

Maximum reach	3202 mm
Rated payload	1000 kg
Maximum payload	1000 kg
Maximum supplementary load, rotating column / link arm / arm	0 kg / 0 kg / 100 kg
Pose repeatability (ISO 9283)	± 0.1 mm
Number of axes	6
Mounting position	Floor
Footprint	2000 mm x 2000 mm
Weight	approx. 4700 kg

Motion range		
A1		±150 °
A2	-130 ° / 17.5 °	
A3	-110 ° / 145 °	
A4		±350 °
A5		±118 °
A6		±350 °
Speed with rated payload		
A1		58 °/s
A2		50 °/s
A3		50 °/s
A4		60 °/s
A5		60 °/s
A6		72 °/s

Ambient temperature during operation	10 °C to 55 °C (283 K to 328 K)
--------------------------------------	---------------------------------

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

Controller KR C4

Technical drawing of the KUKA KR 1000 R392 robot arm, showing dimensions in mm. The drawing includes a side view and a top view. Key dimensions include a total height of 3702 mm, a base width of 1502 mm, and a reach of 3202 mm. Joint angles are specified as -110° , $+145^\circ$, -130° , and $+17,5^\circ$. A radius of R392 is indicated for the end effector's path.

A graph showing the relationship between L_{xy} (Y-axis, 0 to 500 mm) and L_z (X-axis, 0 to 700 mm) for different weights. The curves represent the maximum L_{xy} for a given L_z and weight. The weights are 800 kg, 840 kg, 880 kg, 920 kg, 960 kg, and 1000 kg. The curves show that for a given weight, the maximum L_{xy} decreases as L_z increases. The curves are labeled with their respective weights.

The KR 1000 titan F is designed for a rated payload of 1000 kg in order to optimize the dynamic performance of the robot. With reduced load center distances and favorable supplementary loads, a maximum payload of up to 1000 kg can be mounted. The specific KUKA Load case must be verified using KUKA. For further consultation, please contact KUKA Service.

Technical drawing of a 200mm diameter cast iron flange. The drawing includes a side view on the left and a top view on the right.

Dimensions (mm):

- Overall diameter: $\varnothing 250$
- Central bore diameter: $\varnothing 200$
- Mounting hole diameter: $\varnothing 12$
- Mounting hole depth: 26.9
- Flange thickness: 1.5
- Overall height: 372
- Mounting hole pitch circle diameter: $\varnothing 180$
- Mounting hole diameter: $\varnothing 12$
- Mounting hole depth: 26.9
- Flange thickness: 1.5
- Overall height: 372

Technical Specifications:

- Material: GG-25
- Surface finish: Ra 1.6
- Mounting holes: 16x $\varnothing 12$
- Central bore: $\varnothing 200$