



Load 210Kg

SF BIOTIC Series | High-Payload Robot

Model :SF210-K2650

The SF BIOTIC is a high-load class of industrial robots with lightweight construction and excellent control technology that significantly increases productivity per unit time. In addition, powerful drives and a wide range of optional configurations ensure.

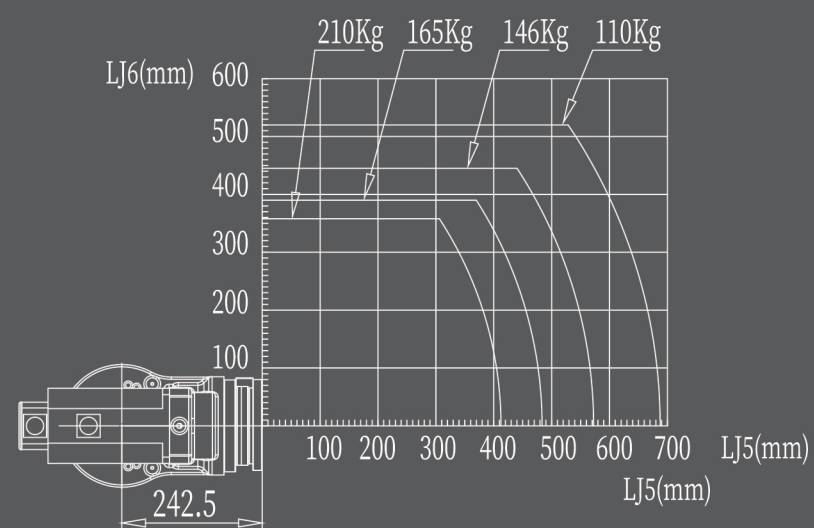
The SF BL0TIC series stands proud in the high-load industrial sector. CHALFU industrial robots offer flexible cost savings and high-performance solutions. It is ideally suited for tasks with loads up to 210 kg.

For this reason, it is particularly suitable for handling, palletizing-submerged arc welding, picking/packaging, and assembly/distribution applications. The performance is excellent in terms of space, availability, repeatability, and repeatability.

Market application



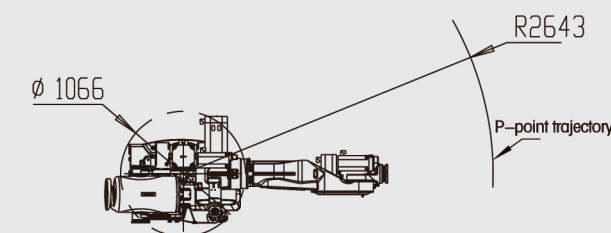
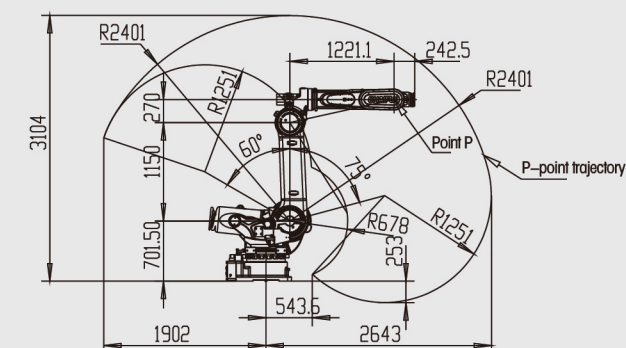
SF210-C2650 Wrist load torque chart



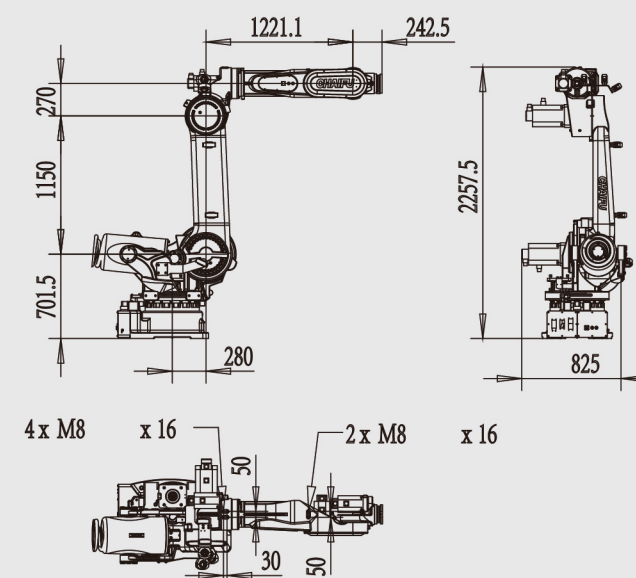
SF210-K2650 Data Overview

Model		SF210-K2650
Structure		Vertically Articulated
Number of Axis		6
Radius		2650mm
Payload		210kg
Repeatability		±0.06mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	110 ⁰ /s
	J2	83 ⁰ /s
	J3	99 ⁰ /s
	J4	158 ⁰ /s
	J5	206 ⁰ /s
	J6	300 ⁰ /s
Range of Motion	J1	±180 ⁰
	J2	+50 ⁰ /-75 ⁰
	J3	+90 ⁰ /-70 ⁰
	J4	±185 ⁰
	J5	±120 ⁰
	J6	±360 ⁰
Allowable Moment	J4	1301N.M
	J5	1301N.M
	J6	706N.M
Allowable Inertia	J4	138kg.m2
	J5	138kg.m2
	J6	70 kg.m2
Protection Rating		IP 65
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s2
	Other	Eliminate Signal Noise
Base Size		750*520mm
Height		2257.5mm
Weight		1460KG
Mounting Positions		Floor
Power Consumption		7.5kVA

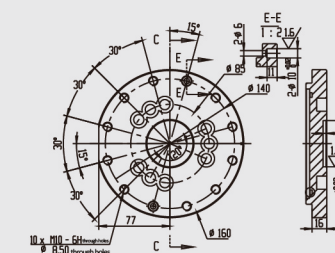
SF210-K2650 Range of Motion



External & Installation Dimensions



A-Way Diagram (End Flange Mounting Dimensions)



B-Way Diagram (Base Mounting Dimensions)

