

Single Axis Actuators LX20 Standard / Cover Type



Convenient Sensor Sets are also available. [P.420](#)

Design/Utility Model Registered

Specifications
LX20
Standard / Cover

Screw Shaft Dia. (mm)	6
Lead (mm)	1, 5
Accuracy	High Grade / Precision Grade

A Accessory

- ① Motor Adapter Plate **M** EN AW-5052 Equiv. **S** Black Anodize
- ② Adapter Plate Screw 4 pcs. **M** EN 1.4567 Equiv.
- ③ No accessory is included with No Motor Bracket Type.
- ④ For Material table, see [P.411](#)

Part Number	Standard Grease		Low Dust Generation Grease		Lubrication Unit MX-equipped (Standard Grease)	
	High Grade	Precision Grade	High Grade	Precision Grade	High Grade	Precision Grade
Lead 1	LX2001 (C)	LX2001 (C) P	LX2001 (C) G	LX2001 (C) PG	LX2001 (C) -MX	LX2001 (C) P-MX
Lead 5	LX2005 (C)	LX2005 (C) P	LX2005 (C) G	LX2005 (C) PG	LX2005 (C) -MX	LX2005 (C) P-MX

④ (C) is for Cover Type.

Standard Type

Cover Type

Block Details of LX2005 (Standard)

*1: Dowel Holes for Base Positioning
*2: Tapped Holes for Sensor Flag Mount
*3: Value in () is for Lubrication Unit MX-equipped Type.

*When using LX20 No Motor Bracket Type as per the folding specifications given on [P.433](#) to [P.436](#), shaft may get damaged by the belt tension. Refrain from using it.

*For Double Block Type, double-dashed lined blocks are not connected with the ball screw.

*Precision specification value is the value achieved after fixing rails. (It is not a value before tightening the rail screws.) For values, see [P.413](#)

Part Number		Block Qty.	Motor Adapter Plates	Base Length (L)	* Effective Stroke			Total Mass (kg)				Mounting Hole Dimensions			
High Grade	* Precision Grade				B1	B2	MX-equipped (B1)	B1	B2	B1	B2	A	P	B	
(Standard Grease)	(Standard Grease)	(1 pc.)	(Servo Motor) A2025 A2028 A2038 A2040 E2040	80 (Lead 1 only)	16.5	-	-	0.40	0.51	-	-	10	10	1	4
LX2001 (C)	LX2001 (C) P	B1		100	36.5	-	-	0.45	0.56	-	-	20	20		
LX2005 (C)	LX2005 (C) P			150	86.5	-	-	76.5	0.58	0.69	-	15	15		
(Low Dust Generation Grease)	(Low Dust Generation Grease)	(Stepping Motor) T2028 T2042 T2056.4		200	136.5	79.5	126.5	0.71	0.79	0.81	0.97	40	40		
LX2001 (C) G	LX2001 (C) PG			250	186.5	129.5	176.5	0.83	0.92	0.94	1.10	35	35	3	8
LX2005 (C) G	LX2005 (C) PG			300	236.5	179.5	226.5	0.96	1.05	1.07	1.23	30	30	4	10
(Lubrication Unit MX-equipped, Standard Grease)	(Lubrication Unit MX-equipped, Standard Grease)	(No Adapter Plate) N													
LX2001 (C) -MX	LX2001 (C) P-MX														
LX2005 (C) -MX	LX2005 (C) P-MX														

* Precision Certificate is enclosed with precision grade products.

* Motor adapter plate and mounting screws are not included with No Adapter Plate Type.

* Effective stroke is indicated in dimensions with a margin of 2.5mm each from the ends.

* (C) is for Cover Type.

④ For Max. Velocity, see [P.413](#)

④ For Moment of Inertia, see [P.412](#)

④ 0.004kg will be added to MX-equipped types.

Servo Motor Application Table

Part Number	Flange Size	Manufacturer	Wattage
A2025	<input type="checkbox"/> 25	Yasukawa/ Mitsubishi Electric Corporation	10W/20W/30W
A2028	<input type="checkbox"/> 28	Mitsubishi Electric Corporation	
A2038	<input type="checkbox"/> 38	Panasonic	30W/50W/100W
E2040		SIEMENS	50W/100W
A2040	<input type="checkbox"/> 40	Yasukawa Electric Corporation Mitsubishi Electric Corporation Keyence Corporation Omron Corporation Sanyo Denki Co., Ltd.	50W 30W/50W

④ For details on supported motor types and detailed diagram of Motor Adapter Plates, see [P.419](#)

Stepping Motor Application Table

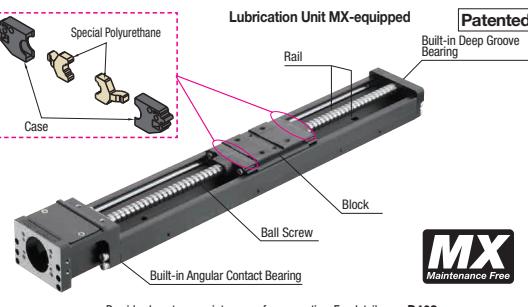
Part Number	Flange Size	Manufacturer	Type
T2028	<input type="checkbox"/> 28	Oriental Motor	2-phase / 5-phase / α -Step
T2042	<input type="checkbox"/> 42		
T2056.4	<input type="checkbox"/> 56.4	NEMA standards	-

④ NEMA standards are a set of standards stipulated by National Electrical Manufacturers Association of United States.

④ For details on supported motor types and detailed diagram of Motor Adapter Plates, see [P.419](#)



Part Number - Block Qty. - Motor Adapter Plates - Base Length (L)
LX2001C - B1 - A2025 - 200
LX2005-MX - B1 - A2028 - 150



Unit price for Precision Grade / Low Particle Generation Grease Option / Lubrication Unit MX-equipped	
Specifications	Unit Price
Precision Grade	
Low Dust Generation Grease	
Lubrication Unit MX-equipped	
④ Listed Price + Unit Price = Product Price	
④ Volume Discount Rate is applicable.	

High Grade Unit Price

Part Number	L=80 (Lead 1 only)	L=100	L=150	L=200	L=250 (Lead 5 only)	L=300 (Lead 5 only)	Motor Adapter Plates	Block Qty.	Screw Shaft Dia.	Lead
LX20□□-B1-□							Servo Stepping No Adapter Plate	1	6	1
LX20□□-B2-□	-	-	-	-	-	-				
LX20□□-B1-F							No Bracket	1	2	5
LX20□□-B2-F	-	-	-	-	-	-				
LX20□□-C-B1-□							Servo Stepping No Adapter Plate	1	6	1
LX20□□-C-B2-□	-	-	-	-	-	-				
LX20□□-C-B1-F							No Bracket	1	2	5
LX20□□-C-B2-F	-	-	-	-	-	-				

④ LX20□□(C) Series sensor set can be specified as an alteration. For detailed alteration diagram, see [P.420](#)