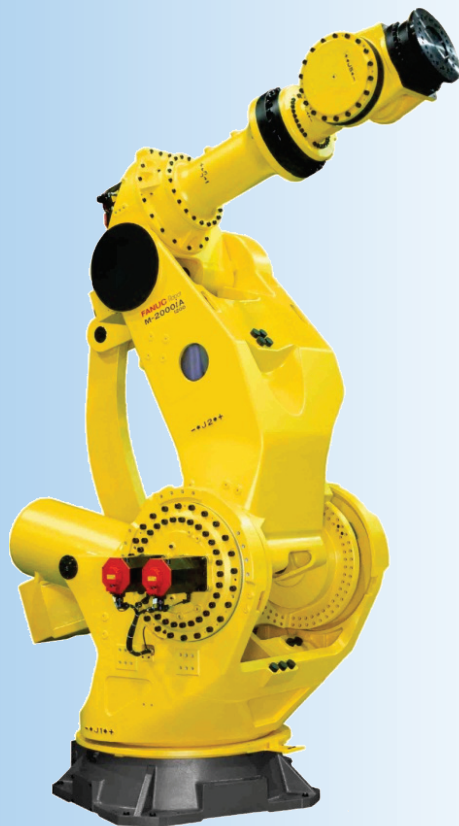
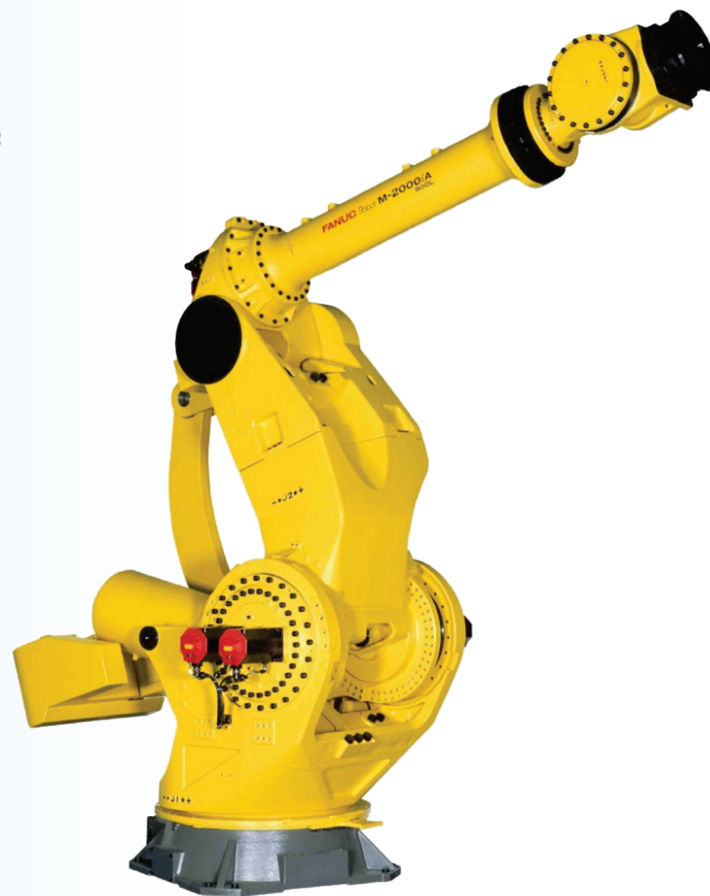


FANUC机器人 M-2000*i*A/900L

M-2000*i*A 系列机型

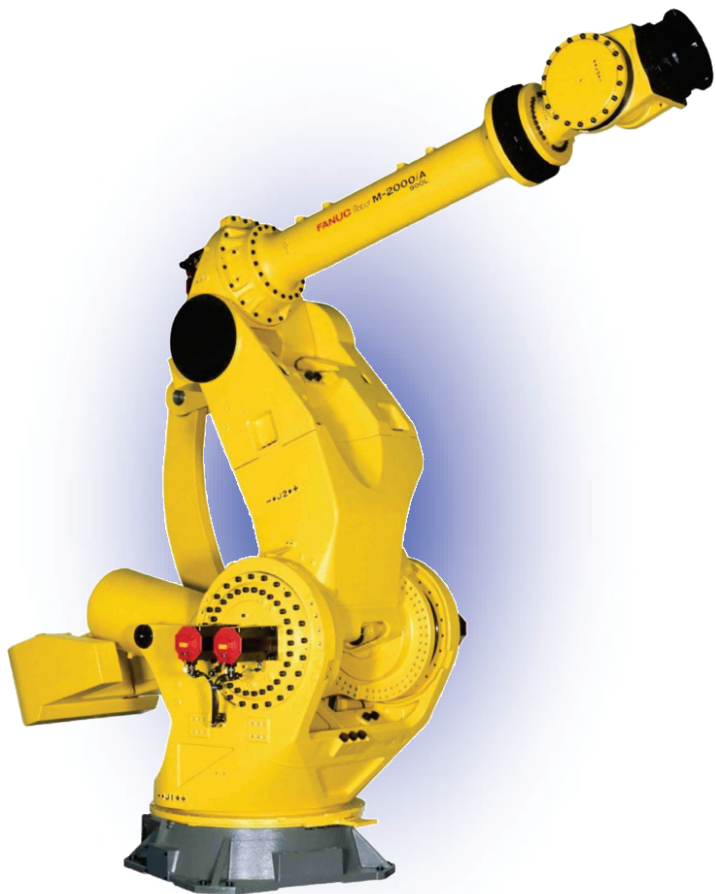


M-2000*i*A/1200



M-2000*i*A/900L

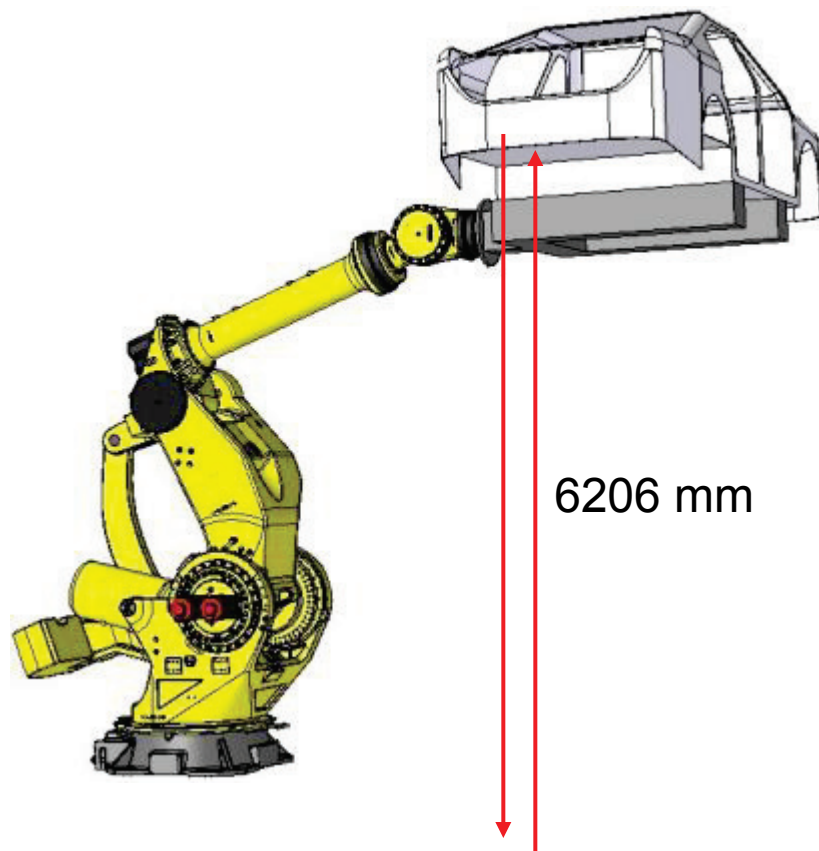
M-2000iA/900L 特性



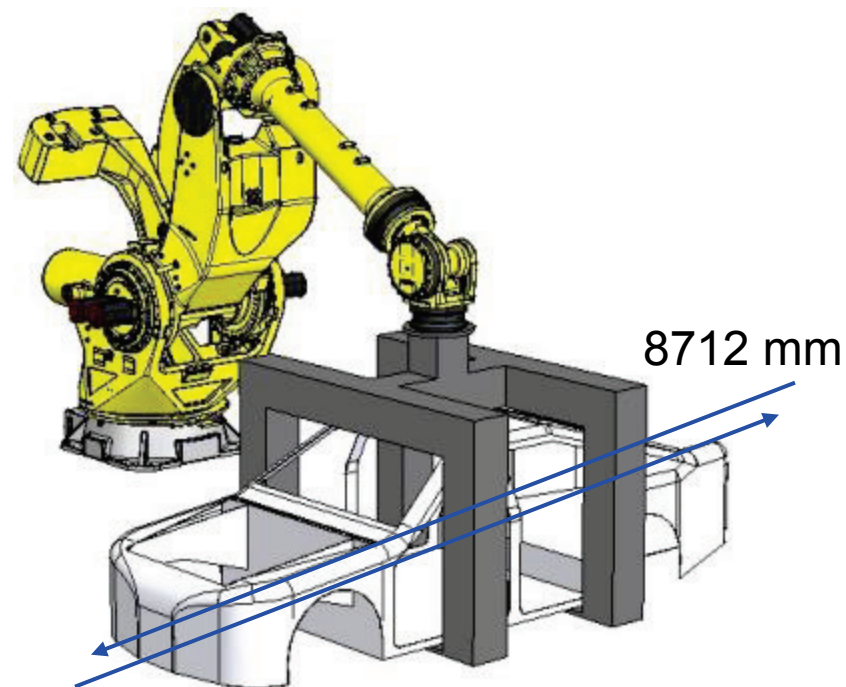
- ◆ 手腕负载**900** kg
- ◆ 动作范围广，可达半径**4683** mm
- ◆ 抓取车身的升降范围达**6206** mm
- ◆ 适用于超重或大型工件搬运
- ◆ 手臂部达到**IP67**的防护等级

M-2000iA/900L

应用示例



车身的升降输送



车身的水平输送

应用示例



推土机框架的搬运

应用示例



大型钢结构工件的协调焊接

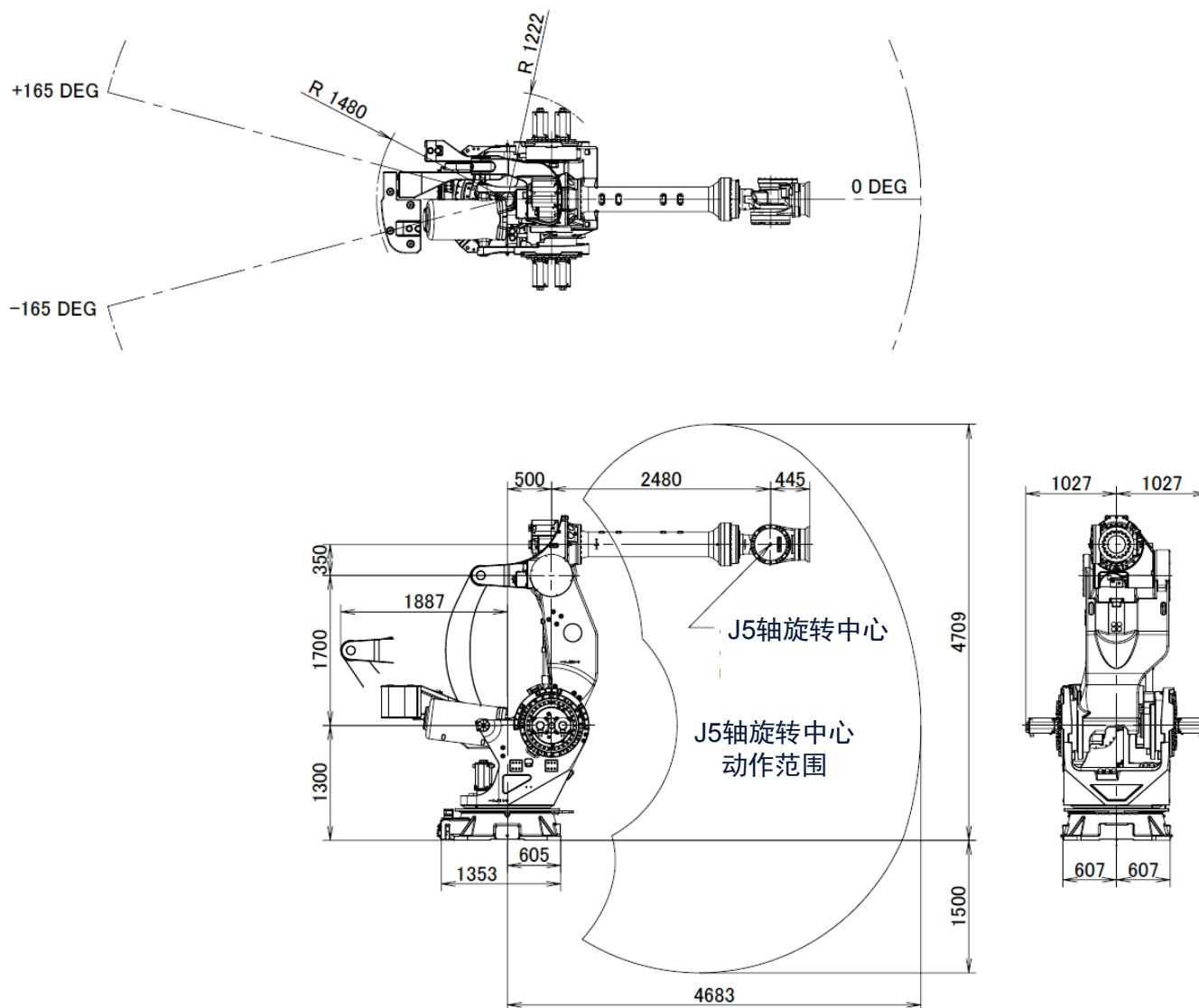
规格

型号	M-2000iA/900L					
机构	多关节型机器人					
控制轴数	6 轴 (J1, J2, J3, J4, J5, J6)					
可达半径	4683 mm					
安装方式	地面安装					
动作范围 (注释1) (最高速度)	J1	330° (45°/s)	J2	160° (30°/s)	J3	165° (30°/s)
	J4	720° (50°/s)	J5	250° (50°/s)	J6	720° (70°/s)
手腕部最高运动速度	2000 mm/s					
手腕部最大负载	900 kg					
J3手臂部最大负载 (注释2)	50 kg					
手腕允许负载转矩	J4	14700 Nm	J5	14700 Nm	J6	4900 Nm
手腕允许负载惯量	J4	2989 kgm ²	J5	2989 kgm ²	J6	2195 kgm ²
驱动方式	交流伺服电机驱动					
重复定位精度	± 0.5 mm					
机器人质量 (注释3)	9600 kg					
输入电源功率 (平均功耗)	30 kVA (8 kW)					
安装条件	环境温度 : 0 ~ 45°C 环境湿度 : 通常在75% RH以下 (无结露现象), 短期在95% RH以下 (1个月之内) 振动加速度: 4.9 m/s ² (0.5G)以下					
	注释1) 短距离运动时, 可能达不到各轴的最高标称速度。 注释2) J3手臂部最大负载受腕部负载限制。 注释3) 不含机器人控制器的质量。					

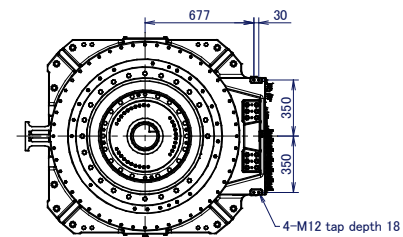
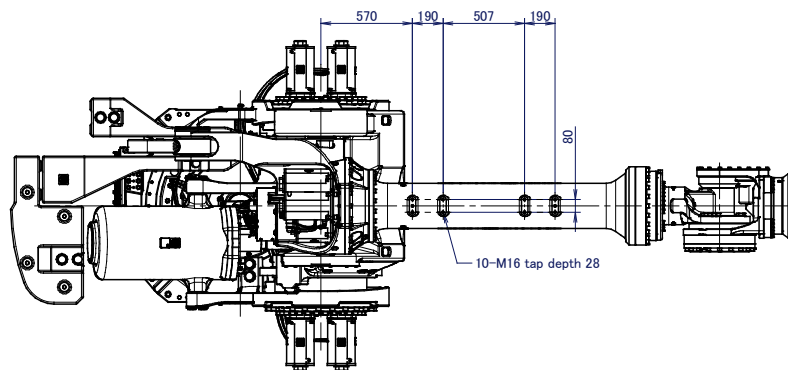
防尘和防液性能

	防尘防液等级	
	标准	防尘防液强化组件
手腕部 + J3手臂	IP67	IP67
主体部分的可动部	IP66	IP66
其他机构部	IP54	IP56

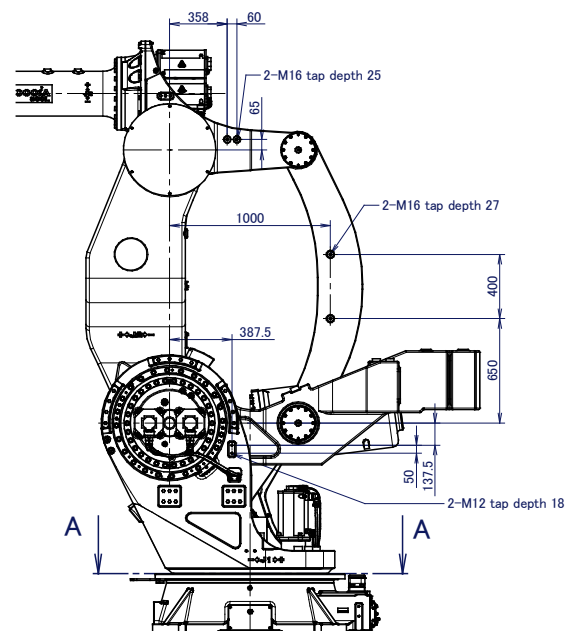
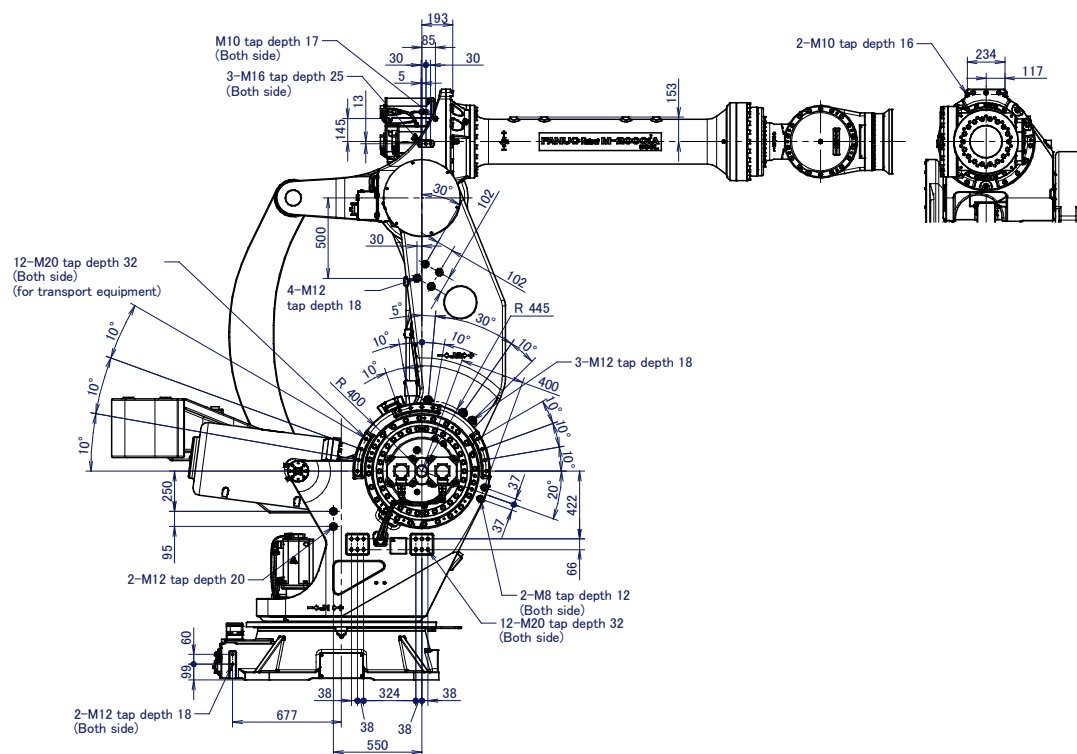
运动范围和外形尺寸



设备安装面尺寸



SECTION A-A



Technical drawing of a mechanical part showing three views: front, side, and top.

Front View: Shows a circular flange with 16 holes. The overall diameter is 445. The central hole is labeled with a tolerance of ± 0.046 and a depth of 0. The flange has a thickness of 19.

Side View: Shows the flange with a thickness of 19. The central hole is labeled with a tolerance of ± 0.046 and a depth of 0. The flange has a thickness of 19.

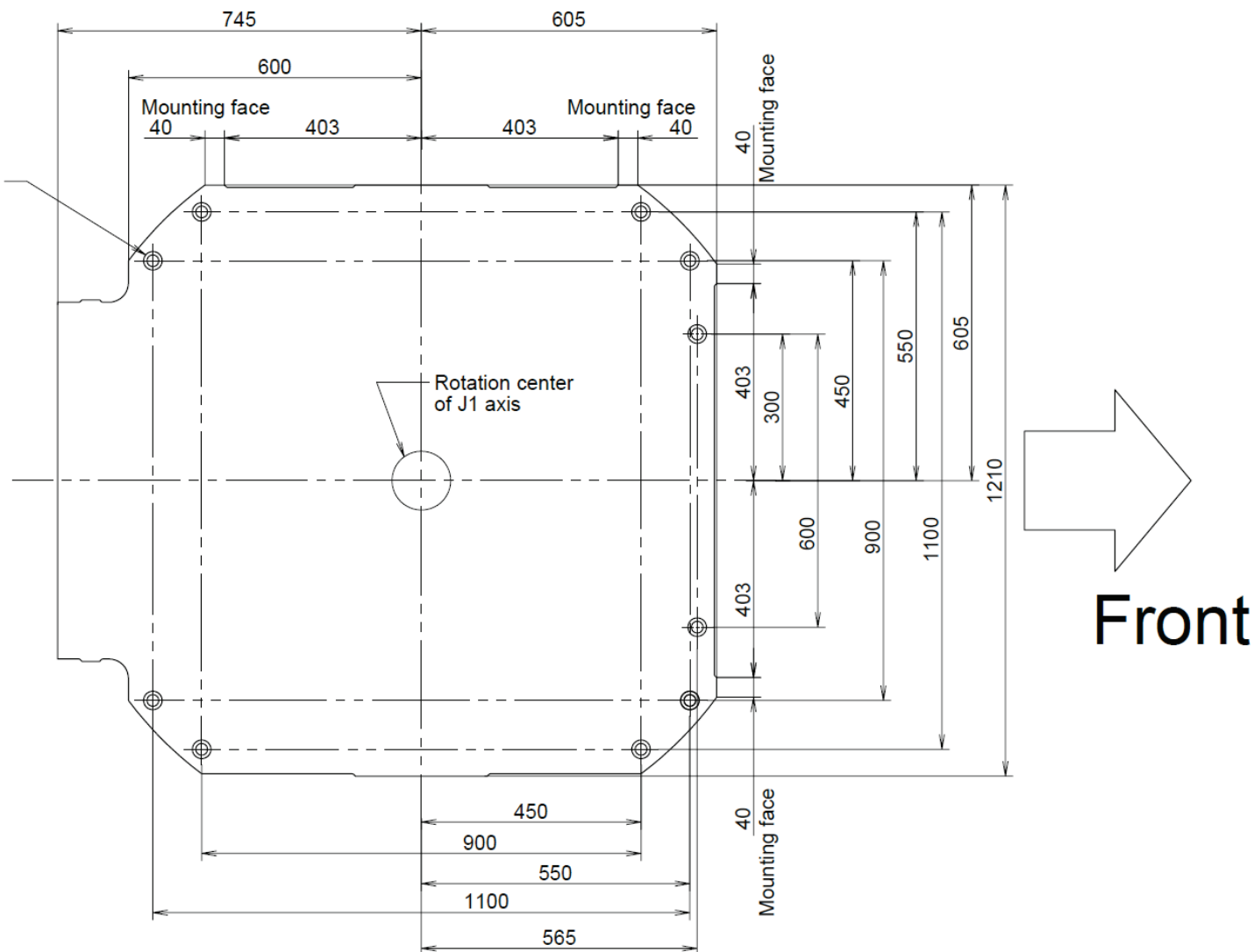
Top View: Shows the circular flange with 16 holes. The overall diameter is 445. The central hole is labeled with a tolerance of ± 0.046 and a depth of 0. The flange has a thickness of 19.

Section A-A: A cross-section view of the flange, showing the internal structure and the central hole. The central hole is labeled with a tolerance of ± 0.046 and a depth of 0. The flange has a thickness of 19.

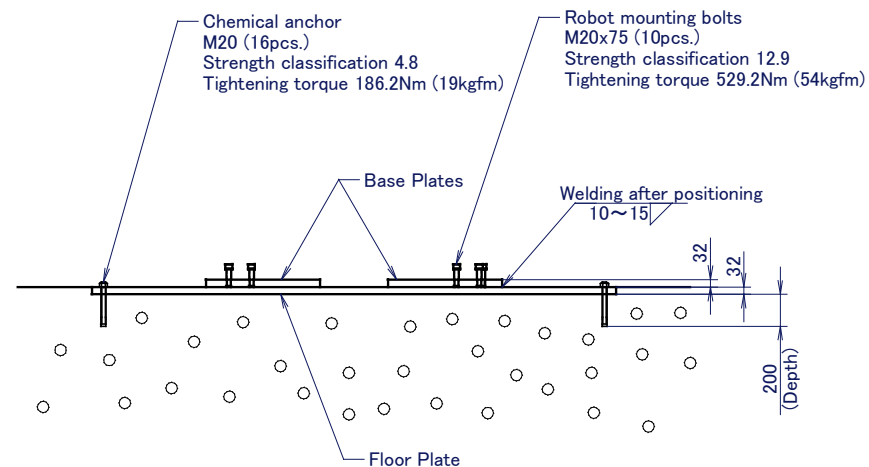
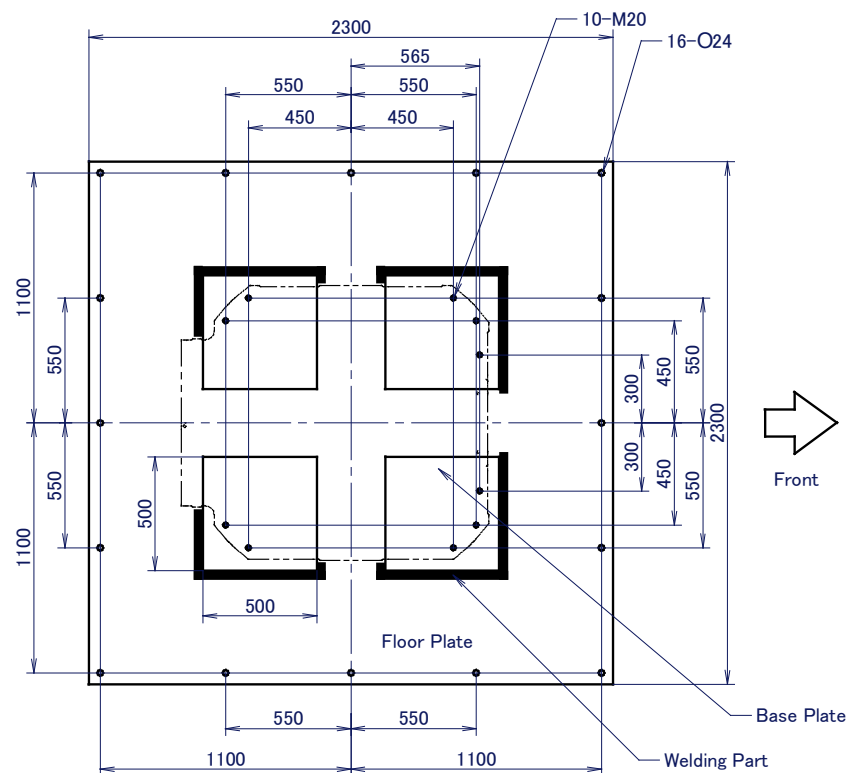
Dimensions and Tolerances:

- Overall diameter: 445
- Central hole diameter: ± 0.046
- Flange thickness: 19
- Section A-A: ± 0.046 (depth 0)

For fixing robot
10- $\varnothing$ 24 through
 $\varnothing$ 38 facing depth 5



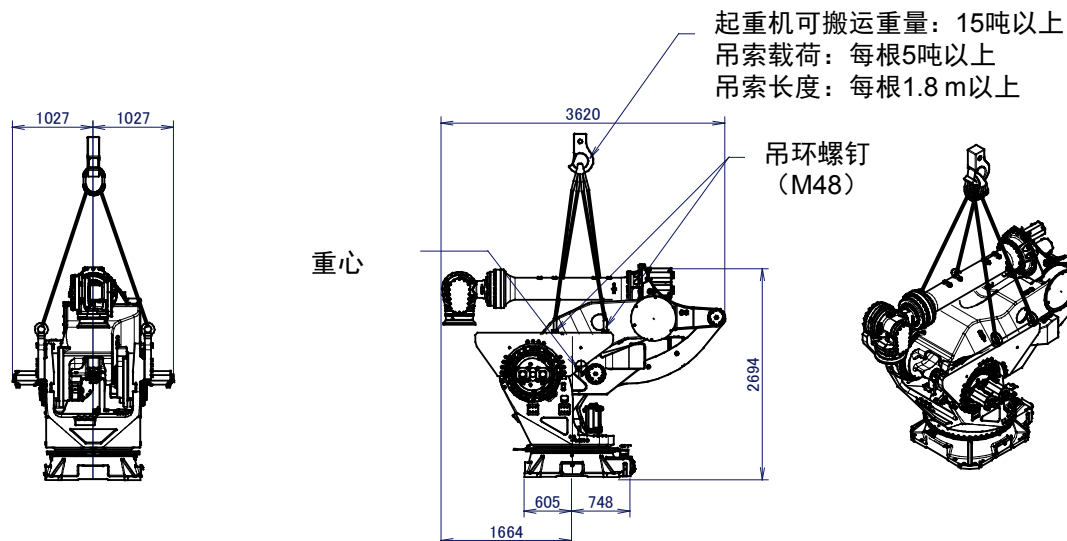
机座安装面尺寸(2/2)



NOTE) Bury the floor plate in concrete.

运送方式

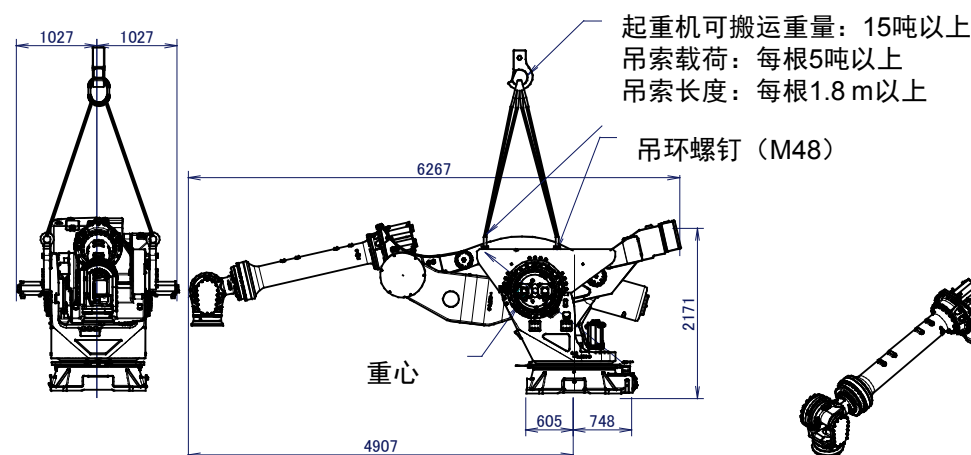
常规运送



机器人运送姿势

J1:	0°
J2:	-65°
J3:	0°
J4:	0°
J5:	-90°
J6:	0°

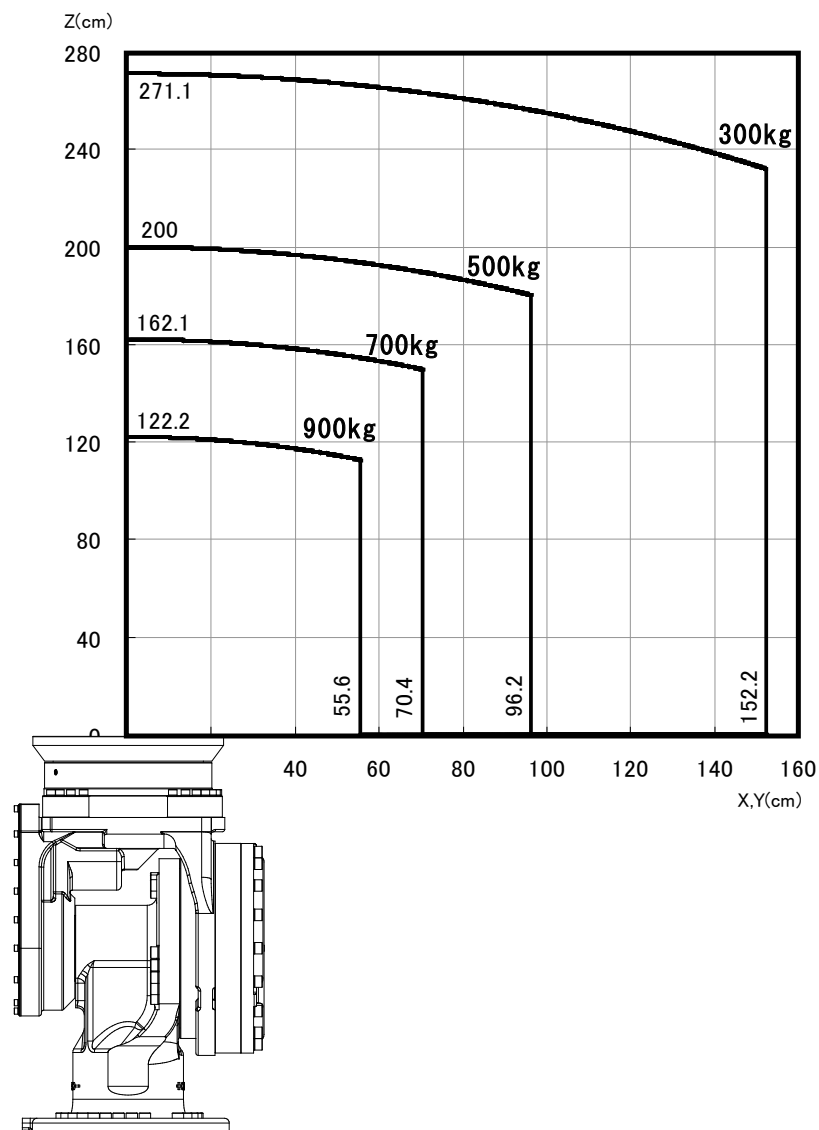
集装箱运送



机器人运送姿势

J1:	0°
J2:	83°
J3:	-13°
J4:	0°
J5:	-77°
J6:	0°

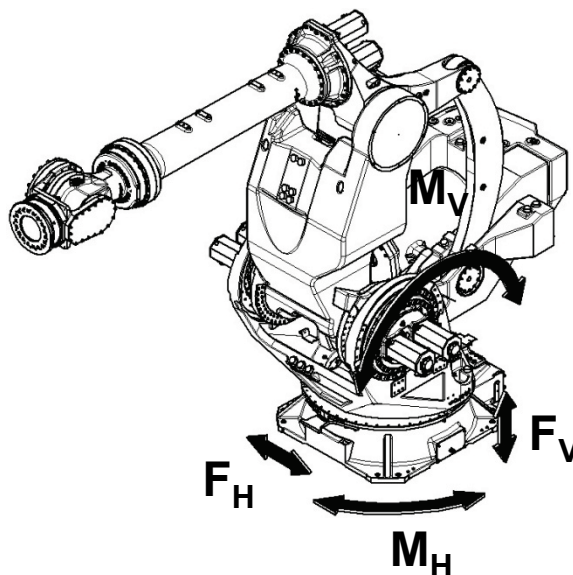
手腕允许负载曲线图



机座承受载荷

断电急停状态下，机座承受力和力矩

垂直力矩 M_V (kNm)	垂直力 F_V (kN)	水平力矩 M_H (kNm)	水平力 F_H (kN)
233.2	127.4	35.3	28.4



谢 谢

FANUC

您的机器人专家

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