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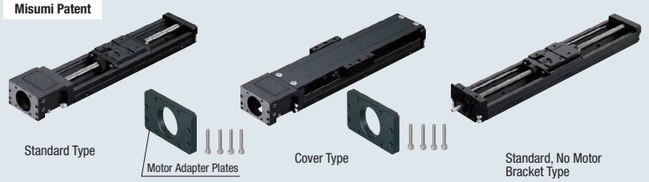
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Single Axis Actuators LX26

Standard / Cover Type

ⓘ For Single Axis Actuator LX Series selections, please use our 2D and 3D CAD data and Technical Calculation Software (free of charge). http://www.misumiusa.com/lx-actuator/

Misumi Patent

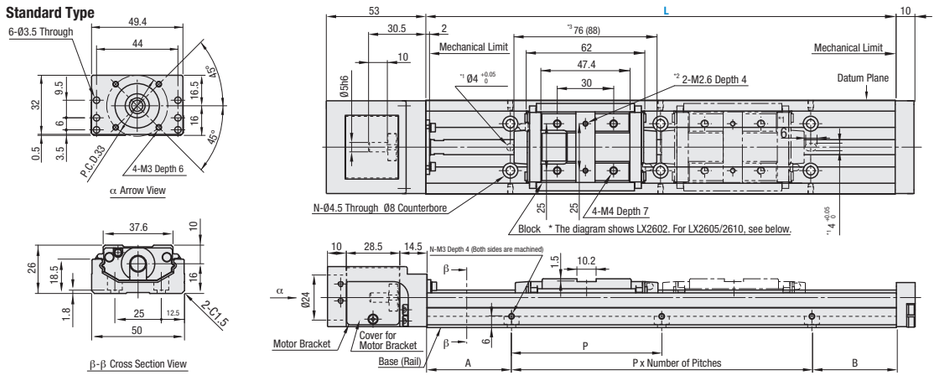


Specifications	
LX26	
Standard / Cover	
Screw Shaft Diameter (mm)	8
Lead (mm)	2, 5, 10
Accuracy	High Grade / Precision Grade
Accessories	
(1) Motor Adapter Plate	
Material: 5052 Aluminum Alloy **Surface Treatment:** Black Anodize	
(2) Adapter Plate Screw 4 pcs.	
Material: Stainless Steel XM7	
ⓘ No accessory is included with No Motor Bracket Type.	

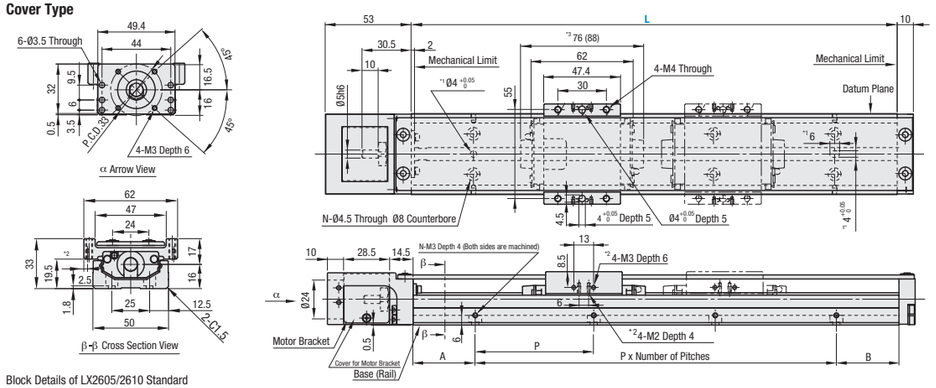
Part Number	Standard Grease		Low Dust Generation Grease		Lubrication Unit MX-Equipped (Standard Grease)	
	High Grade	Precision Grade	High Grade	Precision Grade	High Grade	Precision Grade
Lead 2	LX2602 (C)	LX2602 (C) P	LX2602 (C) G	LX2602 (C) PG	LX2602 (C)-MX	LX2602 (C) P-MX
Lead 5	LX2605 (C)	LX2605 (C) P	LX2605 (C) G	LX2605 (C) PG	LX2605 (C)-MX	LX2605 (C) P-MX
Lead 10	LX2610 (C)	LX2610 (C) P	LX2610(C) G	LX2610 (C) PG	LX2610 (C)-MX	LX2610 (C) P-MX

ⓘ (C) is for Cover Type. ⓘ Low Dust Generation Grease Information **P.523**. ⓘ Lubrication Unit MX Information **P.519**.

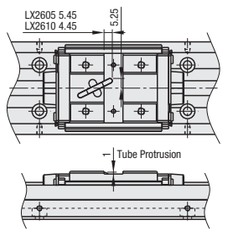
Standard Type



Cover Type



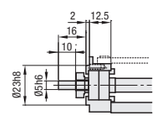
Block Details of LX2605/2610 Standard



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

No Motor Bracket Type

*For details of the mounting parts, see **P.532**.



ⓘ Effective stroke is the value with 2.5 mm margin on each side from mechanical limits, i.e., 5 mm in total.
ⓘ For Double Block Type, effective strokes are the values when two blocks contact with each other. ⓘ 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.522**.
ⓘ When using LX26 No Motor Bracket Type as per the folding specifications give on **P.542** to **P.545**, shaft may be damaged by the belt tension. Refrain from using it.

Single Axis Actuators LX26

Standard / Cover Type

ⓘ For Single Axis Actuator LX Series selections, please use our 2D and 3D CAD data and Technical Calculation Software (free of charge). http://www.misumiusa.com/lx-actuator/

Linear Actuators

Part Number		Block Qty.	Motor Adapter Plates	Base Length (L)	*Effective Stroke			Total Mass (kg)				Mounting Hole Dimensions				
								Standard		Cover						
High Grade	*Precision Grade				B1	B2	MX-Equipped (B1)	B1	B2	B1	B2	A	P	B	Number of Pitches	Number of Holes (N)
(Standard) LX2602 (C) LX2605 (C) LX2610 (C)	(Standard) LX2602 (C) P LX2605 (C) P LX2610 (C) P	(1 pc.) B1 *Lubrication Untis MX-equipped types and Lead 10 are available in B1 only (2 pcs.) B2	(Servo Motor) A2625 A2628 A2638 A2640 E2640 (Stepping Motor) T2628 T2642 T2656.4 *(No Adapter Plate) N *(No Motor Bracket) F	100 (Lead 2 only)	17	—	—	0.87	—	1.07	—	10	80	10	1	4
				150	67			0.95		1.15		35		35		
(Low Dust Generation Grease) LX2602 (C) G LX2605 (C) G LX2610 (C) G	(Low Dust Generation Grease) LX2602 (C) PG LX2605 (C) PG LX2610 (C) PG			200	117		105	1.16		1.36		20		20	2	6
				250	167	91	155	1.37	1.57	1.57	1.89	45		45		
(Lubrication Unit MX-equipped, Standard Grease) LX2602 (C) -MX LX2605 (C) -MX LX2610 (C) -MX	(Lubrication Unit MX-Equipped, Standard Grease) LX2602 (C) P-MX LX2605 (C) P-MX LX2610 (C) P-MX			300	217	141	205	1.58	1.78	1.78	2.10	30		30	3	8
				350 (Lead 5 and 10 only)	267	191	255	1.79	1.99	1.99	2.31	15		15	4	10
				400 (Lead 5 and 10 only)	317	241	305	2.00	2.20	2.20	2.52	40		40		

*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 dimension with a margin of 2.5mm each from the ends.
*(C) is for Cover Type.
ⓘ For Max. Velocity, see **P.522**.
ⓘ For Moment of Inertia, see **P.521**.
ⓘ 0.007 kg will be added to MX-equipped types.

Accuracy Standards

Accuracy Standards	High Grade	Precision Grade
Positioning (mm)	0.06	0.02
Backlash (mm)	0.01	0.003
Positioning Repeatability (mm)	±0.005	±0.003
Running Parallelism (mm)	0.025	0.01
Starting Torque (N•cm)	2	2

Servo Motor Application Table

Part Number	Flange Size	Manufacturer	Wattage
A2625	25 Sq.	Yasukawa/Mitsubishi Electric Corporation	10W/20W/30W
A2628	28 Sq.	Mitsubishi Electric Corporation	
A2638	38 Sq.	Panasonic	50W/100W
E2640	40 Sq.	ⓘ SIEMENS	
A2640		Yasukawa Electric Corporation	50W
		Mitsubishi Electric Corporation	
		Keyence Corporation	
		Omron Corporation	
		Sanyo Denki Co., Ltd.	30W/50W

ⓘ Shaft insertion depth on coupling will be 0.5mm shorter on each side when used with Siemens motor.
ⓘ For details on supported motor types and detailed diagram of Motor Adapter Plates, see **P.532**.

Stepping Motor Application Table

Part Number	Flange Size	Manufacturer	Wattage
T2628	28 Sq.	Oriental Motor	2-phase / 5-phase / α-Step
T2642	28 Sq.		
T2656.4	42 Sq.	NEMA Standards	—

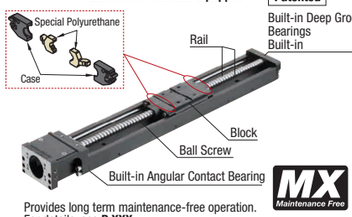
ⓘ NEMA standards are a set of standards stipulated by National Electrical Manufacturers Assocation of United States.
ⓘ For details on supported motor types, see **P.532**.

Part Number Example

Part Number		Block Qty.		Motor Adapter Plates		Base Length (L)
LX2602C	-	B1	-	A2640	-	300
LX2605-MX	-	B1	-	A2638	-	200

Lubrication Unit MX-Equipped **Patented**

Built-in Deep Groove Bearing Bearings Built-in



MX Maintenance Free

Provides long term maintenance-free operation.
For details, see **P.XXX**

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