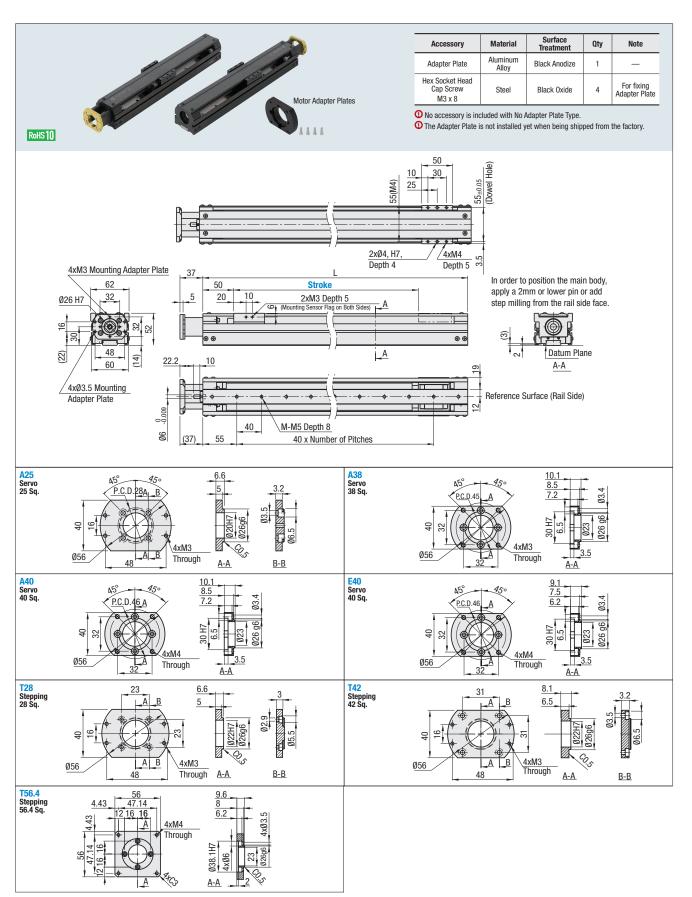
Ball Screw Driven



[Medium Accuracy] Single Axis Actuators LS10

Ball Screw Driven, continued

Part Number	Lead	Stroke (mm)	Motor Adapter Plates	L	Mass (kg)	Number of Holes (N)	Number of Pitches	Base Mounting
LS10		60	Servo Motor	190	1.20	3	2	
		100	A25 A38 A40 E40	230	1.33	4	3	From the Bottom
	02 04	140	Stepping Motor	270	1.47	5	4	of Base Rail
	04	220	T28, T42, T56.4 No Adapter Plate	350	1.73	7	6	(Tapped Hole)
		300	N	430	2.00	9	8	

Accuracy Standards

Accuracy Standards	Standard Value
Positioning Repeatability (mm)	±0.02
Running Parallelism (mm)	±0.02
Starting Torque (N/cm)	2

The standard values are measured after the rail is mounted. (It is not the value measured before the rails are bolted down.)

Stepping Motor Application Table

Part Number	Flange Size	Manufacturer	Product Number	Туре	Recommended Coupling
			CSK22	2-Phase	
T28	28 Sq.		CSK52	CSK52 5-Phase	
			ASC3	α-Step	SCXW21 SCPW21 CPDW19
	42 Sq.	Oriental Motor	PK24	2-Phase	
		Motor	CSK24	2-Pilase	
T42			RK54	5-Phase	
			RKS54 / PK54	5-Pilase	
			AS46, ASC46, AR46	α-Step	
T56.4	56.4 Sq.	NEMA Standards	NEMA23	_	CPDW19

1 The NEMA standard is standardized by National Electrical Manufactures Association in U.S.



Servo Motor Application Table

Part Number	Flange Size	Manufacturer	Product Number	Wattage	Recommended Coupling	
		V 1 51 11	SGMMJ-A1	10 W		
		Yasukawa Electric Corporation	SGMMJ-A2	20 W		
A25	25 Sq.	Corporation	SGMMJ-A3	30 W		
AZS	20 Sq.	Mitsubishi Electric	HG-AK0136	10 W		
		Corporation	HG-AK0236	20 W		
		Corporation	HG-AK0336	30 W		
			MSMD5A	50 W		
A38	38 Sg.	Panasonic	MSME5A	30 W	SCXW21 SCPW21 CPDW19	
ASO	30 Sq.	Fallasollic	MSMD01	100 W		
			MSME01	100 W		
		V 1 51 11	SGMJV-A5			
		Yasukawa Electric Corporation	SGMAH-A5			
		Oorporation	SGMAS-A5	50 W		
			HG-MR053	50 W		
		Mitsubishi Electric Corporation	HG-KR053			
A40	40 Sq.	Oorporation	HF-KP053			
		Sanyo Denki Co.,	Q1AA04003D	30 W		
		Ltd.	Q1AA04005D			
		Omron Corporation	R88M-K05030	50 W		
		Keyence	MV-M05	30 W		
		Corporation	SV-M005			
E40	40 Ca	SIEMENS	1FK7011-5	50 W	CPDW19	
E4U	40 Sq.	SIEIVIENS	1FK7015-5	100 W	CPDW19	

- O Product numbers and specifications of motors are subject to change. Please check the manufacturers' information.
- O Applicable motors and couplings are not limited to the above listed products. Please confirm each



Photo Sensor Types – Set Part Specification

Code	Sensor Type		r Configurable to turn ON or OFF when Light is blocked. Sensor Flag Mounting Sensor Flag Mounting Screw		Sensor Mounting	r Mounting Sensor Bracket Mounting				
		Sensor				Sensor Mounting Screw Bracket		Bracket Mounting Screw	Bracket Mounting Nut	Note
MP_	Photomicro Sensor	FPMY45	_pc(s)	Dedicated	Hex Socket Head Cap Screw M3 x 6, 2 pcs.	Hex Socket Head Cap Screw M3 x 6, 2 pcs.	Dedicated	Hex Socket Head Cap Screw M3 x 6, 2 pcs.	Hex Nut, 2 pcs.	1 m Cable

10 The Sensor Qty. is inserted in the "" part (within the range of 1–3 pc(s).). When the stroke amount is 100 or less, however, the upper limit for the Sensor Qty. is 2 pcs.

Proximity Sensor Types – Set Part Specification

			Sensor Type/Qty.		Sensor Flag Mounting		Sensor Mounting		1
Code	Sensor Type	Sensor	ON When Near	ON When Away	Sensor Flag	Sensor Flag Mounting Screw	Sensor Mounting Screw	Sensor Mounting Nut	Note
PR_	Proximity Sensor – Two-Wire Type	EX4-T12	_pc(s).	_	Dedicated	Hex Socket Head Cap Screw M3 x 6, 2 pcs.	Pan Head Screw M3 x 10	Hex Nut 1 pc.	1 m Cable
PRO_	Proximity Sensor – Three-Wire Type with N.O. Output	EMX4-T12	_pc(s).	_					
PRC_	Proximity Sensor – Three-Wire Type with N.C. Output	EMX4-T12C	_	_pc(s).					
PRW1		_	1 pc.	1 pc.					
PRW2	Proximity Sensor – Three-Wire, Combination Type		1 pc.	2 pcs.					
PRW3			2 pcs.	1 pc.					

The Sensor Qty. is inserted in the "" part (within the range of 1-3 pc(s).). When the stroke amount is 100 or less, however, the upper limit for the Sensor Qty. is 2 pcs.

