


# KUKA | Xpert

Identification number: AR6197

货号	0000-183-873
材料状态	60 - 客户服务
制造商	KUKA Roboter
产品图片	

# Spare parts

Pos.	Article number	Designation	Component
1	0000-182-728	IW 16 arc HW	In-line wrist

Export to Excel 

# 技术数据

## 基本数据

	KR 16 arc HW
轴数	6
可控制的轴数	6
工作空间体积	15.44 m <sup>3</sup>
位姿重复精度 (ISO 9283)	± 0.04 mm
重量	约 245 kg
额定负荷	16 kg
最大负载能力	-
最大运动范围	1636 mm
防护等级 (IEC 60529)	IP54
机器人腕部防护等级 (IEC 60529)	IP54
噪声等级	< 75 dB (A)
安装位置	地面
占地面积	-
运动系统安装面布孔图	C500
允许倾角	-
标准色	底座： 黑色 (RAL 9005); 活动部件： 库卡橙色 2567
控制系统	KR C4; KR C2 edition2005
变压器名称	KR C2: KR16HW C2 FLR ZH16HW; KR C4: KR16HW C4 FLR ZH16HW

# 环境条件

湿度等级 (EN 60204)	-
环境条件分类 (EN 60721-3-3)	3K3
环境温度	
运行时	10 °C 至 55 °C (283 K 至 328 K)
仓储和运输时	-40 °C 至 60 °C (233 K 至 333 K)

# 轴数据

运动范围	
A1	±185 °
A2	-155 ° / 35 °
A3	-120 ° / 154 °
A4	±165 °
A5	±130 °
A6	-
额定负载时的速度	
A1	200 °/s
A2	200 °/s
A3	195 °/s
A4	370 °/s
A5	310 °/s
A6	610 °/s

# 负载能力

额定负荷	16 kg
最大负载能力	-
法兰 <b>I<sub>x</sub></b> 额定质量转动惯量	0.36 kgm <sup>2</sup>
法兰 <b>I<sub>y</sub></b> 额定质量转动惯量	0.36 kgm <sup>2</sup>
法兰 <b>I<sub>z</sub></b> 额定质量转动惯量	0.36 kgm <sup>2</sup>
底座的额定附加负载	0 kg
底座的最大附加负载	0 kg
转盘的额定附加负载	0 kg
旋转机构的最大附加负载	20 kg
大臂的额定附加负载	0 kg
大臂的最大附加负载	20 kg
小臂的额定附加负载	12 kg
小臂的最大附加负载	15 kg
负载重心额定距离	
<b>L<sub>xy</sub></b>	80 mm
<b>L<sub>z</sub></b>	120 mm

# 地基负载

纵向动力 <b>F(v)</b>	
<b>F(v 正常)</b>	-
<b>F(vmax)</b>	4600 N
横向动力 <b>F(h)</b>	
<b>F(h 正常)</b>	-
<b>F(hmax)</b>	5000 N
倾覆力矩 <b>M(k)</b>	
<b>M(k 正常)</b>	-
<b>M(kmax)</b>	5200 Nm
轴 2 转矩 <b>M(r)</b>	
<b>M(r 正常)</b>	-
<b>M(rmax)</b>	4200 Nm

垂直力  $F(v)$ 、水平力  $F(h)$ 、倾斜力矩  $M(k)$ 、轴 1 的转矩  $M(r)$

# Flange loads

## Flange loads

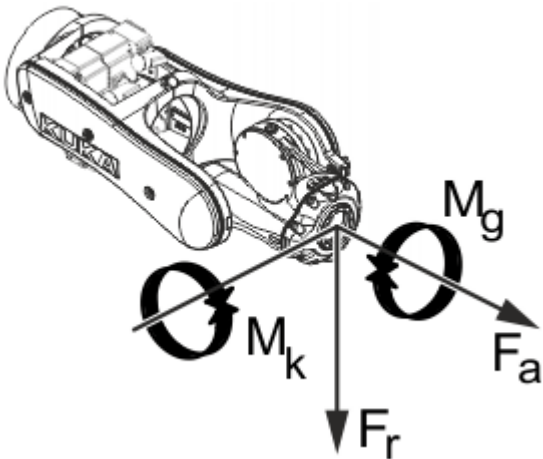
Due to the motion of the payload (e.g. tool) mounted on the robot, forces and torques act on the mounting flange. These forces and torques depend on the motion profile as well as the mass, load center of gravity and mass moment of inertia of the payload.

The specified values refer to nominal payloads at the nominal distance and do not include safety factors. It is imperative for the load data to be entered in the robot controller. The robot controller takes the payload into consideration during path planning. A reduced payload does not necessarily result in lower forces and torques.

The values are guide values determined by means of trial and simulation and refer to the most heavily loaded machine in the robot family. The actual forces and torques may differ due to internal and external influences on the mounting flange or a different point of application. It is therefore advisable to determine the exact forces and torques where necessary on site under the real conditions of the actual robot application.

The operating values may occur permanently in the normal motion profile. It is advisable to rate the tool for its fatigue strength.

The EMERGENCY STOP values may arise in the event of an Emergency Stop situation of the robot. As these should only occur very rarely during the service life of the robot, a static strength verification is usually sufficient.



### Flange loads

Flange loads during operation	
<b>F(a)</b>	500 N
<b>F(r)</b>	460 N
<b>M(k)</b>	85 Nm

<b>M(g)</b>	70 Nm
<b>Flange loads in the case of EMERGENCY STOP</b>	
<b>F(a)</b>	555 N
<b>F(r)</b>	690 N
<b>M(k)</b>	130 Nm
<b>M(g)</b>	80 Nm

Axial force  $F(a)$ , radial force  $F(r)$ , tilting torque  $M(k)$ , torque about mounting flange  $M(g)$



# 关税信息

统计货号	84795000
原产地	DE
制造商	-
重量	245 kg

- > **KR 16 arc HW** 带有如下的标准组件 (1)
- > **KR 16 arc HW** 带有如下的工具 (5)
- > **KR 16 arc HW** 有以下选项 (32)
- > **KR 16 arc HW** 带有如下的标准组件 (3)
- > **KR 16 arc HW** 需要 (17)