

R20



Ordering method

R20			SR1-X	10				
Model	Cable entry location	Cable length ^{Note 1}	Controller	Driver	Usable for CE	Regenerative unit	I/O selection	Battery
No entry: Standard (S) B: From the side	3L: 3.5m (Standard) 5L: 5m 10L: 10m	SR1-X TS-X ^{Note 2}	10: 200W 110 (TS-X)	No entry: Standard E: CE marking	No entry: None	N: NPN P: PNP CC: CC-Link DN: DeviceNet PB: Profibus YC: YC-Link ^{Note 3}	No entry: None (Incremental specification) B: Battery (Absolute specification)	

Note 1. The robot cable is standard cable, but can be changed to bend-resistant cable. (consult factory)
 Note 2. To find TS-X selection options, see the ordering method listed on each controller's page.
 Note 3. Available only for the SR1-X slave.

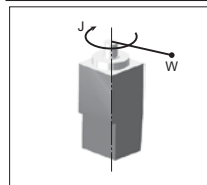
Specifications

AC servo motor output (W)	200
Repeatability (sec)	+/- 30
Maximum speed (°/sec)	360
Maximum allowable moment inertia (kgm ² [kgfcm ²])	1.83 [18.7]
Rated torque (Nm[kgfm])	21.46 [2.19]
Speed reduction ratio	1/50
Rotation range (°)	360
Cable length (m)	Standard: 3.5 / Option: 5,10
Speed reducer type	Harmonic drive
Position detector	-
Resolution (Pulse/rotation)	16384

Maximum allowable moment inertia

Payload parameters W (kg)	1	2	3	4	5	6	7	8	9	10
Maximum allowable moment inertia J (kgfcm ²)	0.93	1.8	2.8	3.7	4.6	5.6	6.5	7.4	8.4	9.3

Payload parameters W (kg)	11	12	13	14	15	16	17	18	19	20
Maximum allowable moment inertia J (kgfcm ²)	10.2	11.2	12.1	13.1	14	14.9	15.9	16.8	17.7	18.7

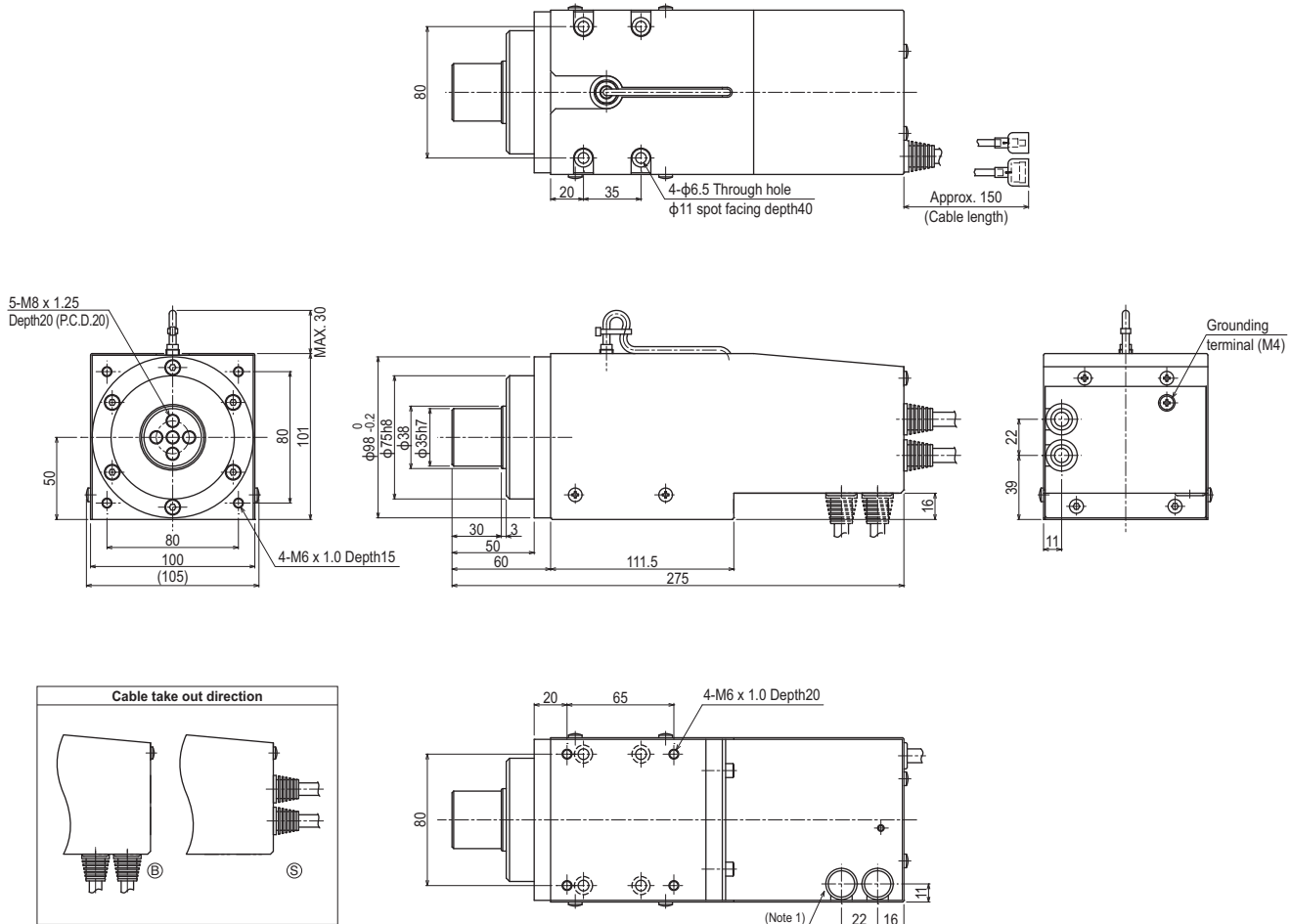


Note. When the weight of a tool or workpiece attached to the shaft R20 is W (kg), its moment of inertia (J) must be smaller than the values shown in the table above. (For example, enter 4kg if W is 3kg and J is 3.7kgf cm sec².) Enter the above mass parameter value for the controller, and optimum acceleration is automatically set based on this value

Controller

Controller	Operation method
SR1-X-10	Programming / I/O point trace (BCD) / Remote command / Operation using RS-232C communication
TS-X110	I/O point trace (BCD)

R20



Weight (kg) 5.5

Note 1. The cable extraction port can be changed.