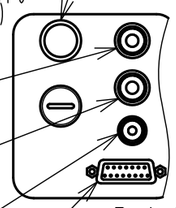
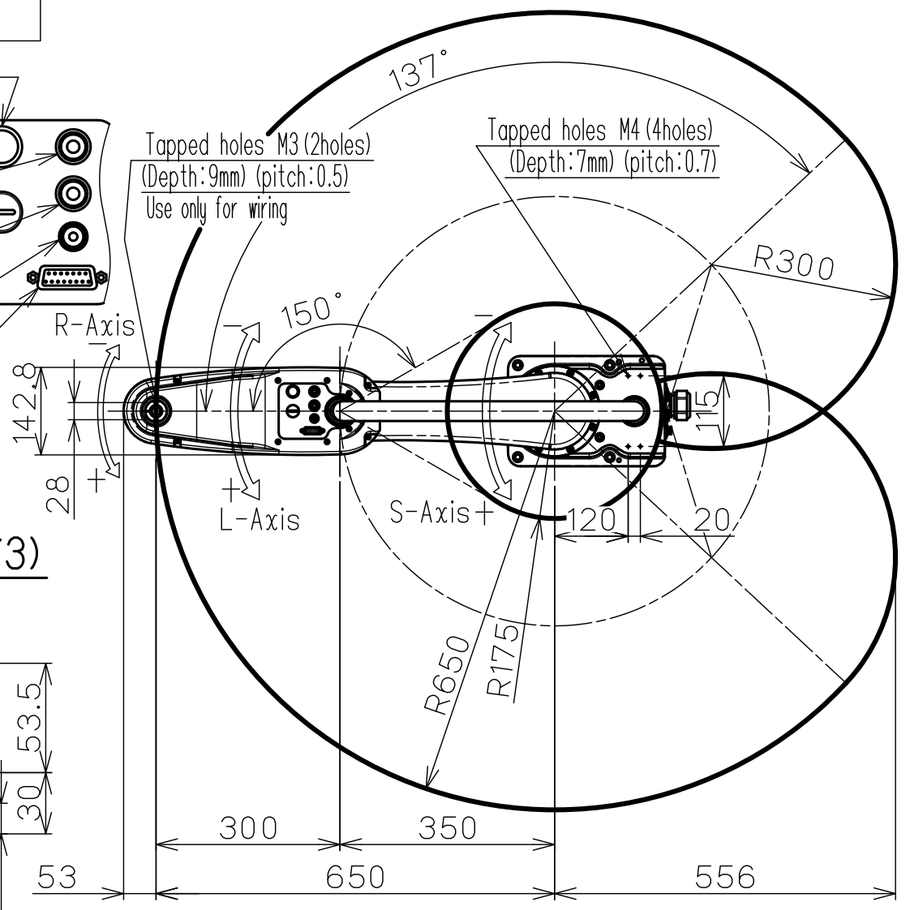
DWG.NO. HW1386206

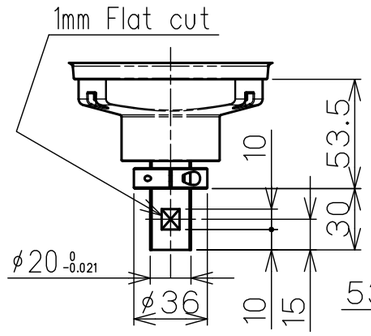
Brake release switch
Only available in when the power supply is connected to connector base(option)

Air outlet C
Matching tube O.D. is 6mm
Air outlet B
Matching tube O.D. is 6mm
Air outlet A
Matching tube O.D. is 4mm
Reserved cable connector
DA-15SF-N
Matching connector type is
DA-15PF-N (JAE)
(provided by users)

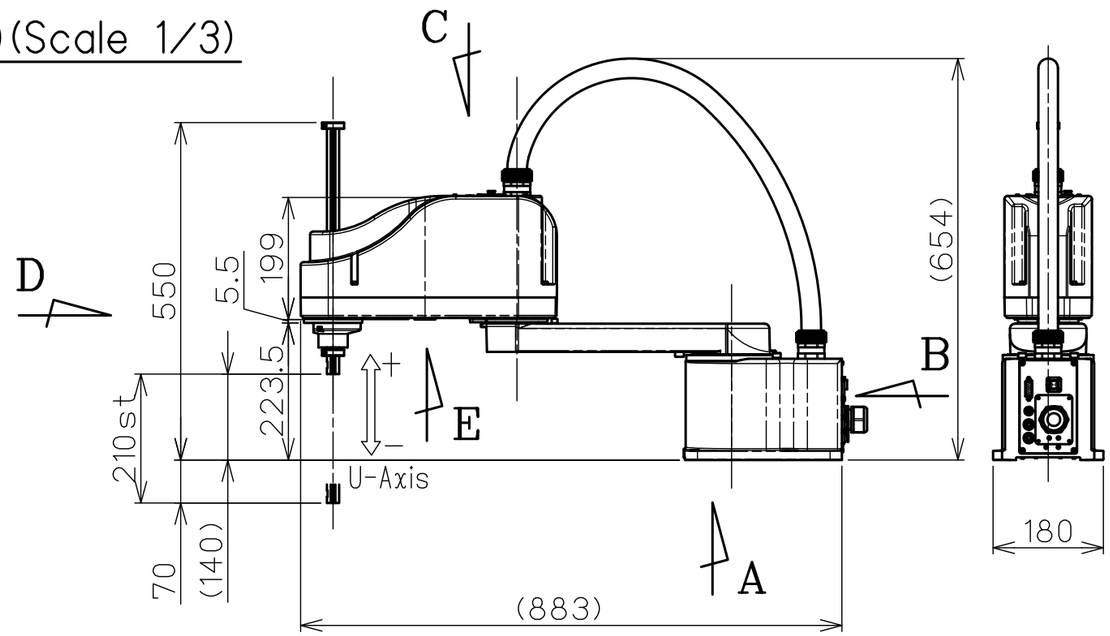


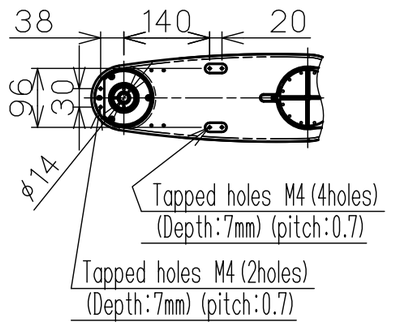


View C (Scale 1/3)

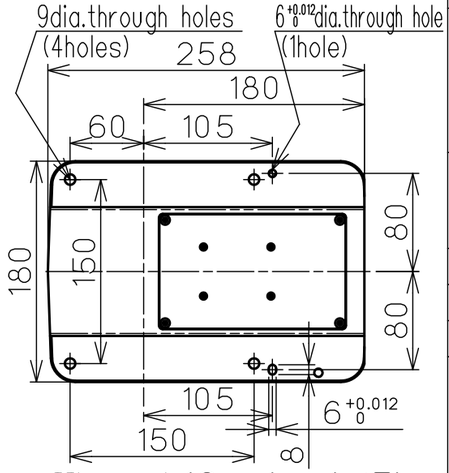


View D (Scale 1/3)





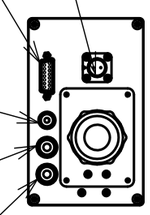
View E



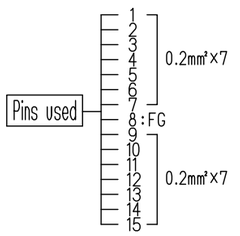
View A (Scale 1/5)

Type	Note
YR-1-04SX650-A00	STANDARD

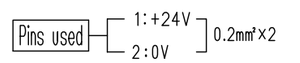
Brake release 24V connector
CM10-R2P-D (D7)
Reserved cable connector
DA-15PF-N
Matching connector type is
DA-15SF-N (JAE)
(provided by users)
Air inlet A
Matching tube O.D. is 4mm
Air inlet B
Matching tube O.D. is 6mm
Air inlet C
Matching tube O.D. is 6mm



View B (Scale 1/5)



Reserved cable connector



Brake release 24V connector

Item \ Model		MOTOMAN-SG650
Configuration		Horizontally Articulated
Degree of Freedom		4
Payload		6kg
Repeatability	S-Axis+L-Axis	0.01mm
	U-Axis	0.01mm
	R-Axis	0.004°
Range of Motion	S-Axis (first arm)	-137° - +137°
	L-Axis (second arm)	-150° - +150°
	U-Axis (Upper/lower)	210mm
	R-Axis (rotation)	-360° - +360°
Maximum Speed	S-Axis	7.85rad/s, 450°/s
	L-Axis	12.7rad/s, 730°/s
	U-Axis	1300mm/s
	R-Axis	43.6rad/s, 2500°/s
Allowable Inertia ($GD^2/4$)	R-Axis	0.12kg·m²
Approx. Mass		19kg
Protected structure		IP20
Mounting method		Floor-mounted
Ambient Conditions	Temperature	0 to 40℃
	Humidity	20 to 80%RH (Non-Condensing)
	Vibration	4.9m/s² (0.5G) or less
	Altitude	1000m or less
	Others	・Free from explosive and corrosive gas or liquid. ・Free from dust,soot,oil,or water. ・Free from excessive electrical noise. (plasma) ・Free from strong magnetic fields.
Power Requirements		1.0kVA
Controller		YRC1000micro

※1 The manipulator is in the home position.

Units : mm

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 :10

YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-SG650
DIMENSION DIAGRAM

DRWN DATE '19.11.7
DWG.NO. HW1386206 ①

SIZE A3