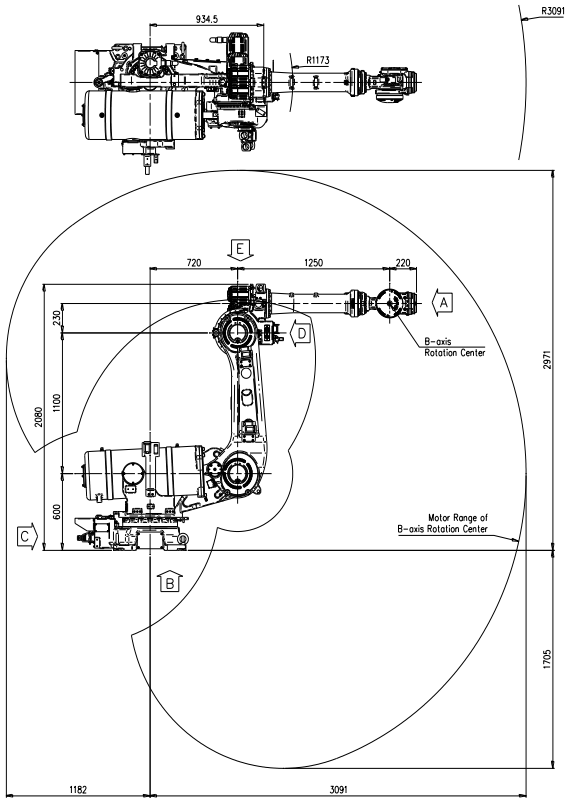
HS220S

Payload 220Kgf

Installation method	
Floor	●
Ceiling	
Wall surface	

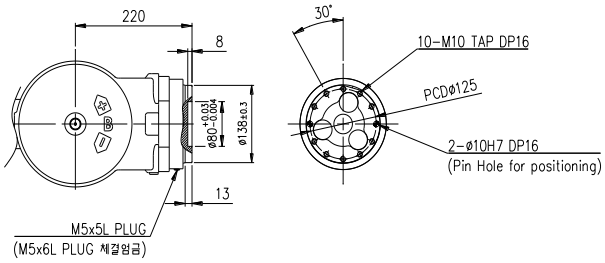
Application	
Spot welding	●
Arc welding	
Handling	●
Assembly	
Sealing	●
Painting	



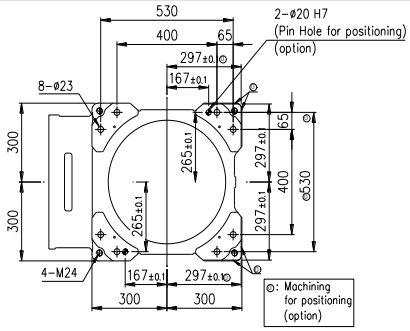
Item				Specification
Robot model				HS220S
Payload				220 Kg
Structure				Articulated
Degree of freedom				6 axes
Max. working envelope	Arm*	S	Swivel	±3.142 rad (±180°)
		H	Horizontal	+2.182 ~ -1.222 rad (+125°~ -70°)
		V	Vertical	+3.316 ~ -1.396 rad (+190°~ -80°)
	Wrist	R2	Rotation 2	±6.284 rad (±360°)
		B	Bending	±2.234 rad (±128°)
		R1	Rotation 1	±6.284 rad (±360°)
Max. working speed	Arm	S	Swivel	1.919 rad/s (110°/s)
		H	Horizontal	1.641 rad/s (94°/s)
		V	Vertical	1.919 rad/s (110°/s)
	Wrist	R2	Rotation 2	2.531 rad/s (145°/s)
		B	Bending	2.531 rad/s (145°/s)
		R1	Rotation 1	3.840 rad/s (220°/s)
Wrist torque		R2	Rotation 2	1422 N•m (145 kgf•m)
		B	Bending	1422 N•m (145 kgf•m)
		R1	Rotation 1	770 N•m (79 Kgf•m)
Accuracy of position repeatability				±0.15 mm
Ambient Temperature				0 ~ 45 °C (273 ~ 318 K)
Robot's Weight				1,397 kg

*) When the optional limit switch is attached, the action range of the main axis will be limited (see the manual)

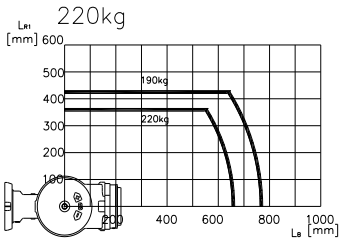
View A: Detailed drawing of the wrist attachment part



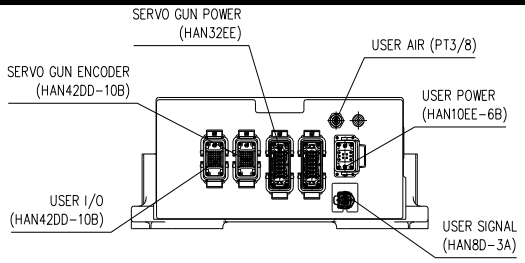
View B: Dimensional drawing for the floor installation of the



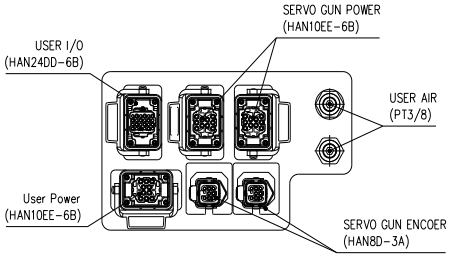
Wrist-axis torque line diagram



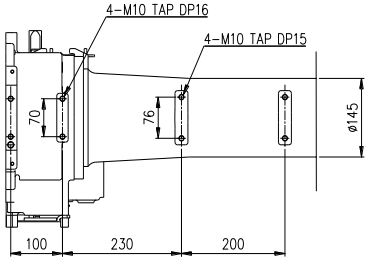
View C: Application cable connection part



View D: Application cable connection part



View E: Details of the application ancillary part attachment



** For product improvement, some of the ratings, specifications, dimensions, etc. are subject to changes without notice.

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