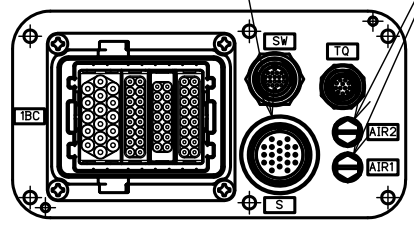


DWG.NO. HW1385798

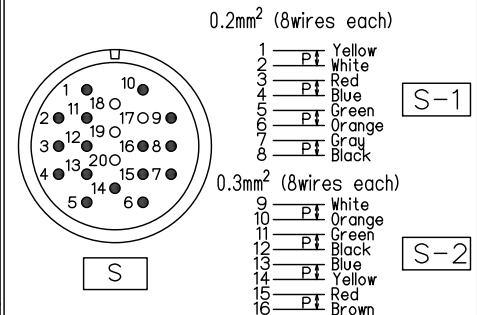
Attachment recommended range
(Out of range, please be aware of
the interference.)

2xAir inlet
(Tapped hole M5,Pitch:0.8)
2xLP-M5 (pipe plug)
Reserved Cable Connector
RM21WTR-20P*HIROSE*
Mating connector is
RM21WTP-20S*HIROSE*

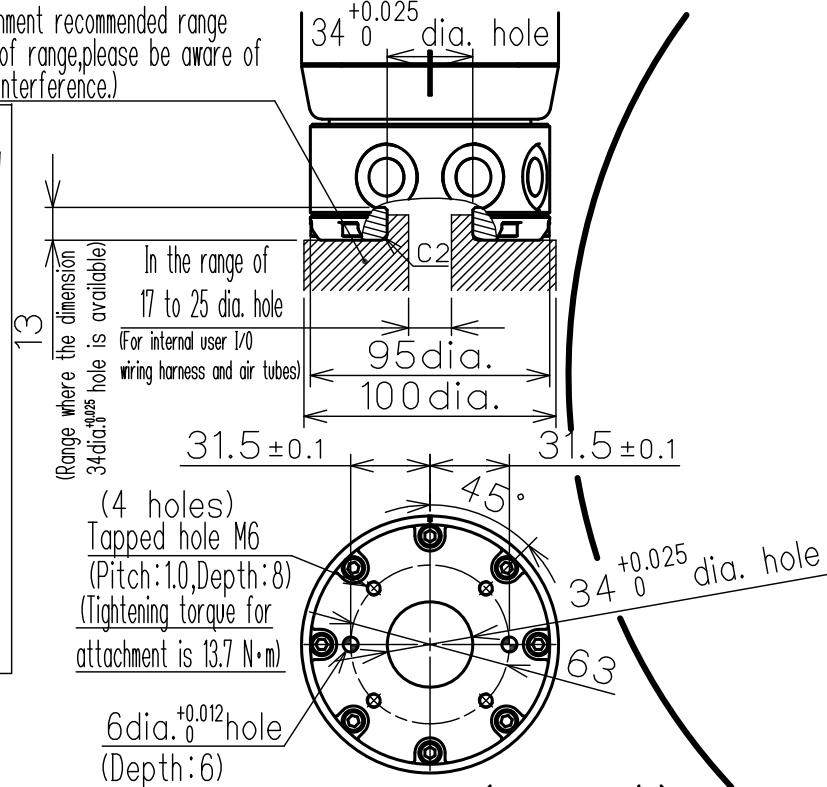


View C (Scale=1/3)

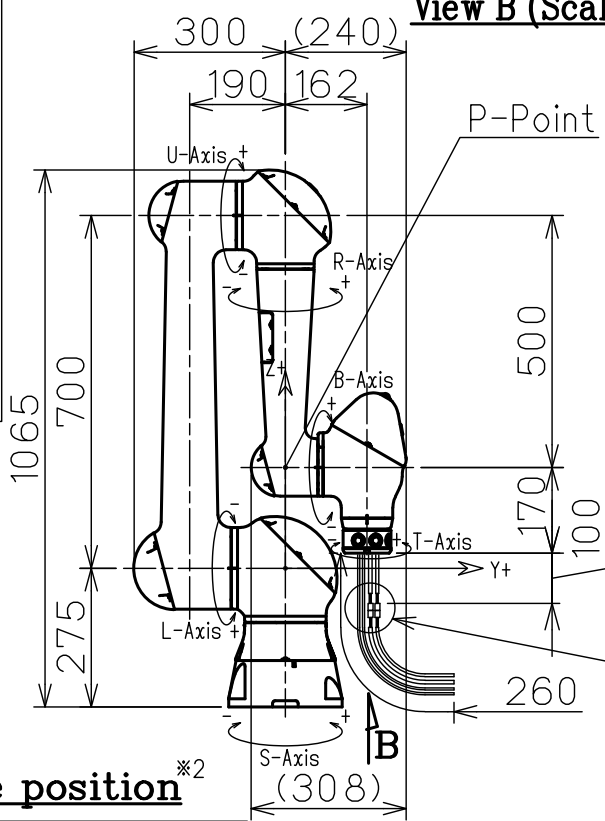
Details for equipment of wiring connectors use number



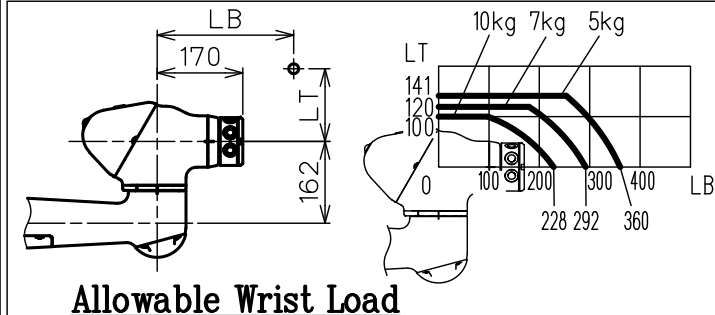
The figure above shows the state viewed
from the fitting side of the manipulator side
of the connector.
(connection side of the mating connector)



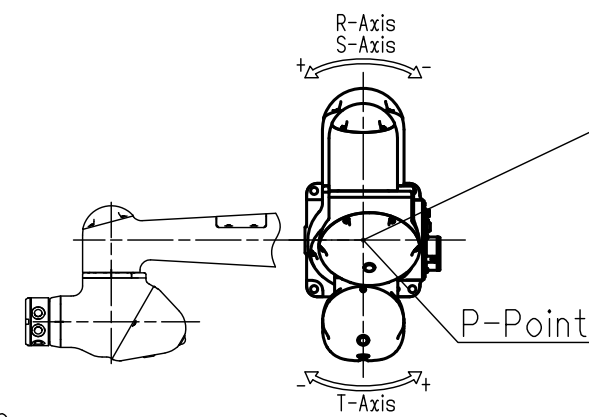
View B (Scale=1/3)



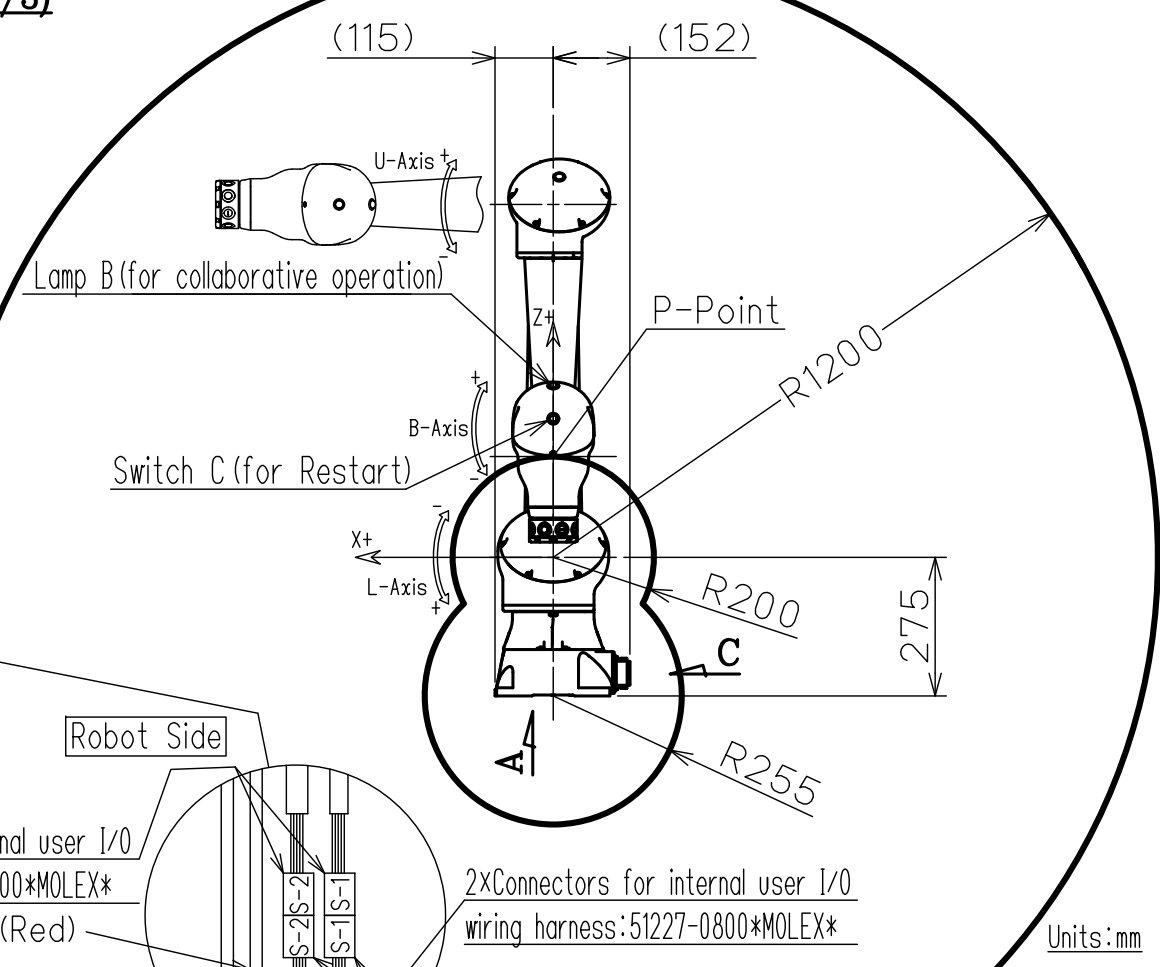
Home position



Allowable Wrist Load



P-Point
Maximum Envelope



Units:mm

2xConnectors for internal user I/O
wiring harness:51216-0800*MOLEX*
AIR1 (Red)
AIR2 (Blue)

2xConnectors for internal user I/O
wiring harness:51227-0800*MOLEX*

2xAir Tubes
(Outside dia.4mm)

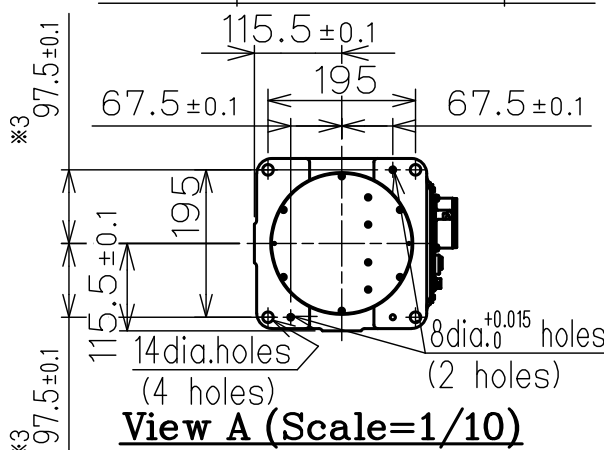
Connector Details

Type	Specification
YR-1-06VXHC10-A10	With Direct Teach Button

※3. Tolerance shall be applied only
for 8dia.±0.015 holes.

Item	Model	Collaborative Robot MOTOMAN-HC10DT
Configuration		Vertically Articulated
Degree of Freedom		6
Payload		10kg
Repeatability※1		±0.1mm
Range of motion	S-Axis (Turning)	-180° ~ +180°
	L-Axis (Lower Arm)	-180° ~ +180°
	U-Axis (Upper Arm)	-5° ~ +355°
	R-Axis (Roll)	-180° ~ +180°
	B-Axis (Pitch/Yaw)	-180° ~ +180°
Maximum speed	T-Axis (Twist)	-180° ~ +180°
	S-Axis	2.27rad/s,130°/s
	L-Axis	2.27rad/s,130°/s
	U-Axis	3.14rad/s,180°/s
	R-Axis	3.14rad/s,180°/s
Allowable Moment	B-Axis	4.36rad/s,250°/s
	T-Axis	4.36rad/s,250°/s
	R-Axis	27.4N·m (2.8kgf·m)
Allowable Inertia (GD²/4)	B-Axis	27.4N·m (2.8kgf·m)
	T-Axis	9.8N·m (1.0kgf·m)
	R-Axis	0.78 kg·m²
Approx.Robot mass		48kg
Protected structure		All axes:IP20
Mounting method		Floor-mounted,Wall-mounted, Tilt-mounted,Ceiling-mounted
Ambient Condisions	Temperature	0 to 40 °C
	Humidity	20 to 80%RH (Non-Condensing)
	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, of water. •Free from electrical noise. •Free from Strong magnetic fields.
Power Requirements		1.0kVA
Controller		YRC1000/YRC1000micro

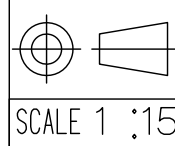
SI units are used in this table.
However,gravitational unit is used in ().
※1 Conformed to ISO9283
※2 The manipulator is in the home position.



View A (Scale=1/10)

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



YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-HC10DT
DIMENSION DIAGRAM

DRWN DATE Jan.12, 2018
DWG.NO. HW1385798