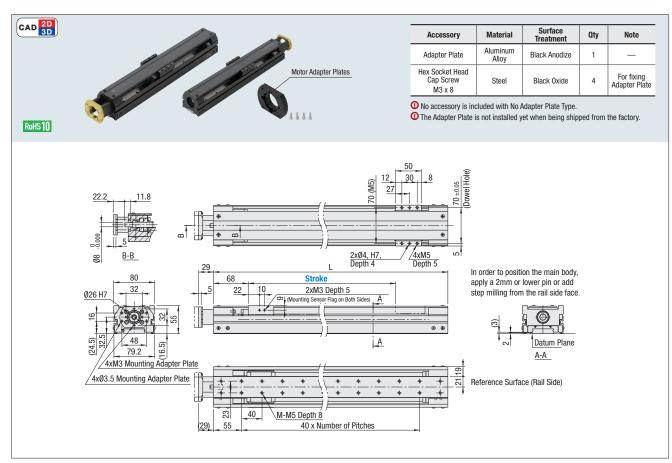
Ball Screw Driven



A38 Servo 38 Sq.	4xM3 056 AAA 10.1 8.5 7.2 4xM3 Through AAA 3.5	A40 Servo 40 Sq.	056 32 A Through AAA 3.5 AAA
E40 Servo 40 Sq.	9.1 7.5 6.2 8 9.1 7.5 6.2 8 9.1 7.5 8 9.1 8 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1	T42 Stepping 42 Sq.	31 A B 6.5 3.2 9.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0
T56.4 Stepping 56.4 Sq.	4.43 47.14 9.6 8.6.2 9.6 8.6.2 9.6 8.6.2 9.6 8.6.2 9.6 8.6.2 9.6 8.6.2 9.6 8.6.2 9.6 8.6.2 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6	T60 Stepping 60 Sq.	5 50 11.6 10 6.2 4xM4 Through AAA 2 32 AAA 2 32 AAA 2 32 AAA 2 32 4xM4 4xM4 4xM4 AAA 2 32 AAA 2 32 4xM4 AAA 2 32 4xM4 4xM4

[Medium Accuracy] Single Axis Actuators LS12

Ball Screw Driven, continued

Part Number	Lead	Stroke (mm)	Motor Adapter Plates	L	Mass (kg)	Number of Holes (N)	Number of Pitches	Base Mounting
		60	Servo Motor	190	1.20	3	2	
		100	A38 A40 E40	230	1.33	4	3	From the Bottom
LS12	05	140		270	1.47	5	4	of Base Rail
2012	10	220	Stepping Motor T42, T56,4, T60	350	1.73	7	6	(Tapped Hole)
		300	142, 100.4, 100	430	2.00	9	8	
	380 No Adap		No Adapter Plate	550	3.82	24	11	
		460	IN IN	630	4.20	28	13	

Accuracy Standards

Accuracy Standards	Standard Value
Positioning Repeatability (mm)	±0.02
Running Parallelism (mm)	±0.02
Starting Torque (N/cm)	7

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	
T42 T60 T56.4			PK24	2-Phase		
	42 Sq.		RKS54 / PK54	RKS54 / PK54 5-Phase		
		Oriental Motor	AS46 / ASC46 / AR46 α-Step		SCXW21 SCPW21	
	60 Sq. 56.4 Sq.	Motor	RKS56 / PK56	RKS56 / PK56 5-Phase		
			AS6 / ASC66 / AR66	α-Step		
			PK26	20 W		
		NEMA Standards	NEMA23	_	CPDW19	

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

A	Part Number	Part Number	-	Stroke	-	Motor Plates	
	Example	LS1205	-	300	-	A38	

Servo Motor Application Table

Part Number	Flange Size	Manufacturer	Product Number	Wattage	Recommended Coupling	
A38	38 Sq.	Panasonic MSMD5A/MSME5A MSMD5A/MSME5A MSMD01/MSME01 SGMJV-A5 SGMJV-A5 SGMAH-A5 SGMAH-A5 SGMAH-O1 HG-MR053 HG-MR053 D1AA044003D D1AA044003D D1AA044005D D1AA044010D R88M-K05030 R88M-K10030 MV-M05 SV-M005 MV-M10 SV-M010	50 W			
AJO	30 Sq.	Fallasollic	MSMD01/MSME01	100 W		
			SGMJV-A5	50 W		
	1					
		Corporation	SGMAH-01	100 W		
		Mitsubishi Electric	HG-MR053	50 W		
		Corporation HG-MR13 100	Corporation	Corporation	100 W	00/44/04
	40 Sq.	0 0 1:0	Q1AA04003D	30 W	SCXW21 SCPW21	
A40			Q1AA04005D	50 W	CPDW19	
A40	40 Sq.	Ltu.	Q1AA04010D	100 W	GEDWIS	
		Omean Corneration	R88M-K05030	50 W		
		Official Corporation	R88M-K10030	100 W		
			MV-M05	50 W		
		Keyence	SV-M005	50 W		
		Corporation	MV-M10	100 W		
			SV-M010	100 W		
E40	40.0- CIEMENIO		1FK7011-5	50 W	CDDW2E	
E40	40 Sq.	SIEMENS	1FK7015-5	100 W	CPDW25	
<u> </u>						

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



Photo Sensor Types – Set Part Specification

0-4-			Sensor Type/Qty.	Senso	r Flag Mounting	Sensor Mounting		Sensor Bracket Mo	unting	
Code	Sensor Type	Sensor	Configurable to turn ON or OFF when Light is blocked.	Sensor Flag	Sensor Flag Mounting Screw	Sensor Mounting Screw			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

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 1	Sensor Type/Qty.		or Flag Mounting	Sensor Mounting			
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).	_				Pan Head Screw Hex Nut 1 pc.		
PRO_	Proximity Sensor – Three-Wire Type with N.O. Output	EMX4-T12	_pc(s).	_			Pan Head Screw		1 m Cable	
PRC_	Proximity Sensor – Three-Wire Type with N.C. Output	EMX4-T12C	_	_pc(s).	Dedicated	Hex Socket Head Cap				
PRW1				1 pc.	1 pc.	Deulcaleu	Screw M3 x 6, 2 pcs.	M3 x 10	nex Nut 1 pc.	I III Gable
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.

