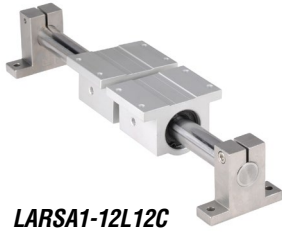




Linear Motion Products

Round-Shaft Slide Elements



LARS A1-12L12C



LARS B1-12L12C

Description

Round-shaft sliding elements can be combined with other elements to build a huge variety of machine mechanisms. Available in both end- and continuously-supported shafts.

Features

- Linear ball bearings
- High quality clear anodized aluminum blocks
- AISI 1566 Carbon Steel, 60 RC Round Shafts

Slide Rail Systems Load Ratings			
Part Number	Normal (lb)		Transverse (lb)
	Down	Up	
Pillow Blocks / Bushings for LARS A1			
LARSACC-001/007			230
LARSACC-002/008			470
LARSACC-003/009			850
LARS A1 Linear Slide Assemblies			
LARS A1-08LxxC			460
LARS A1-12LxxC			940
LARS A1-16LxxC			1700
Pillow Blocks / Bushings for LARS B1			
LARSACC-004/010	230	161	230
LARSACC-005/011	470	268	470
LARSACC-006/012	850	485	850
LARS B1 Linear Slide Assemblies			
LARS B1-08LxxC	460	322	460
LARS B1-12LxxC	940	536	940
LARS B1-16LxxC	1700	970	1700

End-Supported Slide Rail Systems and Accessories

Part Number	Price	Description	Weight (lb)
LARS A1-08L12C	\$269.00	SureMotion, linear slide assembly, end supported, round shaft, 1/2 in diameter, 12 inch length, carbon steel. (2) single pillow blocks included.	1.5
LARS A1-08L24C	\$279.00	SureMotion, linear slide assembly, end supported, round shaft, 1/2 in diameter, 24 inch length, carbon steel. (2) single pillow blocks included.	2.0
LARS A1-08L36C	\$299.00	SureMotion, linear slide assembly, end supported, round shaft, 1/2 in diameter, 36 inch length, carbon steel. (2) single pillow blocks included.	2.7
LARS A1-12L12C	\$339.00	SureMotion, linear slide assembly, end supported, round shaft, 3/4 in diameter, 12 inch length, carbon steel. (2) single pillow blocks included.	3.0
LARS A1-12L24C	\$359.00	SureMotion, linear slide assembly, end supported, round shaft, 3/4 in diameter, 24 inch length, carbon steel. (2) single pillow blocks included.	4.5
LARS A1-12L36C	\$379.00	SureMotion, linear slide assembly, end supported, round shaft, 3/4 in diameter, 36 inch length, carbon steel. (2) single pillow blocks included.	6.0
LARS A1-16L12C	\$454.00	SureMotion, linear slide assembly, end supported, round shaft, 1 in diameter, 12 inch length, carbon steel. (2) single pillow blocks included.	6.0
LARS A1-16L24C	\$484.00	SureMotion, linear slide assembly, end supported, round shaft, 1 in diameter, 24 inch length, carbon steel. (2) single pillow blocks included.	8.5
LARS A1-16L36C	\$509.00	SureMotion, linear slide assembly, end supported, round shaft, 1 in diameter, 36 inch length, carbon steel. (2) single pillow blocks included.	11.0
LARSACC-001*	\$55.00	SureMotion single pillow block, closed type, linear ball bushing, 1/2 in inside diameter.	0.3
LARSACC-002*	\$67.00	SureMotion single pillow block, closed type, linear ball bushing, 3/4 in inside diameter.	0.6
LARSACC-003*	\$96.00	SureMotion single pillow block, closed type, linear ball bushing, 1 in inside diameter.	1.2
LARSACC-007*	\$20.00	SureMotion linear ball bushing, closed type, 1/2 in inside diameter, with seals, self-aligning.	0.1
LARSACC-008*	\$24.00	SureMotion linear ball bushing, closed type, 3/4 in inside diameter, with seals, self-aligning.	0.2
LARSACC-009*	\$39.00	SureMotion linear ball bushing, closed type, 1 in inside diameter, with seals, self-aligning.	0.3

Continuously-Supported Slide Rail Systems and Accessories

LARS B1-08L12C	\$279.00	SureMotion, linear slide assembly, continuously supported, round shaft, 1/2 in diameter, 12 in length, carbon steel. (2) single pillow blocks included.	2.0
LARS B1-08L24C	\$347.00	SureMotion, linear slide assembly, continuously supported, round shaft, 1/2 in diameter, 24 in length, carbon steel. (2) single pillow blocks included.	3.0
LARS B1-08L36C	\$431.00	SureMotion, linear slide assembly, continuously supported, round shaft, 1/2 in diameter, 36 in length, carbon steel. (2) single pillow blocks included.	4.5
LARS B1-12L12C	\$348.00	SureMotion, linear slide assembly, continuously supported, round shaft, 3/4 in diameter, 12 in length, carbon steel. (2) single pillow blocks included.	4.0
LARS B1-12L24C	\$454.00	SureMotion, linear slide assembly, continuously supported, round shaft, 3/4 in diameter, 24 in length, carbon steel. (2) single pillow blocks included.	6.2
LARS B1-12L36C	\$556.00	SureMotion, linear slide assembly, continuously supported, round shaft, 3/4 in diameter, 36 in length, carbon steel. (2) single pillow blocks included.	9.0
LARS B1-16L12C	\$451.00	SureMotion, linear slide assembly, continuously supported, round shaft, 1 in diameter, 12 in length, carbon steel. (2) single pillow blocks included.	6.5
LARS B1-16L24C	\$583.00	SureMotion, linear slide assembly, continuously supported, round shaft, 1 in diameter, 24 in length, carbon steel. (2) single pillow blocks included.	10.5
LARS B1-16L36C	\$703.00	SureMotion, linear slide assembly, continuously supported, round shaft, 1 in diameter, 36 in length, carbon steel. (2) single pillow blocks included.	14.5
LARSACC-004*	\$58.00	SureMotion single pillow block, open type, linear ball bushing, 1/2 in inside diameter.	0.2
LARSACC-005*	\$74.00	SureMotion single pillow block, open type, linear ball bushing, 3/4 in inside diameter.	0.5
LARSACC-006*	\$103.00	SureMotion single pillow block, open type, linear ball bushing, 1 in inside diameter.	1.0
LARSACC-010*	\$24.00	SureMotion linear ball bushing, open type, 1/2 in inside diameter, with seals, self-aligning.	0.1
LARSACC-011*	\$30.00	SureMotion linear ball bushing, open type, 3/4 in inside diameter, with seals, self-aligning.	0.1
LARSACC-012*	\$51.00	SureMotion linear ball bushing, open type, 1 in inside diameter, with seals, self-aligning.	0.2

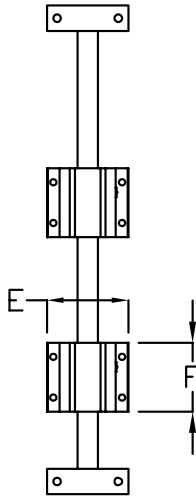
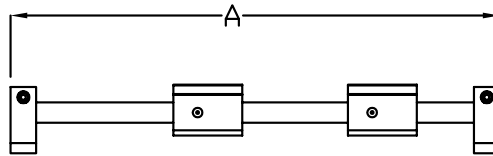
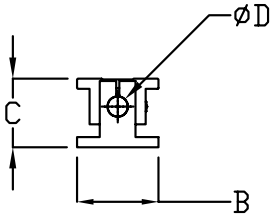
* Bushings and pillow blocks are replacement components that are the same as the original components in the slide assemblies.



Linear Motion Products

Round-Shaft Slide Elements

Dimensions (in [mm])



**LARSA1-xxLxxC
& LARSB1-xxLxxC***

PART #	A	B	C	ØD	E	F
LARSA1-08L12C	12.0 [304.8]	2.00 [50.8]	1.70 [42.9]	0.50 [12.7]	2.00 [50.8]	1.69 [42.9]
LARSA1-08L24C	24.0 [609.6]					
LARSA1-08L36C	36.0 [914.4]					
LARSA1-12L12C	12.0 [304.8]	2.50 [63.5]	2.19 [55.6]	0.75 [19.0]	2.75 [69.9]	2.06 [52.4]
LARSA1-12L24C	24.0 [609.6]					
LARSA1-12L36C	36.0 [914.4]					
LARSA1-16L12C	12.0 [304.8]	3.06 [77.8]	2.69 [68.3]	1.00 [25.4]	3.25 [82.6]	2.81 [71.5]
LARSA1-16L24C	24.0 [609.6]					
LARSA1-16L36C	36.0 [914.4]					
LARSB1-08L12C*	12.0 [304.8]	1.50 [38.1]	1.81 [46.0]	0.50 [12.7]	2.00 [50.8]	1.50 [38.1]
LARSB1-08L24C*	24.0 [609.6]					
LARSB1-08L36C*	36.0 [914.4]					
LARSB1-12L12C*	12.0 [304.8]	1.75 [44.5]	2.44 [61.9]	0.75 [19.0]	2.75 [69.9]	1.88 [47.6]
LARSB1-12L24C*	24.0 [609.6]					
LARSB1-12L36C*	36.0 [914.4]					
LARSB1-16L12C*	12.0 [304.8]	2.13 [54.0]	2.94 [74.6]	1.00 [25.4]	3.25 [82.6]	2.63 [66.7]
LARSB1-16L24C*	24.0 [609.6]					
LARSB1-16L36C*	36.0 [914.4]					

**LARSA1-xxLxxC is shown in drawing. LARSB1-xxLxxC has different appearance, but same dimensions as shown in this table.*

See our website www.AutomationDirect.com for complete Engineering drawings.

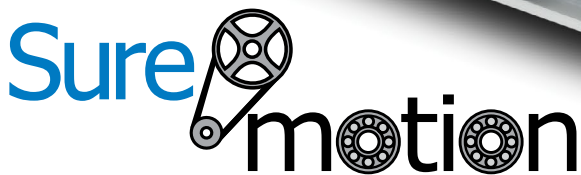
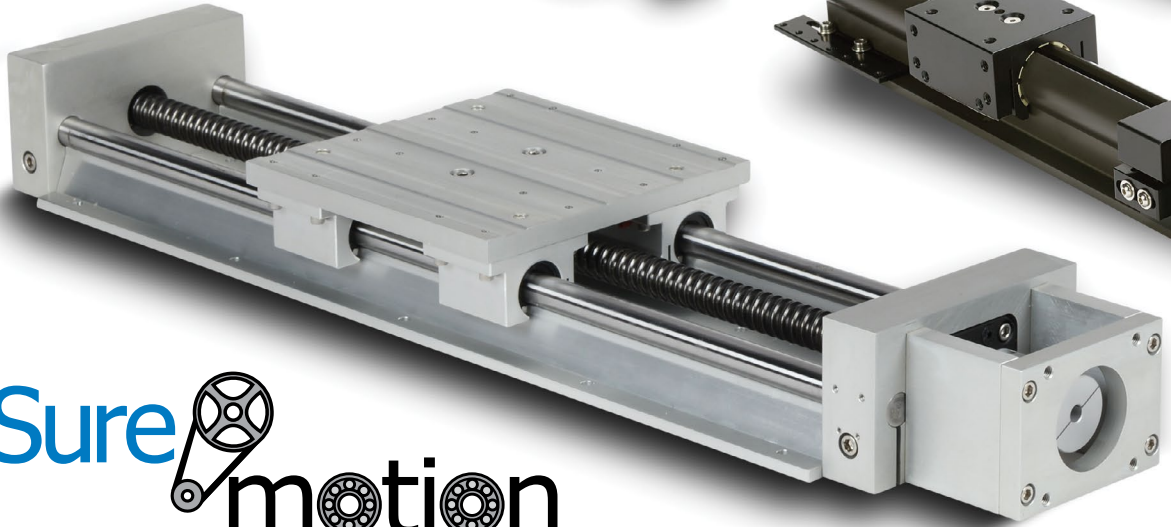
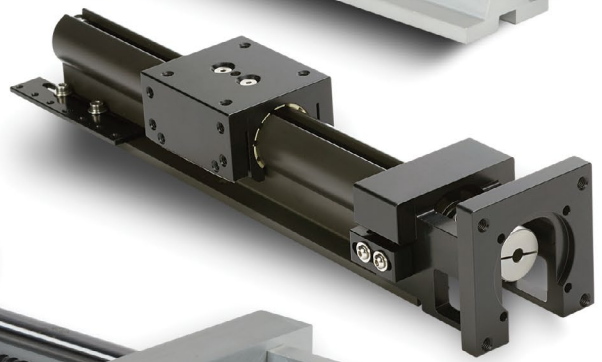
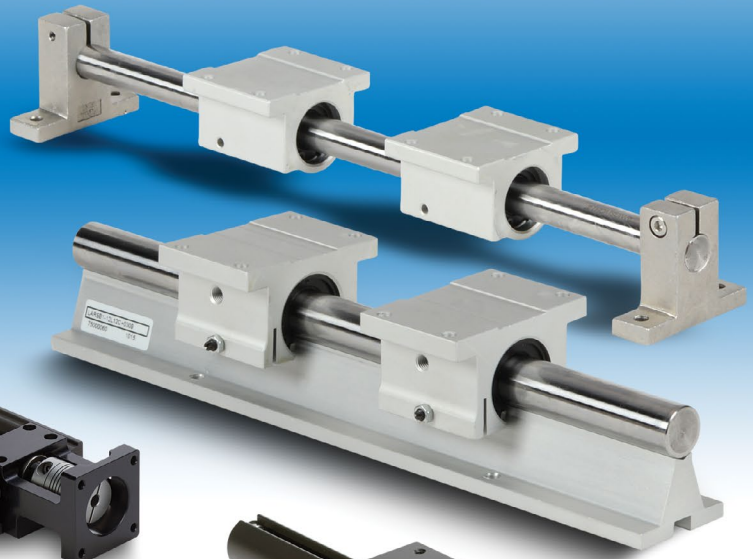
Linear Motion Slides and Components

The three SureMotion families of linear slide actuators easily mate to SureStep motors and other NEMA motors. Everything you need to mount your SureStep motor is included!

These units are an excellent solution for many applications such as pick and place, packaging, assembly automation and other motion control operations.

**18 models, with travels
from 6 to 36 inches**

**Ready to mount NEMA
17, 23 or 34 motors**



**Sliding components
in a range of sizes
to help you build
larger sliding
assemblies**





Linear Motion Products

Product Overview

Actuator Overview

SureMotion linear motion offers both motor-ready actuator assemblies, and a versatile assortment of sliding components and accessories to provide a wide variety of motion control solutions.

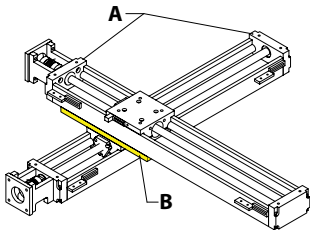


Linear Slide Actuator Comparisons

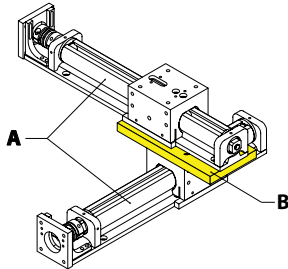
Actuator Series Comparisons						
Actuator Series	Actuator Type	Drive Type	Max Load Capacity (lb)	Max Speed (in/s)	Travel (in)	Relative Price
LARSD2	Twin Round Shaft	Ball Screw	920	6	12, 24	\$\$\$\$
LACP2	Compact Slide	Lead Screw	125	20	6, 12, 24, 36	\$\$
LAVL2	Value Slide	Lead Screw	110	15	6, 12, 18, 24	\$

Available Multi-Axis Configurations

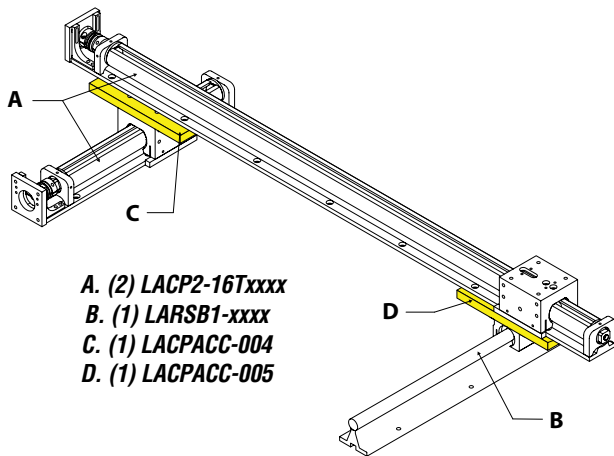
X-Y Axis Configurations



A. (2) LAVL2-60Txxxx
B. (1) LAVLACC-004

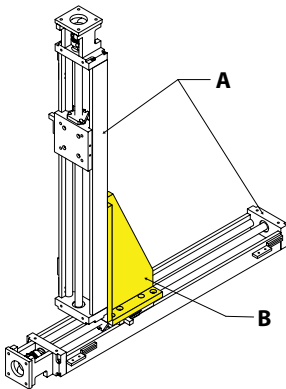


A. (2) LACP2-16Txxxx
B. (1) LACPACC-004



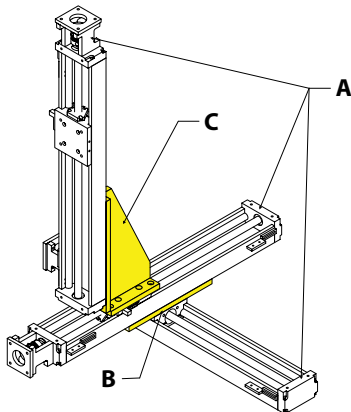
A. (2) LACP2-16Txxxx
B. (1) LARSB1-xxxx
C. (1) LACPACC-004
D. (1) LACPACC-005

X-Z Axis Configuration

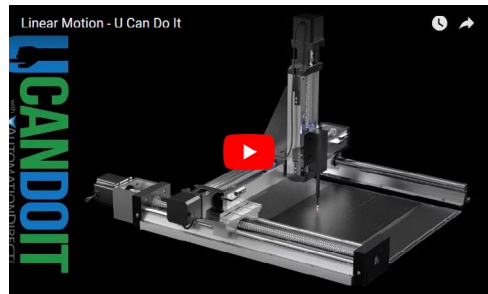


A. (2) LAVL2-60Txxxx
B. (1) LAVLACC-005

X-Y-Z Axis Configuration



A. (3) LAVL2-60Txxxx
B. (1) LAVLACC-004
C. (1) LAVLACC-005



Click on the above video link for a short visual example of how our products can be used.