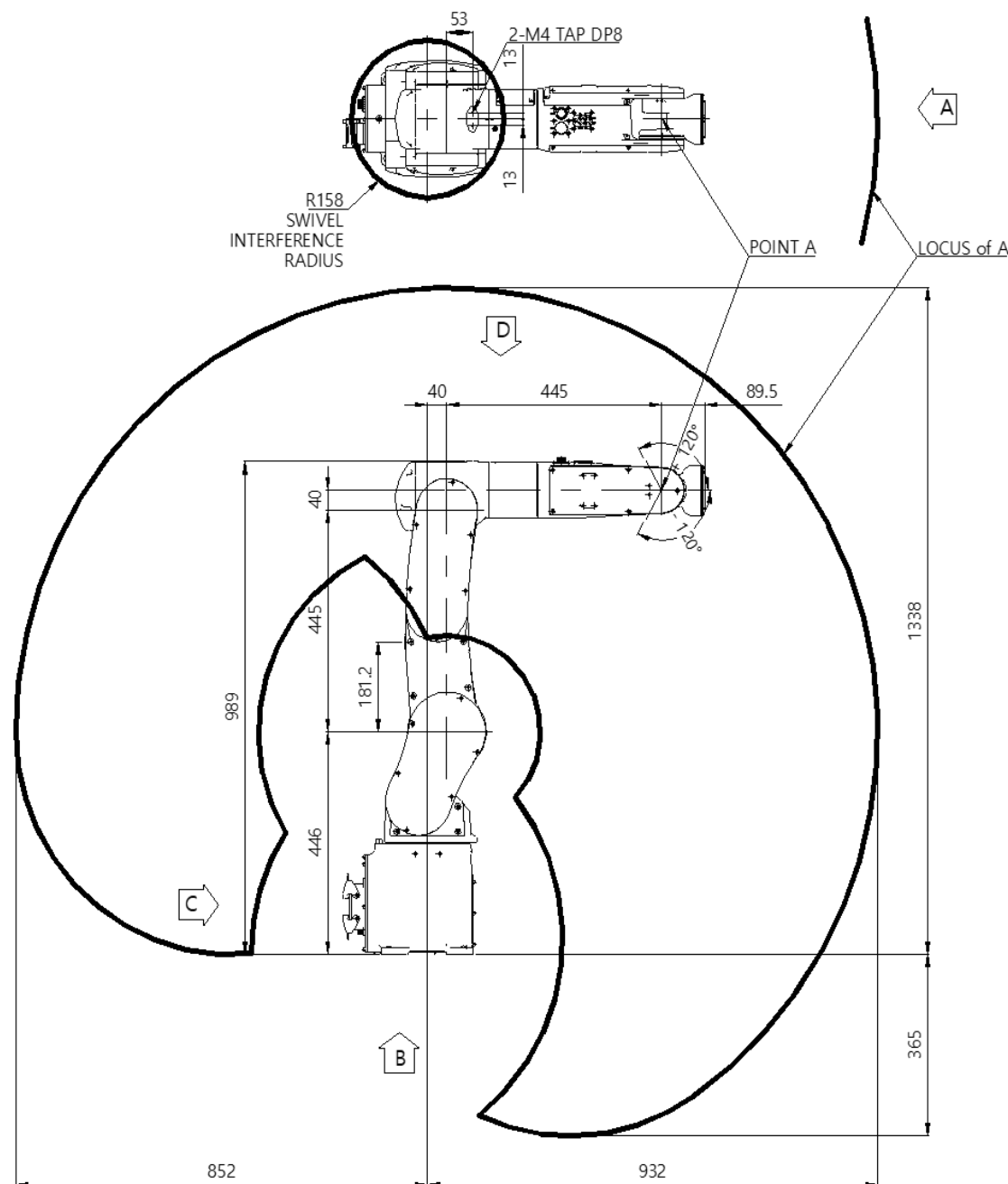


HDF7H-9

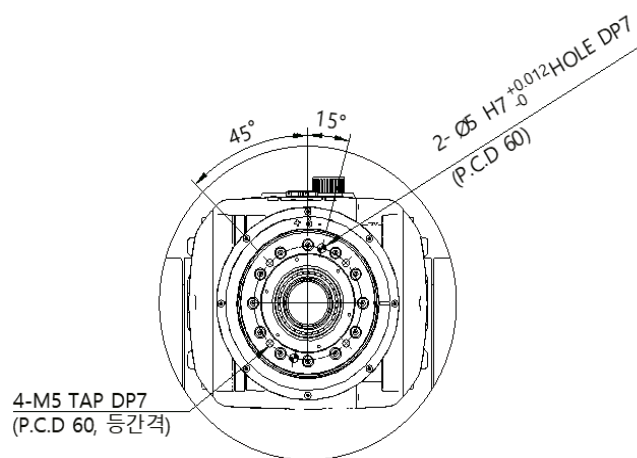
Payload 7 Kgf

Installation method		Application	
Floor	●	Spot welding	
Ceiling	●	Arc welding	
Wall surface		Handling	●
Angle	●	Assembly	●
		Sealing	●
		Painting	

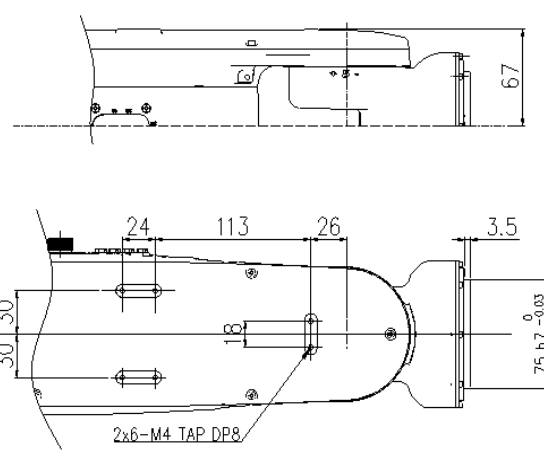


View A: Detailed drawing of the wrist attachment part

Item		Specification
Robot model		HDF7H-9
Payload		7 Kg
Structure		Articulated
Degree of freedom		6 axes
Drive system		AC SERVO MOTOR
Max. working envelope	A r m	S Swivel $\pm 2.96 \text{ rad } (\pm 170^\circ)$
		H Horizontal $+3.14 \sim -0.95 \text{ rad } (+180^\circ \sim -55^\circ)$
		V Vertical $+3.71 \sim -1.22 \text{ rad } (+213^\circ \sim -70^\circ)$
	Wrist	R2 Rotation 2 $\pm 3.31 \text{ rad } (\pm 190^\circ)$
		B Bending $\pm 2.09 \text{ rad } (\pm 120^\circ)$
		R1 Rotation 1 $\pm 6.28 \text{ rad } (\pm 360^\circ)$
Max. working speed	A r m	S Swivel $6.54 \text{ rad / s } (375^\circ / \text{s})$
		H Horizontal $5.49 \text{ rad / s } (315^\circ / \text{s})$
		V Vertical $7.15 \text{ rad / s } (410^\circ / \text{s})$
	Wrist	R2 Rotation 2 $9.59 \text{ rad / s } (550^\circ / \text{s})$
		B Bending $9.59 \text{ rad / s } (550^\circ / \text{s})$
		R1 Rotation 1 $15.01 \text{ rad / s } (860^\circ / \text{s})$
Wrist torque	R2	Rotation 2 $17 \text{ N.m } (1.73 \text{ Kgf.m})$
	B	Bending $17 \text{ N.m } (1.73 \text{ Kgf.m})$
	R1	Rotation 1 $10 \text{ N.m } (1.02 \text{ Kgf.m})$
Accuracy of position repeatability		$\pm 0.02 \text{ mm}$
Ambient Temperature		$0 \sim 45^\circ \text{C } (273 \sim 318 \text{ K})$
Robot's Weight		49 Kg

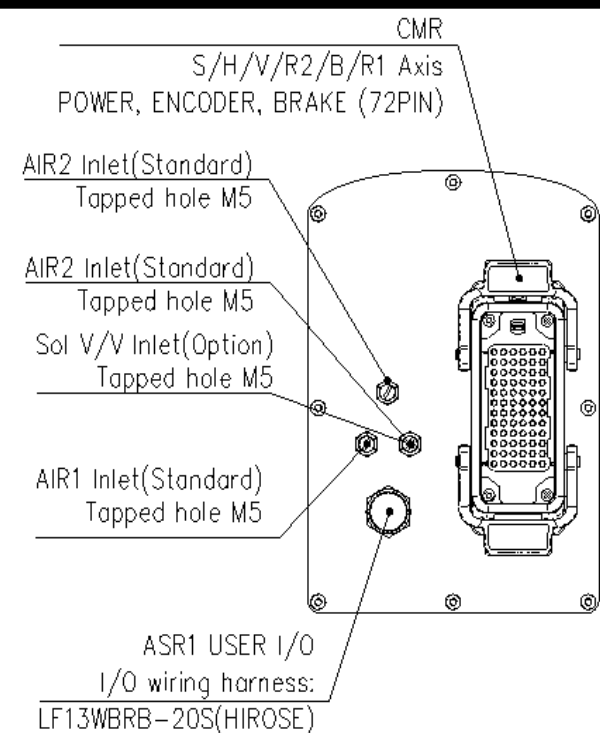


View B: Dimensional drawing for the floor installation of the body



View G: Application part mounting

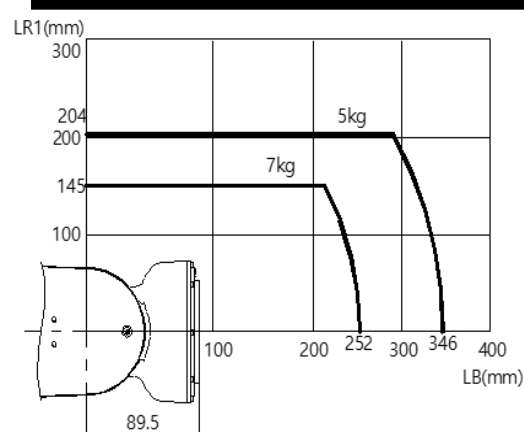
View C: Application cable connection part



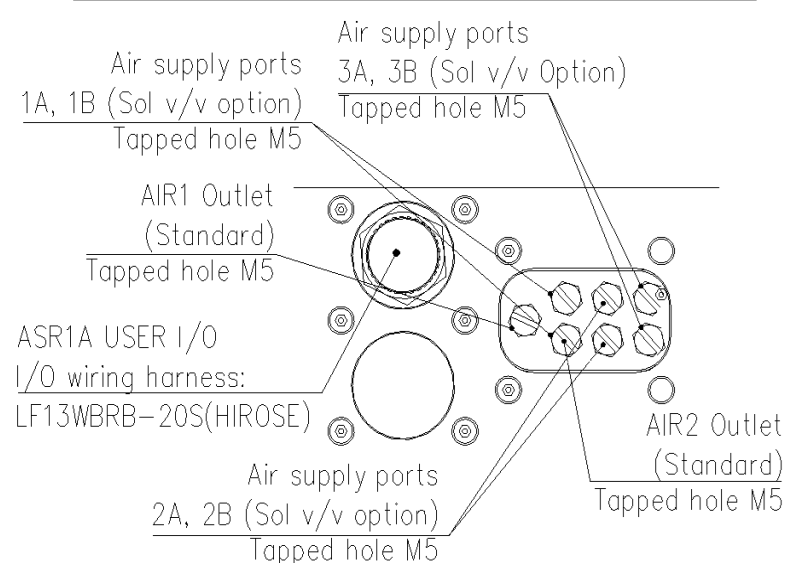
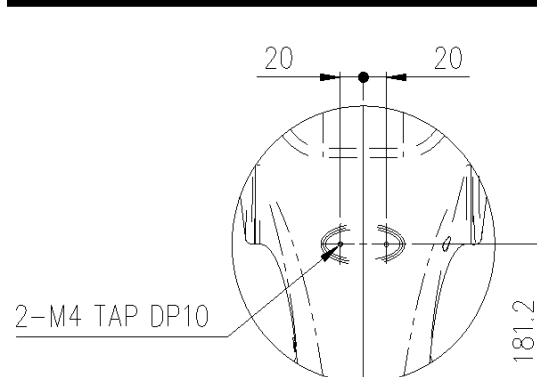
View D: Application cable connection part

※ Precaution : When installing robot, please apply positioning pins. (2xØ6)

Wrist-axis torque line diagram



View E: Application part mounting



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



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