KR 6 R900-2

Technical data

Maximum reach	901 mm
Maximum payload	6.7 kg
Pose repeatability (ISO 9283)	± 0.02 mm
Number of axes	6
Mounting position	Floor; Ceiling; Wall; Desired angle
Footprint	208 mm x 208 mm
Weight	approx. 55 kg

Axis data

Motion range	
A1	±170 °
A2	-190 ° / 45 °
A3	-120 ° / 156 °
A4	±185 °
A5	±120 °
A6	±350 °

Operating conditions

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

Protection rating

Protection rating (IEC 60529)	IP65 / IP67
Protection rating, robot wrist (IEC 60529)	IP65 / IP67

Controller

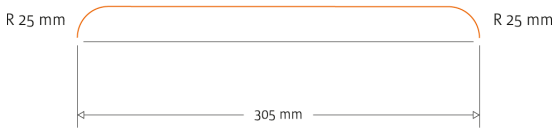
Controller	KR C5 micro; KR C4 compact

Certificates

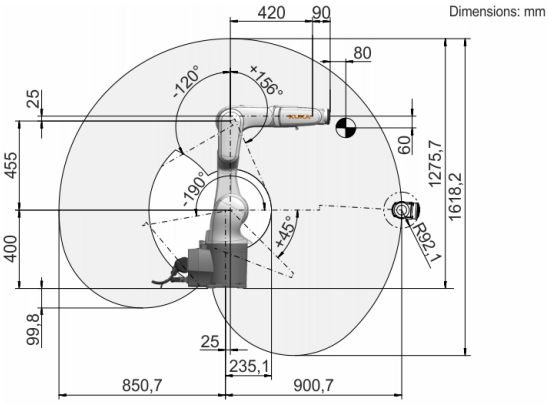
ESD requirements	IEC61340-5-1; ANSI/ESD S20.20

Cycle time

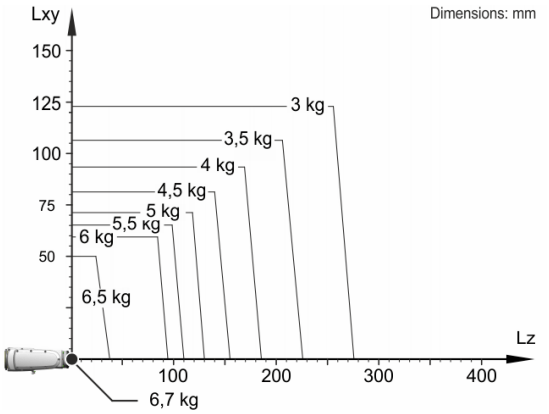
150 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)



Workspace graphic

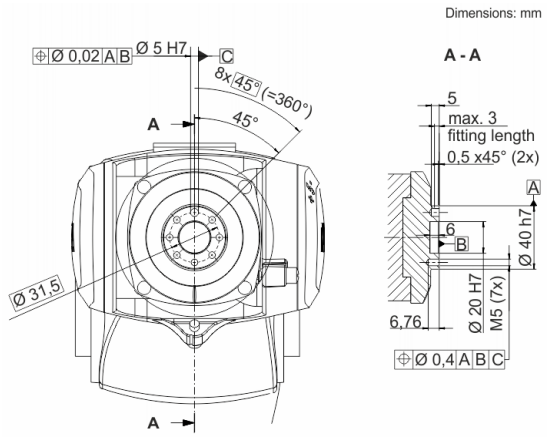


Payload diagram



The KR 6 R900-2 is designed for a rated payload of 3 kg in order to optimize the dynamic performance of the robot. The maximum payload of 6.7 kg applies only if the position of the center of mass is 0 mm and a supplementary load optimized for the load case is mounted. The specific load case must be verified using KUKA.Load or KUKA Compose. For further consultation, please contact KUKA Support.

Mounting flange



0000-290-001 / V12.1 / 18.10.2021 / en
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