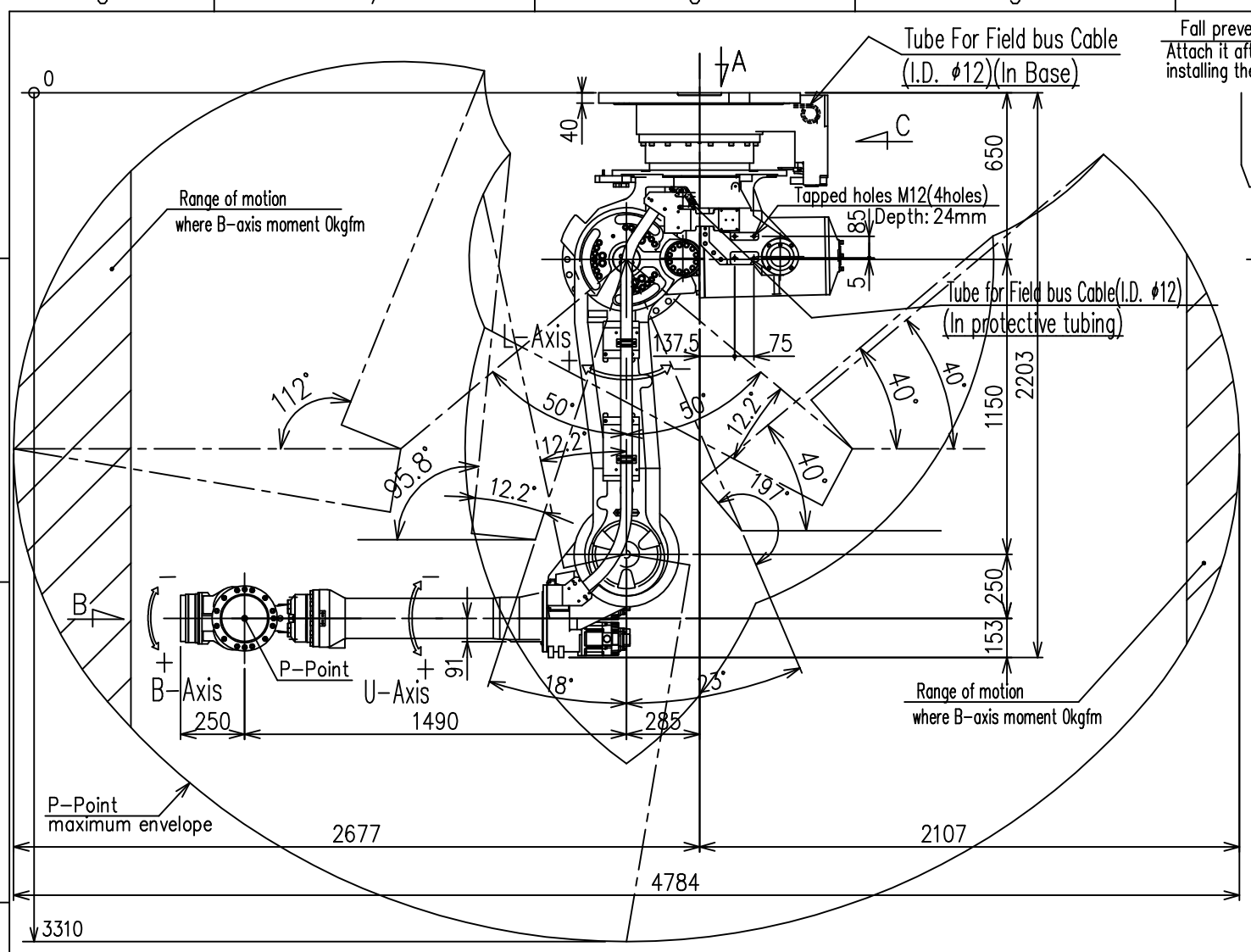
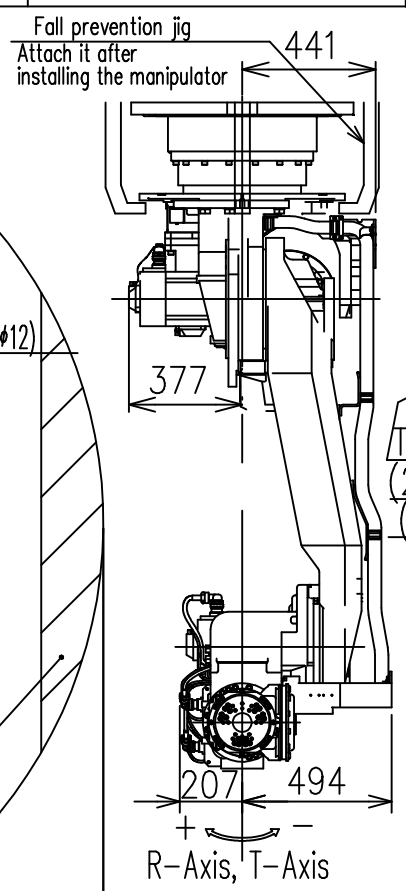
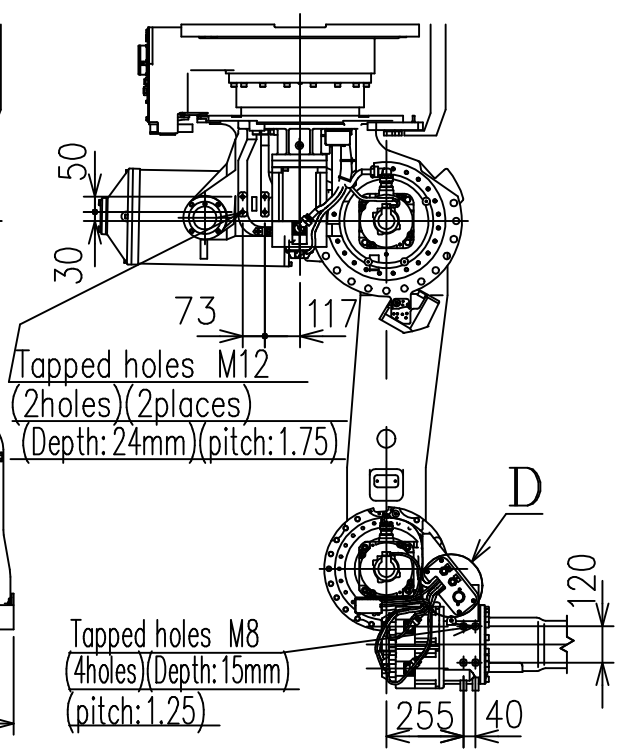
Deviation Unit for non tollerated dimensions ISO 2768

Tolerance Class	Permissible deviations in mm for ranges in nominal lengths 0.5 to 3	3 to 6	6 to 30	30 to 120	120 to 400	400 to 1000	1000 to 2000	2000 to 4000
f fine	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	-
m medium	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2.0



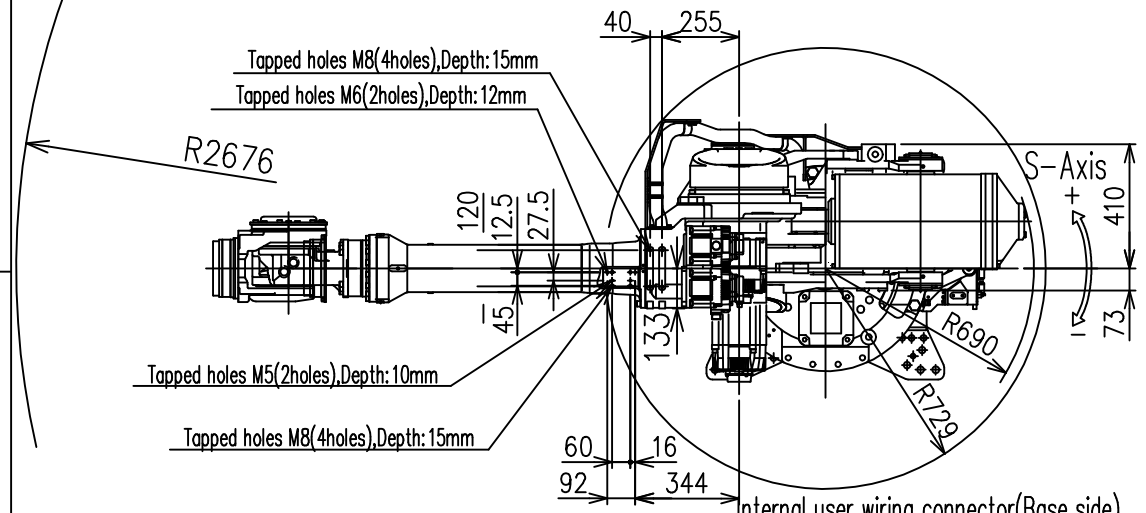


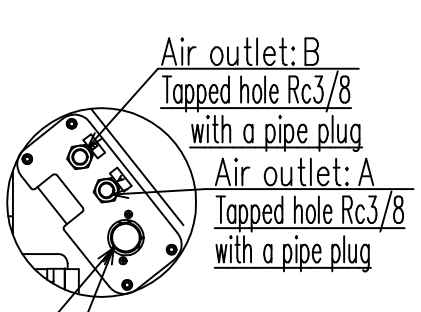


Item \ Model		MOTOMAN-GP215-200T
Configuration		Vertically articulated
Degree of Freedom		6
Payload	Wrist	200kg
	On U-arm	30kg
Repeatability (※1)		0.05 mm
Range of Motion	S-Axis (Turning)	−180°– +180°
	L-Axis (Lower Arm)	−50°– +50°
	U-Axis (Upper Arm)	−77.8°– +197°
	R-Axis (Roll)	−360°– +360°
	B-Axis (Pitch/Yaw)	−125°– +125°
	T-Axis (Twist)	−360°– +360°
Max Speed	S-Axis	1.75rad/s, 100 °/s
	L-Axis	1.57rad/s, 90 °/s
	U-Axis	1.69rad/s, 97 °/s
	R-Axis	2.09rad/s, 120 °/s
	B-Axis	2.09rad/s, 120 °/s
	T-Axis	3.32 rad/s, 190 °/s
Allowable Moment	R-Axis	1176N·m(120kgf·m)
	B-Axis	1176N·m(120kgf·m)
	T-Axis	710N·m(72 kgf·m)
Allowable Inertia (GD²/4)	R-Axis	317kg·m²
	B-Axis	317kg·m²
	T-Axis	200kg·m²
Approx.Robot mass		1360kg
Protected structure		Body: IP54 Wrist: IP67
Mounting method		Ceil-mounted
Ambient Conditions	Temperature	0℃ to +45℃
	Humidity	20%RH to 80%RH (Non-condensing)
	Vibration	4.9m/s²(0.5G)or less
	Altitude	1000m or less
	Flatness for installation	0.5mm or less
	Others	·Free from dirt,dust,oil soot,or water. ·Free from explosive and corrosive gas or liquid. ·Free from excessive electrical noise(plasma). ·Free from strong magnetic fields.
Power Requirements		5.0kVA
Controller		YRC1000

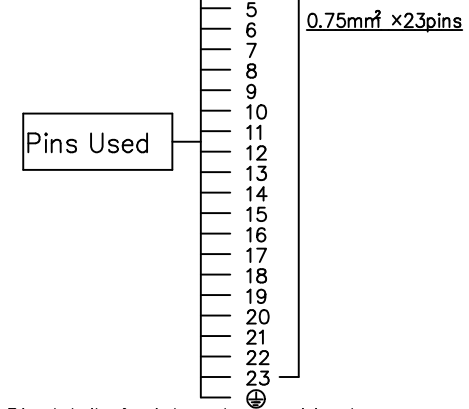
※1 Repeatabilitiy is conformed to ISO 9283.
※2 The manipulator is in the home position.

Units : mm



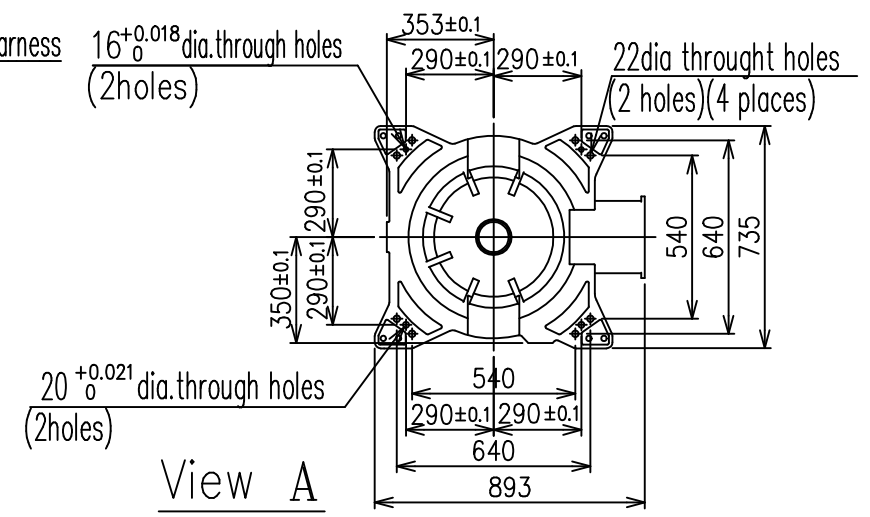


Internal user wiring connector (Casing side)
type is JL05-2A24-28SC(with cap)
Matching connector type is JL05-6A24-28P
(provided by users)



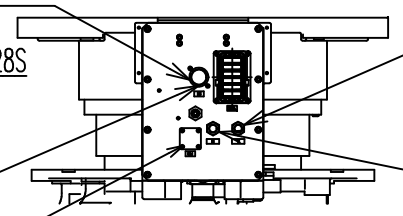
Pin details for internal user wiring harness
(Casing side/Base side)

Type	Note
YR-1-06VT215-200-A20	STANDARD



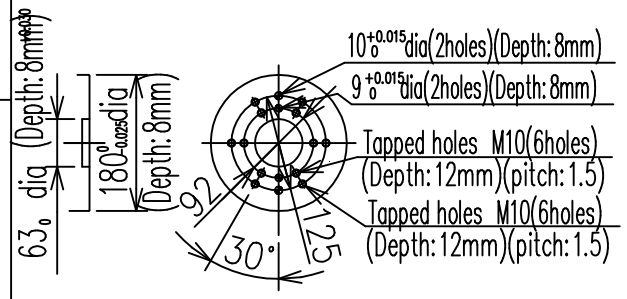
View A

View D (Scale 1:8)



View C (Scale 1:15)

Internal user wiring connector(Base side)
type is JL05-2A24-28PC(with cap)
Matching connector type is JL05-6A24-28S
(provided by users)



View B (Scale 1:10)

Revision:			
Status: In progres		YASKAWA www.yaskawa.eu.com	Dimension:
Affiliation:	Affiliation nr:		Weight [kg]: 1360
Title / Description: MOTOMAN GP215-200T Dimension diagram			Created: 08-July-22 Jezeršek D.
			Drawn:
			Approved: 08-Jul.-'22 A.Ichibangase
			Sheet: A3
			Drawing-nr.: Y1100074
			Scale: 1:25
			Sheet: 1/1

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