Origin at non-motor side: Lead 20 • 10

Ordering method

	ig ilic	tiioa											
C10-		-	-		-	-	-SR1	-X -	05		-		_
Model -	Lead	Brake	-	Option	- Stroke	_ Cable length Not	Control	ler –	Driver	Usable for CE	Regenerative unit Note 4	Input/Output selection	Battery
20): 20mm	No entry: With no brake	Origin	None: Standard	150 to 1050	3L: 3.5m (Stand	lard) SR1-X		05: 100W or less	No entry: Standard	No entry: None	N: NPN	No entry: None
10	: 10mm	BK: With brake		Z: Non-motor	(100mm pitch)	5L: 5m	TS-X Note 3			E: CE marking	R: RG1	P: PNP	(Incremental specification)
5:	5mm		change	side No e 1		10L: 10m	RDX Note 3					CC: CC-Link	B: With battery
Note 1. If selecting 5mm lead specifications then the origin point cannot be changed to the non-motor side.							DN: DeviceNet	(Absolute specification)					
Note 2. The robot cable is a standard cable and may be changed to a flex-resistant type (except RDX). See P 423 for more information on robot cables.													
· · · · · · · · · · · · · · · · · · ·							V.C. V.C. Limb Note 5						

Note 3. To find TS-X, RDX selection options, see the ordering method listed on each controller's page (TS-X: P-355, RDX: P-365). RDX: P-365). Note 4. When using the SR1-X, TS-X, a regenerative unit is required when the movement stroke is 700mm or more and used perpendicularly. When using the RDX, the regenerative unit RBR1 is required regardless of the installation conditions.

Note 5. Available only for the slave.

Basic specifications AC servo motor output (W) 100 Repeatability Note 1 (mm) +/-0.01 Deceleration mechanism Ball screw (Clas Ball screw lead (mm) 20 Maximum speed N ote 2 (mm/sec) 1000 500 250 Horizontal Maximum 40 payload (kg) 10 20 Vertical 169 Rated thrust (N) 339 150 to 1050 (100mm pitch) Stroke (mm) Overall length Horizontal Stroke+283 (mm) Vertical Stroke+313

Maximum outside dimension W104 × H85 of body cross-section (mm) Standard: 3.5 / Option: 5, 10 CLASS10 Note 3 Cable length (m) Degree of cleanliness Intake air (N&/min) 30 to 90 h

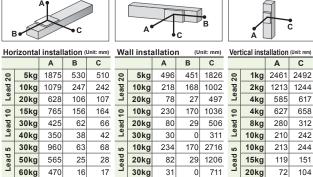
Note 1. Positioning repeatability in one direction.

Note 2. When the stroke is longer than 750mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below

Note 3. Per 1cf (0.1µm base), when suction blower is used.

Note 4. The necessary intake amount varies depending on the use conditions and environment.

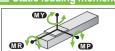
Allowable overhang Note



0 60kg 470 16 30kg 31 20kg Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10 000 km

17

Static loading moment

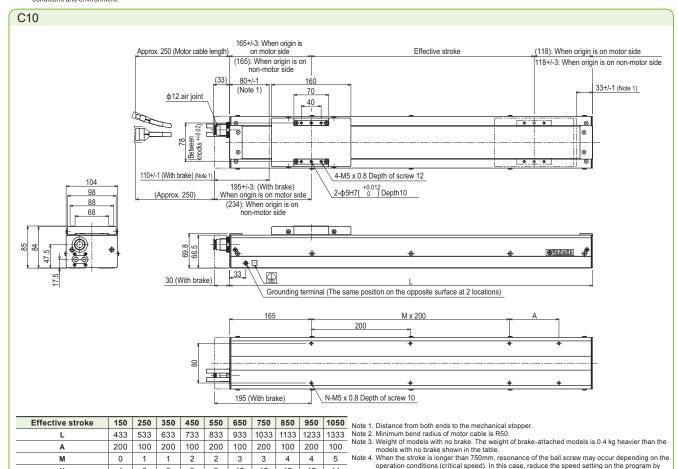


		(Unit: N·m)
MY	MP	MR
119	119	105

0	Controller							
8 2	Controller	Operation method						
2 2 4 1 4	SR1-X-05 Note	Programming / I/O point trace / Remote command / Operation using RS-232C communication						
	TS-X205	I/O point trace						
	RDX-05-RBR1	Pulse train control						

Note. Regenerative unit is required and with 700mm or larger stroke

operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table at the left.



250

Maximum

(mm/sec)

speed

N

Weight (kg) Note 3

Lead 20

Lead 10

Lead 5

Speed setting

4 6 6 8 8 10 10 12 12 14

5.5

6.7 7.8 9.0 10.1 11.3 12.4 13.6 14.7

1000

500

250

950 750 600 500

475 375 300

237 187 150 125

95% 75% 60% 50%