LBR iisy 6 R1300



Basic data

Kinematic type	Articulated robot
Cobot	Yes
Safety requirements	Category 3 and Performance Level d in accordance with EN ISO 13849-1

Technical data

Maximum reach	1300 mm
Rated payload	6 kg
Maximum payload	6.9 kg
Pose repeatability (ISO 9283)	± 0.05 mm
Number of axes	6
Mounting position	Floor; Ceiling; Wall; Desired angle
Footprint	275 mm x 275 mm
Weight	approx. 46.3 kg

Axis data

Motion range	
A1	±185 °
A2	-230 ° / 50 °
A3	±150 °
A4	±180 °
A5	±110 °
A6	±220 °
Speed with rated payload	
A1	200 °/s
A2	200 °/s
A3	200 °/s
A4	230 °/s
A5	260 °/s
A6	430 °/s

Operating conditions

Ambient temperature during operation	0 °C to 45 °C (273 K to 318 K)

Protection rating

Protection rating (IEC 60529)	IP54

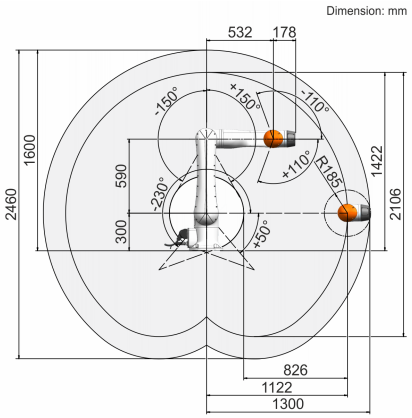
Controller

Controller	KR C5 micro

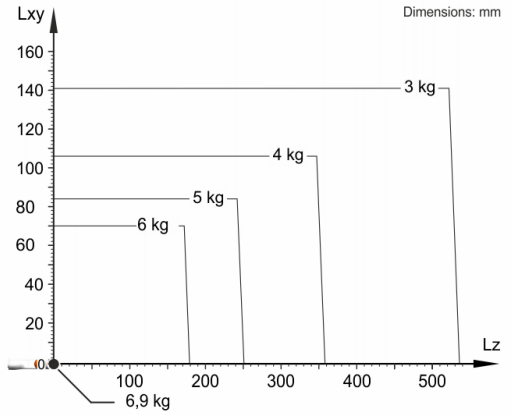
Certificates

ESD requirements	IEC61340-5-1; ANSI/ESD S20.20

Workspace graphic

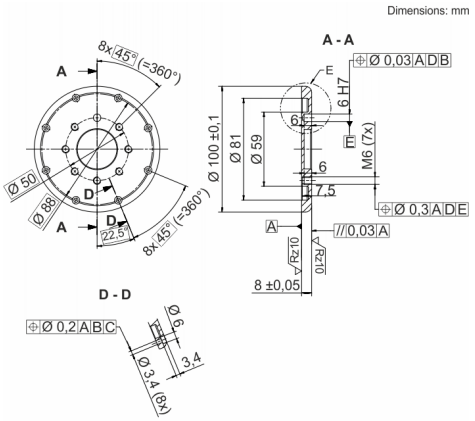


Payload diagram



The LBR iisy 6 R1300 is designed for a rated payload of 6 kg in order to optimize the dynamic performance of the robot. The maximum payload of 6.9 kg only applies if the position of the center of mass is 0 mm. The specific load case must be verified using KUKA.Load or KUKA Compose. For further consultation, please contact KUKA Support.

Mounting flange



The robot has an internal energy supply system from axis 1 to axis 6 for use by the customer with 8 control cables and a 1 Gbit Ethernet cable.

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered and services performed is determined by the subject matter of the specific contract. No liability accepted for errors or omissions.
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