

For Single Axis Actuator LX Series selections, please use our 2D and 3D CAD data and Technical Calculation Software (free of charge).

cifications P. 411 ~ P. 414 Selection / Life Calculation Example P2235~

High Accuracy, Compactness, Excellent Cost vs. Performance

Single Axis Actuators



Excellent Linear Motion Solution for Automation Designs

High Accuracy High Grade accuracies applied as standard (for all standard grade products).

Manufactured by MISUMI GROUP SURUGA Production Platform Co., Ltd. (former MISUMI-Suruga Seiki Co. Ltd.), reputable XY Stage provider.

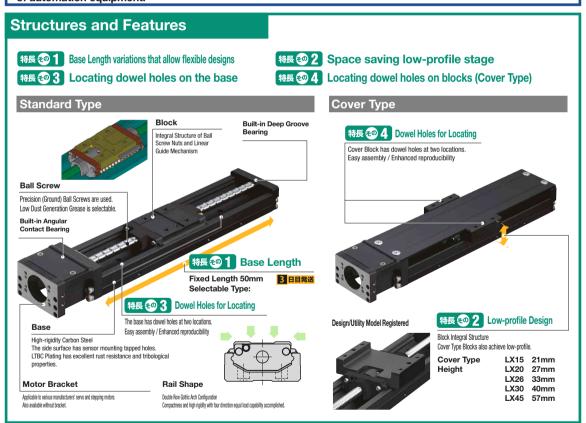
Repeatability of ±5µm guaranteed. Precision Grade (±3µm) is selectable.

Exceptional low-profile design

Low-profile achieved by the integral structure of blocks. Suitable for limited spaces.

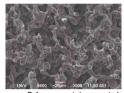
High Grade specs. are offered at reasonable Standard Grade prices.

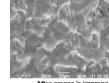
High Grade accuracy at Standard Grade prices. Achieving cost reduction of automation equipment.



Structure of Lubrication Unit MX Patented Special Polyurethane Built-in Deep Groove Bearing Built-in Angular Contact Bearing

Enlarged Photos of Special Polygrethane Pores



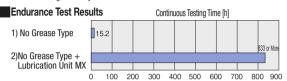


1 Long Term Maintenance-free Condition

- · Lubrication Unit MX is a self-lubrication unit constructed of grease impregnated special polyurethane. Capillary action provides appropriate
- · Oil film is always formed on the ball screws and rails, providing long term maintenance-free operations.

2 Cost Advantages

MX unit-equipped products significantly reduce lubrication frequency. which significantly saves maintenance time and costs.

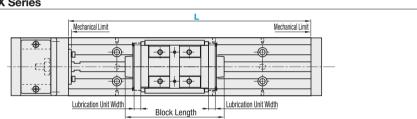


MX unit-equipped products showed good lubrication conditions even after exceeding 800 hrs, while part seizure was observed with non-greased samples within 20 hrs.

* These are not guaranteed values but reference values.

lest conditions		
(1) Part Number		
(2) Installation Orientation	Vertical Test	
(3) Load Condition	15kgf Load	
(4) Test Stroke	200mm	
(5) Travel Speed	136mm/s	

Grease impregnated special polyurethane provides appropriate supply of grease on ball screws and rails Specifications of MX Series



Part Number	Block Qty.	Base Length (L)	Effective Stroke	Block Length	Lubrication Unit Width	Page
	1	100	43.9		4	
	(1 nc.)	125	68.9	49.6		
LX15 -MX	(1 pc.)	150	93.9			P.415, 416
	B1	175	118.9			
		200	143.9			
		150	76.5	67	5	P.417, 418
LX20 -MX	(1 pc.) B1	200	126.5			
LAZOWA		250	176.5			
		300	226.5			
		200	105	88	6	P.421, 422
	(1 pc.)	250	155			
LX26MX	B1	300	205			
	DI	350	255			
		400	305			
		200	90	102		P425, 426 P433, 434
		250 300	140 190			
	Long					
	Block	350	240 290			
	(1 pc.)	400 450	340			
	B1	500	340		7	
		550	440			
		600	490			
LX(R)30 -MX		150	65.5			
LA(R)30IVIA		200	115.5	-		
		250	165.5	-		
	Short	300	215.5	-		
	Block	350	265.5			
	(1 pc.)	400	315.5	76.5		
	S1	450	365.5			
	51	500	415.5			
		550	465.5			
		600	515.5	1		
		340	194.4	137.6	8	P.429, 430 P.435, 436
	Long	390	244.4			
	Block (1 pc.)	440	294.4			
		490	344.4			
	B1	540	394.4			
V/D)4E D NAV	/IX	590	444.4			
LX(R)45□□-MX		340	231.9			
	Short	390	281.9			
	Block	440	331.9	100.1		
	(1 pc.)	490	381.9			
	S1	540	431.9			
	0.	590	481.9			

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Part Number	Unit Price	
LX15 -MX		
LX20 -MX		
LX26 -MX		
LX(R)30 -MX		
LX(R)45MX		
Toul V MV listed and disk asies in added to the con-		

For LX-MX, listed product price is added to the unit

Volume Discount Rate is applicable.

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



Part Number

Block Qty.

Motor Adapter Plates

Base Length (L)