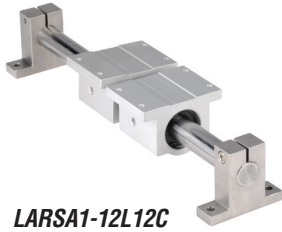




Linear Motion Products

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

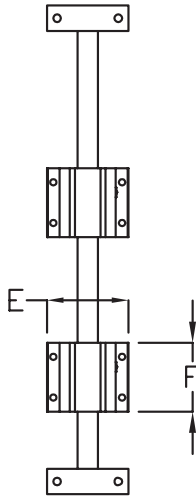
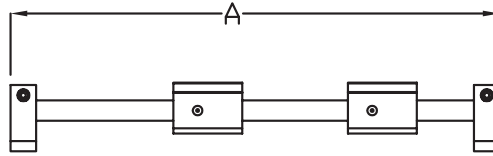
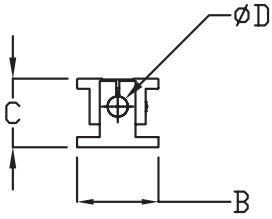
* Bushings and pillow blocks are replacement components that are the same as the original components in the slide assemblies.



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.

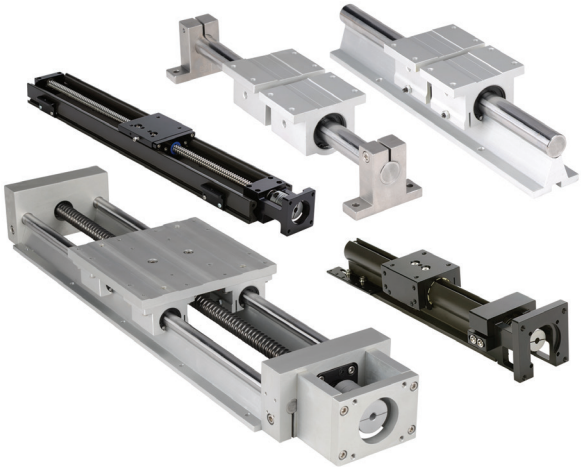


Linear Motion Products

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.

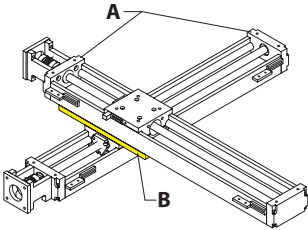


Linear Slide Actuator Comparisons

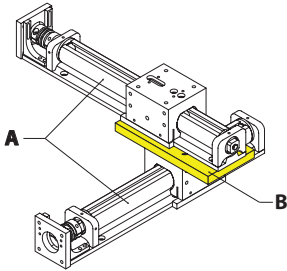
Actuator Series Comparisons						
Actuator Series	Actuator Type	Drive Type	Max Load Capacity (lb)	Max Speed (in/s)	Travel (in)	Relative Price
LARSD2	Twin Round Shaft	Ball Screw	920	6	12, 24	\$\$\$\$
LACP2	Compact Slide	Lead Screw	125	20	6, 12, 24, 36	\$\$
LAVL2	Value Slide	Lead Screw	110	15	6, 12, 18,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

Available Multi-Axis Configurations

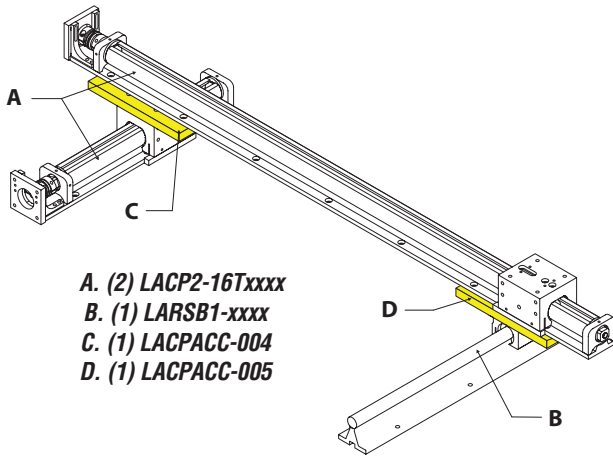
X-Y Axis Configurations



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

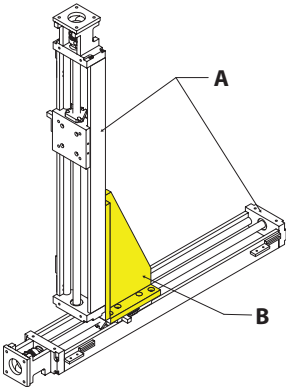


A. (2) LACP2-16Txxxx
B. (1) LACPACC-004



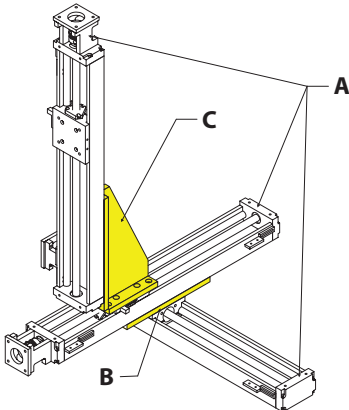
A. (2) LACP2-16Txxxx
B. (1) LARSB1-xxxx
C. (1) LACPACC-004
D. (1) LACPACC-005

X-Z Axis Configuration

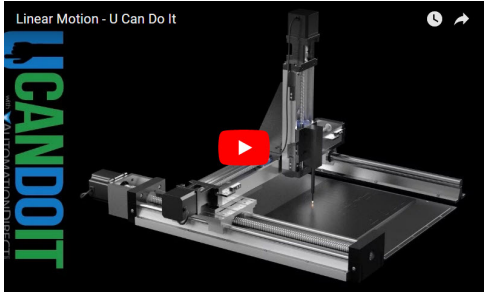


A. (2) LAVL2-60Txxxx
B. (1) LAVLACC-005

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.