

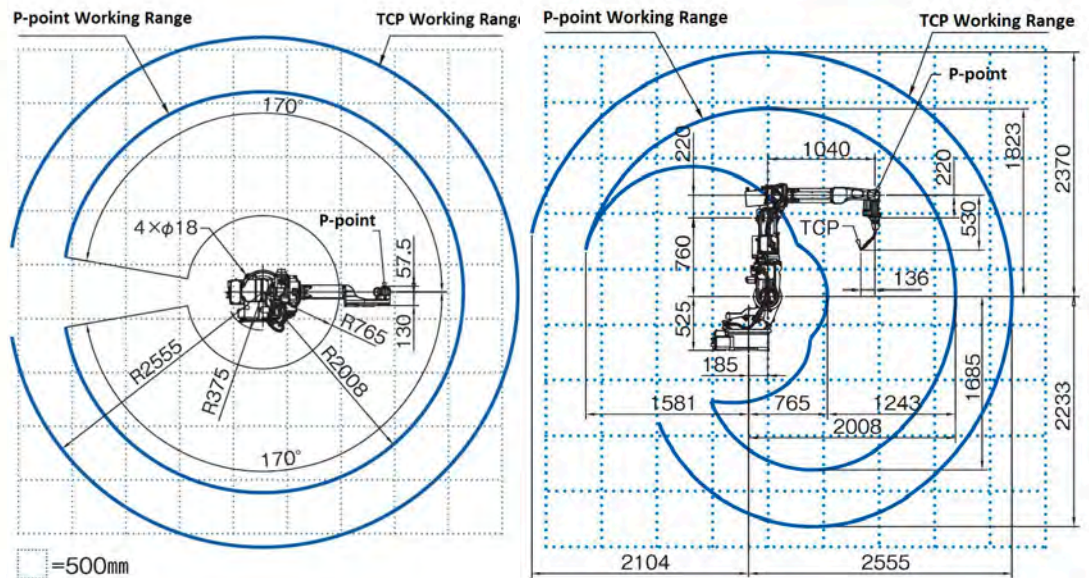
FD-B4LS

Built-in 7-axis robot cable realizing maximum ease of use, long type

- Simple manual operation is realized by making full use of synchro motion technology for teaching of 7-axis robot, which tends to be complicated
- World first! Built-in welding power cable on 7th axis. Do not mind interference with jigs and workpieces teachable.
- Since it is a long type, it can be applied from small articles to large work



[Manipulator operating range diagram]



[Manipulator specifications]

		FD-B4LS
Construction		Vertical multi-joint
Number of axes		7
Payload		4kg
Position repeatability		±0.08mm(Note1)
Driving method		AC Servomotor
Driving capacity		5650W
Position feedback		Absolute value encoder
Working range	Arm	J1(Rotation1) ±170°
		J2(Lower arm) -145° ~+75°
		J7(Rotation2) ±90°
		J3(Upper arm) -170° ~+154°
	Wrist	J4(Swing) ±155°
		J5(Bending) -45° ~+225° (Note2)
Maximum speed	Arm	J1(Rotation1) 3.40rad/s[195°/s]
		J2(Upper arm) 3.49rad/s[200°/s]
		J7(Rotation2) 2.79rad/s[160°/s]
		J3(Upper arm) 3.49rad/s[200°/s]
	Wrist	J4(Swing) 7.33rad/s[420°/s]
		J5(Bending) 7.33rad/s[420°/s]
	J6(Twist) 10.5rad/s[600°/s]	

		FD-B4LS
Wrist Allowable Load	Allowable Moment	J4(Swing) 10.1N·m
		J5(Bending) 10.1N·m
		J6(Twist) 2.94N·m
	Allowable Moment of inertia	J4(Swing) 0.38kg·m ²
		J5(Bending) 0.38kg·m ²
		J6(Twist) 0.03kg·m ²
Arm Cross-sectional Area		5.28m ² × 340°
Ambient Conditions		Temp: 0~45°C, Hmd: 20~80%RH (No condensation)
Mass (weight)		321kg
Upper Arm Payload Capacity		10kg(Note3)
Installation Type		floor
Paint Color		White (Munsell value 10 GY 9/1)

Note) 1. Repeatability accuracy is in conformity with JIS - B - 8 4 3 2. It is the value at the standard tool center point (T C P).
 2. The operating range of the J 6 axis may be controlled by the attitude of J 5 axis.
 3. The upper arm mass carrying capacity varies depending on the wrist carrying weight.
 ※ This use is subject to change without notice.

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