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KR 20 R1810 F



Technical data

Maximum reach	1813 mm
Rated payload	20 kg
Maximum payload	23.9 kg
Maximum supplementary load, rotat- ing column / link arm / arm	20 kg / 15 kg / 15 kg
Pose repeatability (ISO 9283)	± 0.04 mm
Number of axes	6
Mounting position	Floor; Ceiling; Wall; Desired angle
Footprint	430.5 mm x 370 mm
Weight	approx. 250 kg

Axis data

Motion range	
A1	±185 °
A2	-185 ° / 65 °
A3	-138 ° / 175 °
A4	±350 °
A5	±130 °
A6	±350 °
Speed with rated payload	
A1	200 °/s
A2	175 °/s
A3	190 °/s
A4	430 °/s
A5	430 °/s
A6	630 °/s

Operating conditions

Ambient temperature during opera-	5 °C to 45 °C (278 K to 318 K)
tion	

Protection rating

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

Controller

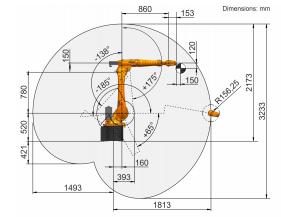
Controller	KR C5;
	KR C4

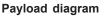
Certificates

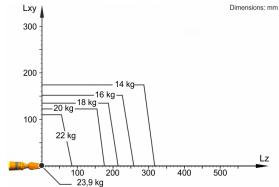
ESD requirements

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

Workspace graphic

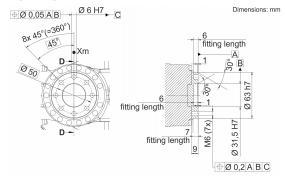






The KR 20 R1810 F is designed for a rated payload of 20 kg in order to optimize the dynamic performance of the robot. The maximum payload of 23.9 kg applies only if the position of the center of mass is 0 mm and a supplementary load optimized for the load case is mounted. The specific load case must be verified using KUKA.Load or KUKA Compose. For further consultation, please contact KUKA Support.

Mounting flange



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