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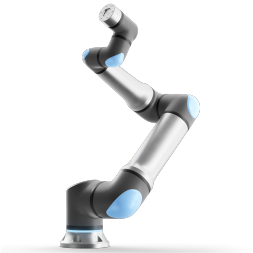
# UR30-1300

Generation 7 · UR Series

## Technical Data Sheet

Updated November 2026

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## Robot Arm Specification

| | |
|---|---|
| Maximum Payload | 30 kg / 66.1 lb<br>35 kg / 77.2 lb with boundary conditions according to the manual. |
| Reach | 1300 mm / 51.18 in |
| Footprint | Ø245 mm / Ø9.65 in |
| Weight without cable | 63.5 kg / 140.0 lb |
| Degrees of freedom | 6 rotating joints |
| Joint architecture | 2-1-3 |
| **Power Consumption** | |
| Maximum power consumption | 750 W |
| Average power consumption | 300 W |
| Noise level | < 67 dB(A) |
| Control loop frequency | 500 Hz |
| Safety functions | 23 configurable safety functions |
| In compliance with | TÜV Rheinland EN ISO 13849-1<br>TÜV Rheinland EN ISO 10218-1<br>RoHS<br>See Declaration of Incorporation<br>UL 1740 |
| Robot materials | Aluminium, plastic, steel |
| **Physical** | |
| Tool flange | EN ISO-9409-1-80-6-M8 |

## Tool flange specification

| **Force-torque sensing at tool flange** | **Force, x-y-z** | **Torque, x-y-z** |
|---|---|---|
| Range | ± 200.0 N | ± 20.0 Nm |
| Precision | ± 5.5 N | ± 0.2 Nm |
| Accuracy | ± 10.0 N | ± 1.0 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 | 2 A (dual pin), 1 A (single pin) |

## Motion

| | | |
|---|---|---|
| Maximum TCP speed | 4 m/s | |
| Pose repeatability per ISO 9283 | ± 0.1 mm | |
| **Axis movement** | **Working range** | **Maximum speed** |
| Base | ± 360° | ± 120°/s |
| Shoulder | ± 360° | ± 120°/s |
| Elbow | ± 360° | ± 150°/s |
| Wrist 1 | ± 360° | ± 210°/s |
| Wrist 2 | ± 360° | ± 210°/s |
| Wrist 3 | ± 360° | ± 210°/s |

## Operating environment

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

## Features

| | |
|---|---|
| IP Classification | IP65 |
| Integrated force-torque sensor at tool flange | yes |
| Arm mounting | Any orientation |

## Compatibility

| | |
|---|---|
| Software | PolyScope X |
| Controller | CB7 Core<br>CB7 Core Compact<br>CB7 Core Compact 0.55m |
| Teach Pendant | TP7 |
| Cables | Gen 7 Cables |

## Contact


| | |
|---|---|
| UR HQ address | Teradyne Robotics A/S<br>Energivej 51<br>5260 Odense, Denmark |
| UR HQ phone | +45 89 93 89 89 |
| UR email | sales@universal-robots.com |
| UR website | universal-robots.com |

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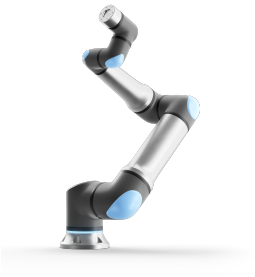
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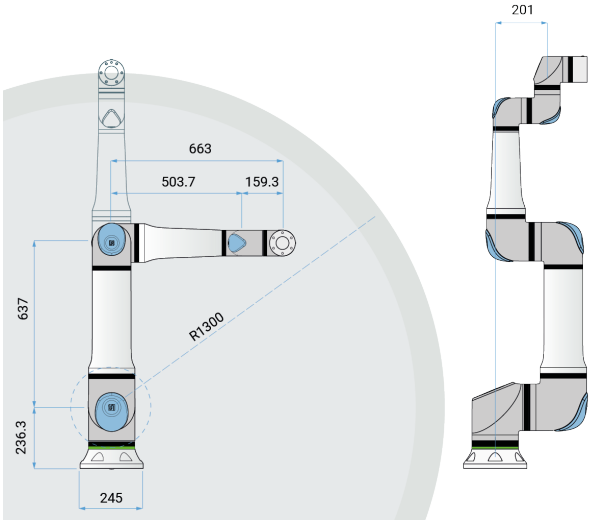
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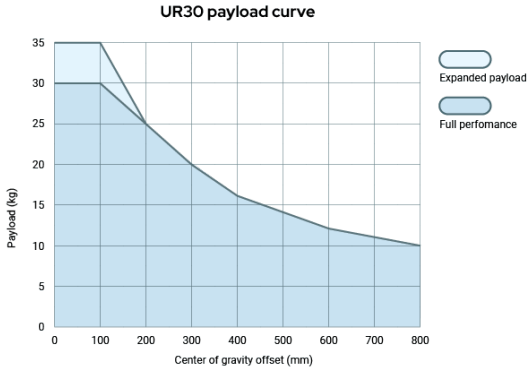


### Dimensions and reach of UR30-1300



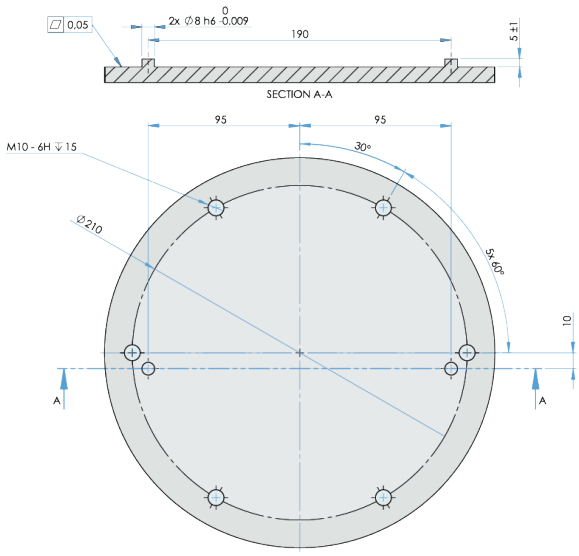

### Maximum Payload

Payload [kg]

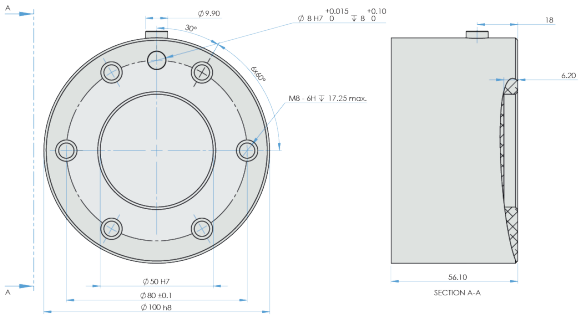



Center of gravity offset [mm]

### Interface for UR30-1300 base flange




### Tool flange for UR30-1300




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

November 2026

## Contact

UR HQ address

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