

● High lead: Lead 20 ● Origin at non-motor side

Tordering memod				
T5 -	_		- ERCX -	-
Model – Lead designation 20: 20mm 12: 12mm 6: 6mm	change Z: Non-motor side Grease type None: Standard GC: Clean	- Stroke - Cable length Not (50mm pitch) Si.: Sm (50mm pitch) Si.: Sm (50mm pitch) Si.: Sm (10L: 10m 3K/5K/10K Not : 10L: 10L: 10L: 10L: 10L: 10L: 10L: 10	ERCX No entry: Standard E: CE marking	No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet

Note 1. The robot cable is standard cable, but can be changed to bend-resistant cable. See P.424 for details on robot cable

Note 2. To find ERCD selection opt	ions, see the o	ordering method of	n P.370.

AC servo motor output (W) 30 Repeatability Note 1 (mm) +/-0.02 Deceleration mechanism Ball screw (Class Class Cl	6					
Deceleration mechanism Ball screw (Class Class C						
Ball screw lead (mm) 20 12						
	6					
Maximum speed Note 2 (mm/sec) 1200 800						
	400					
Maximum Horizontal 3 5	9					
payload (kg) Vertical – 1.2	2.4					
Rated thrust (N) 19 32	64					
Stroke (mm) 50 to 800 Note 3 (50 mm)	50 to 800 Note 3 (50mm pitch)					
Overall length Horizontal Stroke+201.5	Stroke+201.5					
(mm) Vertical Stroke+239.5						
Maximum dimensions of cross section of main unit (mm) $$W55\times H52$$	W55 × H52					
Cable length (m) Standard: 3 5 / Option	Standard: 3 5 / Option: 5,10					
Linear guide type 2 rows of gothic arch groove	2 rows of gothic arch grooves × 1 rail					
Position detector Resolvers Note	Resolvers Note					
Resolution (Pulse/rotation) 16384	16384					

Note 1. Positioning repeatability in one direction.

Note 2. When the stroke is longer than 650mm, 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. 650mm or longer strokes are only available with high lead specifications (Lead 20).

Note 4. Position detectors (resolvers) are common to incremental and absolute specifications [If the controller has a backup function.

absolute specifications. If the controller has a backup function then it will be absolute specifications

Allowable overhang Note

В С

323 683

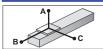
159 406

59 155

104 294

31

89



675 103 247

Horizontal installation

1kg

3kg

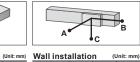
2kg 1170

5kg 555

3kg 1498

9kg 628

Lead 6 Lead 12 Lead 20



Α В С

1kg

3kg 215 73 589

2kg 368 127

5kg 127 30 449

3kg 263

9kg 54

600 291 600

1082

73 970

0 400



Vertical installation (Unit: mm)											
		Α	С								
Lead 12	1.2kg	242	240								
Lead 6	2.4kg	113	113								

Note. Distance from center of slider top to center of gravity of object being carried at a guide service

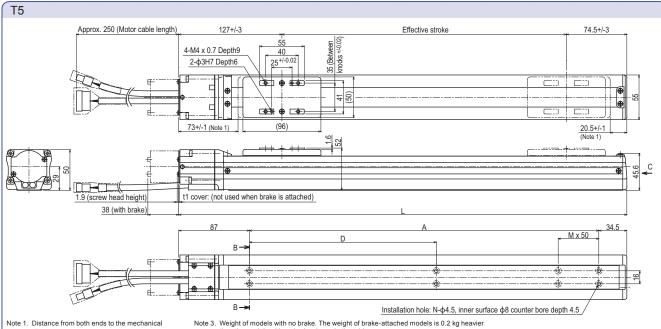
Static loading moment



		(Unit: N·m)
MY	MP	MR
30	34	40

I Co	ont	roll	er	
		1-		

Controller	Operation method
ERCX	Programming / I/O point trace / Remote command / Operation using RS-232C communication
ERCD	Pulse train control / Programming / I/O point trace / Remote command / Operation using RS-232C communication



stopper.
Note 2. Minimum bend radius of motor cable is R50.

Note 3. Weight of models with no brake. The weight of brake-attached models is 0.2 kg heavier than the models with no brake shown in the table.

Note 4. Effective strokes of 650 to 800 mm are only available with high lead specifications (Lead 20).

(Lead 20).																	
Effective	stroke	50	100	150	200	250	300	350	400	450	500	550	600	650 Note 4	700 Note 4	750 Note 4	800 Note 4
L		251 5	251 5 301.5 351.5 401 5 451.5 501.9				501.5	551.5	601.5	651.5	701.5	751.5	801.5	851.5	901.5	951 5	1001.5
Α		130	130 180 230 280 330 380 430				430	480	530	580	630	680	730	780	830	880	
D)	-	-	-	_	-	-	230	230	230	230	230	230	230	230	230	230
IV	I	0	1	2	3	4	5	0	1	2	3	4	5	6	7	8	9
N		4	4 6 8 10 12 14 6 8 10 12 14 16					16	18	20	22	24					
Weight (kg) Note 3	2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1					3.1	3.2	3.3	3.4	3.5						
Maximum	Lead 20		1200								960	840	720	660			
speed for each stroke Note 5	Lead 12		800									-	_	_	-		
	Lead 6		400										-	_	_	-	
	Speed setting							-						80%	70%	60%	55%

Note 5. When the stroke is longer than 650mm, 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 above.

