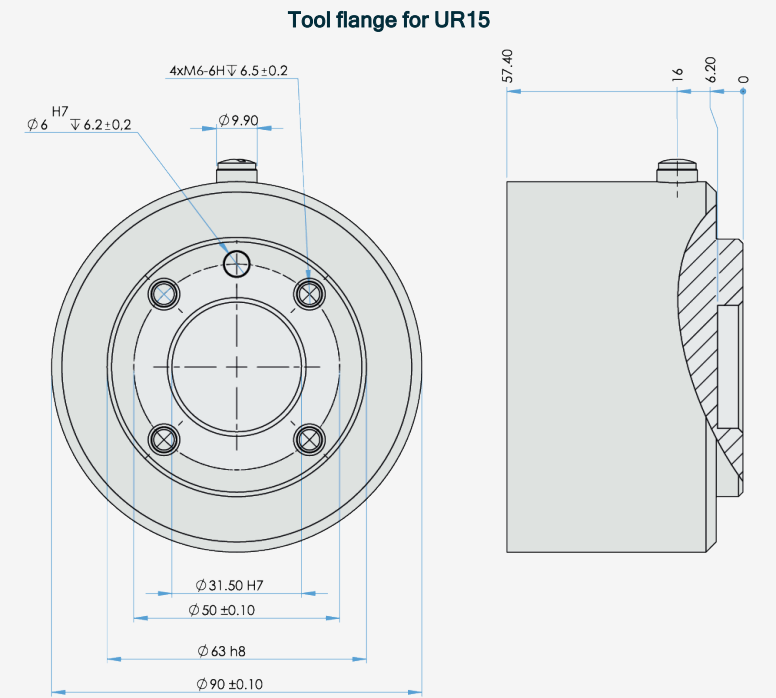
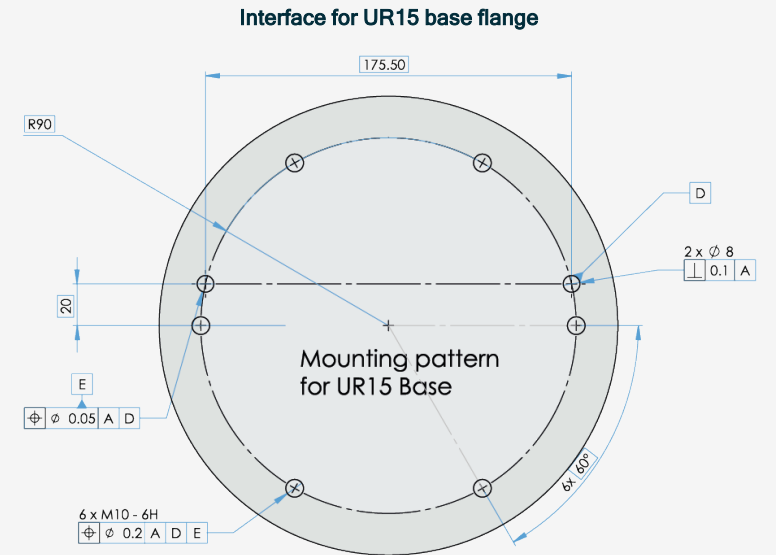
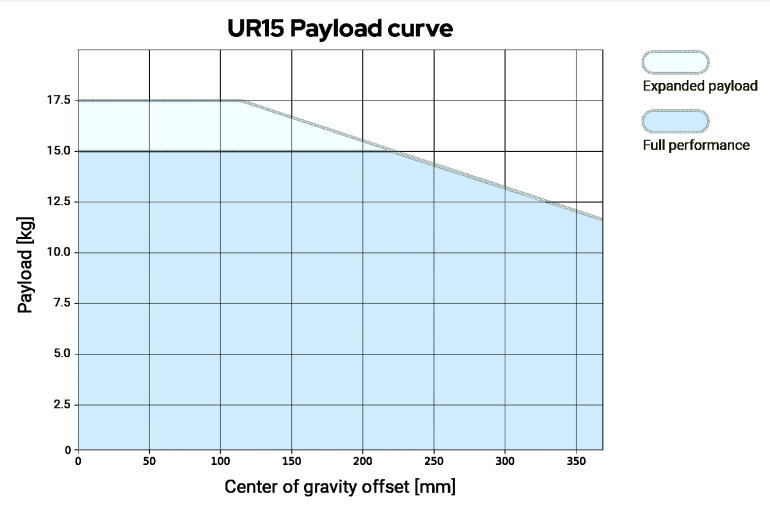
IP classification	IP44
Humidity	≤ 90% RH (non-condensing)
I/O Ports	
Digital In	16
Digital Out	16
Analog In	2
Analog Out	2
Quadrature digital inputs	4
I/O Power Supply	24 V, 2 A
Industrial protocols	Modbus TCP (Client/Server)
	Ethernet/IP Adapter
	PROFINET device, PROFIsafe
	ROS/ROS2
	Ethernet 1 Gb/s
Hardware interfaces	USB 2.0 USB 3.0
	Mini DisplayPort
	Injection Moulding Machine Interface (SPI AN-146 & Euromap-67)*
Power Source	100-240VAC, 47-440 Hz

**Only valid for OEM version.*

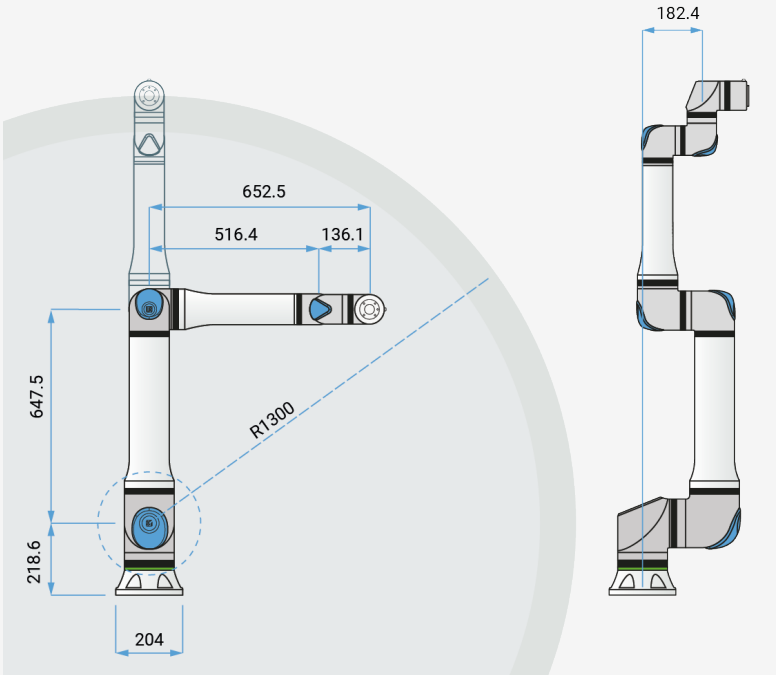
Physical

Control Box Size (W x H x D)	460 mm x 449 mm x 254 mm / 18.2 in x 17.6 in x 10 in
Weight	12 kg / 26.5 lbs
Materials	Powder coated steel

The control box is also available in an OEM version.



Dimensions and reach of UR15



September 2026

UNLESS OTHERWISE SPECIFIED:

Dimensions are in millimeters. Tolerance ± 0,1 mm ± 0,5°