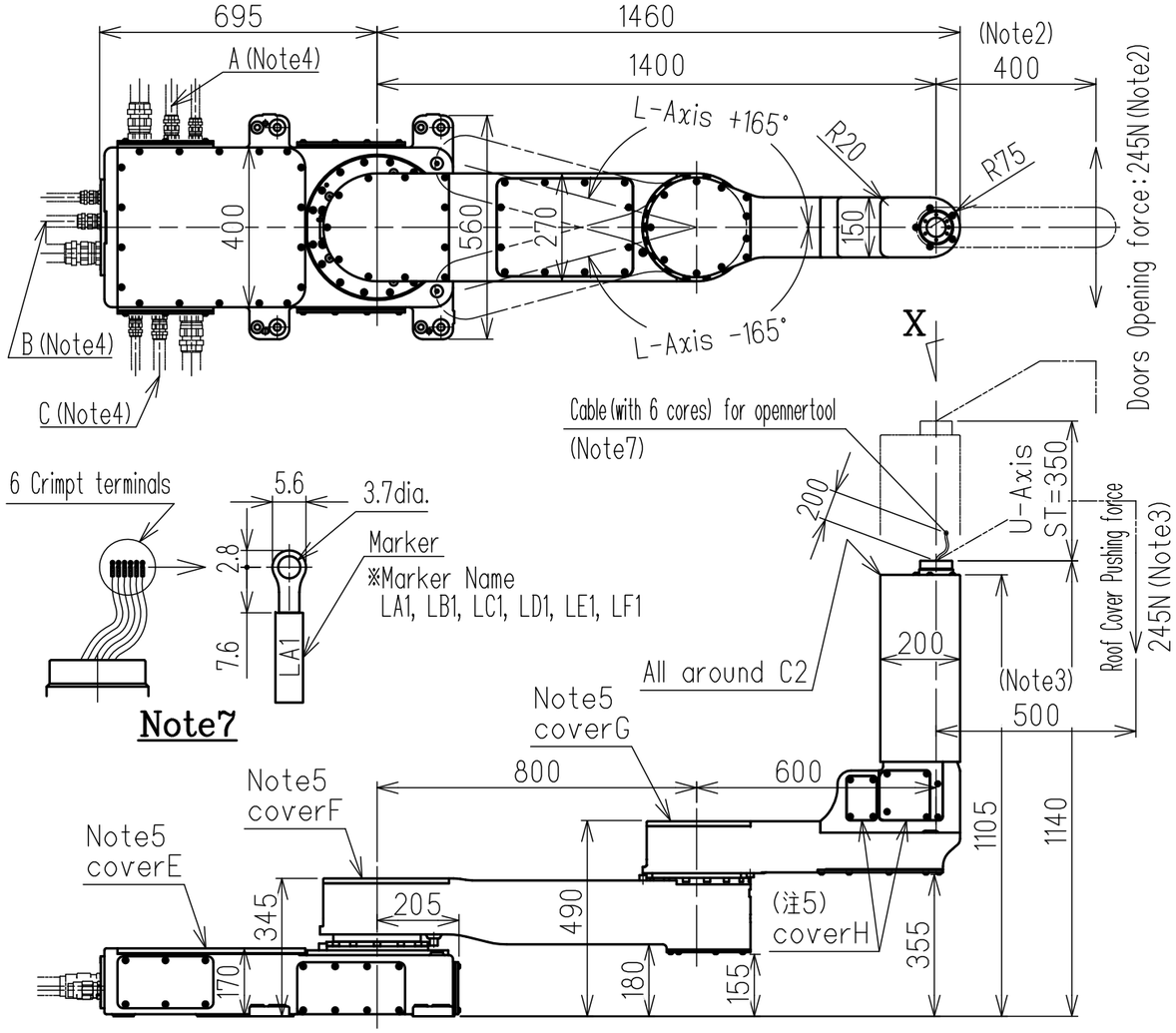
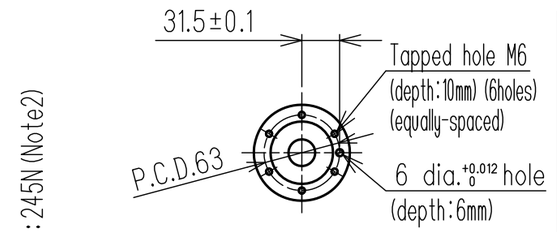
DWG.NO. HW1384176

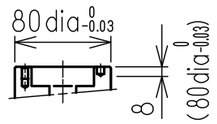
FOR STUDY PURPOSE ONLY



Note7



View X / Flange part (Scale1:5)

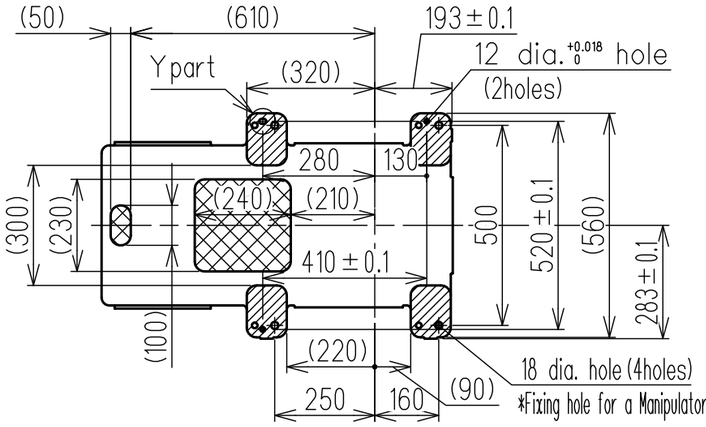


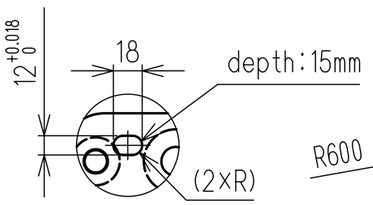
TYPE	Explosionproof authentication
YR-MP00010-F00	ATEX/CAT.3

Note1 : Conformed to ISO 9283
Note2 : The load point of the door opening and closing force is away from the U-axis 400mm.
Note3 : The load point of roof cover pushing force is away from the U-axis 500mm.
Note4 : Cable install Position is A or B or C.
Note5 : Screws of covers are NOT sunk except cover E, F, G and H.

ITEM \ MODEL		MOTOMAN-MP010
Degree of Freedom		3
Payload		10kg
Doors Opening force *2		245N (Note2)
Roof Cover Pushing force *3		245N (Note3)
Repetitive Positioning Accuracy *1		±0.15mm
Range of Motion	S-Axis	(S) Type -150° ~ +150° (L) Type -200° ~ +60° (R) Type -60° ~ +200°
	L-Axis	-165° ~ +165°
	U-Axis	0 ~ 350mm
Max Speed	S-Axis	2.27rad/s (130°/s)
	L-Axis	2.27rad/s (130°/s)
	U-Axis	500mm/s
Allowable Moment	opennertool (Converted value at flange)	27N・m (2.75kgf・m) <Gravity direction>
Allowable Inertia (GD^2/4)	opennertool (Converted value at flange)	1.00kg・m^2
Mass		about 350kg
Ambient Conditions	Temperature	0~40℃
	Humidity	20~80%RH (Non condensing)
	Vibration acceleration	4.9m/s^2 (0.5G) or less
	Others	・Free from excessive electrical noise. ・Wipe the manipulator with detergent when clean up it.

・SI units are used in this table.
・However, gravitational unit is used in ( ).
・Any specification not shown in this drawing can be fixed YASKAWA.

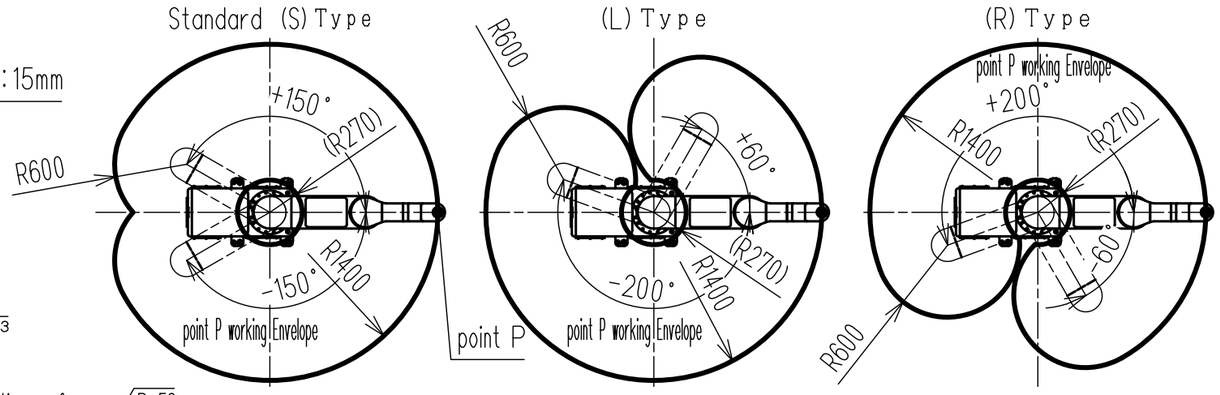




Detail Y

:Mounting surface Ra6.3

:Surface in the plane with mounting surface Ra50



point P working Envelope due to differences of S-axis max motion range

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.

SCALE 1 :15

YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-MP010 DIMENSION DIAGRAM

DRWN DATE Dec.05.' 14

DWG.NO. HW1384176

SIZE A3