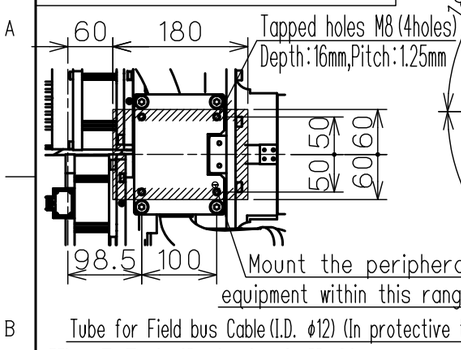
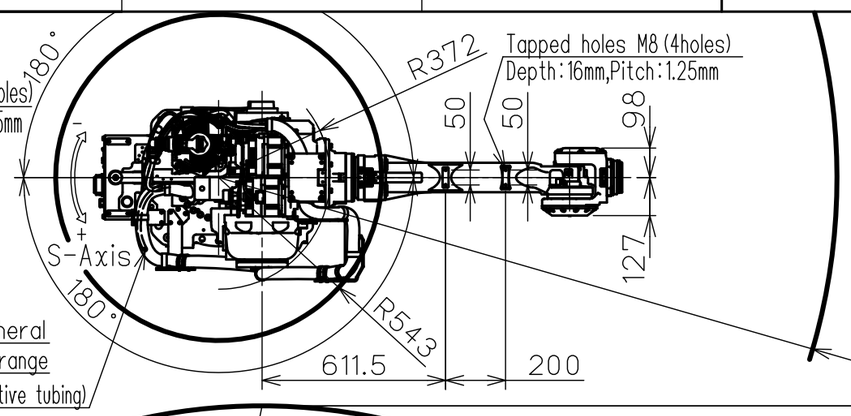
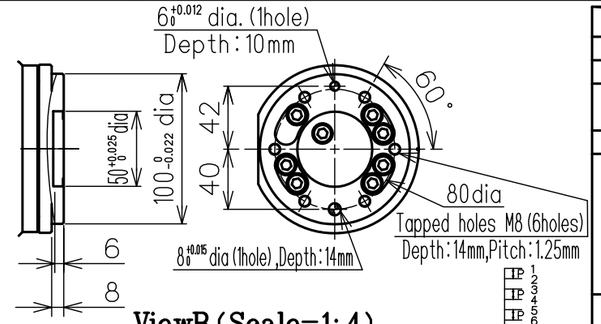
DWG.NO. HW1385685

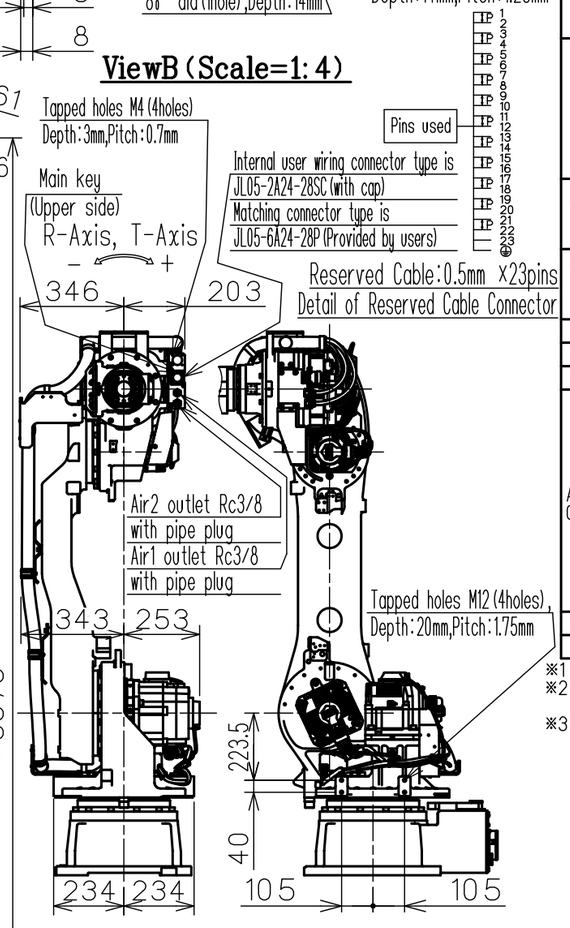




Tube for Field bus Cable (I.D. ϕ12) (In protective tubing)



ViewB (Scale=1:4)

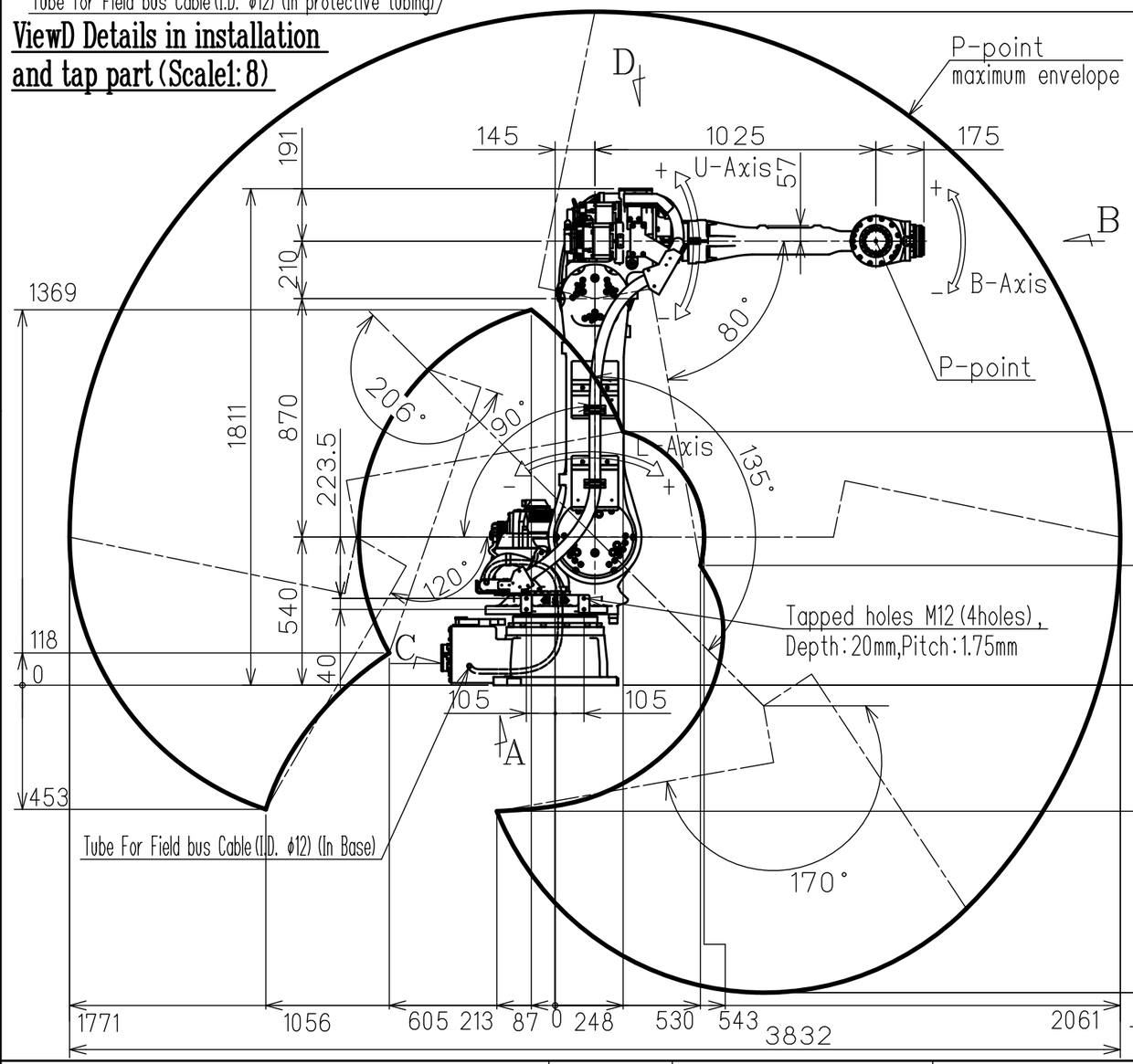


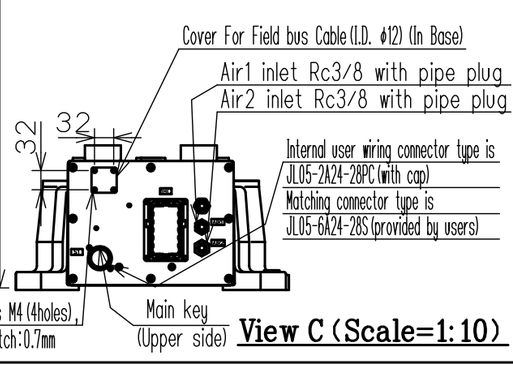
Pins used

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

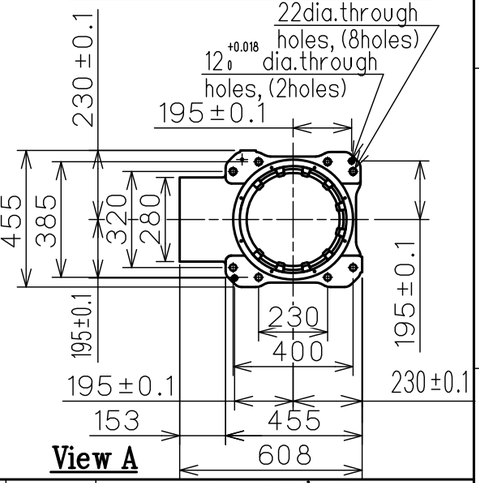
Reserved Cable:0.5mm X23pins
Detail of Reserved Cable Connector

ViewD Details in installation and tap part (Scale1:8)





View C (Scale=1:10)



View A

Item \ Model		MOTOMAN-GP50
Configuration		Articulated Robot
Degree of Freedom		6
Payload	Wrist	50 kg
	On U-arm	10 kg
Repeatability (※1)		±0.07mm
Range of Motion	S-Axis (※2)	-180° - +180°
	L-Axis	-90° - +135°
	U-Axis	-80°- +206°
	R-Axis	-360° - +360°
	B-Axis	-125° - +125°
	T-Axis	-360° - +360°
Max Speed	S-Axis	3.14rad/s,180°/s
	L-Axis	3.11rad/s,178°/s
	U-Axis	3.11rad/s,178°/s
	R-Axis	4.36rad/s,250°/s
	B-Axis	4.36rad/s,250°/s
	T-Axis	6.28rad/s,360°/s
Allowable Moment	R-Axis	216N・m (22kgf・m)
	B-Axis	216N・m (22kgf・m)
	T-Axis	147N・m (15kgf・m)
Allowable Inertia (GD²/4)	R-Axis	28kg・m²
	B-Axis	28kg・m²
	T-Axis	11kg・m²
Approx.Robot mass		570kg
Protected structure		Body:IP54 Wrist:IP67
Mounting method (※2)		Floor-mounted,Wall-mounted,Tilt-mounted,Ceiling-mounted
Ambient Conditions	Temperature	0 to +45°C
	Humidity	20 to 80%RH (Non-codensing)
	Vibration	Less than 4.9m/s² (0.5G)
	Altitude	1000m or less
	Others	•Free from explosive or corrosive gas and liquid. •Free from dust,oil or water. •Free from electrical noise. •Free from strong magnetic fields.
Power Requirements		4.0KVA
Controller		YRC1000

※1 Repeatabilitiy is conformed to ISO 9283.
※2 When the manipulator is installed on a slope or a wall,the motion of S-axis will be limited.
※3 The manipulator is in the home position.

Units : mm

Type	Note
YR-1-06VX50-A00	Standard

Note:
1.All rights reserved.
2.Please note that the data is subject to be deleted without advance notice.
3.No warranty is given in relation to the data including the specification.
4.We are not responsible for any damages or loss caused by the use of the data.

FOR STUDY PURPOSE ONLY

SCALE 1 :20

YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-GP50 DIMENSION DIAGRAM

DRWN DATE Apr. 07, '17

DWG.NO. HW1385685

SIZE A3