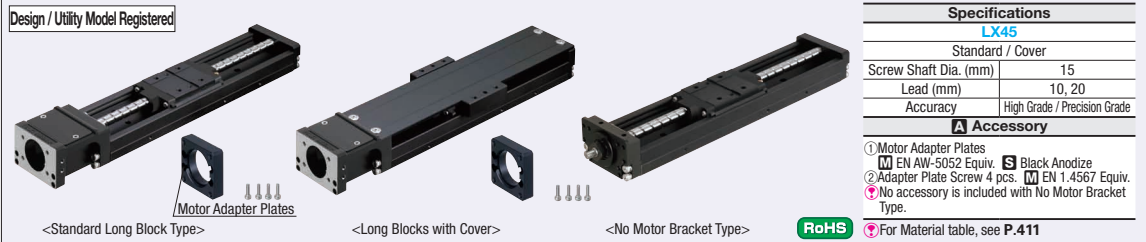


Single Axis Actuators LX45 Standard / Cover Type



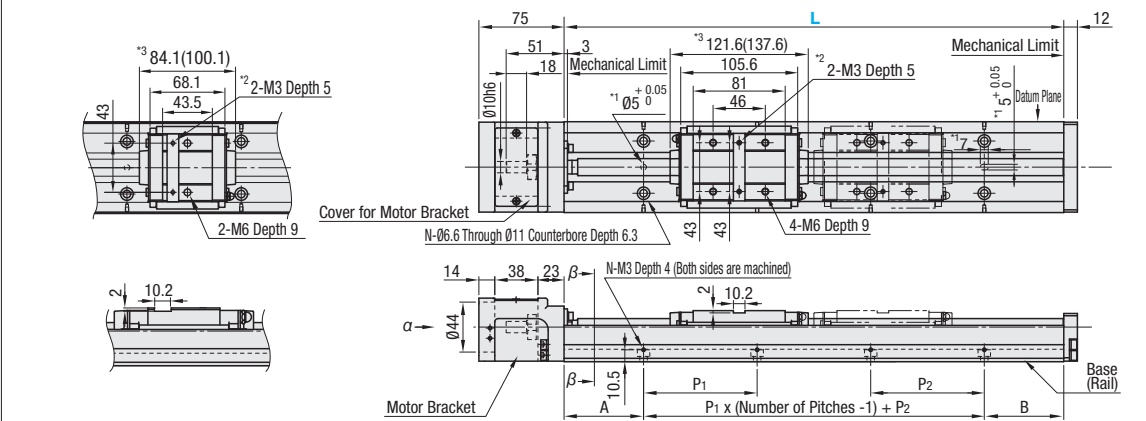
Convenient Sensor Sets are also available. P392



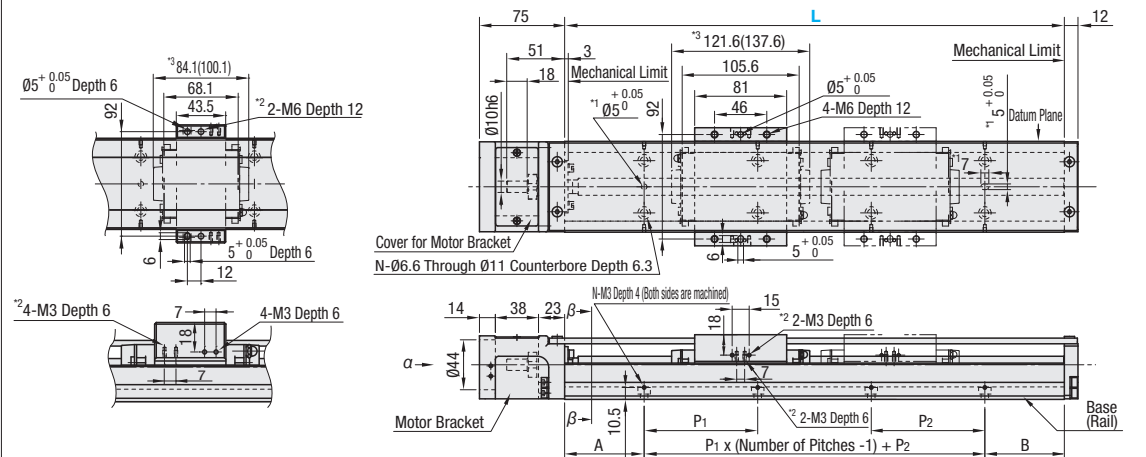
Part Number	Standard Grease		Low Dust Generation Grease		Lubrication Unit MX-equipped (Standard Grease)	
	High Grade	Precision Grade	High Grade	Precision Grade	High Grade	Precision Grade
Lead 10	LX4510 (C)	LX4510 (C) P	LX4510 (C) G	LX4510 (C) PG	LX4510 (C) -MX	LX4510 (C) P-MX
Lead 20	LX4520 (C)	LX4520 (C) P	LX4520 (C) G	LX4520 (C) PG	LX4520 (C) -MX	LX4520 (C) P-MX

(C) is for Cover Type. Low Dust Generation Grease Information P414 Lubrication Unit MX Information P408

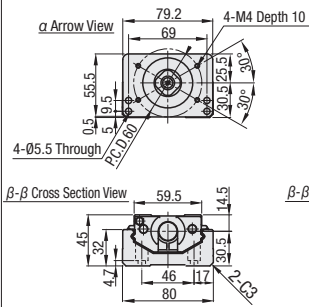
Standard Short Block Type



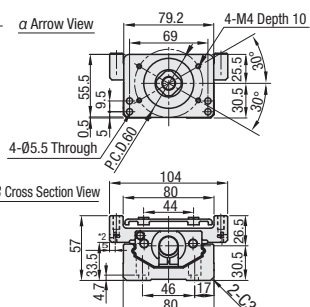
Short Blocks with Cover



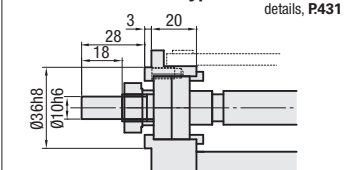
Standard



Cover



No Motor Bracket Type



Part Number		Block Qty.	Motor Adapter Plates	Base Length (L)	Mounting Hole Dimensions					
High Grade	* Precision Grade				A	P1	P2	B	Number of Pitches	Number of Holes (N)
(Standard Grease) LX4510 (C) LX4520 (C)	(Standard Grease) LX4510 (C) P LX4520 (C) P	Long Blocks (1 pc.) B1 (2 pcs.) B2	(Servo Motor) A4538 A4540 MA4560 A4560 E4540 E4555	340	70	100	100	70	2	6
(Low Dust Generation Grease) LX4510 (C) G LX4520 (C) G	(Low Dust Generation Grease) LX4510 (C) PG LX4520 (C) PG	Short Blocks (1 pc.) S1 (2 pcs.) S2	(Stepping Motor) T4560 T4556.4 T4585	390			50		3	8
(Lubrication Unit MX-equipped, Standard Grease) LX4510 (C) -MX LX4520 (C) -MX	(Lubrication Unit MX-equipped, Standard Grease) LX4510 (C) P-MX LX4520 (C) P-MX	*Lubrication Units MX-equipped types are available in B1/S1 only.	(No Adapter Plate) N (No Motor Bracket) F	440			100		4	10
				490			50		5	12
				540			100			
				590			50			

* Precision Certificate is enclosed with precision grade products. * Motor adapter plate and mounting screws are not included with No Adapter Plate Type. * (C) is for Cover Type.

Accuracy Standards

Accuracy Standards	High Grade	Precision Grade
Positioning (mm)	0.1	0.025
Backlash (mm)	0.02	0.003
Positioning Repeatability (mm)	±0.005	±0.003
Running Parallelism (mm)	0.035	0.015
Starting Torque (N-cm)	10	

See P413 for Maximum Velocity.
See P412 for Moment of Inertia.

Effective Stroke, Total Mass

Base Overall Length (L)	* Effective Stroke						* Total Mass (kg)							
	MX-unequipped				MX-equipped		Standard				Cover			
	B1	B2	S1	S2	B1	S1	B1	B2	S1	S2	B1	B2	S1	S2
340	210.4	88.8	247.9	163.8	194.4	231.9	5.77	6.69	5.37	5.91	6.59	8.09	5.94	6.78
390	260.4	138.8	297.9	213.8	244.4	281.9	6.37	7.29	5.98	6.51	7.23	8.73	6.57	7.41
440	310.4	188.8	347.9	263.8	294.4	331.9	6.97	7.9	6.58	7.11	7.86	9.36	7.2	8.04
490	360.4	238.8	397.9	313.8	344.4	381.9	7.57	8.5	7.18	7.71	8.49	9.99	7.84	8.68
540	410.4	288.8	447.9	363.8	394.4	431.9	8.18	9.1	7.78	8.31	9.13	10.63	8.47	9.31
590	460.4	338.8	497.9	413.8	444.4	481.9	8.78	9.7	8.39	8.92	9.76	11.26	9.1	9.94

* Effective stroke is indicated in dimensions with a margin of 2.5mm each from the ends.
* MX-equipped types are +0.024kg.

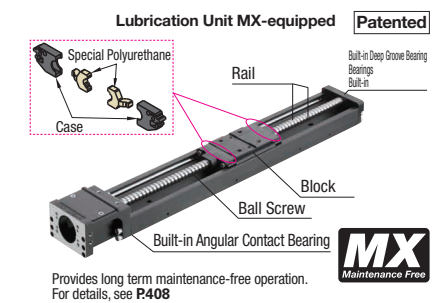
Servo Motor Application Table

Part Number	Flange Size	Manufacturer	Wattage
A4538	38	Panasonic	
A4540	40	Yasukawa Electric Corporation	50W/100W
		Mitsubishi Electric Corporation	
		Keyence Corporation	
A4560	60	Omron Corporation	30W/50W/100W
		Sanyo Denki Co., Ltd.	
		Yasukawa Electric Corporation	
MA4560	60	Mitsubishi Electric Corporation	200W/400W
		Sanyo Denki Co., Ltd.	
		Omron Corporation	
MA4560	60	Keyence Corporation	100W/200W/300W
		Panasonic	

For detailed diagram of Motor Adapter Plates, see P431
For details on supported motor types, see P437



Part Number	-	Block Qty.	-	Motor Adapter Plates	-	Base Length (L)
LX4510C	-	B1	-	A4540	-	540
LX4520-MX	-	B1	-	A4560	-	390



Provides long term maintenance-free operation.
For details, see P408

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	

Listed Price + Unit Price = Product Price
Volume Discount Rate is applicable.

High Grade Unit Price									
Part Number	L=340	L=390	L=440	L=490	L=540	L=590	Motor Adapter Plates	Block Qty.	Screw Shaft Dia.
LX45□□-B1/S1-□							Servo Stepping No Adapter Plate	1	15
LX45□□-B2/S2-□								2	
LX45□□-B1/S1-F								1	
LX45□□-B2/S2-F							No Bracket	2	15
LX45□□-C-B1/S1-□								1	
LX45□□-C-B2/S2-□								2	
LX45□□-C-B1/S1-F							No Bracket	1	15
LX45□□-C-B2/S2-F								2	

LX45□□(C) Series sensor set can be specified as an alteration. For Detailed alteration diagram, see P432