



OTC DAIHEN EUROPE

**Roboter – Technische Daten
Manipulator Specifications**

FD-B15

Model		FD-B15	
Kinematic		Vertical artic. type	
No. of Axes		6	
P-Point (Working Range)		R 2,008 mm	
Maximum Payload Capacity		15 kg	
Positional Repeatability(*1)		± 0.08 mm	
Driving Method		AC Servo Motor	
Working Range	Arm	J1 (Rotation)	± 170° (± 50°)
		J2 (Vertical)	-155° ≈ +100°
		J7	
	Wrist	J3 (Rotation)	-170° ≈ +305°
		J4 (Swing)	± 155°
		J5 (Bending)	-37° ≈ +217°
Maximum Speed	Arm	J6 (Twist)	± 205°
		J1 (Revolv.)	195°/s
		J2 (Vertical)	175°/s
	Wrist	J7	
		J3 (Rotation)	190°/s
		J4 (Swing)	400°/s
Maximum Payload	Allowable Moment	J5 (Bending)	350°/s
		J6 (Twist)	600°/s
		J1 (Swing)	39.0 Nm
		J2 (Bending)	39.0 Nm
		J3 (Twist)	7.36 Nm
		J4 (Swing)	1.05 kg/m ²
Ambient Temp./Humidity		0 ≈ 45°, 20 ≈ 80%	
Mass (weight)		286 kg	
Upper arm max. Carrying capacity(*2)		20 kg (Note 2)	
Origin Return		Note 3	
Installation Position		F, W, C	



- Note 1: Measured value obtained after sufficient repetition of automatic operation for stabilizing conditions.
- Note 2: When the output flange of the wrist axis is loaded with maximum payload capacity.
- Note 3: Positional data protected by battery-backed storage inside the manipulator.
F = Floor W = Wall C = Ceiling



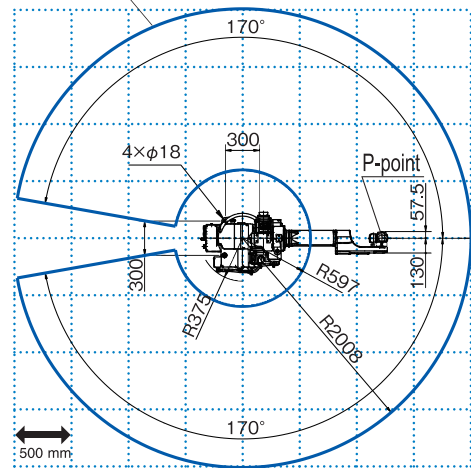
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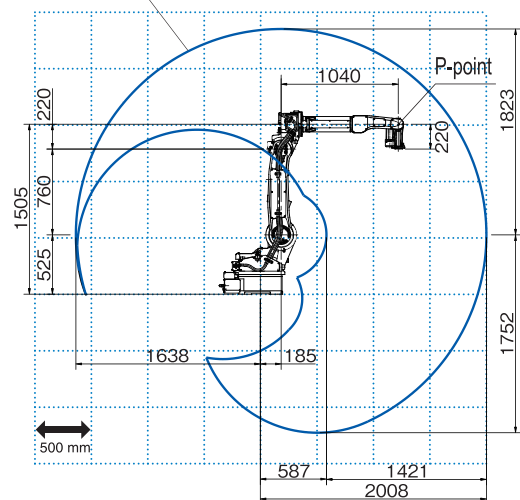
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	J3 (Twist)	7.36 Nm
	J4 (Swing)	1.05 kg/m ²
	J5 (Bending)	1.05 kg/m ²
J6 (Twist)	0.04 kg/m ²	
Ambient Temp./Humidity	0 ≈ 45°, 20 ≈ 80%	
Mass (weight)	286 kg	
Upper arm max. Carrying capacity(*2)	20 kg (Note 2)	
Origin Return	Note 3	
Installation Position	F, W, C	

P-point Working Range



P-point Working Range



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