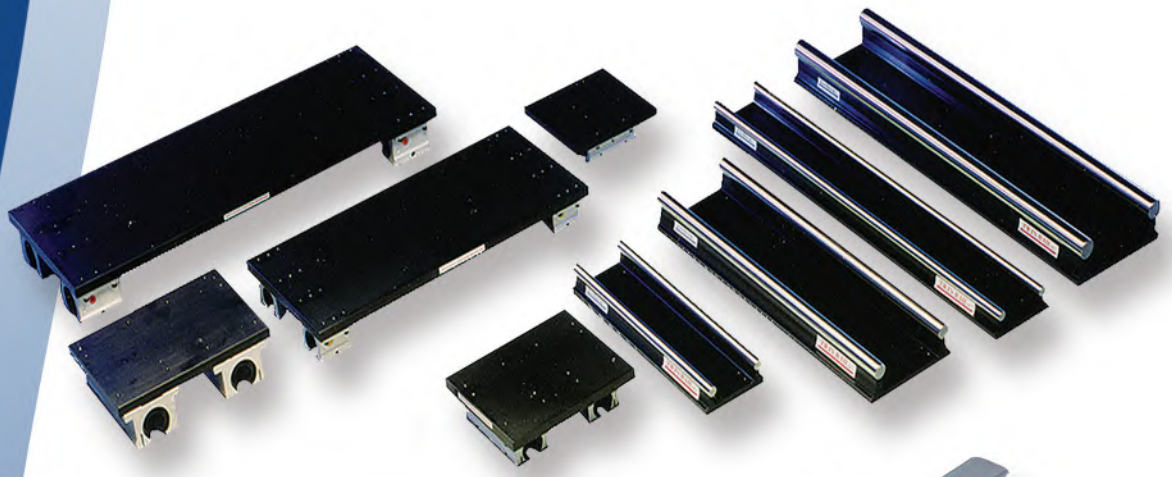
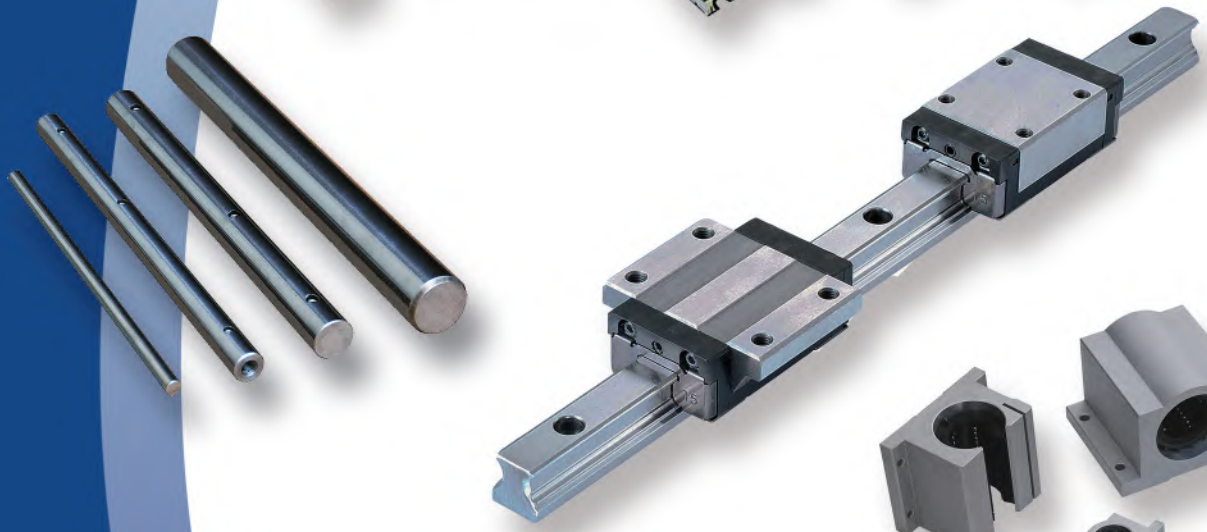
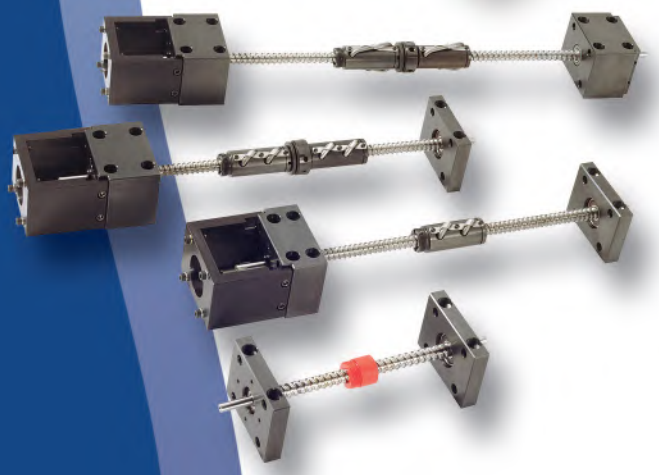
LinTech®

Mechanical Linear Components







Welcome to LINTECH®

For over 50 years LINTECH has designed, engineered, and manufactured mechanical motion solutions for use in a wide range of applications. Whether it is a standard positioning component or a custom positioning system, LINTECH takes great pride in manufacturing a quality product.

At LINTECH we are proud to provide the motion control user with this general product guide. It was developed to assist you with acquiring the general knowledge of what LINTECH has to offer. You can find complete, and up to date, details on all LINTECH products via our website.

Depending on the requirements, standard positioning components can often be assembled and shipped in less than 2 weeks. Custom positioning systems require a different approach. We evaluate your special application, use our many years of experience to guide you, and then manufacture a quality product designed to meet your performance specifications.

LINTECH's technical support consists of a well trained inside customer service department, an experienced application engineering staff, and a versatile machining facility.

Our local technical support group consists of Automation Specialists located throughout the World. These Automation Specialists are experienced in the use of electronic and mechanical motion control products. They are well trained on the performance capabilities of LINTECH positioning components.

LINTECH is constantly designing new products and improving upon the many options available with our standard products. Whether it is a standard or custom positioning system required, visit our website, call, or e-mail us. We look forward to hearing from you.

Visit our website, or call us for the location of the nearest Automation Specialist in your area:

LINTECH®

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Monrovia, CA. 91016

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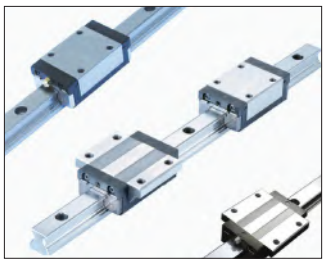
About this Brochure

This brochure is intended to provide a general overview on all the products available from LINTECH. There is some technical information given on each product that can assist with the selection of a product for a given application. Please visit our website at www.LintechMotion.com for complete technical specifications, available options, CAD drawings, and pricing.

Round Rail Components

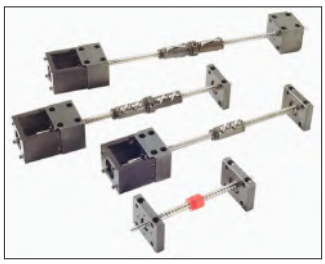
LINTECH manufactures a wide range of standard round rail positioning components. The products available include: cut to any length precision hardened steel shafting, shaft supports, shaft assemblies, linear bearings (with or without pillow blocks), and carriage assemblies in both inch and metric versions. The wide array of options include: chrome plated shafts, shaft machining per the user print, all steel bearings, and bearing locks.

Square Rail Linear Guide Components



LINTECH manufactures a wide range of standard square rail positioning components. The products available include: 2 to 15 mm minature linear guides, 15 to 55 mm standard linear guides, 35 & 45 mm roller linear guides. The wide array of options include: normal & wide blocks, the choice of several different block seal options, and cut to any length rails.

Standard Ball Screw Assemblies



LINTECH manufactures a wide range of standard ball screw assemblies. These assemblies allow the user to get a complete, ready to mount ball screw system with end supports and nut flanges. The 3 different ball screw thread accuracy grades are rolled, precision rolled, and precision ground. The support housings are made of precision machined steel, or anodized aluminum, and are available in 5 configurations: simple-simple, fixed (low thrust)-simple, fixed (high thrust)-simple, rigid-simple, and rigid-rigid. There are many inch & metric screw diameter and leads available, along with motor mounts, brakes, and encoder options.

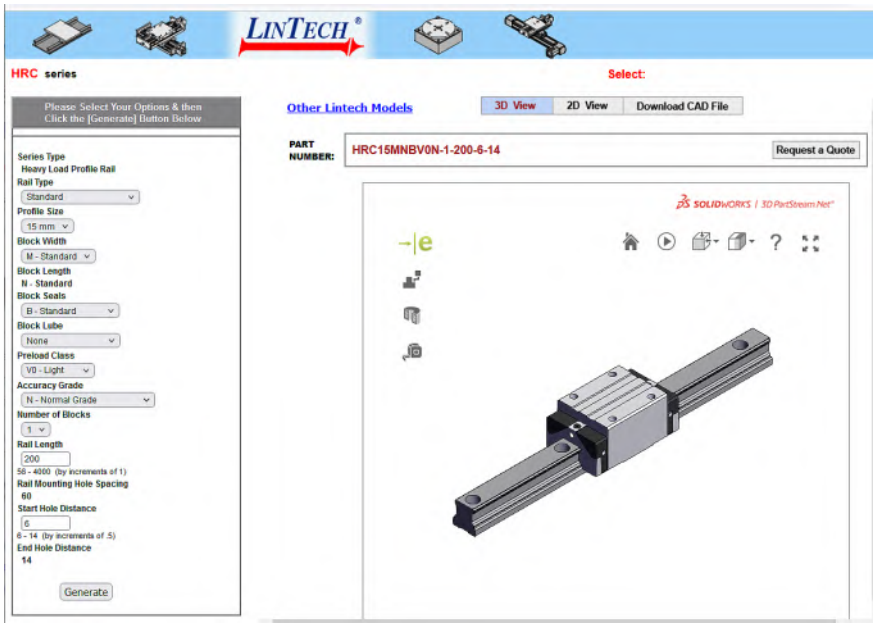
LINTECH Website

Please visit our website at www.LintechMotion.com for complete technical specifications, dimensions, available options, CAD drawings, and pricing.

Model Number	Outline (mm) H	W	L	Block Dimensions (mm) B	C	M x T	K	G	N	J	E	Rail Dimensions (mm) P	X	A	F	Q x R x S	Weight Block (kg)	Rail (kg/m)
HRC 15 MN	28	34	55.5	26	26	M4 x 7	24.7	40.3	M3 x 6.5	8.5	5.3	15	9.5	15	60	4.5 x 7.5 x 5.3	0.20	1.29
HRC 15 ML			76.2		26			61									0.40	
HRC 20 MN	30	44	69	32	36	M5 x 8.5	25	52	M3 x 7.5	6	10	20	12	20	60	6 x 9.5 x 8.5	0.32	2.28
HRC 20 ML			87.2		50			70.2									0.40	
HRC 25 MN	40	48	81.2	35	35	M6 x 9	34	62.2	M6 x 7.5	12	12	23	12.5	23	60	7 x 11 x 9	0.58	3.02
HRC 25 ML			105		50			86									0.69	
HRC 30 MN	45	60	95.5	40	40	M8 x 12	38.2	71.5	M8 x 8.5	10.5	12	28	16	27	80	9 x 14 x 12	0.90	4.38
HRC 30 ML			118		60			94									1.15	
HRC 35 MN	55	70	111.2	50	50	M8 x 13	47.4	86.2	M6 x 10	15	12	34	18	32	80	9 x 14 x 12	1.43	6.79
HRC 35 ML			136.6		72			111.6									1.95	
HRC 45 MN	70	86	135.5	60	60	M10 x 20	60.7	102.5	PT1/8 x 12.5	21.1	14	45	20.5	39	105	14 x 20 x 17	2.79	10.53
HRC 45 ML			171.5		80			138.5									4.06	

LINTECH CAD Files

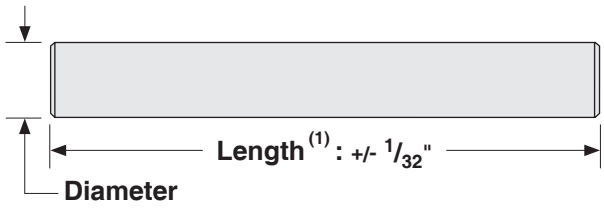
The LINTECH website is also equipped with a Part Builder that allows for the modeling of standard products in any of 36 different CAD file formats. [Get a CAD File]



More Information via the Web

Dimensions & Specifications: SL, SS & SN Shafting

Model Number	Nominal Shaft Diameter (inches)	Maximum Length SL (inches)		SS (inches)		SN (inches)	Shaft Weight (lbs/in)
			-SS		-SS		
Sx4	0.250	94	94	94	94	94	0.014
Sx6	0.375	166	178	166	178	166	0.031
Sx8	0.500	166	178	166	178	166	0.055
Sx10	0.625	202	178	202	178	202	0.086
Sx12	0.750	202	178	202	178	202	0.125
Sx16	1.000	202	178	202	178	202	0.222
Sx20	1.250	202	178	202	178	202	0.348
Sx24	1.500	202	178	202	178	202	0.500
Sx32	2.000	202	178	202	178	202	0.890



(1) Length tolerance for 2" diameter shafting is +/- $^1/_{16}$ inches. Tighter tolerance available. Contact the factory.

Specifications: SL, SS & SN Shafting

Shaft Straightness	0.001/0.002 in/ft, cumulative
Shaft Type	1060 Steel or 440C Stainless Steel (only with L & S tolerance)
Shaft Roundness	0.000080 inches
Shaft Chamfer	For 0.25 - 0.75 inch dia. : 0.03 inch x 45°, For 1.00 - 2.00 inch dia. : 0.06 inch x 45°
Surface Finish	8 R_a microinch

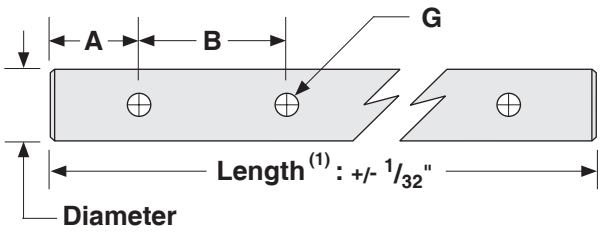
Diameter Tolerance
Hardness Depth

Nominal Shaft Diameter (inches)	Class L Diameter Tolerance (inches)	Class S Diameter Tolerance (inches)	Class N Diameter Tolerance (inches)	Minimum Hardness Depth (inches)
0.250	.2495 / .2490	.2490 / .2485	.2500 / .2498	0.027
0.375	.3745 / .3740	.3740 / .3735	.3750 / .3748	0.027
0.500	.4995 / .4990	.4990 / .4985	.5000 / .4998	0.040
0.625	.6245 / .6240	.6240 / .6235	.6250 / .6248	0.040
0.750	.7495 / .7490	.7490 / .7485	.7500 / .7498	0.060
1.000	.9995 / .9990	.9990 / .9985	1.0000 / .9998	0.080
1.250	1.2495 / 1.2490	1.2490 / 1.2485	1.2500 / 1.2498	0.080
1.500	1.4994 / 1.4989	1.4989 / 1.4984	1.5000 / 1.4997	0.080
2.000	1.9994 / 1.9987	1.9987 / 1.9980	2.0000 / 1.9997	0.100

More Information via the Web

Dimensions & Specifications: SL-PD Shafting

Model Number	Nominal Shaft Diameter (inches)	Maximum Length (inches)		Pre-Drilled Holes (inches)			Shaft Weight (lbs/in)
			-SS	A +/- .016	B	G	
SL8-PD	0.500	166	178	2.00	4.00	#6-32	0.055
SL10-PD	0.625	202	178	2.00	4.00	#8-32	0.086
SL12-PD	0.750	202	178	3.00	6.00	#10-32	0.125
SL16-PD	1.000	202	178	3.00	6.00	1/4-20	0.222
SL20-PD	1.250	202	178	3.00	6.00	5/16-18	0.348
SL24-PD	1.500	202	178	4.00	8.00	3/8-16	0.500
SL32-PD	2.000	202	178	4.00	8.00	1/2-13	0.890

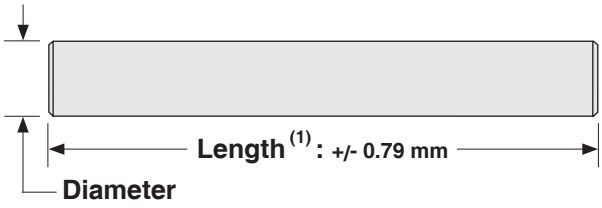


(1) Length tolerance for 2" diameter shafting is +/- 1/16 inches. Tighter tolerance available. Contact the factory.

More Information via the Web

Dimensions & Specifications: SM Metric Shafting

Model Number	Nominal Shaft Diameter (mm)	Maximum Length inches (mm) -SS		Shaft Weight (lbs/in)
SM8	8	166 (4216)	178 (4521)	0.022
SM10	10	166 (4216)	178 (4521)	0.038
SM12	12	166 (4216)	178 (4521)	0.050
SM16	16	202 (5131)	178 (4521)	0.088
SM20	20	202 (5131)	178 (4521)	0.138
SM25	25	202 (5131)	178 (4521)	0.216
SM30	30	202 (5131)	178 (4521)	0.311
SM40	40	202 (5131)	178 (4521)	0.553
SM50	50	202 (5131)	178 (4521)	0.864

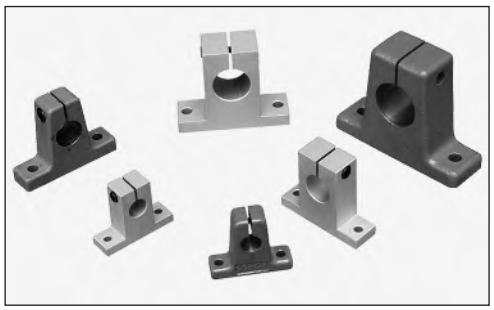


(1) Tighter tolerance available. Contact the factory.

Specifications: SM Metric Shafting

Shaft Straightness	0,0254/0,0508 mm/300 mm - cumulative
Shaft Type	1060 Steel or 440C Stainless Steel
Shaft Roundness	0,0020 mm
Shaft Chamfer	For 8 - 20 mm dia. : 0,762 mm x 45°, For 25 - 50 mm dia. : 1,524 mm inch x 45°
Surface Finish	8 R_a microinch
Diameter Tolerance Hardness Depth	

Nominal Shaft Diameter (mm)	Diameter Tolerance (mm)	Minimum Hardness Depth (mm)
8	8,00 / 7,99	0,69
10	10,00 / 9,99	0,69
12	12,00 / 11,99	1,02
16	16,00 / 15,99	1,02
20	20,00 / 19,99	1,52
25	25,00 / 24,99	2,03
30	30,00 / 29,99	2,03
40	40,00 / 39,99	2,03
50	50,00 / 49,98	2,54

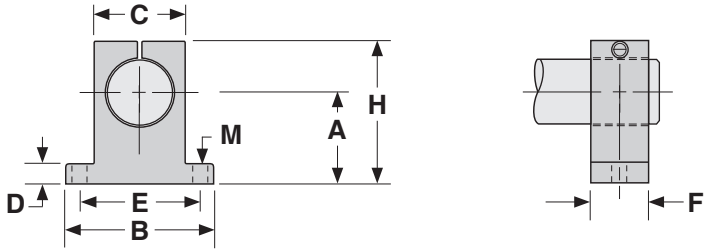


More Information via the Web

Dimensions & Specifications: ES-A End Support Block

Model Number	Nominal Shaft Diameter (inches)	Dimensions (inches)									Support Weight (lbs)
		A +/- .001	B	C	D	E +/- .010	F	H	M hole	M bolt size	
ES8-A	0.500	1.000	2.000	0.875	.250	1.500	0.625	1.625	.188	#8	.08
ES10-A	0.625	1.000	2.500	1.250	.313	1.750	0.688	1.875	.218	#10	.11
ES12-A	0.750	1.250	2.500	1.250	.313	2.000	0.750	2.063	.218	#10	.16
ES16-A	1.000	1.500	3.063	1.500	.375	2.500	1.000	2.500	.281	1/4	.30
ES20-A	1.250	1.750	3.750	2.000	.438	3.000	1.125	3.000	.346	5/16	.53
ES24-A	1.500	2.000	4.375	2.250	.500	3.500	1.250	3.437	.346	5/16	.73
ES32-A	2.000	2.500	5.500	3.000	.625	4.500	1.500	4.500	.406	3/8	1.40

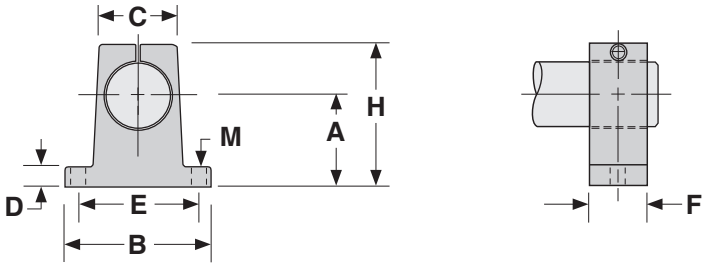
Material:
6061-T6 aluminum
Natural Finish



Dimensions & Specifications: ES-S End Support Block

Model Number	Nominal Shaft Diameter (inches)	Dimensions (inches)									Support Weight (lbs)
		A +/- .001	B	C	D	E +/- .010	F	H	M hole	M bolt size	
ES8-S	0.500	1.000	2.000	0.750	.250	1.500	0.625	1.625	.218	#10	.28
ES10-S	0.625	1.000	2.500	0.875	.312	1.875	0.750	1.750	.218	#10	.36
ES12-S	0.750	1.250	2.750	1.000	.375	2.000	0.750	2.125	.281	1/4	.53
ES16-S	1.000	1.500	3.312	1.375	.375	2.500	1.000	2.625	.281	1/4	1.00
ES20-S	1.250	1.750	4.000	1.750	.438	3.000	1.250	3.000	.343	5/16	2.10
ES24-S	1.500	2.000	4.750	2.000	.500	3.500	1.250	3.500	.343	5/16	2.80
ES32-S	2.000	2.500	6.000	2.625	.625	4.500	1.500	4.500	.406	3/8	5.10

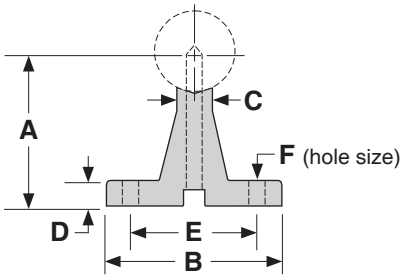
Material:
C1045 steel
Blue Enamel

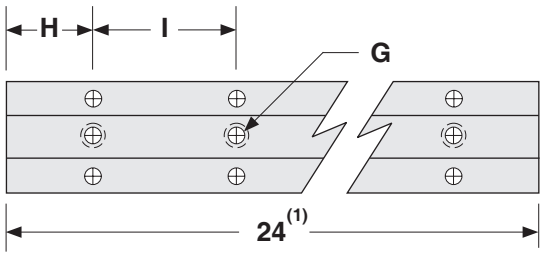


More Information via the Web

Dimensions & Specifications: ARS-PD Shaft Support

Model Number		Nominal Shaft Diameter (inches)	Dimensions (inches)									Support Weight (lbs/in)
Without Holes	With Predrilled Holes		A +/- .002	B	C	D	E +/- .010	F hole	G bolt size	H	I	
ARS8	ARS8-PD	0.500	1.125	1.500	.250	.187	1.000	.169	#6-32 x 0.87	2.00	4.00	.050
ARS10	ARS10-PD	0.625	1.125	1.625	.312	.250	1.125	.193	#8-32 x 0.87	2.00	4.00	.063
ARS12	ARS12-PD	0.750	1.500	1.750	.375	.250	1.250	.221	#10-32 x 1.25	3.00	6.00	.083
ARS16	ARS16-PD	1.000	1.750	2.125	.500	.250	1.500	.281	1/4-20 x 1.50	3.00	6.00	.108
ARS20	ARS20-PD	1.250	2.125	2.500	.562	.312	1.875	.343	5/16-18 x 1.75	3.00	6.00	.146
ARS24	ARS24-PD	1.500	2.500	3.000	.687	.375	2.250	.406	3/8-16 x 2.00	4.00	8.00	.213
ARS32	ARS32-PD	2.000	3.250	3.750	.875	.500	2.750	.531	1/2-13 x 3.25	4.00	8.00	.342





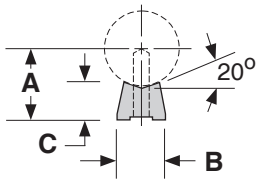
(1) Shorter lengths available. Contact the factory.

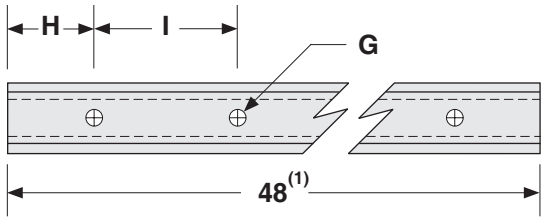
Material: 6061-T6 aluminum, Natural Finish

More Information via the Web

Dimensions & Specifications: LSRS-PD Shaft Support

Model Number		Nominal Shaft Diameter (inches)	Dimensions (inches)							Support Weight (lbs/in)
Without Holes	With Predrilled Holes		A +/- .002	B	C	G hole	G bolt size	H	I	
LSRS8	LSRS8-PD	0.500	0.562	0.37	.341	.169	#6-32	2.00	4.00	.028
LSRS10	LSRS10-PD	0.625	0.687	0.45	.412	.193	#8-32	2.00	4.00	.041
LSRS12	LSRS12-PD	0.750	0.750	0.51	.420	.221	#10-32	3.00	6.00	.047
LSRS16	LSRS16-PD	1.000	1.000	0.69	.560	.281	1/4-20	3.00	6.00	.089
LSRS20	LSRS20-PD	1.250	1.187	0.78	.626	.343	5/16-18	3.00	6.00	.106
LSRS24	LSRS24-PD	1.500	1.375	0.93	.703	.406	3/8-16	4.00	8.00	.140
LSRS32	LSRS32-PD	2.000	1.750	1.18	.845	.531	1/2-13	4.00	8.00	.230





(1) Shorter lengths available. Contact the factory.

Material: AISI C-1018 steel, Natural Finish

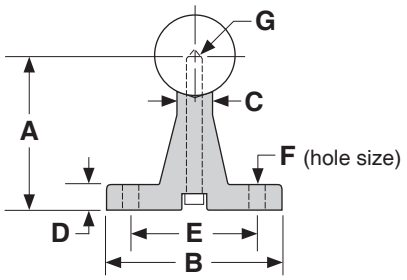
More Information via the Web

Specifications: SA Shaft Assemblies

Support Type & Finish	Precision Machined 6061-T6 Aluminum, Black Anodized
Shaft Straightness	0.001/0.002 in/ft, cumulative
Shaft Type	SL - 1060 Steel or 440C Stainless steel
Shaft Roundness	0.000080 inches
Shaft Chamfer	For 0.50 - 0.75 inch dia. : 0.03 inch x 45°, For 1.00 - 2.00 inch dia. : 0.06 inch x 45°
Surface Finish	8 - 12 R_a microinch
Diameter Tolerance / **Hardness Depth**	

Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance (inches)	Minimum Hardness Depth (inches)
0.500	.4995 / .4990	0.040
0.625	.6245 / .6240	0.040
0.750	.7495 / .7490	0.060
1.000	.9995 / .9990	0.080
1.250	1.2495 / 1.2490	0.080
1.500	1.4994 / 1.4989	0.080
2.000	1.9994 / 1.9987	0.100

Model Number	Nominal Shaft Diameter (inches)	Dimensions (inches)						
		A +/- .002	B	C	D	E +/- .010	F hole	G bolt size
SA8	0.500	1.125	1.500	.250	.187	1.000	.169	#6-32
SA10	0.625	1.125	1.625	.312	.250	1.125	.193	#8-32
SA12	0.750	1.500	1.750	.375	.250	1.250	.221	#10-32
SA16	1.000	1.750	2.125	.500	.250	1.500	.281	1/4-20
SA20	1.250	2.125	2.500	.562	.312	1.875	.281	1/4-20
SA24	1.500	2.500	3.000	.687	.375	2.250	.343	5/16-18
SA32	2.000	3.250	3.750	.875	.500	2.750	.406	3/8-16



Standard lengths to 16 feet (192 inches). Longer lengths available - Contact Factory.

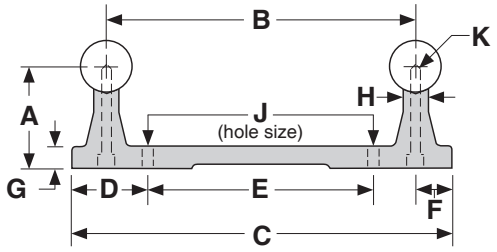
More Information via the Web

Specifications: TRSA *TWIN RAIL*® Shaft Assemblies

Support Type & Finish	Precision Machined 6061-T6 Aluminum, Black Anodized
Shaft Straightness	0.001/0.002 in/ft, cumulative
Shaft Parallelism	+/- 0.002 in overall
Shaft Type	SL - 1060 Steel or 440C Stainless steel
Shaft Roundness	0.000080 inches
Shaft Chamfer	For 0.50 - 0.75 inch dia. : 0.03 inch x 45°, For 1.00 - 2.00 inch dia. : 0.06 inch x 45°
Surface Finish	8 - 12 R_a microinch
Diameter Tolerance / **Hardness Depth**	

Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance (inches)	Minimum Hardness Depth (inches)
0.500	.4995 / .4990	0.040
0.625	.6245 / .6240	0.040
0.750	.7495 / .7490	0.060
1.000	.9995 / .9990	0.080
1.250	1.2495 / 1.2490	0.080
1.500	1.4994 / 1.4989	0.080
2.000	1.9994 / 1.9987	0.100

Model Number	Nominal Shaft Diameter (inches)	Dimensions (inches)										
		A +/- .002	B +/- .002	C	D	E +/- .010	F	G	H	J hole	K Bolt Size	L (1) Thread
TRSA8	0.500	1.125	3.000	3.750	0.875	2.000	.375	.312	.250	.169	#6-32	#10-32
TRSA10	0.625	1.125	3.750	4.625	1.000	2.625	.437	.312	.312	.193	#8-32	#10-32
TRSA12	0.750	1.500	4.500	5.500	1.125	3.250	.500	.312	.375	.221	#10-32	#10-32
TRSA16	1.000	1.750	5.250	6.375	1.312	3.750	.562	.312	.500	.281	1/4-20	#10-32
TRSA20	1.250	2.125	6.000	7.250	1.562	4.125	.625	.375	.562	.281	1/4-20	1/4-20
TRSA24	1.500	2.500	6.625	8.125	1.875	4.375	.750	.437	.687	.343	5/16-18	5/16-18
TRSA32	2.000	3.250	7.250	9.000	2.250	4.500	.875	.562	.875	.406	3/8-16	3/8-16



(1) Two threaded leveling holes per support segment are used for setscrew adjustment to aid in assembly leveling user mounting surfaces. Standard lengths to 16 feet (192 inches). Longer lengths available - Contact Factory.

More Information via the Web

Specifications: LBCA & LBOA Linear Bearings

Operating Temperature	0° F to + 600° F (**LBCA** series without seals) 0° F to + 185° F (all other models)
Maximum Speed	10 ft/second
Bearing Seals (optional)	Internal Wiper Seals on both ends, Plastic Bearing Retainer
Matching Shaft	Class S (**SS** series), hardened & ground shafting

Housing Tolerances
C = clearance

LBCA (closed style)

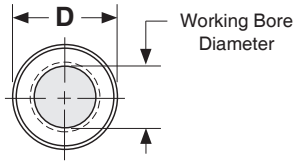
Nominal Shaft Diameter (inches)	Recommended Housing Bore: Normal Fit (inches)	Recommended Housing Bore: Press Fit (inches)	Bearing and Shaft Fit-up (inches)
0.250	.5005 / .5000	.4995 / .4990	.0015C / .0005C
0.375	.6255 / .6250	.6245 / .6240	.0015C / .0005C
0.500	.8755 / .8750	.8745 / .8740	.0015C / .0005C
0.625	1.1255 / 1.1250	1.1245 / 1.1240	.0015C / .0005C
0.750	1.2505 / 1.2500	1.2495 / 1.2490	.0015C / .0005C
1.000	1.5630 / 1.5625	1.5620 / 1.5615	.0015C / .0005C
1.250	2.0010 / 2.0000	1.9993 / 1.9983	.0015C / .0004C
1.500	2.3760 / 2.3750	2.3743 / 2.3733	.0016C / .0005C
2.000	3.0010 / 3.0000	2.9992 / 2.9982	.0020C / .0005C

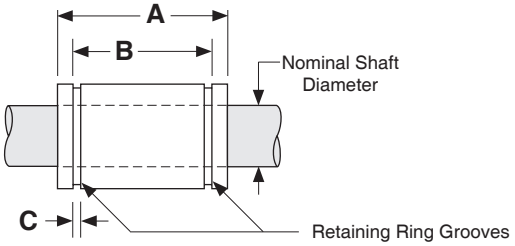
LBOA (open style)

Nominal Shaft Diameter (inches)	Recommended Housing Bore before adjustment (inches)
0.500	.8760 / .8740
0.625	1.1260 / 1.1240
0.750	1.2510 / 1.2490
1.000	1.5635 / 1.5615
1.250	2.0010 / 1.9990
1.500	2.3760 / 2.3740
2.000	3.0010 / 2.9990

Dimensions & Specifications: LBCA Precision Linear Bearing (closed)

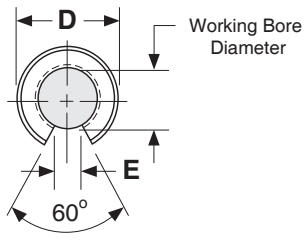
Model Number		Nominal Shaft Diameter	Working Bore Diameter	Dyn. [1] Load Capacity	Dimensions (inches)				Bearing Weight
Without Seals	With [2] Seals	(inches)	(inches)	(lbs)	A	B	C	D	(lbs)
LBCA-4	LBCA-4-S	0.250	0.2500/0.2495	19	0.750/0.735	0.515/0.499	0.039	0.5000/0.4996	0.02
LBCA-6	LBCA-6-S	0.375	0.3750/0.3745	37	0.875/0.860	0.640/0.624	0.039	0.6250/0.6246	0.06
LBCA-8	LBCA-8-S	0.500	0.5000/0.4995	85	1.250/1.235	0.967/0.951	0.046	0.8750/0.8746	0.08
LBCA-10	LBCA-10-S	0.625	0.6250/0.6245	150	1.500/1.485	1.108/1.092	0.056	1.1250/1.1246	0.16
LBCA-12	LBCA-12-S	0.750	0.7500/0.7495	200	1.625/1.610	1.170/1.154	0.056	1.2500/1.2496	0.21
LBCA-16	LBCA-16-S	1.000	1.0000/0.9995	350	2.250/2.235	1.759/1.741	0.068	1.5625/1.5621	0.38
LBCA-20	LBCA-20-S	1.250	1.2500/1.2494	520	2.625/2.605	2.009/1.991	0.068	2.0000/1.9995	1.10
LBCA-24	LBCA-24-S	1.500	1.5000/1.4994	770	3.000/2.980	2.415/2.397	0.086	2.3750/2.3745	1.43
LBCA-32	LBCA-32-S	2.000	2.0000/1.9992	1,100	4.000/3.980	3.195/3.177	0.103	3.0000/2.9994	2.75

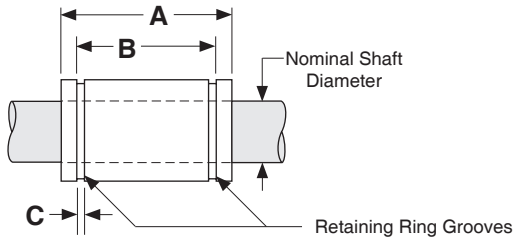




Dimensions & Specifications: LBOA Precision Linear Bearing (open)

Model Number		Nominal Shaft Diameter	Working Bore Diameter	Dyn. [1] Load Capacity	Dimensions (inches)					Bearing Weight
Without Seals	With [2] Seals	(inches)	(inches)	(lbs)	A	B	C	D	E min.	(lbs)
LBOA-8	LBOA-8-S	0.500	0.5005/0.4995	60	1.250/1.235	0.967/0.951	0.046	0.8760/0.8746	0.31	0.07
LBOA-10	LBOA-10-S	0.625	0.6255/0.6245	105	1.500/1.485	1.108/1.092	0.056	1.1260/1.1240	0.38	0.11
LBOA-12	LBOA-12-S	0.750	0.7505/0.7495	140	1.625/1.610	1.170/1.154	0.056	1.2510/1.2490	0.44	0.17
LBOA-16	LBOA-16-S	1.000	1.0005/0.9995	240	2.250/2.235	1.759/1.741	0.068	1.5635/1.5615	0.56	0.32
LBOA-20	LBOA-20-S	1.250	1.2506/1.2494	400	2.625/2.605	2.009/1.991	0.068	2.0010/1.9990	0.63	0.90
LBOA-24	LBOA-24-S	1.500	1.5006/1.4994	600	3.000/2.980	2.415/2.397	0.086	2.3760/2.3740	0.75	1.12
LBOA-32	LBOA-32-S	2.000	2.0008/1.9992	860	4.000/3.980	3.195/3.177	0.103	3.0010/2.9990	1.00	2.16





Footnotes:

(1) Rating based upon 2 million inches of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) The bearing retainer is plastic when the internal -S seal option is selected.

More Information via the Web

More Information via the Web

Specifications: LBC & LBO Linear Bushings (self-aligning)

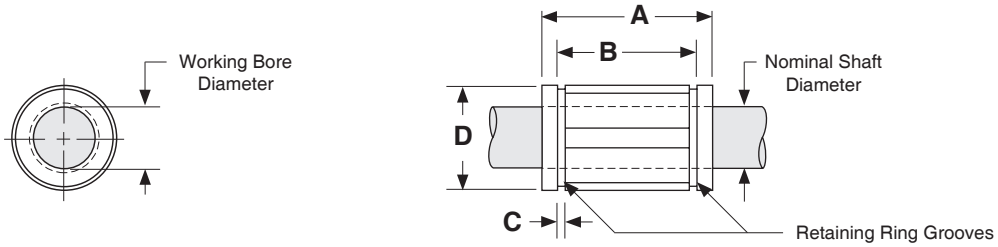
Operating Temperature	0^{o} F to + 185^{o} F
Maximum Speed	9.8 ft/sec (3m/sec)
Bushing Seals	Optional Internal Wiper Seals on both ends
Matching Shaft	Class L (**SL** series), hardened & ground shafting
Corrosion Resistance	Electroless nickel plated load plates and stainless steel recirculating balls

Housing and Shaft Diameter Tolerances **C** = clearance **P** = preload

Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance g6 (inches)	Recommended Housing Bore		Bushing and Shaft Fit-up (before adjustment)	
		Fixed Housing (inches)	Adjustable Housing (inches)	Fixed Housing (inches)	Adjustable Housing (inches)
0.250	-.0002 / -.0006	.5005 / .5000	.5010 / .5000	.0015C / .0000	.002C / .0000
0.375	-.0002 / -.0006	.6255 / .6250	.6260 / .6250	.0015C / .0000	.002C / .0000
0.500	-.0002 / -.0007	.8755 / .8750	.8760 / .8750	.0015C / .0000	.002C / .0000
0.625	-.0002 / -.0007	1.1255 / 1.1250	1.1260 / 1.1250	.0015C / .0000	.002C / .0000
0.750	-.0003 / -.0008	1.2505 / 1.2500	1.2510 / 1.2500	.0015C / .0000	.002C / .0000
1.000	-.0003 / -.0008	1.5630 / 1.5625	1.5635 / 1.5625	.0015C / .0000	.002C / .0000
1.250	-.0004 / -.0010	2.0008 / 2.0000	2.0010 / 2.0000	.0018C / .0001P	.002C / .0000
1.500	-.0004 / -.0010	2.3760 / 2.3750	2.3760 / 2.3750	.0021C / .0000	.0021C / .0000
2.000	-.0004 / -.0012	3.0010 / 3.0000	3.0010 / 3.0000	.0023C / .0002P	.0023C / .0002P

Dimensions & Specifications: LBC Linear Bushing (closed)

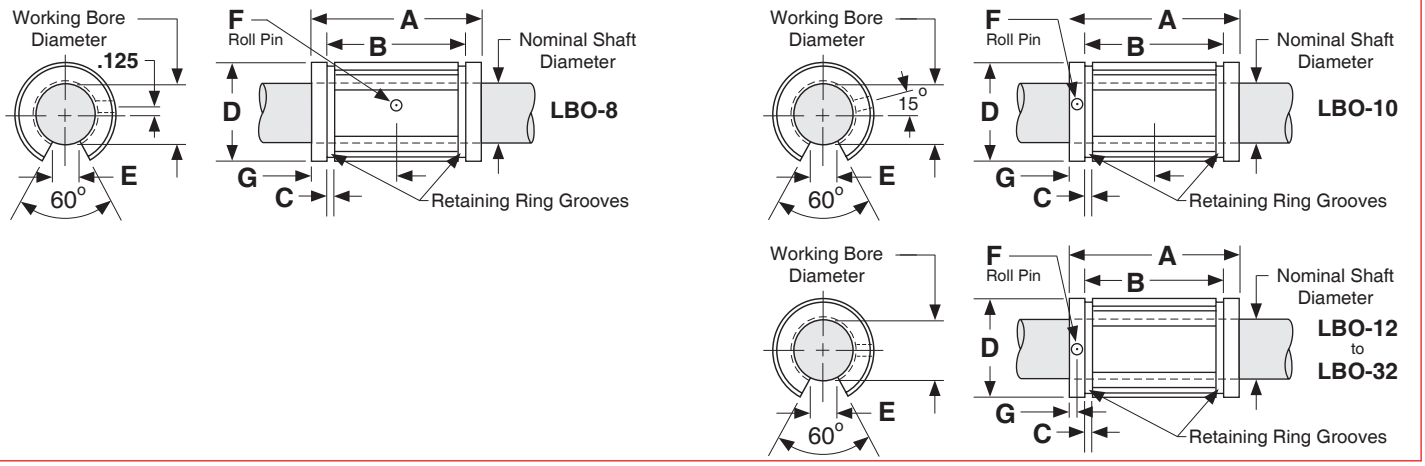
Model Number Without Seals	Model Number With Seals	Nominal Shaft Diameter (inches)	Dyn. (1) Load Capacity (lbs)	# of Ball circuits	Working Bore Diameter (inches)	Housing Bore D (inches)	Dimensions (inches) A	B	C	Bearing Weight (lbs)
LBC-4	-S	0.250	60	4	0.2500/0.2495	0.5005/0.5000	0.750/0.735	0.511/0.501	0.039	0.01
LBC-6	-S	0.375	100	4	0.3750/0.3745	0.6255/0.6250	0.875/0.860	0.699/0.689	0.039	0.02
LBC-8	-S	0.500	245	4	0.5000/0.4995	0.8755/0.8750	1.250/1.230	1.032/1.012	0.050	0.04
LBC-10	-S	0.625	430	5	0.6250/0.6245	1.1255/1.1250	1.500/1.480	1.105/1.095	0.056	0.10
LBC-12	-S	0.750	580	6	0.7500/0.7495	1.2505/1.2500	1.625/1.605	1.270/1.250	0.056	0.14
LBC-16	-S	1.000	980	6	1.0000/0.9995	1.5630/1.5625	2.250/2.230	1.884/1.864	0.068	0.25
LBC-20	-S	1.250	1,460	6	1.2500/1.2494	2.0008/2.0000	2.625/2.600	2.004/1.984	0.068	0.45
LBC-24	-S	1.500	1,830	6	1.5000/1.4994	2.3760/2.3750	3.000/2.970	2.410/2.390	0.086	0.85
LBC-32	-S	2.000	2,830	6	2.0000/1.9992	3.0010/3.0000	4.000/3.960	3.206/3.176	0.105	1.45



More Information via the Web

Dimensions & Specifications: LBO Linear Bushing (open)

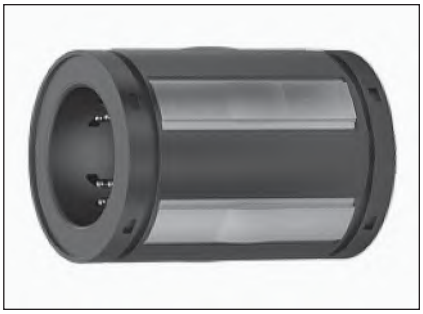
Model Number Without Seals	Model Number With Seals	Nominal Shaft Diameter (inches)	Dyn.(1) Load Cap. (lbs)	# of Ball circuits	Working Bore Diameter (inches)	Housing Bore D (inches)	Dimensions (inches) A	B	C	E min.	Retention Hole F dia.	Retention Hole G (in)	Bearing Weight (lbs)
LBO-8	-S	0.500	230	4	0.5000/0.4995	0.8755/0.8750	1.250/1.230	1.032/1.012	0.050	0.312	.14	.63	0.04
LBO-10	-S	0.625	380	4	0.6250/0.6245	1.1255/1.1250	1.500/1.480	1.105/1.095	0.056	0.375	.11	.13	0.08
LBO-12	-S	0.750	470	5	0.7500/0.7495	1.2505/1.2500	1.625/1.605	1.270/1.250	0.056	0.437	.14	.13	0.12
LBO-16	-S	1.000	820	5	1.0000/0.9995	1.5630/1.5625	2.250/2.230	1.884/1.864	0.068	0.562	.14	.13	0.21
LBO-20	-S	1.250	1,210	5	1.2500/1.2494	2.0008/2.0000	2.625/2.600	2.004/1.984	0.068	0.625	.20	.19	0.38
LBO-24	-S	1.500	1,520	5	1.5000/1.4994	2.3760/2.3750	3.000/2.970	2.410/2.390	0.086	0.750	.20	.19	0.71
LBO-32	-S	2.000	2,410	5	2.0000/1.9992	3.0010/3.0000	4.000/3.960	3.206/3.176	0.103	1.105	.27	.31	1.20

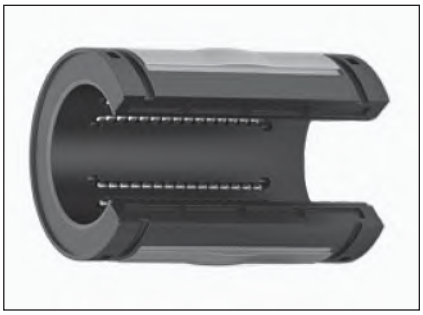


Footnotes:

(1) Rating based upon 2 million inches of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) This specification is based upon the bearing being on the shaft.





More Information via the Web

Specifications: LBCH & LBOH High Capacity Linear Bushings (self-aligning)

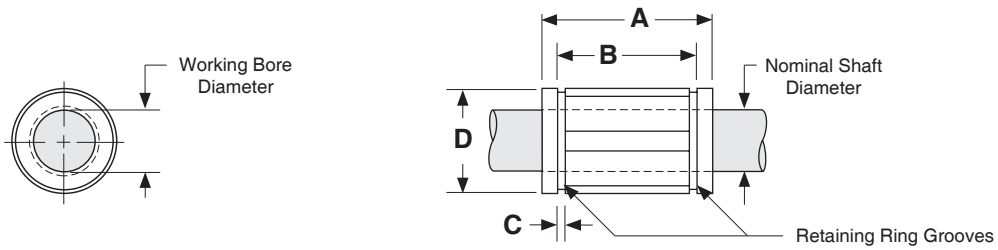
Operating Temperature	0^{o} F to + 185^{o} F
Maximum Speed	9.8 ft/sec (3m/sec)
Bushing Seals	Optional Internal Wiper Seals on both ends
Matching Shaft	Class L (**SL** series), hardened & ground shafting
Corrosion Resistance	Electroless nickel plated load plates and stainless steel recirculating balls

Housing and Shaft Diameter Tolerances **C** = clearance **P** = preload

Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance g6 (inches)	Recommended Housing Bore		Bushing and Shaft Fit-up (before adjustment)	
		Fixed Housing (inches)	Adjustable Housing (inches)	Fixed Housing (inches)	Adjustable Housing (inches)
0.750	-.0003 / -.0008	1.2505 / 1.2500	1.2510 / 1.2500	.0015C / .0000	.002C / .0000
1.000	-.0003 / -.0008	1.5630 / 1.5625	1.5635 / 1.5625	.0015C / .0000	.002C / .0000
1.250	-.0004 / -.0010	2.0008 / 2.0000	2.0010 / 2.0000	.0018C / .0001P	.002C / .0000
1.500	-.0004 / -.0010	2.3760 / 2.3750	2.3760 / 2.3750	.0021C / .0000	.0021C / .0000

Dimensions & Specifications: LBCH High Capacity Linear Bushing (closed)

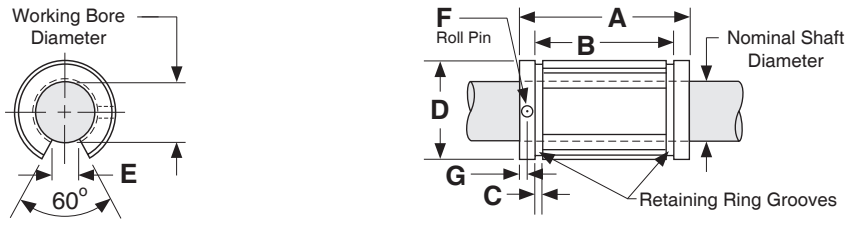
Model Number Without Seals	Model Number With Seals	Nominal Shaft Diameter (inches)	Dyn. (1) Load Capacity (lbs)	# of Ball circuits	Working Bore Diameter (inches)	Housing Bore D (inches)	Dimensions (inches) A	B	C	Bearing Weight (lbs)
LBCH-12	-S	0.750	1,130	10	0.7500/0.7495	1.2505/1.2500	1.625/1.605	1.285/1.255	0.056	0.13
LBCH-16	-S	1.000	1,900	10	1.0000/0.9995	1.5630/1.5625	2.250/2.230	1.901/1.871	0.068	0.28
LBCH-20	-S	1.250	2.350	10	1.2500/1.2494	2.0008/2.0000	2.625/2.600	2.031/1.991	0.068	0.53
LBCH-24	-S	1.500	3,880	10	1.5000/1.4994	2.3760/2.3750	3.000/2.970	2.442/2.402	0.086	0.84



More Information via the Web

Dimensions & Specifications: LBOH High Capacity Linear Bushing (open)

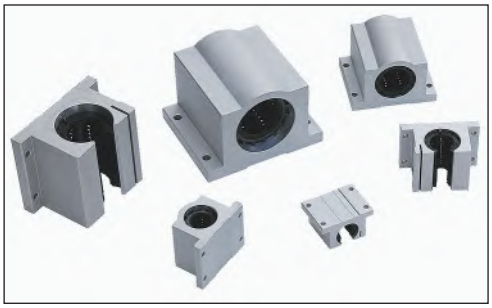
Model Number Without Seals	Model Number With Seals	Nominal Shaft Diameter (inches)	Dyn.(1) Load Cap. (lbs)	# of Ball circuits	Working Bore Diameter (inches)	Housing Bore D (inches)	Dimensions (inches) A	B	C	E min.	Retention Hole F dia.	Retention Hole G (in)	Bearing Weight (lbs)
LBOH-12	-S	0.750	1,130	8	0.7500/0.7495	1.2505/1.2500	1.625/1.605	1.285/1.255	0.056	0.44	.14	.13	0.11
LBOH-16	-S	1.000	1,900	8	1.0000/0.9995	1.5630/1.5625	2.250/2.230	1.901/1.871	0.068	0.56	.14	.13	0.23
LBOH-20	-S	1.250	2,350	8	1.2500/1.2494	2.0008/2.0000	2.625/2.600	2.031/1.991	0.068	0.63	.20	.19	0.43
LBOH-24	-S	1.500	3,380	8	1.5000/1.4994	2.3760/2.3750	3.000/2.970	2.442/2.402	0.086	0.75	.20	.19	0.68



Footnotes:

(1) Rating based upon 2 million inches of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) This specification is based upon the bearing being on the shaft.



More Information via the Web

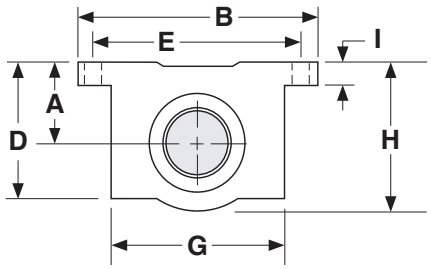
Specifications: SLBC & SLBO Pillow Blocks

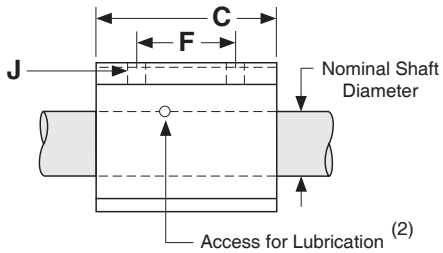
Bearing Housing Type & Finish	Aluminum 6061-T6 Pillow Block, Clear Anodized
Bearing Type & Seals	**LBC** or **LBO** series with Internal Wiper Seals on Both Ends
Corrosion Resistance	Electroless nickel plated load bushing plates and stainless steel recirculating balls
Hand Wheel Lock	Optional Aluminum Shaft Clamping Block
Operating Temperature	0^{o} F to + 185^{o} F
Maximum Speed	9.8 ft/second (3m/sec)
Matching Shaft	Class L (**SL** series), hardened & ground shafting
Diameter Tolerance	

Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance (inches)
0.500	.4995 / .4990
0.625	.6245 / .6240
0.750	.7495 / .7490
1.000	.9995 / .9990
1.250	1.2495 / 1.2490
1.500	1.4994 / 1.4989
2.000	1.9994 / 1.9987

Dimensions & Specifications: SLBC Single Linear Bearing Pillow Block (closed)

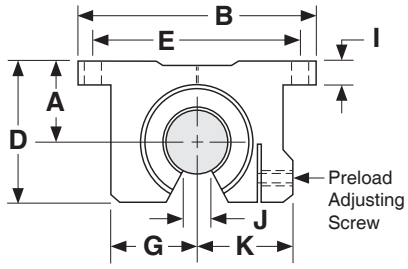
Model Number	Nominal Shaft Diameter (inches)	Dyn.(1) Load Capacity (lbs)	Dimensions (inches)											Block Weight (lbs)
			A +/- .003	B	C	D	E +/- .010	F +/- .010	G	H	I	J hole	J bolt	
SLBC-8	0.500	265	0.687	2.00	1.69	1.13	1.688	1.000	1.38	1.25	.25	.16	# 6	0.20
SLBC-10	0.625	450	0.875	2.50	1.94	1.44	2.125	1.125	1.75	1.63	.28	.19	# 8	0.50
SLBC-12	0.750	640	0.937	2.75	2.06	1.56	2.375	1.250	1.88	1.75	.31	.19	# 8	0.60
SLBC-16	1.000	1,050	1.187	3.25	2.81	1.94	2.875	1.750	2.38	2.19	.38	.22	#10	1.20
SLBC-20	1.250	1,550	1.500	4.00	3.63	2.50	3.500	2.000	3.00	2.81	.44	.22	#10	2.50
SLBC-24	1.500	2,000	1.750	4.75	4.00	2.88	4.125	2.500	3.50	3.25	.50	.28	1/4	3.80
SLBC-32	2.000	3,000	2.125	6.00	5.00	3.63	5.250	3.250	4.50	4.06	.63	.41	3/8	7.00

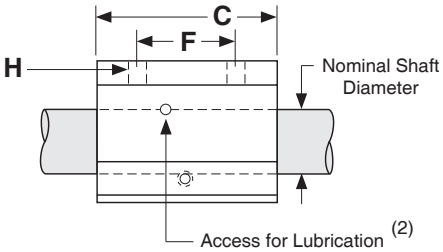




Dimensions & Specifications: SLBO Single Linear Bearing Pillow Block (open)

Model Number	Nominal Shaft Diameter (inches)	Dyn.(1) Load Capacity (lbs)	Dimensions (inches)												Block Weight (lbs)
			A +/- .003	B	C	D	E +/- .010	F +/- .010	G	H hole	H bolt	I	J min.	K	
SLBO-8	0.500	230	0.687	2.00	1.50	1.13	1.688	1.000	0.69	.16	# 6	.25	0.31	0.75	0.20
SLBO-10	0.625	320	0.875	2.50	1.75	1.44	2.125	1.125	0.88	.19	# 8	.28	0.37	0.94	0.40
SLBO-12	0.750	470	0.937	2.75	1.88	1.56	2.375	1.250	0.94	.19	# 8	.31	0.43	1.00	0.50
SLBO-16	1.000	780	1.187	3.25	2.63	2.00	2.875	1.750	1.19	.22	#10	.38	0.56	1.25	1.00
SLBO-20	1.250	1,170	1.500	4.00	3.38	2.56	3.500	2.000	1.50	.22	#10	.44	0.62	1.63	2.10
SLBO-24	1.500	1,560	1.750	4.75	3.75	2.94	4.125	2.500	1.75	.28	1/4	.50	0.75	1.88	3.20
SLBO-32	2.000	2,350	2.125	6.00	4.75	3.63	5.250	3.250	2.25	.41	3/8	.63	1.00	2.44	6.00



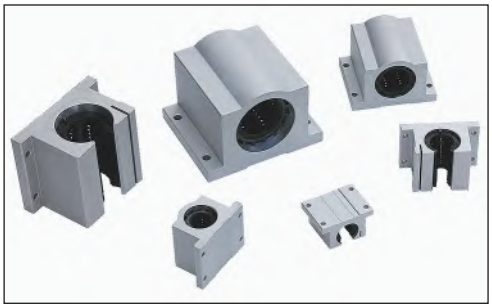


Footnotes:

(1) Rating based upon 2 million inches of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) Size 0.500 has oil lubricant fitting. Sizes 0.625 and above have a $^{1}/_{4}$-28 UNF straight thread access for lubrication.

More Information via the Web



More Information via the Web

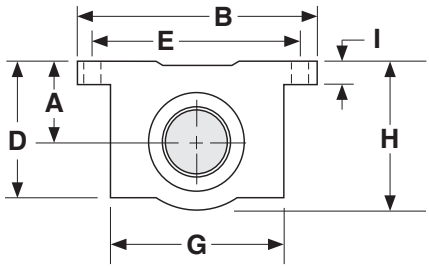
Specifications: DLBC & DLBO Pillow Blocks

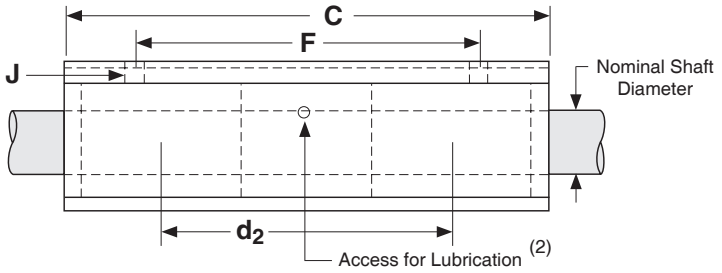
Bearing Housing Type & Finish	Aluminum 6061-T6 Pillow Block, Clear Anodized
Bearing Type & Seals	**LBC** or **LBO** series with Internal Wiper Seals on Both Ends
Corrosion Resistance	Electroless nickel plated load bushing plates and stainless steel recirculating balls
Hand Wheel Lock	Optional Aluminum Shaft Clamping Block
Operating Temperature	0^{o} F to + 185^{o} F
Maximum Speed	9.8 ft/second (3m/sec)
Matching Shaft	Class L (**SL** series), hardened & ground shafting
Diameter Tolerance	

Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance (inches)
0.500	.4995 / .4990
0.625	.6245 / .6240
0.750	.7495 / .7490
1.000	.9995 / .9990
1.250	1.2495 / 1.2490
1.500	1.4994 / 1.4989
2.000	1.9994 / 1.9987

Dimensions & Specifications: DLBC Double Linear Bearing Pillow Block (closed)

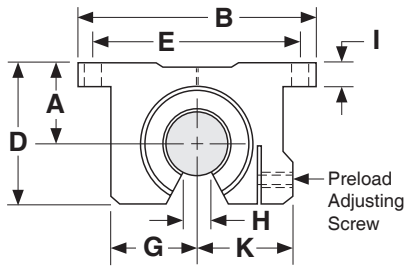
Model Number	Nominal Shaft Diameter (inches)	Dyn.(1) Load Capacity (lbs)	Dimensions (inches)												Block Weight (lbs)
			A +/- .003	B	C	D	E +/- .010	F +/- .010	G	H	I	J hole	J bolt	d_2(3)	
DLBC-8	0.500	530	0.687	2.00	3.50	1.13	1.688	2.500	1.38	1.25	.25	.16	# 6	1.75	0.40
DLBC-10	0.625	900	0.875	2.50	4.00	1.44	2.125	3.000	1.75	1.63	.28	.19	# 8	2.00	1.00
DLBC-12	0.750	1,280	0.937	2.75	4.50	1.56	2.375	3.500	1.88	1.75	.31	.19	# 8	2.25	1.20
DLBC-16	1.000	2,100	1.187	3.25	6.00	1.94	2.875	4.500	2.38	2.19	.38	.22	#10	3.00	2.40
DLBC-20	1.250	3,100	1.500	4.00	7.50	2.50	3.500	5.500	3.00	2.81	.44	.22	#10	3.75	5.00
DLBC-24	1.500	4,000	1.750	4.75	9.00	2.88	4.125	6.500	3.50	3.25	.50	.28	1/4	4.50	7.80
DLBC-32	2.000	6,000	2.125	6.00	10.00	3.63	5.250	8.250	4.50	4.06	.63	.41	3/8	5.75	14.50

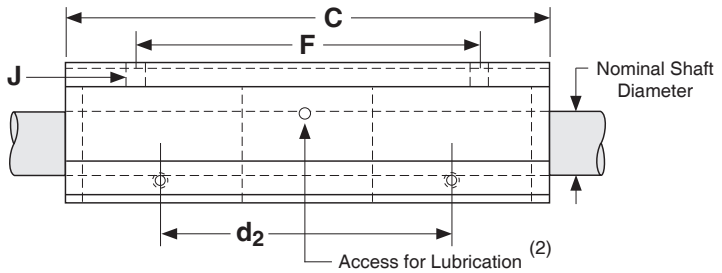




Dimensions & Specifications: DLBO Double Linear Bearing Pillow Block (open)

Model Number	Nominal Shaft Diameter (inches)	Dyn.(1) Load Capacity (lbs)	Dimensions (inches)													Block Weight (lbs)
			A +/- .003	B	C	D	E +/- .010	F +/- .010	G	H min.	I	J hole	J bolt	K	d_2(3)	
DLBO-8	0.500	460	0.687	2.00	3.50	1.13	1.688	2.500	0.69	.31	.25	.16	# 6	0.75	1.75	0.40
DLBO-10	0.625	640	0.875	2.50	4.00	1.44	2.125	3.000	0.88	.37	.28	.19	# 8	0.94	2.00	0.80
DLBO-12	0.750	940	0.937	2.75	4.50	1.56	2.375	3.500	0.94	.43	.31	.19	# 8	1.00	2.25	1.00
DLBO-16	1.000	1,560	1.187	3.25	6.00	2.00	2.875	4.500	1.19	.56	.38	.22	#10	1.25	3.00	2.00
DLBO-20	1.250	2,340	1.500	4.00	7.50	2.56	3.500	5.500	1.50	.62	.44	.22	#10	1.63	3.75	4.20
DLBO-24	1.500	3,120	1.750	4.75	9.00	2.94	4.125	6.500	1.75	.75	.50	.28	1/4	1.88	4.50	6.70
DLBO-32	2.000	4,700	2.125	6.00	10.00	3.63	5.250	8.250	2.25	1.00	.63	.41	3/8	2.44	5.75	12.75





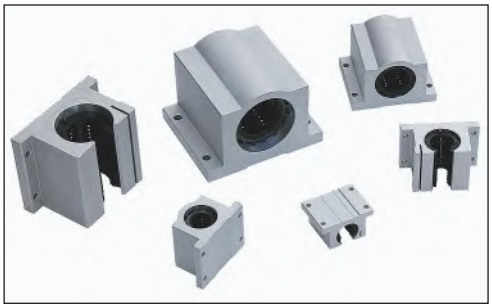
Footnotes:

(1) Rating based upon 2 million inches of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) Size 0.500 has oil lubricant fitting. Sizes 0.625 and above have a $^1/_4$-28 UNF straight thread access for lubrication.

(3) This value is the center to center distance (spacing) of the bearings on a single shaft (d_2).

More Information via the Web



More Information via the Web

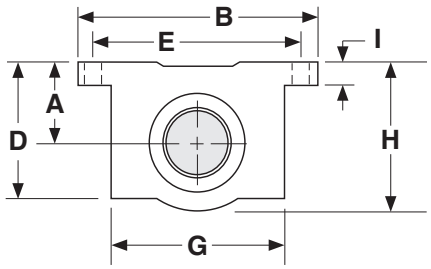
Specifications: SLBCH & SLBOH Pillow Blocks

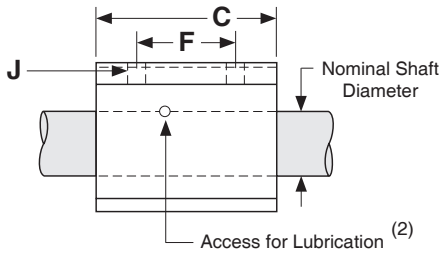
Bearing Housing Type & Finish	Aluminum 6061-T6 Pillow Block, Clear Anodized
Bearing Type & Seals	**LBCH** or **LBOH** series with Internal Wiper Seals on Both Ends
Corrosion Resistance	Electroless nickel plated load bushing plates and stainless steel recirculating balls
Hand Wheel Lock	Optional Aluminum Shaft Clamping Block
Operating Temperature	0^{o} F to + 185^{o} F
Maximum Speed	9.8 ft/second (3m/sec)
Matching Shaft	Class L (**SL** series), hardened & ground shafting
Diameter Tolerance	

Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance (inches)
0.750	.7495 / .7490
1.000	.9995 / .9990
1.250	1.2495 / 1.2490
1.500	1.4994 / 1.4989

Dimensions & Specifications: SLBCH Single Linear Bearing Closed Pillow Block (self-aligning)

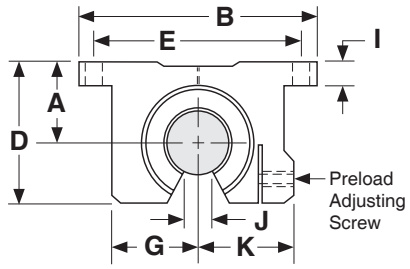
Model Number	Nominal Shaft Diameter (inches)	Dyn.(1) Load Capacity (lbs)	Dimensions (inches)											Block Weight (lbs)
			A +/- .003	B	C	D	E +/- .010	F +/- .010	G	H	I	J hole	J bolt	
SLBCH-12	0.750	1,130	0.937	2.75	2.06	1.56	2.375	1.250	1.88	1.75	.31	.19	# 8	0.60
SLBCH-16	1.000	1,900	1.187	3.25	2.81	1.94	2.875	1.750	2.38	2.19	.38	.22	#10	1.20
SLBCH-20	1.250	2,350	1.500	4.00	3.63	2.50	3.500	2.000	3.00	2.81	.44	.22	#10	2.50
SLBCH-24	1.500	3,880	1.750	4.75	4.00	2.88	4.125	2.500	3.50	3.25	.50	.28	1/4	3.80

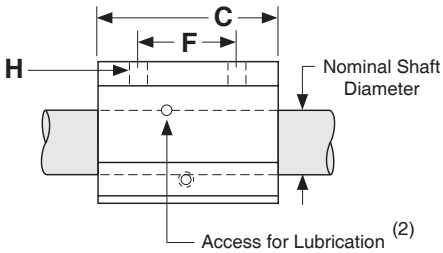




Dimensions & Specifications: SLBOH Single Linear Bearing Open Pillow Block (self-aligning)

Model Number	Nominal Shaft Diameter (inches)	Dyn.(1) Load Capacity (lbs)	Dimensions (inches)												Block Weight (lbs)
			A +/- .003	B	C	D	E +/- .010	F +/- .010	G	H hole	H bolt	I	J min.	K	
SLBOH-12	0.750	1,130	0.937	2.75	1.88	1.56	2.375	1.250	0.94	.19	# 8	.31	0.43	1.00	0.50
SLBOH-16	1.000	1,900	1.187	3.25	2.63	2.00	2.875	1.750	1.19	.22	#10	.38	0.56	1.25	1.00
SLBOH-20	1.250	2,350	1.500	4.00	3.38	2.56	3.500	2.000	1.50	.22	#10	.44	0.62	1.63	2.10
SLBOH-24	1.500	3,880	1.750	4.75	3.75	2.94	4.125	2.500	1.75	.28	1/4	.50	0.75	1.88	3.20



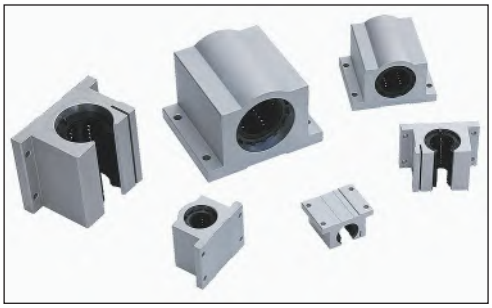


Footnotes:

(1) Rating based upon 2 million inches of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C). The actual load rating, and life, is dependent upon factors detailed on pages 6 to 13.

(2) Sizes 0.750 and above have a 1/4-28 UNF straight thread access for lubrication.

More Information via the Web



More Information via the Web

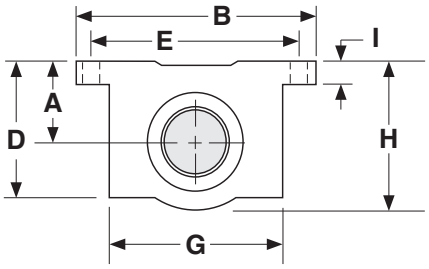
Specifications: DLBCH & DLBOH Pillow Blocks

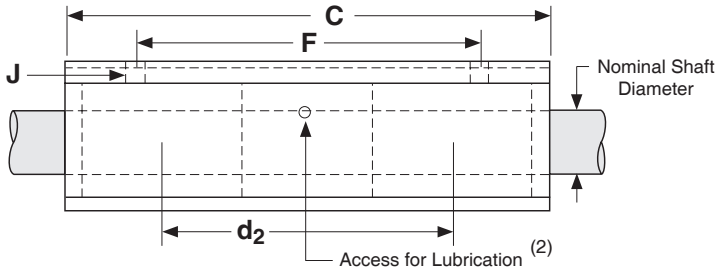
Bearing Housing Type & Finish	Aluminum 6061-T6 Pillow Block, Clear Anodized
Bearing Type & Seals	**LBCH** or **LBOH** series with Internal Wiper Seals on Both Ends
Corrosion Resistance	Electroless nickel plated load bushing plates and stainless steel recirculating balls
Hand Wheel Lock	Optional Aluminum Shaft Clamping Block
Operating Temperature	0^{o} F to + 185^{o} F
Maximum Speed	9.8 ft/second (3m/sec)
Matching Shaft	Class L (**SL** series), hardened & ground shafting
Diameter Tolerance	

Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance (inches)
0.750	.7495 / .7490
1.000	.9995 / .9990
1.250	1.2495 / 1.2490
1.500	1.4994 / 1.4989

Dimensions & Specifications: DLBCH Double Linear Bearing Closed Pillow Block (self-aligning)

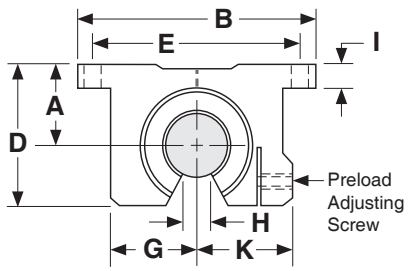
Model Number	Nominal Shaft Diameter (inches)	Dyn.(1) Load Capacity (lbs)	Dimensions (inches)												Block Weight (lbs)
			A +/- .003	B	C	D	E +/- .010	F +/- .010	G	H	I	J hole	J bolt	d_2(3)	
DLBCH-12	0.750	2,260	0.937	2.75	4.50	1.56	2.375	3.500	1.88	1.75	.31	.19	# 8	2.25	1.20
DLBCH-16	1.000	3,800	1.187	3.25	6.00	1.94	2.875	4.500	2.38	2.19	.38	.22	#10	3.00	2.40
DLBCH-20	1.250	4,700	1.500	4.00	7.50	2.50	3.500	5.500	3.00	2.81	.44	.22	#10	3.75	5.00
DLBCH-24	1.500	7,760	1.750	4.75	9.00	2.88	4.125	6.500	3.50	3.25	.50	.28	¼	4.50	7.80

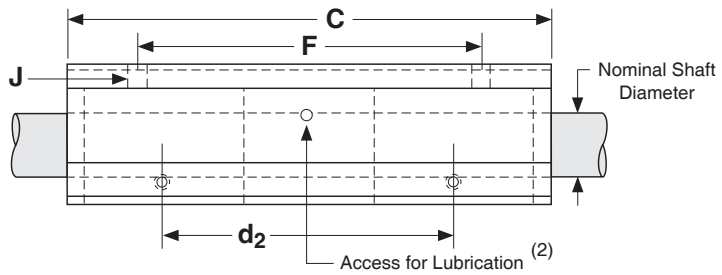




Dimensions & Specifications: DLBOH Double Linear Bearing Pillow Block Open (self-aligning)

Model Number	Nominal Shaft Diameter (inches)	Dyn.(1) Load Capacity (lbs)	Dimensions (inches)													Block Weight (lbs)
			A +/- .003	B	C	D	E +/- .010	F +/- .010	G	H min.	I	J hole	J bolt	K	d_2(3)	
DLBOH-12	0.750	2,260	0.937	2.75	4.50	1.56	2.375	3.500	0.94	.43	.31	.19	# 8	1.00	2.25	1.00
DLBOH-16	1.000	3,800	1.187	3.25	6.00	2.00	2.875	4.500	1.19	.56	.38	.22	#10	1.25	3.00	2.00
DLBOH-20	1.250	4,700	1.500	4.00	7.50	2.56	3.500	5.500	1.50	.62	.44	.22	#10	1.63	3.75	4.20
DLBOH-24	1.500	7,760	1.750	4.75	9.00	2.94	4.125	6.500	1.75	.75	.50	.28	¼	1.88	4.50	6.70





Footnotes:

(1) Rating based upon 2 million inches of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C). The actual load rating, and life, is dependent upon factors detailed on pages 6 to 13.

(2) Sizes 0.750 and above have a $^1/_4$-28 UNF straight thread access for lubrication.

(3) This value is the center to center distance (spacing) of the bearings on a single shaft (d_2).

More Information via the Web

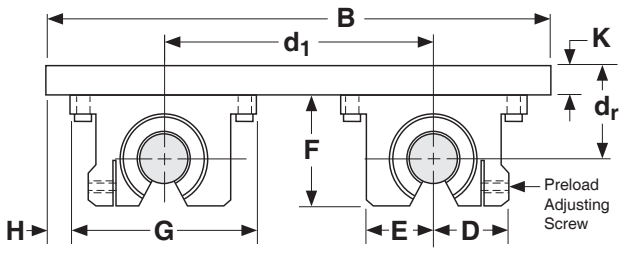
More Information via the Web

Specifications: TRCA *TWIN RAIL*® Carriage Assembly

Bearing Housing Type & Finish	Aluminum 6061-T6 Pillow Block, Natural Finish
Bearing Seals	Internal Wiper Seals on Both Ends
Carriage Plate Type & Finish	Machined Aluminum 6061-T6 Plate, Black Anodized
Bearing Alignment on Plate	+/- 0.001", Pillow Blocks Doweled to Carriage Plate
Operating Temperature	0^{o} F to + 185^{o} F
Maximum Speed	9 ft/second
Matching *TWIN RAIL*® Assembly	**TRSA** series
Diameter Tolerance	

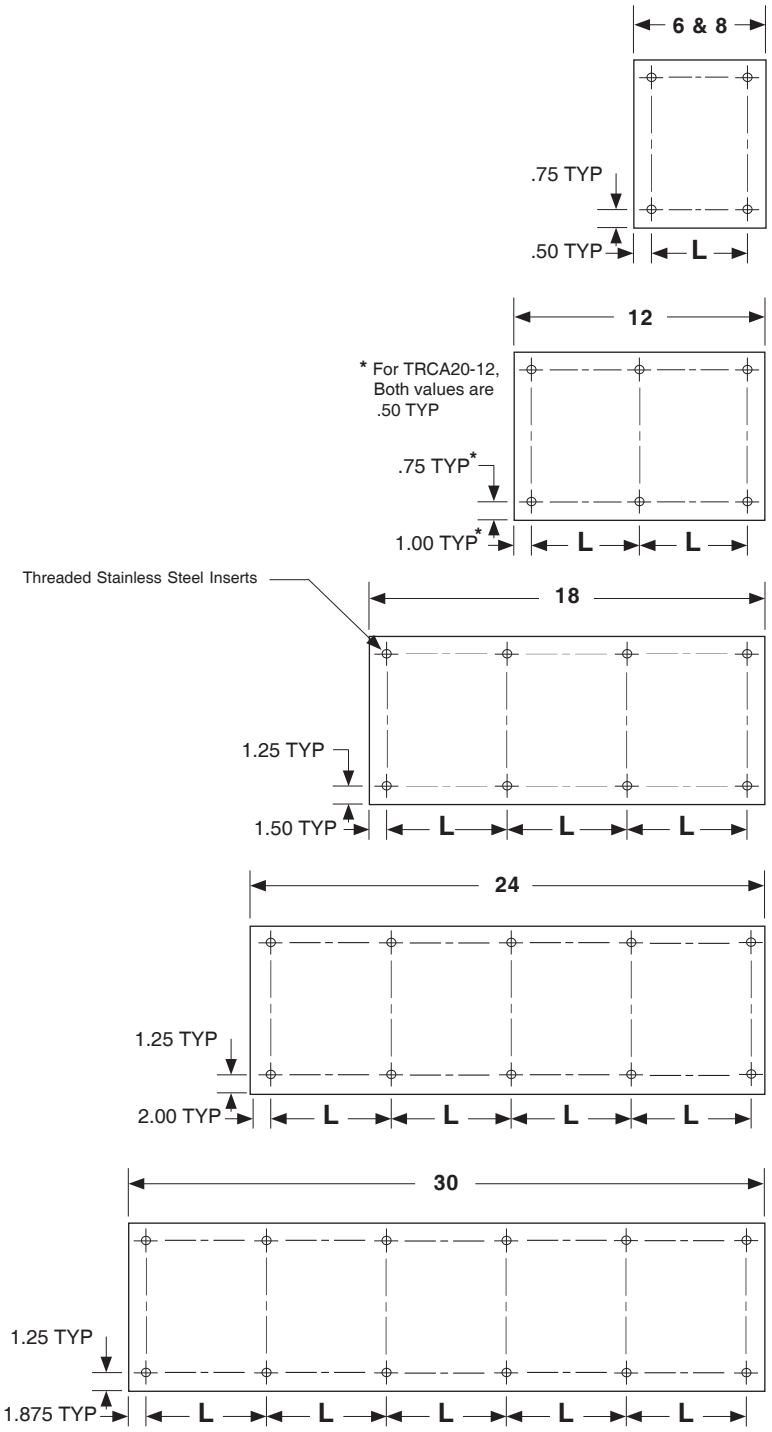
Nominal Shaft Diameter (inches)	Shaft Diameter Tolerance (inches)
0.500	.4995 / .4990
0.625	.6245 / .6240
0.750	.7495 / .7490
1.000	.9995 / .9990
1.250	1.2495 / 1.2490
1.500	1.4994 / 1.4989
2.000	1.9994 / 1.9987

Model Number	Nominal Shaft Diameter (inches)	Dynamic Load Cap. Standard (lbs)	Dynamic Load Cap. High (lbs)	Dimensions (inches)								
				B +/- .005	D	E	F	G	H	K	d_r	d_1
TRCA8	0.500	920		5.50	0.75	0.68	1.12	2.00	.25	0.375	1.062	3.00
TRCA10	0.625	1,520		6.75	0.93	0.87	1.43	2.50	.25	0.375	1.250	3.75
TRCA12	0.750	1,880	4,520	7.75	1.00	0.93	1.56	2.75	.25	0.500	1.437	4.50
TRCA16	1.000	3,280	7,600	9.00	1.25	1.18	2.00	3.25	.25	0.500	1.687	5.25
TRCA20	1.250	4,840	9,400	10.50	1.62	1.50	2.56	4.00	.25	0.750	2.250	6.00
TRCA24	1.500	6,080	13,520	12.00	1.87	1.75	2.93	4.75	.31	1.000	2.750	6.62
TRCA32	2.000	9,640		14.00	2.43	2.25	3.62	6.00	.37	1.250	3.375	7.25



Dimensions & Specifications: TRCA-P Pre-Drilled Mounting Holes

Model Number	Carriage Length (inches)	L (inches)	Threaded Insert Size
TRCA8-6-P	6.00	5.00	#10-32
TRCA8-12-P	12.00	5.00	#10-32
TRCA8-18-P	18.00	5.00	#10-32
TRCA10-6-P	6.00	5.00	#10-32
TRCA10-12-P	12.00	5.00	#10-32
TRCA10-18-P	18.00	5.50	#10-32
TRCA12-6-P **TRCA12H-6-P**	6.00	5.00	1/4-28
TRCA12-12-P **TRCA12H-12-P**	12.00	5.00	1/4-28
TRCA12-18-P **TRCA12H-18-P**	18.00	5.50	1/4-28
TRCA16-6-P **TRCA16H-6-P**	6.00	5.00	5/16-24
TRCA16-12-P **TRCA16H-12-P**	12.00	5.00	5/16-24
TRCA16-18-P **TRCA16H-18-P**	18.00	5.00	5/16-24
TRCA16-24-P **TRCA16H-24-P**	24.00	5.00	5/16-24
TRCA20-8-P **TRCA20H-8-P**	8.00	7.00	3/8-24
TRCA20-12-P **TRCA20H-12-P**	12.00	5.00	3/8-24
TRCA20-18-P **TRCA20H-18-P**	18.00	5.00	3/8-24
TRCA20-24-P **TRCA20H-24-P**	24.00	5.00	3/8-24
TRCA24-12-P **TRCA24H-12-P**	12.00	5.00	3/8-24
TRCA24-18-P **TRCA24H-18-P**	18.00	5.00	3/8-24
TRCA24-24-P **TRCA24H-24-P**	24.00	5.00	3/8-24
TRCA24-30-P **TRCA24H-30-P**	30.00	5.25	3/8-24
TRCA32-18-P	18.00	5.00	1/2-20
TRCA32-24-P	24.00	5.00	1/2-20
TRCA32-30-P	30.00	5.25	1/2-20

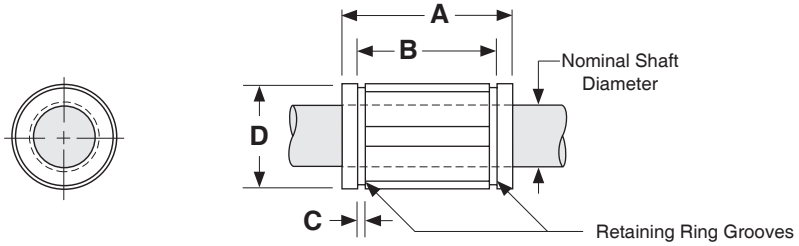


More Information via the Web

More Information via the Web

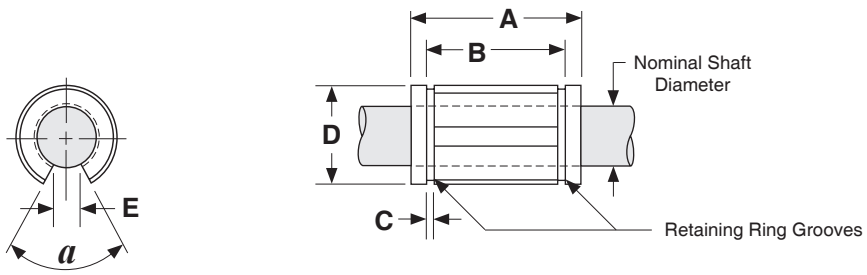
Dimensions & Specifications: LBCM Linear Bearing Closed Metric (Asian Style)

Model Number		Nominal Shaft Diameter	Dynamic (1) Load Capacity	Housing (2) Bore D	Dimensions (mm)			No. of Ball Tracks	Bearing Weight
Without Seals	With Seals	(mm)	N (Kgf)	(mm)	A	B	C		(kg)
LBCM-16	LBCM-16-S	16	1225 (119,9)	28	37	26,5	1,60	5	0,034
LBCM-20	LBCM-20-S	20	2303 (239,8)	32	42	30,5	1,60	6	0,058
LBCM-25	LBCM-25-S	25	4312 (459,6)	40	59	41,0	1,85	6	0,120
LBCM-30	LBCM-30-S	30	4802 (569,6)	45	64	44,5	1,85	6	0,148
LBCM-40	LBCM-40-S	40	9310 (949,3)	60	80	60,5	2,10	6	0,314



Dimensions & Specifications: LBOM Linear Bearing Open Metric (Asian Style)

Model Number		Nominal Shaft Diameter	Dynamic (1) Load Capacity	Housing (2) Bore D	Dimensions (mm)				Angle	No. of Ball Tracks	Bearing Weight
Without Seals	With Seals	(mm)	N (Kgf)	(mm)	A	B	C	E min.	*a*		(kg)
LBOM-16	LBOM-16-S	16	1372 (139,9)	28	37	26,5	1,60	11,0	60^0	4	0,026
LBOM-20	LBOM-20-S	20	2332 (237,8)	32	42	30,5	1,60	11,0	60^0	5	0,048
LBOM-25	LBOM-25-S	25	4351 (443,7)	40	59	41,0	1,85	12,5	60^0	5	0,100
LBOM-30	LBOM-30-S	30	4851 (494,7)	45	64	44,5	1,85	15,0	60^0	5	0,122
LBOM-40	LBOM-40-S	40	9408 (959,3)	60	80	60,5	2,15	20,0	60^0	5	0,260



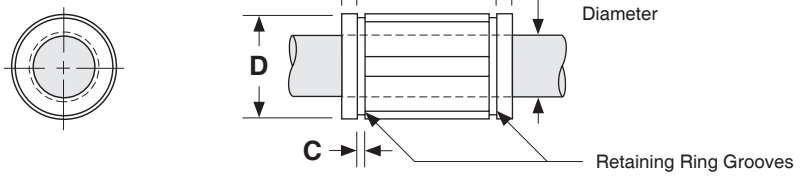
(1) Rating based upon 50 km of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) This specification is based upon the bearing being on the shaft.

More Information via the Web

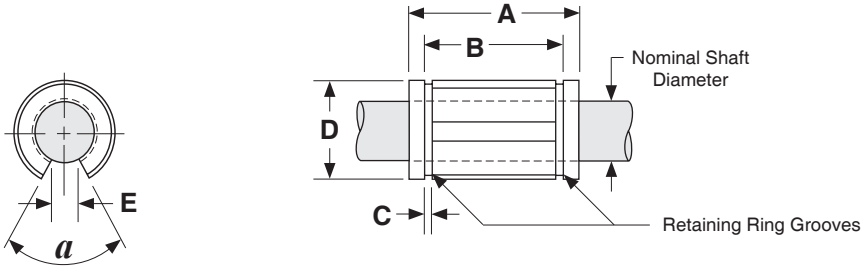
Dimensions & Specifications: LBCME Linear Bearing Closed Metric (European Style)

Model Number		Nominal Shaft Diameter	Dynamic (1) Load Capacity	Housing (2) Bore D	Dimensions (mm)			No. of Ball Tracks	Bearing Weight
Without Seals	With Seals	(mm)	N (Kgf)	(mm)	A	B	C		(kg)
LBCME-16	LBCME-16-S	16	1176 (119,9)	26	36	24,6	1,30	5	0,026
LBCME-20	LBCME-20-S	20	2352 (239,8)	32	45	31,2	1,60	6	0,060
LBCME-25	LBCME-25-S	25	4508 (459,6)	40	58	43,7	1,85	6	0,120
LBCME-30	LBCME-30-S	30	5586 (569,6)	47	68	51,7	1,85	6	0,184
LBCME-40	LBCME-40-S	40	9310 (949,3)	62	80	60,3	2,15	6	0,342
LBCME-50	LBCME-50-S	50	13720 (1399,0)	75	100	77,3	2,65	6	0,586



Dimensions & Specifications: LBOME Linear Bearing Open Metric (European Style)

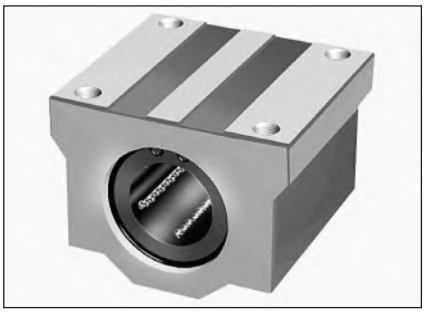
Model Number		Nominal Shaft Diameter	Dynamic (1) Load Capacity	Housing (2) Bore D	Dimensions (mm)				Angle	No. of Ball Tracks	Bearing Weight
Without Seals	With Seals	(mm)	N (Kgf)	(mm)	A	B	C	E min.	*a*		(kg)
LBOME-16	LBOME-16-S	16	1332 (135,8)	26	36	24,6	1,30	9,0	68^0	4	0,020
LBOME-20	LBOME-20-S	20	2371 (241,8)	32	45	31,2	1,60	9,0	55^0	5	0,050
LBOME-25	LBOME-25-S	25	4557 (464,7)	40	58	43,7	1,85	11,5	57^0	5	0,100
LBOME-30	LBOME-30-S	30	5644 (575,5)	47	68	51,7	1,85	14,0	57^0	5	0,154
LBOME-40	LBOME-40-S	40	9398 (958,3)	62	80	60,3	2,15	19,5	56^0	5	0,286
LBOME-50	LBOME-50-S	50	13857 (1413,0)	75	100	77,3	2,65	22,5	54^0	5	0,486



(1) Rating based upon 50 km of travel with the load forces being applied downward on the linear bearing, while in a horizontal application, and based upon 1060 steel shafting (Rockwell 60C).

(2) This specification is based upon the bearing being on the shaft.

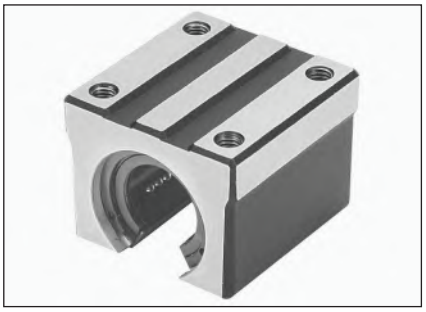
SLBCM Series
Single Self-Aligning Closed



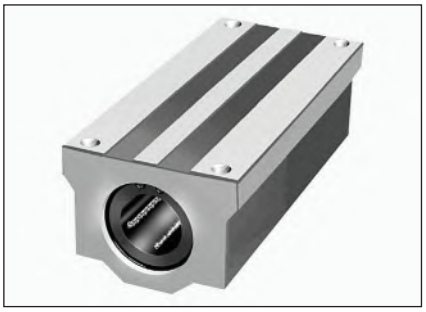
SLBCM-A Series
Single Self-Aligning Closed Adjustable

More Information via the Web

SLBOM Series
Single Self-Aligning Open



DLBCM Series
Double Self-Aligning Closed



More Information via the Web

SLBCME Series
Single Self-Aligning Closed

SLBCME-A Series
Single Self-Aligning Closed Adjustable

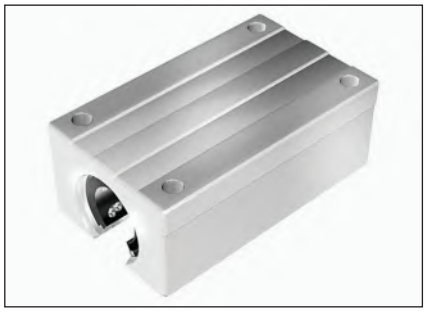
SLBOME Series
Single Self-Aligning Open

SLBOME-A Series
Single Self-Aligning Open Adjustable

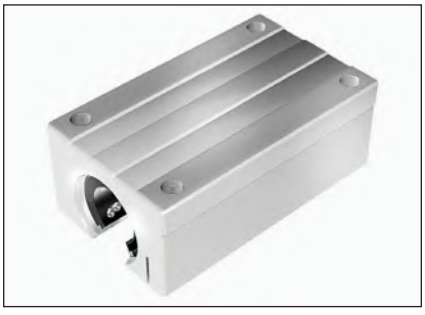
DLBCME Series
Double Self-Aligning Closed

DLBCME-A Series
Single Self-Aligning Closed Adjustable

DLBOME Series
Double Self-Aligning Open

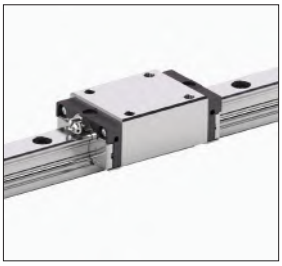


DLBOME-A Series
Double Self-Aligning Open Adjustable



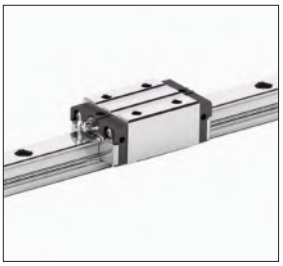
More Information via the Web

ARC series



* Standard profile height bearing blocks
* Standard and Flanged wide bearing blocks
* Short, Standard, and Long length bearing blocks
* 15, 20, 25, 30, 35, 45 mm rail sizes
* Equal loading in all directions
* Normal, High, and Precision accuracy grades
* Light, Medium, and Heavy preload options
* Low noise Ball Chain *optional*
* Self lube reservoir *optional*

HRC series



* Heavy / High profile height bearing blocks
* Standard and Flanged wide bearing blocks
* Standard, and Long length bearing blocks
* 15, 20, 25, 30, 35, 45 mm rail sizes
* Equal loading in all directions
* Normal, High, and Precision accuracy grades
* Light, Medium, and Heavy preload options
* Low noise Ball Chain *optional*
* Self lube reservoir *optional*

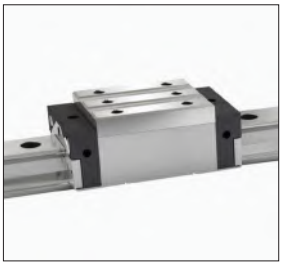
WRC series

* Wide Rail linear guides
* Standard and Flanged wide bearing blocks
* Standard length bearing blocks
* 4 rows of re-circulating balls
* Equal loading in all directions
* Normal, High, and Precision accuracy grades
* Light, Medium, and Heavy preload options
* Low noise Ball Chain *optional*
* Self lube reservoir *optional*

ARR series

* Standard profile height roller bearing blocks
* Standard and Flanged wide roller bearing blocks
* Standard, and Long length roller bearing blocks
* 35 and 45 mm rail size
* 4 rows of re-circulating rollers
* Equal loading in all directions
* H, P, SP and UP accuracy grades
* Light, Medium, and Heavy preload options
* Low noise Ball Chain *optional*

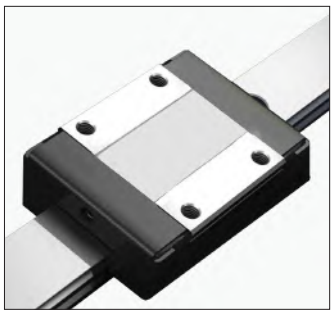
HRR series



* High profile height roller bearing blocks
* Standard and Flanged wide roller bearing blocks
* Standard, Long and Extra Long length roller bearing blocks
* 35 and 45 mm rail size
* 4 rows of re-circulating rollers
* Equal loading in all directions
* H, P, SP and UP accuracy grades
* Light, Medium, and Heavy preload options
* Low noise Ball Chain *optional*

LRR series

* Low profile height roller bearing blocks
* Standard and Flanged wide roller bearing blocks
* Standard, Long and Extra Long length blocks
* 35 and 45 mm rail size
* 4 rows of re-circulating rollers
* Equal loading in all directions
* H, P, SP and UP accuracy grades
* Light, Medium, and Heavy preload options
* Low noise Ball Chain *optional*

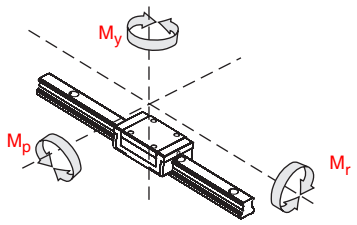


* Miniature Rail linear guide
* Standard and Wide wide bearing blocks
* Standard and Long length bearing blocks
* Stainless steel bearing, rail, and balls
* 2 rows of re-circulating balls
* 2, 3, 5, 7, 9, 12, 15 mm rail sizes
* Normal, High and Precision accuracy grades
* Zero, Standard and Medium preload options
* Dust proof design

More Information via the Web

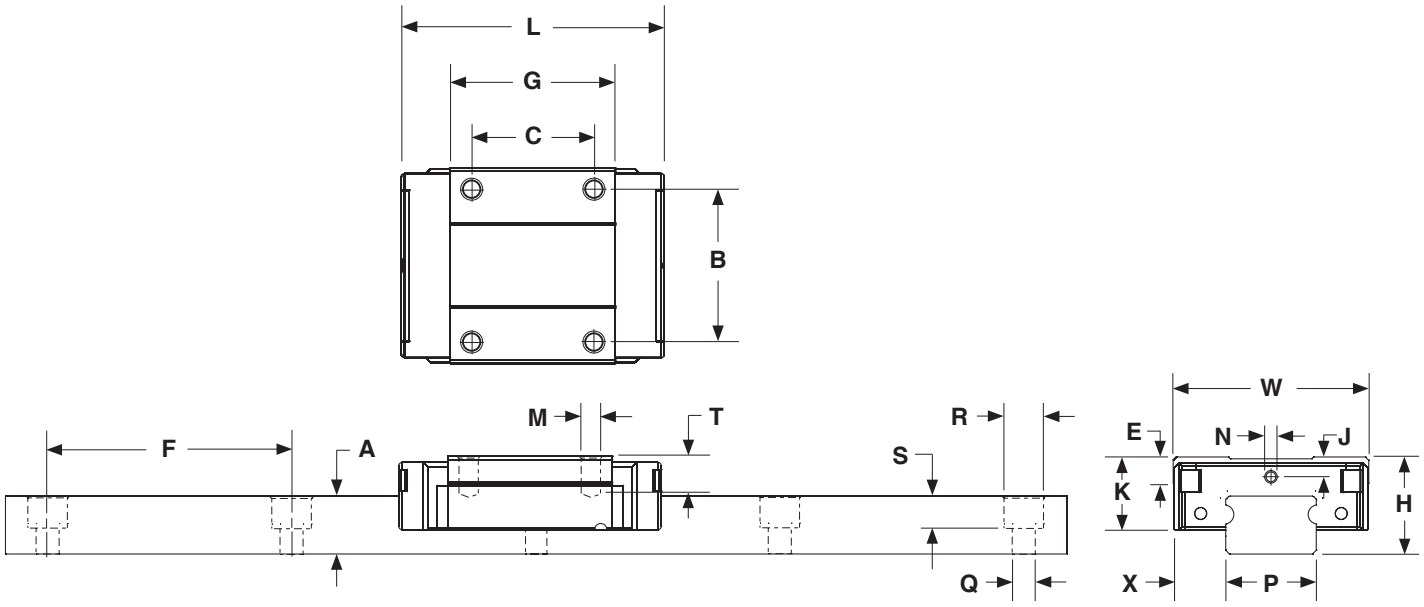
Load Capacities - MR series

Model Number	Dynamic Load Capacity C_{50} (kN @ 50 km)	Static Load Capacity C_0 (kN)	Static Moment Loads		
			M_r (Nm)	M_p (Nm)	M_y (Nm)
MR 3 MN	.24	.31	.6	.4	.4
MR 3 WN	.35	.53	1.6	.9	.9
MR 3 ML	.37	.58	.9	1.1	1.1
MR 2 WL	.39	.62	1.6	1.2	1.2
MR 5 MN	.42	.55	1.7	1.0	1.0
MR 3 WL	.47	.80	2.5	1.9	1.9
MR 5 ML	.59	.90	2.4	2.1	2.1
MR 5 WN	.60	.90	4.6	2.2	2.2
MR 5 WL	.77	1.31	6.8	4.1	4.1
MR 7 MN	1.12	1.44	5.2	3.3	3.3
MR 7 WN	1.49	2.09	15.0	7.3	7.3
MR 7 ML	1.65	2.44	9.0	7.7	7.7
MR 7 WL	1.98	3.14	22.6	14.9	14.9
MR 9 MN	1.98	2.49	11.7	6.4	6.4
MR 9 WN	2.56	3.60	33.2	13.7	13.7
MR 9 ML	2.69	3.88	18.2	12.4	12.4
MR 12 MN	2.91	3.46	21.5	12.9	12.9
MR 9 WL	3.21	4.99	45.9	26.7	26.7
MR 12 WN	3.86	5.20	63.7	26.3	26.3
MR 12 ML	4.08	5.63	34.9	30.2	30.2
MR 15 MN	4.80	5.59	43.6	27.0	27.0
MR 12 WL	5.13	7.80	95.6	56.4	56.4
MR 15 WN	6.38	8.38	171.1	45.7	45.7
MR 15 ML	6.74	9.08	70.0	63.3	63.3
MR 15 WL	8.47	12.58	257.6	93.1	93.1



Dimensions & Specifications - SS / ZZ End Seals

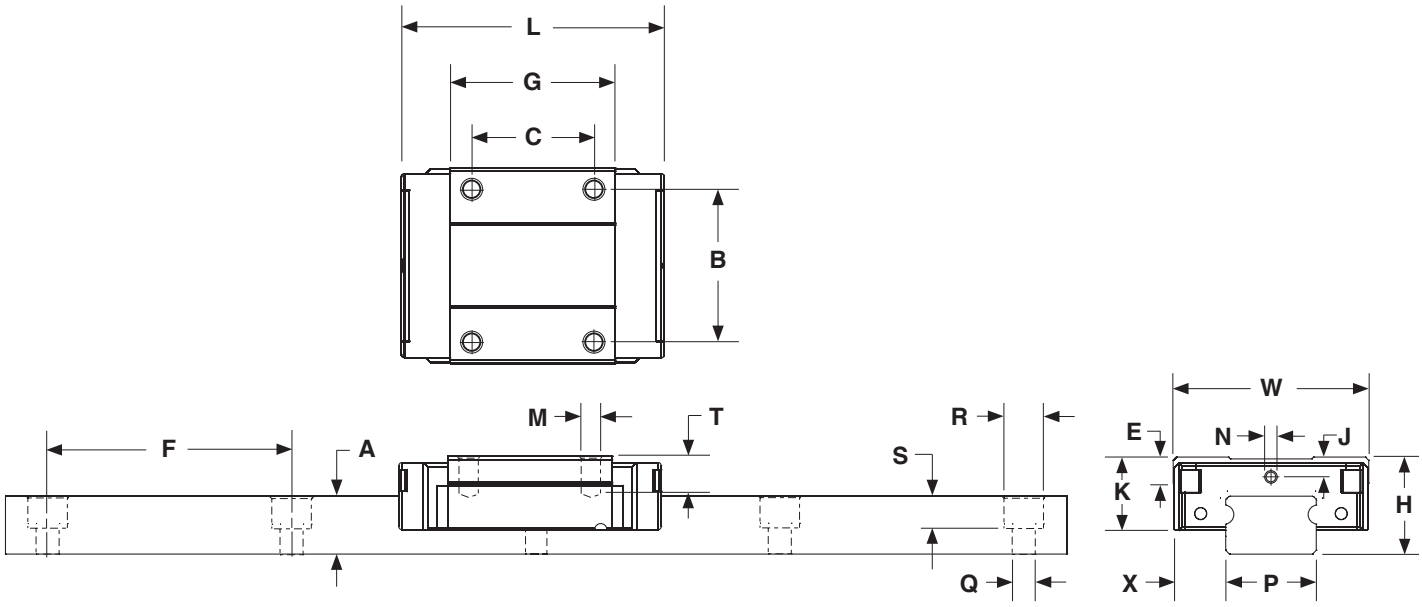
Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MRU 3 MN SS	4	8	11.9	-	3.5	M1.6 x 1.1	3.2	6.7	0.3	0.7	1.5	3	2.5	2.6	10	M1.6	0.9	53
MRU 3 ML SS			16.1		5.5	M2 x 1.1		11.0									1.2	
MR 5 MN SS/ZZ	6	12	16.3	8	-	M2 x 1.5	4.7	10.0	0.7	1.3	2.0	5	3.5	3.5	15	2.4 x 3.5 x 1	3.5	116
MR 5 ML SS/ZZ			19.7	-	7	M2.6 x 2	4.6	13.5									4	
MR 7 MN SS/ZZ	8	17	24.1	12	8	M2 x 2.5	6.6	14.3	1.1	1.6	2.8	7	5.0	4.7	15	2.4 x 4.2 x 2.3	8	215
MR 7 ML SS/ZZ			31.5		13		6.7	21.8									14	
MR 9 MN SS/ZZ	10	20	30.9	15	10	M3 x 3.0	7.9	20.5	1.3	2.2	3.3	9	5.5	5.5	20	3.5 x 6 x 3.5	18	301
MR 9 ML SS/ZZ			41.1		16		8.0	30.8									28	
MR 12 MN SS/ZZ	13	27	35.8	20	15	M3 x 3.5	10.1	22.0	1.3	3.2	4.3	12	7.5	7.5	25	3.5 x 6 x 4.5	34	602
MR 12 ML SS/ZZ			47.8		20		10.2	34.0									51	
MR 15 MN SS/ZZ	16	32	43.4	25	20	M3 x 5.5	12.2	27.0	1.8	3.3	4.3	15	8.5	9.5	40	3.5 x 6 x 4.5	61	930
MR 15 ML SS/ZZ			60.2		25			44.0									90	



More Information via the Web

Dimensions & Specifications - SU / ZU End & Bottom Seals

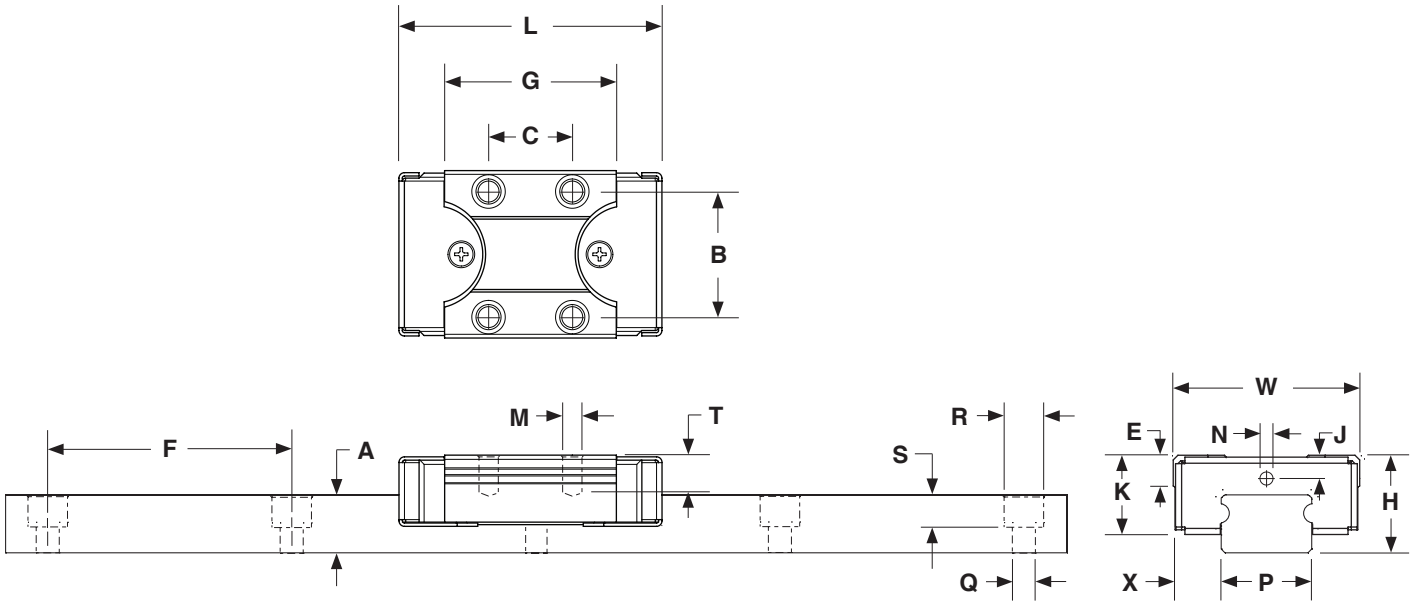
Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MRU 3 MN SU/ZU	4	8	11.8	-	3.5	M1.6 x 1.1	3.5	6.7	0.3	0.7	1.5	3	2.5	2.6	10	M1.6	0.9	53
MRU 3 ML SU/ZU			16.1		5.5	M2 x 1.1		11.0									1.2	
MR 5 MN SU/ZU	6	12	16.9	8	-	M2 x 1.5	4.9	10.0	0.7	1.3	2.0	5	3.5	3.5	15	2.4 x 3.5 x 1	3.5	116
MR 5 ML SU/ZU			19.9	-	7	M2.6 x 2		13.5									4	
MR 7 MN SU/ZU	8	17	24.0	12	8	M2 x 2.5	7.0	14.3	1.1	1.6	2.8	7	5.0	4.7	15	2.4 x 4.2 x 2.3	8	215
MR 7 ML SU/ZU			31.4		13		6.9	21.8									14	
MR 9 MN SU/ZU	10	20	30.9	15	10	M3 x 3.0	8.3	20.5	1.3	2.2	3.3	9	5.5	5.5	20	3.5 x 6 x 3.5	18	301
MR 9 ML SU/ZU			41.1		16		8.2	30.8									28	
MR 12 MN SU/ZU	13	27	35.7	20	15	M3 x 3.5	10.4	22.0	1.3	3.2	4.3	12	7.5	7.5	25	3.5 x 6 x 4.5	34	602
MR 12 ML SU/ZU			48.0		20		10.5	34.0									51	
MR 15 MN SU/ZU	16	32	43.5	25	20	M3 x 5.5	12.5	27.0	1.8	3.3	4.3	15	8.5	9.5	40	3.5 x 6 x 4.5	61	930
MR 15 ML SU/ZU			60.4		25			44.0									90	



More Information via the Web

Dimensions & Specifications - EE / EZ End Seals & Reinforcement Plates

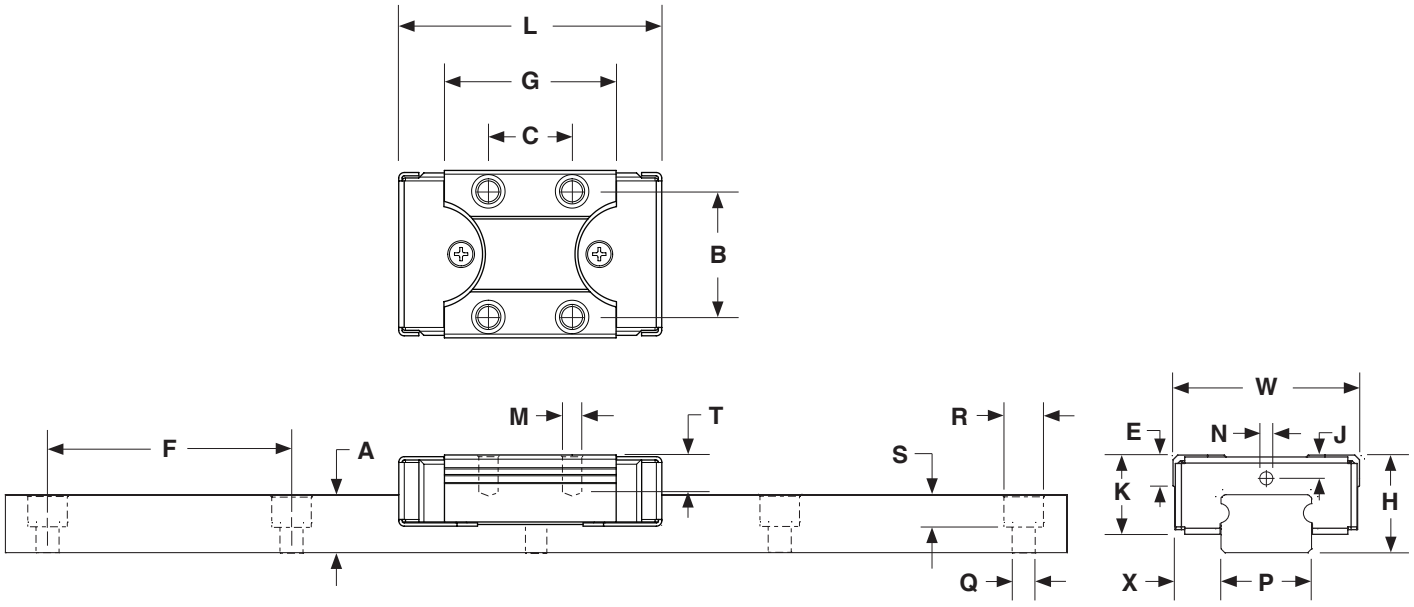
Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MR 5 MN EE/EZ	6	12	16.9	8	-	M2 x 1.5	5.0	10.0	0.7	1.3	2.0	5	3.5	3.5	15	2.4 x 3.5 x 1	3.5	116
MR 5 ML EE/EZ			20.4	-	7	M2.6 x 2		13.5									4	
MR 9 MN EE/EZ	10	20	31.7	15	10	M3 x 3.0	8.4	20.5	1.3	2.2	3.3	9	5.5	5.5	20	3.5 x 6 x 3.5	18	301
MR 9 ML EE/EZ			42.0		16			30.8									28	
MR 12 MN EE/EZ	13	27	37.0	20	15	M3 x 3.5	10.9	22.0	1.3	3.2	4.3	12	7.5	7.5	25	3.5 x 6 x 4.5	34	602
MR 12 ML EE/EZ			49.0		20			34.0									51	
MR 15 MN EE/EZ	16	32	45.2	25	20	M3 x 5.5	13.2	27.0	1.8	3.3	4.3	15	8.5	9.5	40	3.5 x 6 x 4.5	61	930
MR 15 ML EE/EZ			62.1		25			44.0									90	



More Information via the Web

Dimensions & Specifications - EU / UZ End Seals & Reinforcement Plates & Stainless Steel Bottom Seals

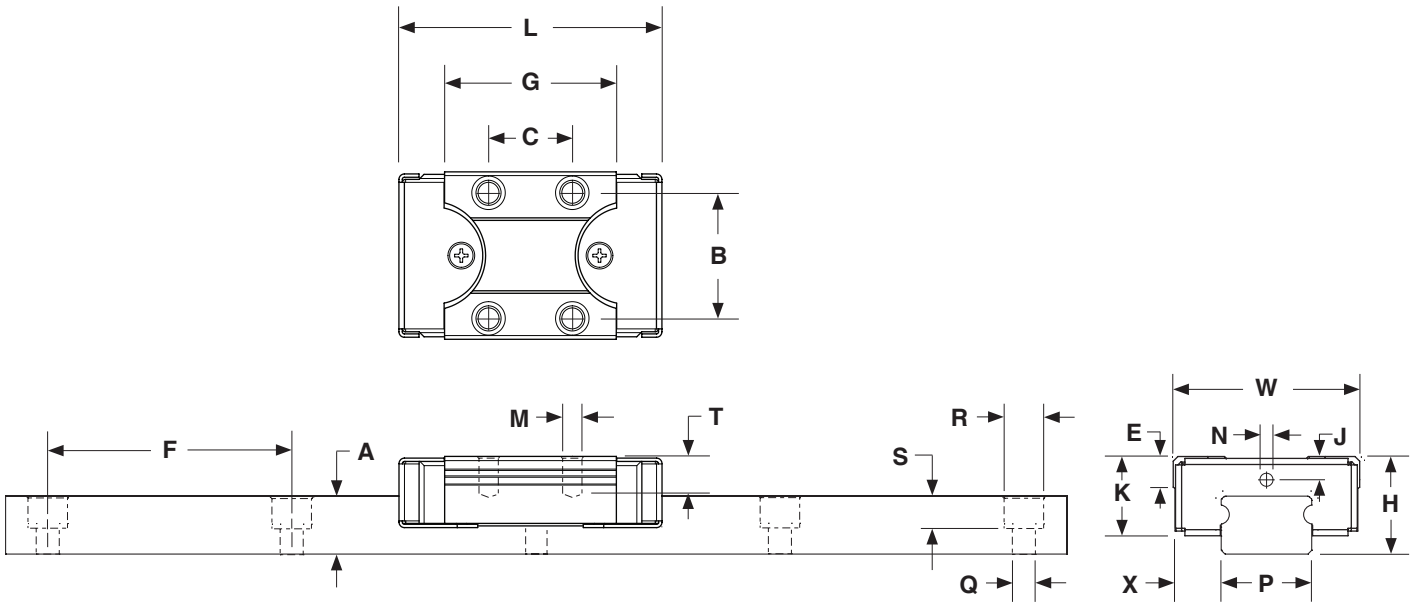
Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MR 9 MN EU/UZ	10	20	31.9	15	10	M3 x 3.0	8.5	20.5	1.3	2.2	3.3	9	5.5	5.5	20	3.5 x 6 x 3.5	18	301
MR 9 ML EU/UZ			42.0		16			30.8									28	
MR 12 MN EU/UZ	13	27	37.0	20	15	M3 x 3.5	11.0	22.0	1.3	3.2	4.3	12	7.5	7.5	25	3.5 x 6 x 4.5	34	602
MR 12 ML EU/UZ			49.0		20			34.0									51	
MR 15 MN EU/UZ	16	32	45.1	25	20	M3 x 5.5	13.1	27.0	1.8	3.3	4.3	15	8.5	9.5	40	3.5 x 6 x 4.5	61	930
MR 15 ML EU/UZ			62.1		25		13.2	44.0									90	



More Information via the Web

Dimensions & Specifications - SUE / ZUE End & Bottom Seals $ Reinforcement Plates

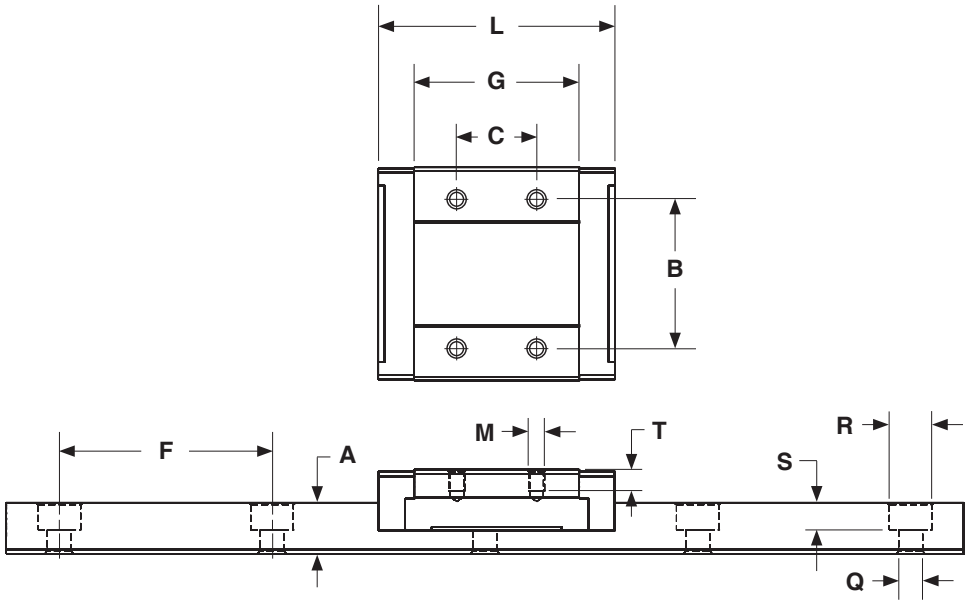
Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MR 5 MN SUE/ZUE	6	12	16.8	8	-	M2 x 1.5	5.0	10.0	0.7	1.3	2.0	5	3.5	3.5	15	2.4 x 3.5 x 1	3.5	116
MR 5 ML SUE/ZUE			20.3	-	7	M2.6 x 2	5.1	13.5									4	
MR 9 MN SUE/ZUE	10	20	31.9	15	10	M3 x 3.0	8.7	20.5	1.3	2.2	3.3	9	5.5	5.5	20	3.5 x 6 x 3.5	18	301
MR 9 ML SUE/ZUE			42.0		16		8.6	30.8									28	
MR 12 MN SUE/ZUE	13	27	37.0	20	15	M3 x 3.5	11.2	22.0	1.3	3.2	4.3	12	7.5	7.5	25	3.5 x 6 x 4.5	34	602
MR 12 ML SUE/ZUE			49.0		20		11.1	34.0									51	
MR 15 MN SUE/ZUE	16	32	45.1	25	20	M3 x 5.5	13.3	27.0	1.8	3.3	4.3	15	8.5	9.5	40	3.5 x 6 x 4.5	61	930
MR 15 ML SUE/ZUE			62.0		25		13.1	44.0									90	

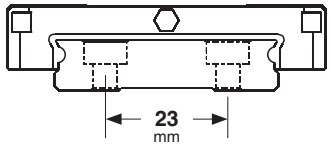


More Information via the Web

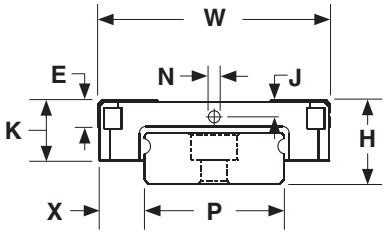
Dimensions & Specifications - SS / ZZ End Seals

Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MR 2 WL SS/ZZ	4	10	17.4	-	6.5	M2 x 1.3	3.2	11.9	-	-	1.3	4	3	2.6	10	1.8 x 2.8 x 1	3.0	69
MR 3 WN SS	4.5	12	15.3	-	4.5	M2 x 1.4	3.9	10.0	0.3	0.8	1.8	6	3	2.7	15	2.4 x 4 x 1.5	3.4	105
MR 5 WN SS MR 5 WL SS	6.5	17	21.4 27.6	13	6.5 11	M2.5 x 1.5	5.1	15.1 21.2	0.9	1.2	2.3	10	3.5	4	20	3 x 5.5 x 1.6	6 8	280
MR 7 WN SS/ZZ MR 7 WL SS/ZZ	9	25	31.9 40.8	19	10 19	M3 x 3.0	7.1	21.2 30.1	1.1	1.9	3.2	14	5.5	5.2	30	3.5 x 6 x 3.5	19 27	516
MR 9 WN SS/ZZ MR 9 WL SS/ZZ	12	30	39.4 50.8	21 23	12 24	M3 x 3.0	8.8	27.9 39.4	1.3	2.6	4.0	18	6	7.3	30	3.5 x 6 x 4.5	37 51	940
MR 12 WN SS/ZZ MR 12 WL SS/ZZ	14	40	44.9 60.0	28	15 28	M3 x 3.5	10.3	31.1 46.0	1.4	3.1	4.5	24	8	8.5	40	4.5 x 8 x 4.5	65 93	1472
MR 15 WN SS/ZZ MR 15 WL SS/ZZ	16	60	55.7 74.9	45	20 35	M4 x 4.5	12.3	38.5 57.6	1.9	3.3	4.5	42	9	9.5	40	4.5 x 8 x 4.5	137 200	2818





For **MR15W**

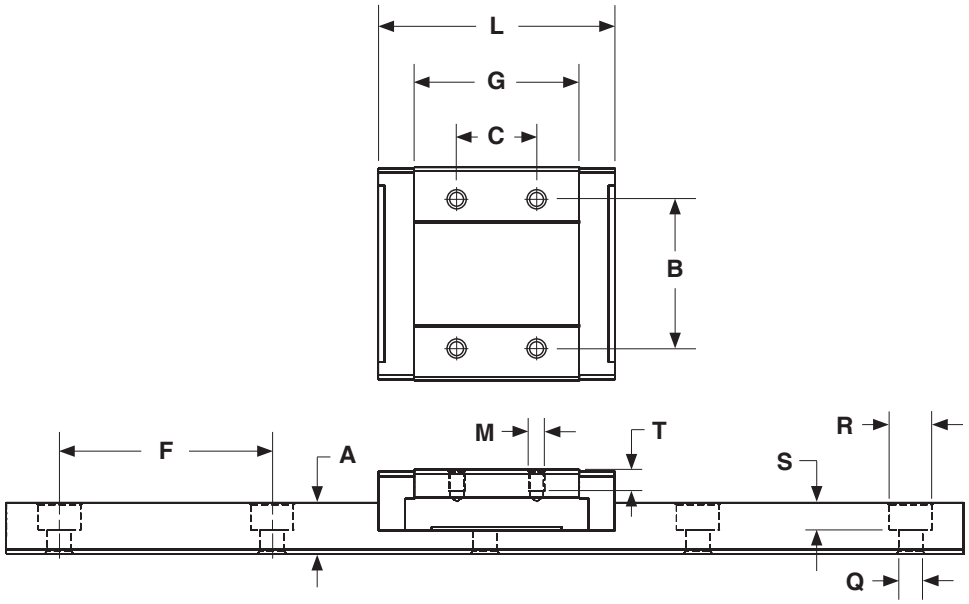


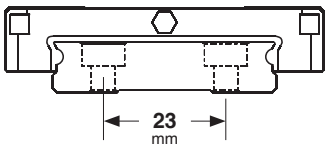
For **MR2W** thru **MR12W**

[More Information via the Web]

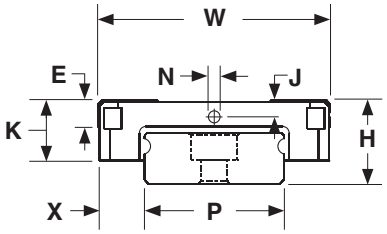
Dimensions & Specifications - SU / ZU End & Bottom Seals

Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MR 2 WL SU/ZU	4	10	17.0	-	6.5	M2 x 1.3	3.1	11.9	-	-	1.3	4	3	2.6	10	1.8 x 2.8 x 1	3.0	69
MR 3 WN SU/ZU MR 3 WL SU/ZU	4.5	12	15.4 20.3	-	4.5 8	M2 x 1.4	3.9 4.0	10.0 15.1	0.3	0.8	1.8	6	3	2.7	15	2.4 x 4 x 1.5	3.4 3.4	105
MR 5 WN SU/ZU MR 5 WL SU/ZU	6.5	17	21.4 27.5	13	6.5 11	M2.5 x 1.5	5.4 5.5	15.1 21.2	0.9	1.2	2.3	10	3.5	4	20	3 x 5.5 x 1.6	6 8	280
MR 7 WN SU/ZU MR 7 WL SU/ZU	9	25	32.0 40.9	19	10 19	M3 x 3.0	7.3 7.4	21.2 30.1	1.1	1.9	3.2	14	5.5	5.2	30	3.5 x 6 x 3.5	19 27	516
MR 9 WN SU/ZU MR 9 WL SU/ZU	12	30	39.4 51.0	21 23	12 24	M3 x 3.0	9.1 9.0	27.9 39.5	1.3	2.6	4.0	18	6	7.3	30	3.5 x 6 x 4.5	37 51	940
MR 12 WN SU/ZU MR 12 WL SU/ZU	14	40	44.7 59.8	28	15 28	M3 x 3.5	10.5 10.7	31.0 46.0	1.3	3.1	4.5	24	8	8.5	40	4.5 x 8 x 4.5	65 93	1472
MR 15 WN SU/ZU MR 15 WL SU/ZU	16	60	55.7 74.8	45	20 35	M4 x 4.5	12.6	38.5 57.6	1.8	3.3	4.5	42	9	9.5	40	4.5 x 8 x 4.5	137 200	2818





For **MR15W**

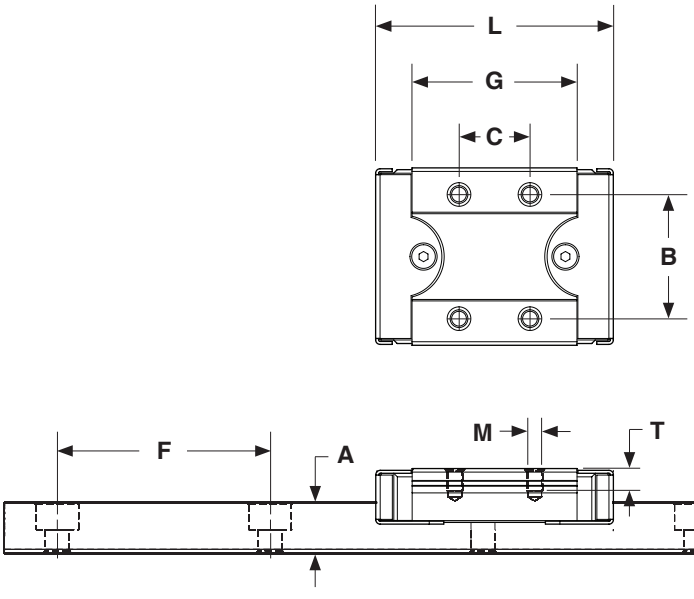


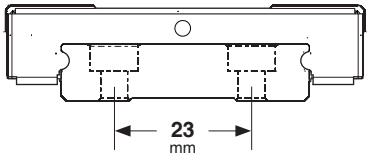
For **MR2W** thru **MR12W**

[More Information via the Web]

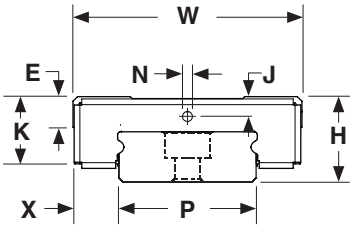
Dimensions & Specifications - EE / EZ End Seals & Reinforcement Plates

Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MR 2 WL EE/EZ	4	10	17.9	-	6.5	M2 x 1.3	3.5	11.9	-	-	1.3	4	3	3	10	1.8 x 2.8 x 1	3.0	69
MR 7 WN EE/EZ MR 7 WL EE/EZ	9	25	32.8 41.7	19	10 19	M3 x 3.0	7.6 7.8	21.2 30.1	1.1	1.9	3.2	14	5.5	5.2	30	3.5 x 6 x 3.5	19 27	516
MR 9 WN EE/EZ MR 9 WL EE/EZ	12	30	40.4 51.9	21 23	12 24	M3 x 3.0	9.5 9.4	27.9 39.5	1.3	2.6	4.0	18	6	7.3	30	3.5 x 6 x 4.5	37 51	940
MR 12 WN EE/EZ MR 12 WL EE/EZ	14	40	46.2 61.3	28	15 28	M3 x 3.5	11.2	31.0 46.0	1.3	3.1	4.5	24	8	8.5	40	4.5 x 8 x 4.5	68 96	1472
MR 15 WN EE/EZ MR 15 WL EE/EZ	16	60	57.4 76.6	45	20 35	M4 x 4.5	12.9 13.0	38.5 57.6	1.8	3.3	4.5	42	9	9.5	40	4.5 x 8 x 4.5	140 203	2818





For **MR15W**

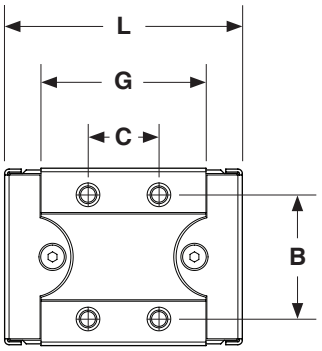


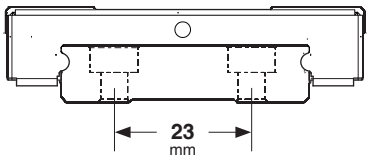
For **MR2W** thru **MR12W**

More Information via the Web

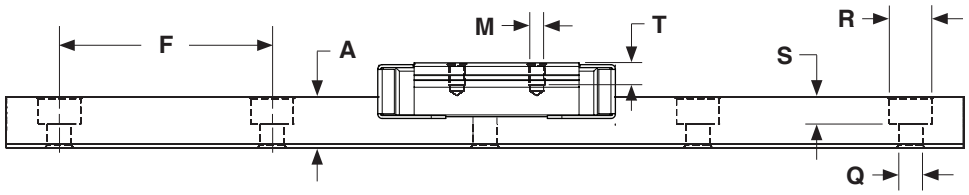
Dimensions & Specifications - EU / UZ End Seals & Reinforcement Plates & Stainless Steel Bottom Seals

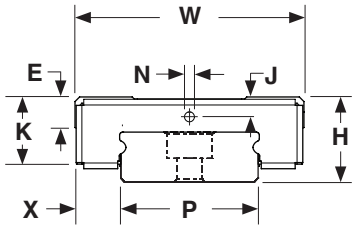
Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MR 9 WN EU/UZ	12	30	40.4	21	12	M3 x 3.0	9.6	27.9	1.3	2.6	4.0	18	6	7.3	30	3.5 x 6 x 4.5	37	940
MR 9 WL EU/UZ			51.9	23	24		9.4	39.5									51	
MR 12 WN EU/UZ	14	40	46.1	28	15	M3 x 3.5	11.3	31.0	1.3	3.1	4.5	24	8	8.5	40	4.5 x 8 x 4.5	68	1472
MR 12 WL EU/UZ			61.2		28		11.2	46.0									96	
MR 15 WN EU/UZ	16	60	57.6	45	20	M4 x 4.5	13.2	38.5	1.8	3.3	4.5	42	9	9.5	40	4.5 x 8 x 4.5	140	2818
MR 15 WL EU/UZ			76.7		35		13.0	57.6									203	





For **MR15W**



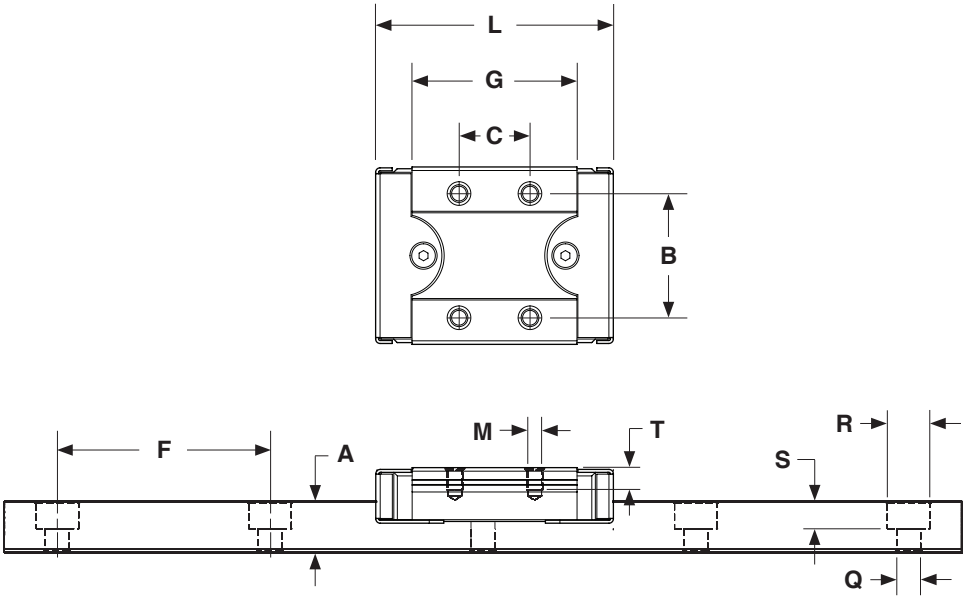


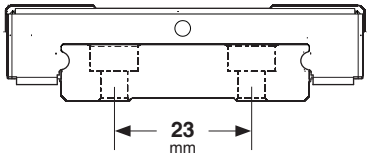
For **MR2W** thru **MR12W**

[More Information via the Web]

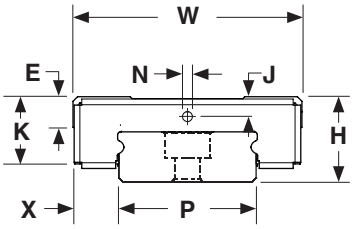
Dimensions & Specifications - SUE / ZUE End & Bottom Seals & Reinforcement Plates

Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (g)	Rail (g/m)
MR 2 WL SUE/ZUE	4	10	17.5	-	6.5	M2 x 1.3	3.4	11.9	-	-	1.3	4	3	3	10	1.8 x 2.8 x 1	3.0	69
MR 7 WN SUE/ZUE MR 7 WL SUE/ZUE	9	25	32.8 41.6	19	10 19	M3 x 3.0	7.9	21.2 30.1	1.1	1.9	3.2	14	5.5	5.2	30	3.5 x 6 x 3.5	19 27	516
MR 9 WN SUE/ZUE MR 9 WL SUE/ZUE	12	30	40.4 51.9	21 23	12 24	M3 x 3.0	9.5 9.6	27.9 39.5	1.3	2.6	4.0	18	6	7.3	30	3.5 x 6 x 4.5	37 51	940
MR 12 WN SUE/ZUE MR 12 WL SUE/ZUE	14	40	46.1 61.1	28	15 28	M3 x 3.5	11.5 11.4	31.0 46.0	1.3	3.1	4.5	24	8	8.5	40	4.5 x 8 x 4.5	68 96	1472
MR 15 WN SUE/ZUE MR 15 WL SUE/ZUE	16	60	57.5 76.5	45	20 35	M4 x 4.5	13.2	38.5 57.6	1.8	3.3	4.5	42	9	9.5	40	4.5 x 8 x 4.5	140 203	2818



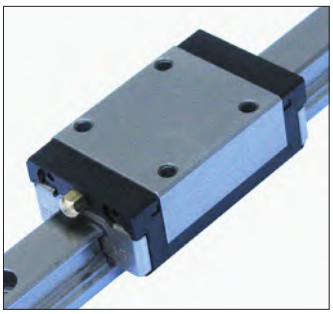


For **MR15W**



For **MR2W** thru **MR12W**

More Information via the Web

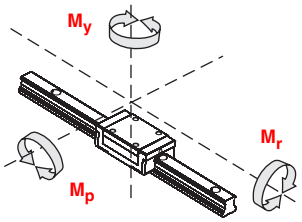


More Information via the Web

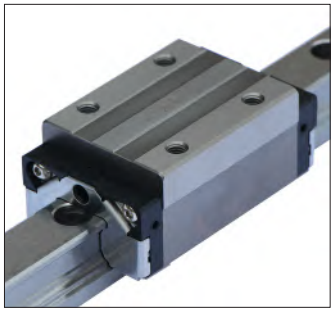
* Standard Load Rail
* 4 rows of re-circulating balls
* Equal loading in all directions
* Dust proof design
* Alloy steel bearing, rail, and balls
* Self lube reservoir *optional*

Load Capacities - ARC series

Model Number	Dynamic Load Capacity C_{50} (kN @ 50 km)		Static Load Capacity C_0 (kN)		Static Moment Loads					
					M_r (Nm)		M_p (Nm)		M_y (Nm)	
	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain
ARC 15 MS ARC 15 FS	9.7	10.7	12.1	10.8	100	85	50	45	50	45
ARC 15 MN ARC 15 FN	12.5	14.9	17.5	16.2	140	130	105	95	105	95
ARC 15 ML	16.9	19.6	26.9	24.3	215	195	235	215	235	215
ARC 20 MS ARC 20 FS	15.7	16.9	19.3	17.1	205	185	100	85	100	85
ARC 20 MN ARC 20 FN	21.5	25.6	30.0	25.7	325	275	230	200	230	200
ARC 20 ML	25.7	34.1	38.5	34.3	415	370	390	350	390	350
ARC 25 MS ARC 25 FS	22.9	24.1	27.3	24.3	350	310	160	145	160	145
ARC 25 MN ARC 25 FN	31.2	36.2	42.5	36.4	540	465	385	340	385	340
ARC 30 MS ARC 30 FS	29.3	28.7	33.1	28.9	520	455	230	205	230	205
ARC 30 MN ARC 30 FN	41.3	49.4	53.7	49.6	845	780	565	530	565	530
ARC 30 ML	49.9	65.8	70.2	66.1	1105	1040	950	900	950	900
ARC 35 MN ARC 35 FN	57.8	69.9	82.9	70.2	1700	1575	1080	1010	1080	1010
ARC 35 ML	68.9	94.4	106.5	94.7	2185	1940	1755	1575	1755	1575
ARC 45 MN	89.8	102.5	122.1	102.8	3200	2955	1910	1775	1910	1775
ARC 45 ML	112.8	159.4	169.1	159.7	4430	4185	3460	3280	3460	3280
ARC 55 MN	161.3	N.A.	186.0	N.A.	4949	N.A.	3278	N.A.	3278	N.A.
ARC 55 ML	185.2	N.A.	226.0	N.A.	6472	N.A.	5284	N.A.	5284	N.A.



N.A. - Not Available

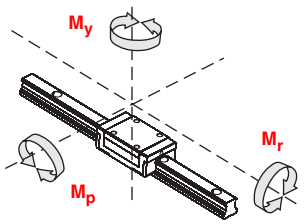


* Heavy Load Rail
* 4 rows of re-circulating balls
* Equal loading in all directions
* Dust proof design
* Alloy steel bearing, rail, and balls
* Self lube reservoir *optional*

More Information via the Web

Load Capacities - HRC series

Model Number	Dynamic Load Capacity C_{50} (kN @ 50 km)		Static Load Capacity C_0 (kN)		Static Moment Loads					
					M_r (Nm)		M_p (Nm)		M_y (Nm)	
	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain
HRC 15 MN HRC 15 FN	12.5	14.9	17.5	16.2	140	130	105	95	105	95
HRC 15 ML HRC 15 FL	16.9	19.6	26.9	24.3	215	195	235	215	235	215
HRC 20 MN HRC 20 FN	21.5	25.6	30.0	25.7	325	275	230	200	230	200
HRC 20 ML HRC 20 FL	25.7	34.1	38.5	34.3	415	370	390	350	390	350
HRC 25 MN HRC 25 FN	31.2	36.2	42.5	36.4	540	465	385	340	385	340
HRC 25 ML HRC 25 FL	38.7	50.4	57.7	51.6	735	655	710	640	710	640
HRC 30 MN HRC 30 FN	41.3	49.4	53.7	49.6	845	780	565	530	565	530
HRC 30 ML HRC 30 FL	49.9	65.8	70.2	66.1	1105	1040	950	900	950	900
HRC 35 MN HRC 35 FN	57.8	69.9	82.9	70.2	1700	1575	1080	1010	1080	1010
HRC 35 ML HRC 35 FL	68.9	94.4	106.5	94.7	2185	1940	1755	1575	1755	1575
HRC 45 MN HRC 45 FN	89.8	102.5	122.1	102.8	3200	2955	1910	1775	1910	1775
HRC 45 ML HRC 45 FL	112.8	159.4	169.1	159.7	4430	4185	3460	3280	3460	3280
HRC 55 MN HRC 55 FN	161.3	N.A.	186.0	N.A.	4949	N.A.	3278	N.A.	3278	N.A.
HRC 55 ML HRC 55 FL	185.2	N.A.	226.0	N.A.	6472	N.A.	5284	N.A.	5284	N.A.

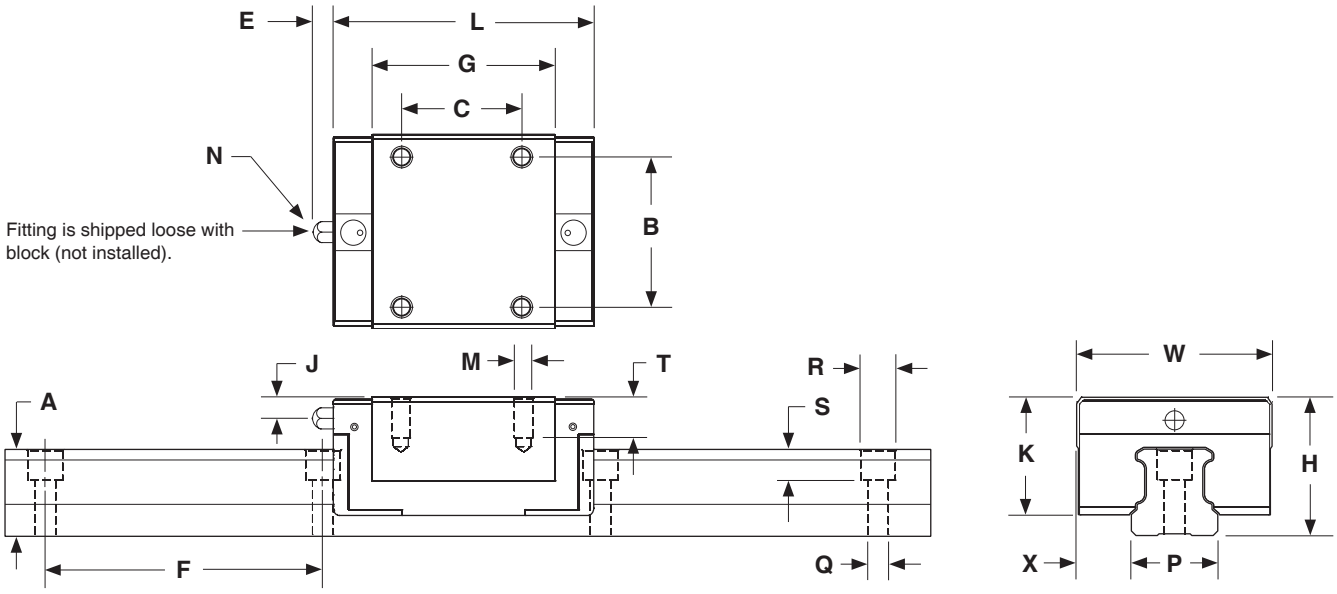


N.A. - Not Available

Dimensions & Specifications

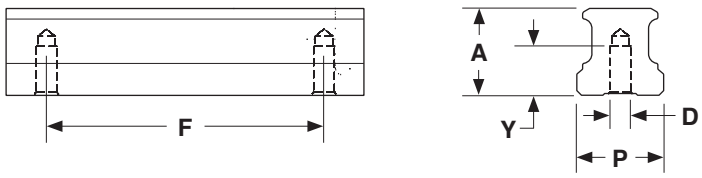
More Information via the Web

Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
ARC 15 MS	24	34	41.2	26	-	M4 x 7	20.7	26	M3 x 6.5	4.5	5.3	15	9.5	15	60	4.5 x 7.5 x 5.3	0.11	1.29
ARC 15 MN			55.5		26			40.3									0.16	
ARC 15 ML			76.2		34			61									0.24	
ARC 20 MS	28	42	49.2	32	-	M5 x 7	23	32.2	M3 x 7.5	4	10	20	11	20	60	6 x 9.5 x 8.5	0.17	2.28
ARC 20 MN			69		32			52									0.27	
ARC 20 ML			87.2		45			70.2									0.33	
ARC 25 MS	33	48	57.4	35	-	M6 x 9	27	38.4	M6 x 7.5	5	12	23	12.5	23	60	7 x 11 x 9	0.30	3.02
ARC 25 MN			81.2		35			62.2									0.42	
ARC 30 MS	42	60	68	40	-	M8 x 12	35.2	44	M6 x 8.5	7.5	12	28	16	27	80	9 x 14 x 12	0.56	4.38
ARC 30 MN			95.5		40			71.5									0.80	
ARC 30 ML			118		60			94									1.14	
ARC 35 MN	48	70	111.2	50	50	M8 x 13	40.4	86.2	M6 x 10	8	12	34	18	32	80	9 x 14 x 12	1.12	6.79
ARC 35 ML			136.6		72			111.6									1.54	
ARC 45 MN	60	86	135.5	60	60	M10 x 17	50.7	102.5	PT1/8 x 12.5	11.1	14	45	20.5	39	105	14 x 20 x 17	2.12	10.53
ARC 45 ML			171.5		80			138.5									3.16	
ARC 55 MN	70	100	168.5	75	75	M12 x 20	58	126.5	M6 x 10	13.5	12	53	23.5	45.7	120	16 x 24 x 20	4.20	14.0
ARC 55 ML			202		95			160									5.08	



Rail Size	(mm) D x Y	P	A	F
ARCU 15	M5 x 8	15	15	60
ARCU 20	M6 x 10	20	20	60
ARCU 25	M6 x 12	23	23	60
ARCU 30	M8 x 15	28	27	80
ARCU 35	M8 x 15	34	32	80
ARCU 45	M12 x 19	45	39	105
ARCU 55	M14 x 24	53	45.7	120

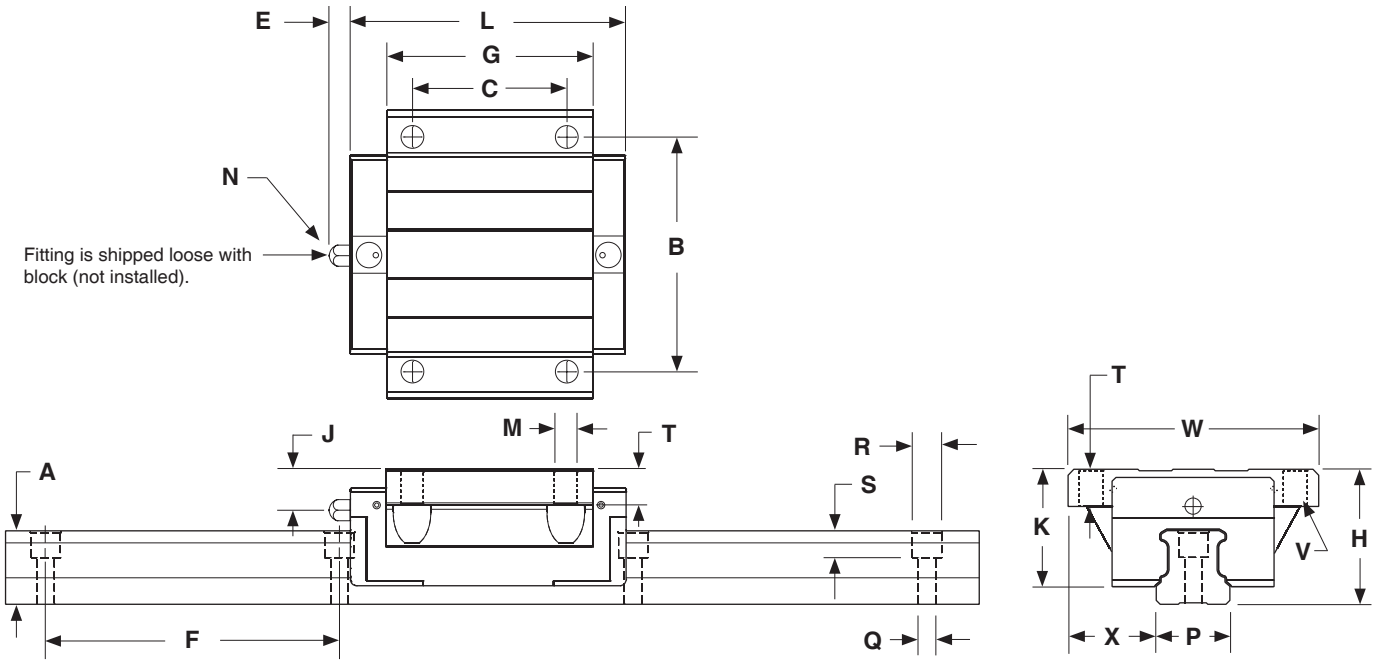
Rail Tapped from Bottom



Dimensions & Specifications

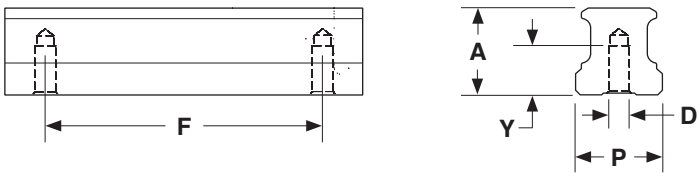
More Information via the Web

Model Number	Outline (mm)			Block Dimensions (mm)									Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	V	K	G	N	J	E	P	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
ARC 15 FS	24	52	41.2	41	-	M5 x 7	M4	20.7	26	M3 x 6.5	4.5	5.3	15	18.5	15	60	4.5 x 7.5 x 5.3	0.13	1.29
ARC 15 FN			55.5		26				40.3									0.20	
ARC 20 FS	28	59	49.2	49	-	M6 x 10	M5	23	32.2	M3 x 7.5	4	10	20	19.5	20	60	6 x 9.5 x 8.5	0.21	2.28
ARC 20 FN			69		32				52									0.34	
ARC 25 FS	33	73	57.4	60	-	M8 x 10	M6	27	38.4	M6 x 7.5	5	12	23	25	23	60	7 x 11 x 9	0.35	3.02
ARC 25 FN			81.2		35				62.2									0.53	
ARC 30 FS	42	90	68	72	-	M10 x 12	M8	35.2	44	M6 x 8.5	7.5	12	28	31	27	80	9 x 14 x 12	0.75	4.38
ARC 30 FN			95.5		40				71.5									1.20	
ARC 35 FN	48	100	111.2	82	50	M10 x 13	M8	40.4	86.2	M6 x 10	8	12	34	33	32	80	9 x 14 x 12	1.58	6.79



Rail Size	(mm)			
	D x Y	P	A	F
ARCU 15	M5 x 8	15	15	60
ARCU 20	M6 x 10	20	20	60
ARCU 25	M6 x 12	23	23	60
ARCU 30	M8 x 15	28	27	80
ARCU 35	M8 x 15	34	32	80
ARCU 45	M12 x 19	45	39	105
ARCU 55	M14 x 24	53	45.7	120

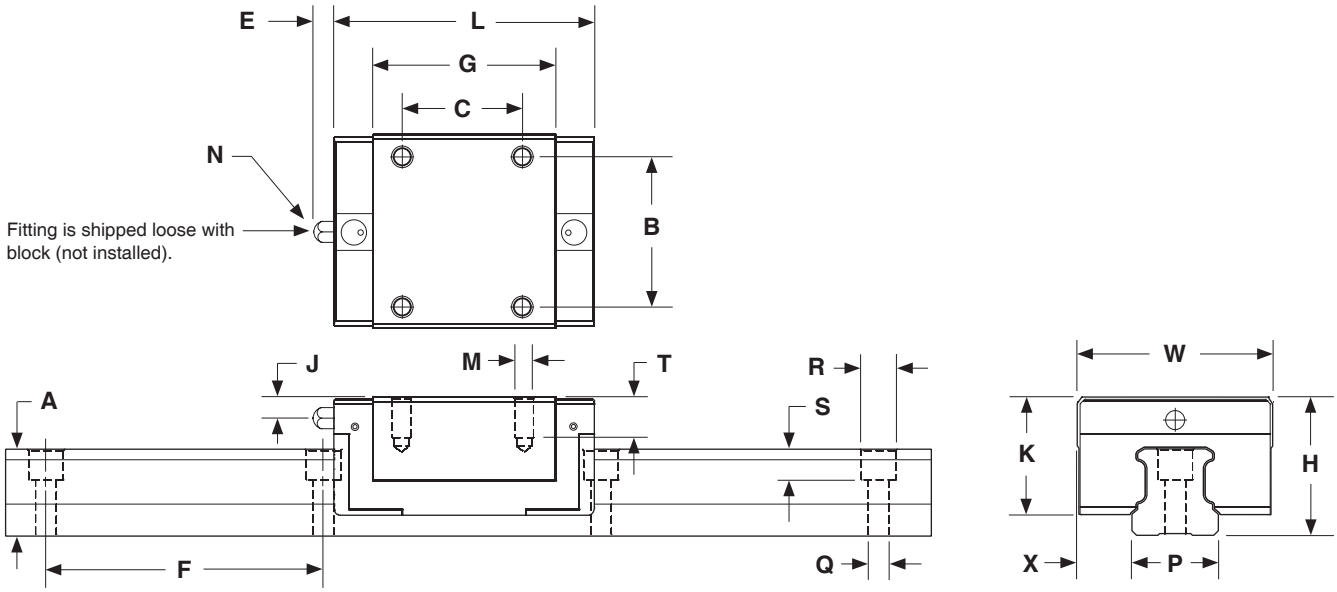
Rail Tapped from Bottom



Dimensions & Specifications

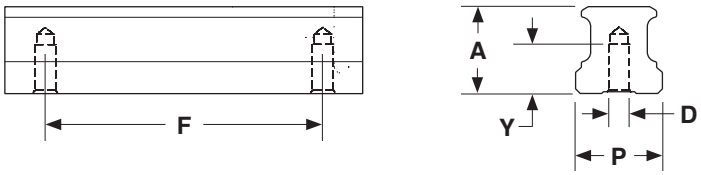
More Information via the Web

Model Number	Outline (mm)			Block Dimensions (mm)								Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	P	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
HRC 15 MN	28	34	55.5	26	26	M4 x 7	24.7	40.3	M3 x 6.5	8.5	5.3	15	9.5	15	60	4.5 x 7.5 x 5.3	0.20	1.29
HRC 15 ML			76.2		26			61									0.40	
HRC 20 MN	30	44	69	32	36	M5 x 8.5	25	52	M3 x 7.5	6	10	20	12	20	60	6 x 9.5 x 8.5	0.32	2.28
HRC 20 ML			87.2		50			70.2									0.40	
HRC 25 MN	40	48	81.2	35	35	M6 x 9	34	62.2	M6 x 7.5	12	12	23	12.5	23	60	7 x 11 x 9	0.58	3.02
HRC 25 ML			105		50			86									0.69	
HRC 30 MN	45	60	95.5	40	40	M8 x 12	38.2	71.5	M6 x 8.5	10.5	12	28	16	27	80	9 x 14 x 12	0.90	4.38
HRC 30 ML			118		60			94									1.15	
HRC 35 MN	55	70	111.2	50	50	M8 x 13	47.4	86.2	M6 x 10	15	12	34	18	32	80	9 x 14 x 12	1.43	6.79
HRC 35 ML			136.6		72			111.6									1.95	
HRC 45 MN	70	86	135.5	60	60	M10 x 20	60.7	102.5	PT1/8 x 12.5	21.1	14	45	20.5	39	105	14 x 20 x 17	2.79	10.53
HRC 45 ML			171.5		80			138.5									4.06	
HRC 55 MN	80	100	168.5	75	75	M12 x 25	68	126.5	M6 x 10	23.5	12	53	23.5	45.7	120	16 x 24 x 20	5.11	14.0
HRC 55 ML			202		95			160									6.24	



Rail Size	(mm)			
	D x Y	P	A	F
HRCU 15	M5 x 8	15	15	60
HRCU 20	M6 x 10	20	20	60
HRCU 25	M6 x 12	23	23	60
HRCU 30	M8 x 15	28	27	80
HRCU 35	M8 x 15	34	32	80
HRCU 45	M12 x 19	45	39	105
HRCU 55	M14 x 24	53	45.7	120

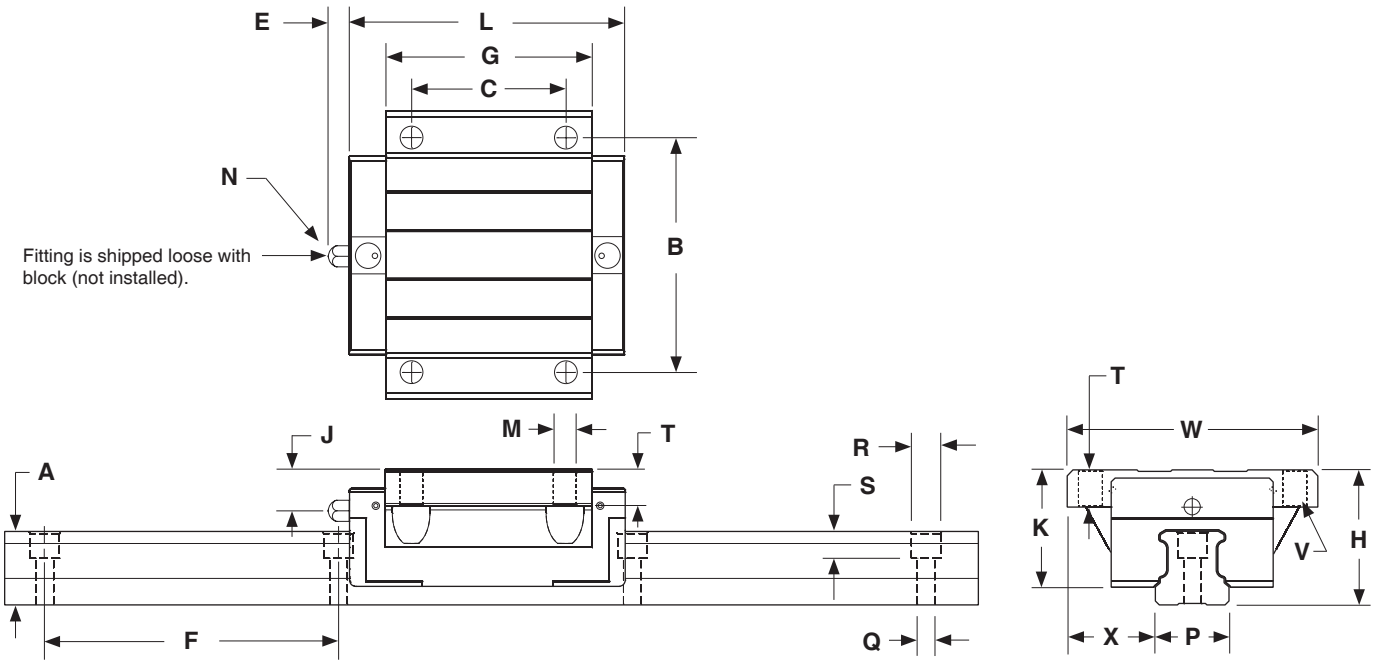
Rail Tapped from Bottom



Dimensions & Specifications

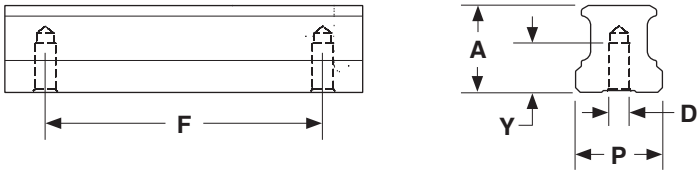
More Information via the Web

Model Number	Outline (mm)			Block Dimensions (mm)									Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	V	K	G	N	J	E	P	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
HRC 15 FN HRC 15 FL	24	47	55.5 76.2	38	30	M5 x 7	M4	20.7	40.3 61	M3 x 6.5	4.5	5.3	15	16	15	60	4.5 x 7.5 x 5.3	0.19 0.29	1.29
HRC 20 FN HRC 20 FL	30	63	69 87.2	53	40	M6 x 10	M5	25	52 70.2	M3 x 7.5	6	10	20	21.5	20	60	6 x 9.5 x 8.5	0.40 0.51	2.28
HRC 25 FN HRC 25 FL	36	70	81.2 105	57	45	M8 x 10	M6	30	62.2 86	M6 x 7.5	8	12	23	23.5	23	60	7 x 11 x 9	0.63 0.87	3.02
HRC 30 FN HRC 30 FL	42	90	95.5 118	72	52	M10 x 12	M8	35.2	71.5 94	M6 x 8.5	7.5	12	28	31	27	80	9 x 14 x 12	1.11 1.39	4.38
HRC 35 FN HRC 35 FL	48	100	111.2 136.6	82	62	M10 x 13	M8	40.4	86.2 111.6	M6 x 10	8	12	34	33	32	80	9 x 14 x 12	1.55 2.00	6.79
HRC 45 FN HRC 45 FL	60	120	135.5 171.5	100	80	M12 x 15	M10	50.7	102.5 138.5	PT1/8 x 12.5	11.1	14	45	37.5	39	105	14 x 20 x 17	2.75 4.28	10.53
HRC 55 FN HRC 55 FL	70	140	168.5 202	116	95	M14 x 18	M12	58	126.5 160	M6 x 10	13.5	12	53	43.5	45.7	120	16 x 24 x 20	5.44 6.96	14.0



Rail Size	(mm)			
	D x Y	P	A	F
HRCU 15	M5 x 8	15	15	60
HRCU 20	M6 x 10	20	20	60
HRCU 25	M6 x 12	23	23	60
HRCU 30	M8 x 15	28	27	80
HRCU 35	M8 x 15	34	32	80
HRCU 45	M12 x 19	45	39	105
HRCU 55	M14 x 24	53	45.7	120

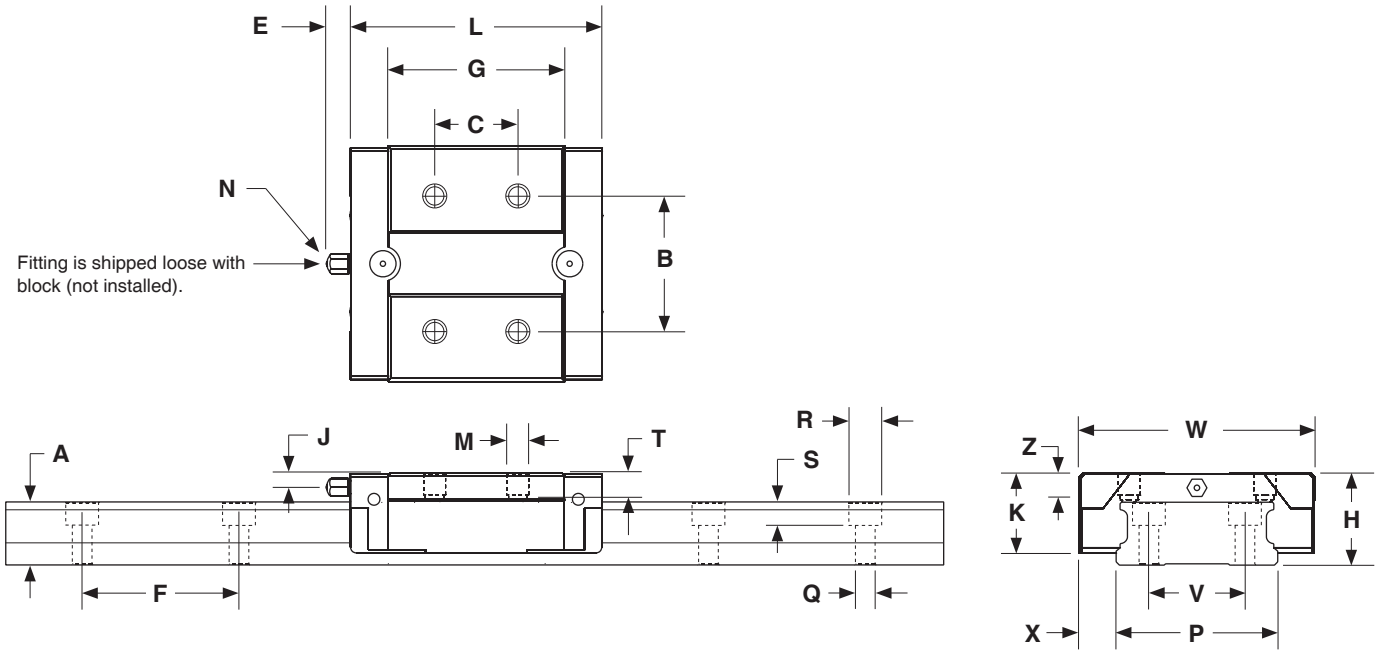
Rail Tapped from Bottom



Dimensions & Specifications

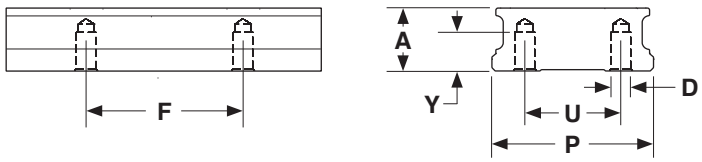
More Information via the Web

Model Number	Outline (mm)			Block Dimensions (mm)									Rail Dimensions (mm)						Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	Z	N	J	E	P	V	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
WRC 21/15 MN	21	54	57.5	31	19	M5 x 5	18.3	40.3	6	M3 x 6.5	3.3	5.3	37	22	8.5	14.4	50	4.5 x 7.5 x 5.3	0.16	3.60
WRC 27/20 MN	27	62	70	46	32	M6 x 6	23.5	52	10	M3 x 7.5	4.5	5.3	42	24	10	18.5	60	4.5 x 7.5 x 5.3	0.32	5.26



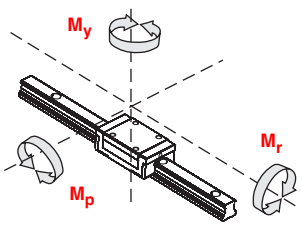
Rail Size	(mm)				
	D x Y	P	A	F	U
WRCU 21/15	M4 x 8	37	14.4	50	22
WRCU 27/20	M5 x 7.5	42	18.5	60	24

Rail Tapped from Bottom



Load Capacities - WRC series

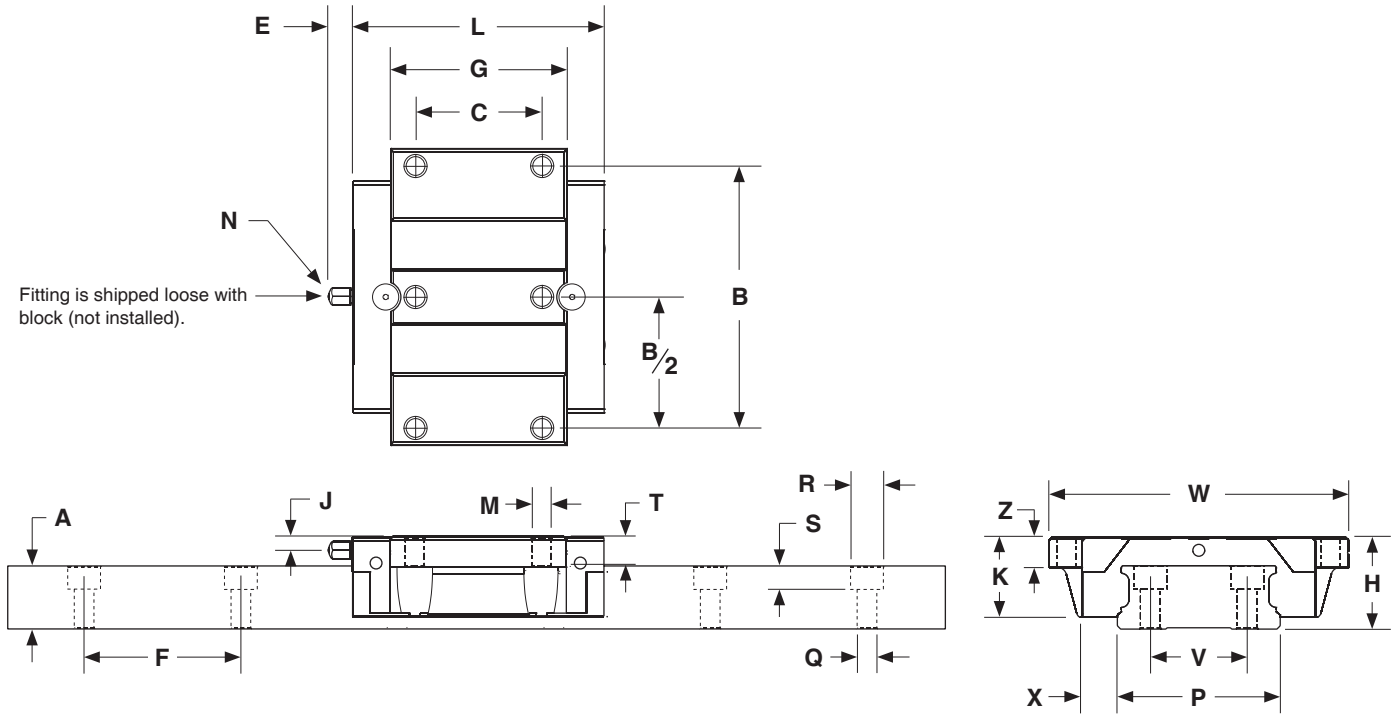
Model Number	Dynamic Load Capacity C_{50} (kN @ 50 km)		Static Load Capacity C_0 (kN)		Static Moment Loads					
					M_r (Nm)		M_p (Nm)		M_y (Nm)	
	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain
WRC 21/15 MN & FN	12.5	14.9	17.5	16.2	315	295	105	95	105	95
WRC 27/20 MN & FN	21.5	28.1	30.0	25.7	634	535	230	200	230	200



Dimensions & Specifications

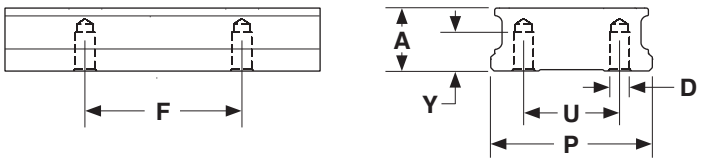
More Information via the Web

Model Number	Outline (mm)			Block Dimensions (mm)									Rail Dimensions (mm)						Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	Z	N	J	E	P	V	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
WRC 21/15 FN	21	68	57.5	60	29	M5 x 7	18.3	40.3	7	M3 x 6.5	3.3	3.5	37	22	15.5	14.4	50	4.5 x 7.5 x 5.3	0.20	3.60
WRC 27/20 FN	27	80	70	70	40	M6 x 9	23.5	52	9	M3 x 7.5	4.5	3.5	42	24	19	18.5	60	4.5 x 7.5 x 5.3	0.55	5.26



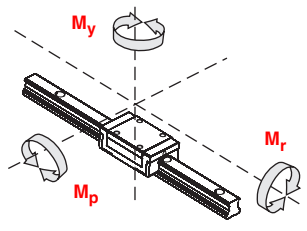
Rail Size	(mm)				
	D x Y	P	A	F	U
WRCU 21/15	M4 x 8	37	14.4	50	22
WRCU 27/20	M5 x 7.5	42	18.5	60	24

Rail Tapped from Bottom



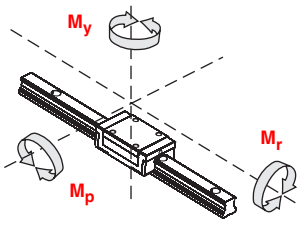
Load Capacities - WRC series

Model Number	Dynamic Load Capacity C_{50} (kN @ 50 km)		Static Load Capacity C_0 (kN)		Static Moment Loads					
					M_r (Nm)		M_p (Nm)		M_y (Nm)	
	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain
WRC 21/15 MN & FN	12.5	14.9	17.5	16.2	315	295	105	95	105	95
WRC 27/20 MN & FN	21.5	28.1	30.0	25.7	634	535	230	200	230	200



Load Capacities - ARR & HRR & LRR series

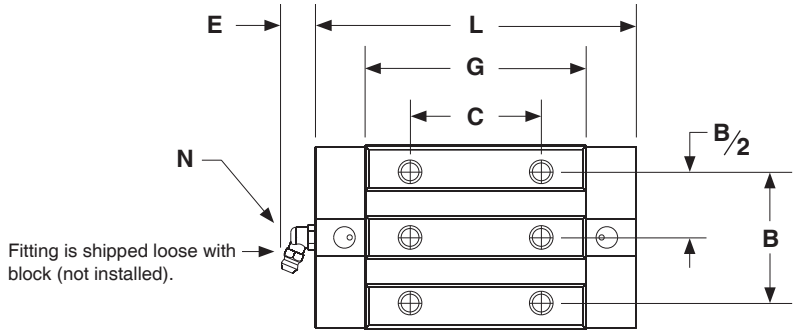
Model Number	Dynamic Load Capacity C_{50} (kN @ 50 km)		Static Load Capacity C_0 (kN)		Static Moment Loads					
					M_r (Nm)		M_p (Nm)		M_y (Nm)	
	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain	Standard	with Ball Chain
ARR 35 MN HRR 35 MN LRR 35 MN HRR 35 FN LRR 35 FN	71.8	89.8	154	133	2742	2350	1946	1710	1946	1710
ARR 35 ML HRR 35 ML LRR 35 ML HRR 35 FL LRR 35 FL	86.6	108.4	196	175	3525	3133	3226	2881	3226	2881
HRR 35 MXL LRR 35 MXL HRR 35 FXL LRR 35 FXL	103.3	129.1	245	224	4439	4047	5111	4695	5111	4695
ARR 45 MN HRR 45 MN LRR 45 MN HRR 45 FN LRR 45 FN	120.8	151.2	255	222	6350	5750	4450	4050	4450	4050
ARR 45 ML HRR 45 ML LRR 45 ML HRR 45 FL LRR 45 FL	148.6	185.8	333	288	8450	7550	7700	6900	7700	6900
HRR 45 MXL LRR 45 MXL HRR 45 FXL LRR 45 FXL	173.9	217.3	410	366	10500	9650	11800	10850	11800	10850

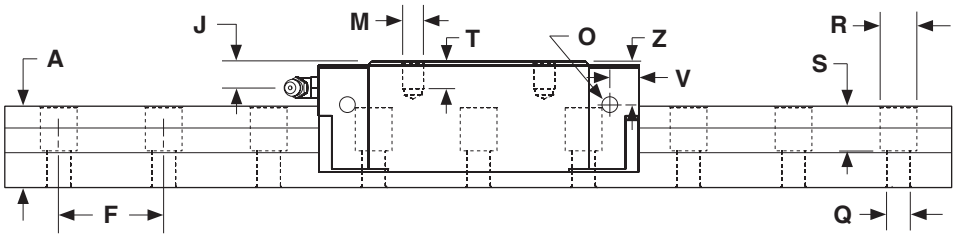


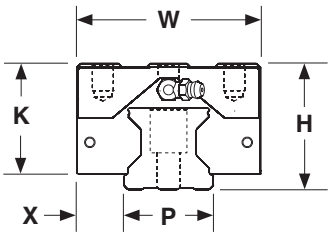
More Information via the Web

Dimensions & Specifications

Model Number	Outline (mm)			Block Dimensions (mm)											Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	O	Z	V	P	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
ARR 35 MN	48	70	122	50	50	M8 x 13	42	84	M6 x 12	10	12	M6 x 8	16.4	11	34	18	31	40	9 x 14 x 17	1.20	5.74
ARR 35 ML			147.5		72			109.5												1.75	
ARR 45 MN	60	86	156	60	60	M10 x 17	52	110	M6 x 12	14.6	12	M6 x 8	21.8	11	45	20.5	38	52.5	14 x 20 x 17	2.60	10.0
ARR 45 ML			191		80			145												3.35	

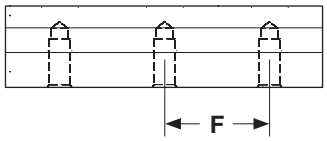


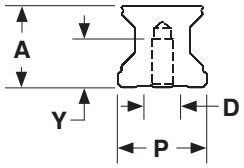




Rail Size	(mm)			
	D x Y	P	A	F
ARRU 35	M8 x 15	34	31	40
ARRU 45	M12 x 19	45	38	52.5

Rail Tapped from Bottom

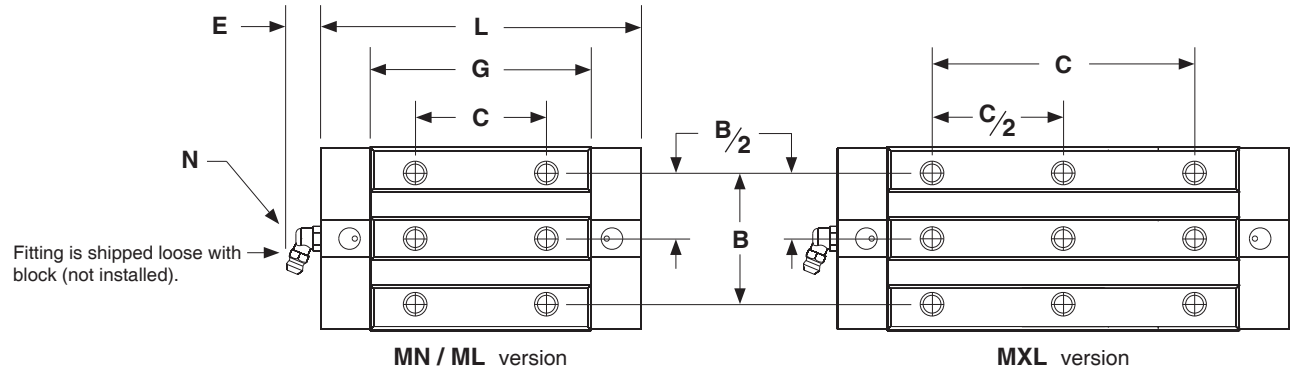


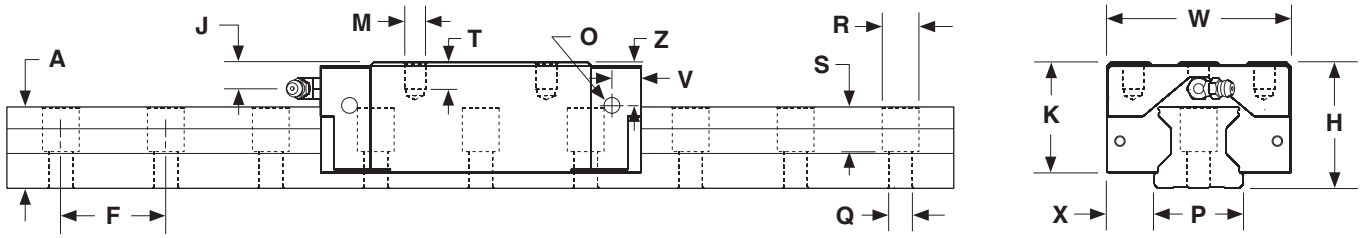


More Information via the Web

Dimensions & Specifications

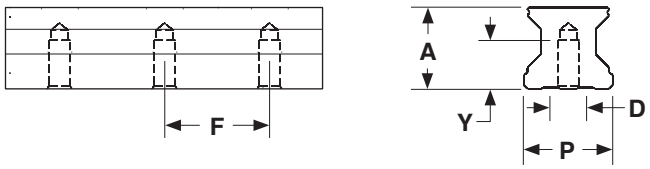
Model Number	Outline (mm)			Block Dimensions (mm)											Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	O	Z	V	P	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
HRR 35 MN			122		50			84												1.72	
HRR 35 ML	55	70	147.5	50	72	M8 x 16	49	109.5	M6 x 12	17	12	M6 x 8	23.4	11	34	18	31	40	9 x 14 x 17	2.1	5.74
HRR 35 MXL			177.5		100			139.5												2.7	
HRR 45 MN			156		60			110												3.4	
HRR 45 ML	70	86	191	60	80	M10 x 20	62	145	M6 x 12	24.6	12	M6 x 8	31.8	11	45	20.5	38	52.5	14 x 20 x 17	4.3	10.0
HRR 45 MXL			226		120			180												5.2	





Rail Size	(mm)			
	D x Y	P	A	F
HRRU 35	M8 x 15	34	31	40
HRRU 45	M12 x 19	45	38	52.5

Rail Tapped from Bottom



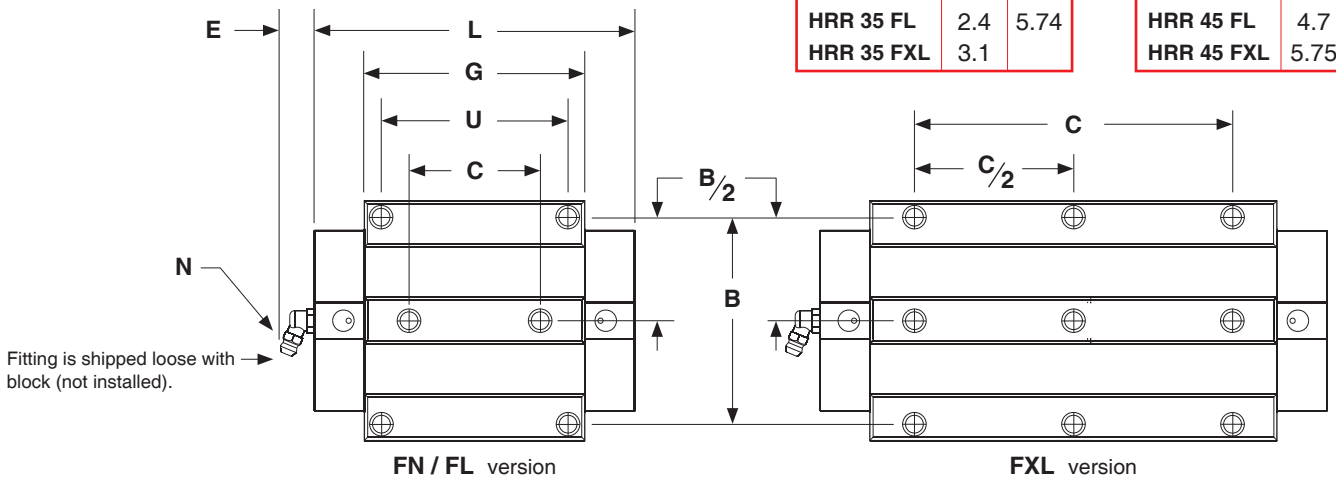
More Information via the Web

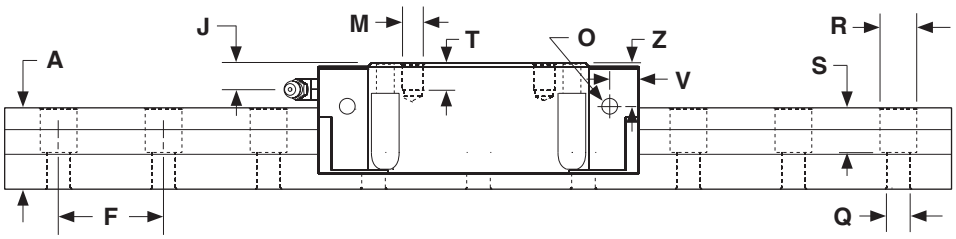
Dimensions & Specifications

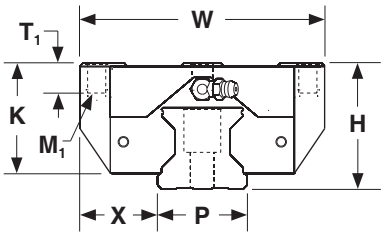
Model Number	Outline (mm)			Block Dimensions (mm)														Rail Dimensions (mm)				
	Height H	Width W	Length L	B	C	U	M x T	M_1 x T_1	K	G	N	J	E	O	Z	V	P	X	A	F	Q x R x S
HRR 35 FN	48	100	122	82	52	62	M8 x 13	M10 x 13	42	84	M6 x 12	10	12	M6 x 8	16.4	11	34	33	31	40	9 x 14 x 17
HRR 35 FL			147.5		52	62				109.5											
HRR 35 FXL			177.5		100					139.5											
HRR 45 FN	60	120	156	100	60	80	M10 x 15	M12 x 15	52	110	M6 x 12	14.6	12	M6 x 8	21.8	11	45	37.5	38	52.5	14 x 20 x 17
HRR 45 FL			191		60	80				145											
HRR 45 FXL			226		120					180											

Model Number	Weight	
	Block (kg)	Rail (kg/m)
HRR 35 FN	1.7	5.74
HRR 35 FL	2.4	
HRR 35 FXL	3.1	

Model Number	Weight	
	Block (kg)	Rail (kg/m)
HRR 45 FN	3.6	10.0
HRR 45 FL	4.7	
HRR 45 FXL	5.75	

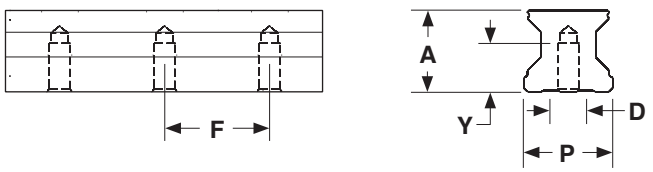






Rail Size	(mm)			
	D x Y	P	A	F
HRRU 35	M8 x 15	34	31	40
HRRU 45	M12 x 19	45	38	52.5

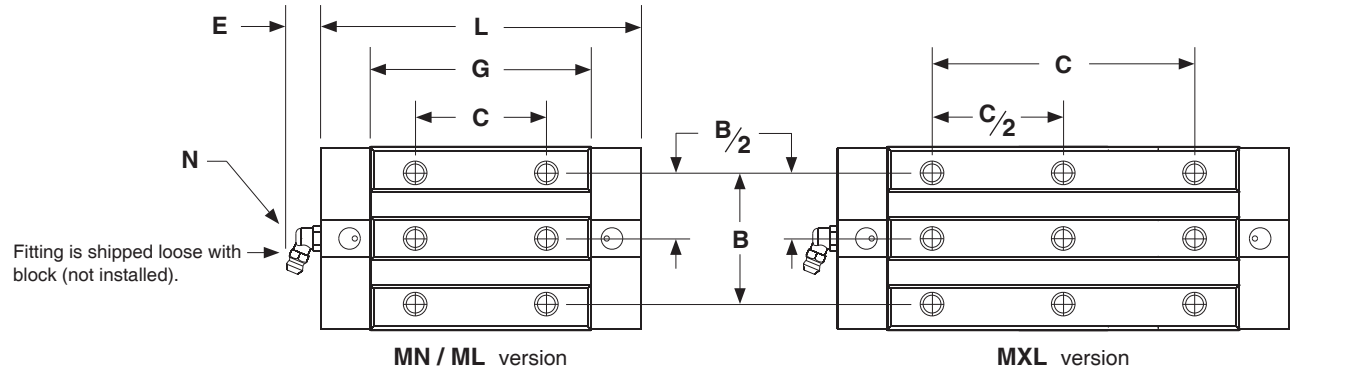
Rail Tapped from Bottom

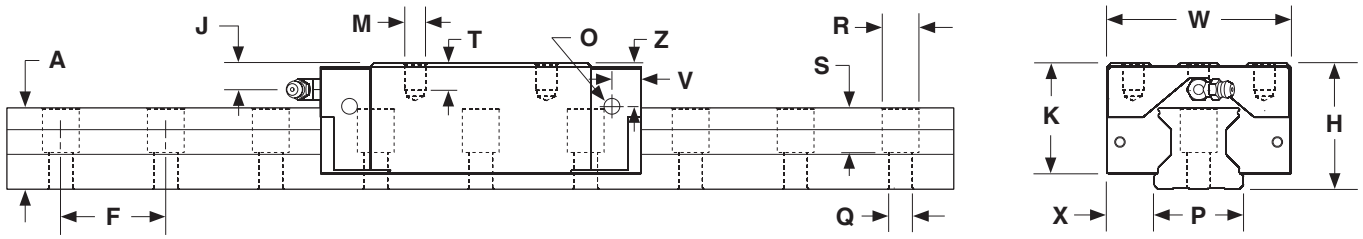


More Information via the Web

Dimensions & Specifications

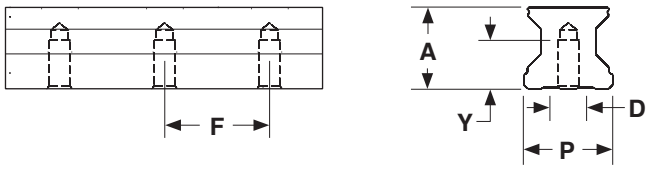
Model Number	Outline (mm)			Block Dimensions (mm)											Rail Dimensions (mm)					Weight	
	Height H	Width W	Length L	B	C	M x T	K	G	N	J	E	O	Z	V	P	X	A	F	Q x R x S	Block (kg)	Rail (kg/m)
LRR 35 MN			122		50			84												1.1	
LRR 35 ML	44	70	147.5	50	72	M8 x 9	38	109.5	M6 x 12	6	12	M6 x 8	12.4	11	34	18	31	40	9 x 14 x 17	1.5	5.74
LRR 35 MXL			177.5		100			139.5												1.9	
LRR 45 MN			156		60			110												2.1	
LRR 45 ML	52	86	191	60	80	M10 x 11	44	145	M6 x 12	6.6	12	M6 x 8	13.8	11	45	20.5	38	52.5	14 x 20 x 17	2.7	10.0
LRR 45 MXL			226		120			180												3.2	





Rail Size	(mm)			
	D x Y	P	A	F
LRRU 35	M8 x 15	34	31	40
LRRU 45	M12 x 19	45	38	52.5

Rail Tapped from Bottom



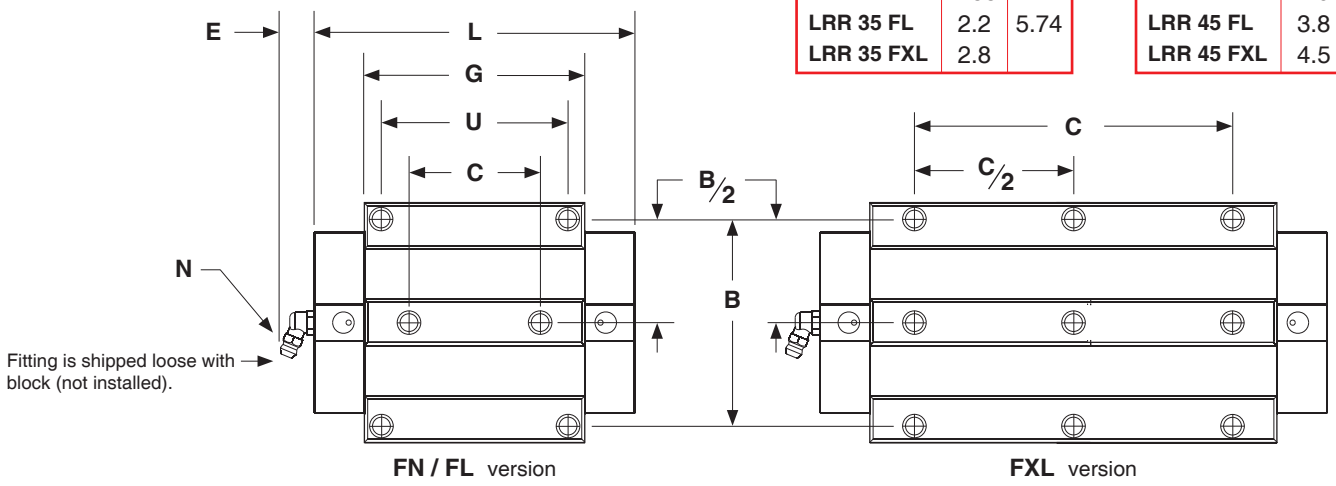
More Information via the Web

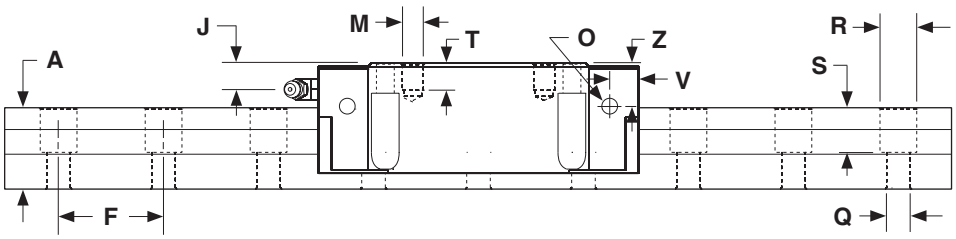
Dimensions & Specifications

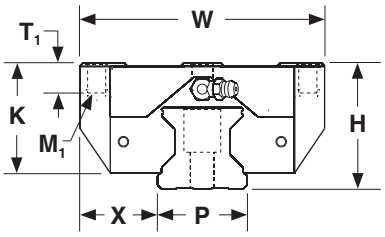
Model Number	Outline (mm)			Block Dimensions (mm)														Rail Dimensions (mm)				
	Height H	Width W	Length L	B	C	U	M x T	M_1 x T_1	K	G	N	J	E	O	Z	V	P	X	A	F	Q x R x S
LRR 35 FN	44	100	122	82	52	62	M8 x 9	M10 x 13	38	84	M6 x 12	6	12	M6 x 8	12.4	11	34	33	31	40	9 x 14 x 17
LRR 35 FL			147.5		52	62				109.5											
LRR 35 FXL			177.5		100					139.5											
LRR 45 FN	52	120	156	100	60	80	M10 x 10	M12 x 15	44	110	M6 x 12	6.6	12	M6 x 8	13.8	11	45	37.5	38	52.5	14 x 20 x 17
LRR 45 FL			191		60	80				145											
LRR 45 FXL			226		120					180											

Model Number	Weight	
	Block (kg)	Rail (kg/m)
LRR 35 FN	1.55	5.74
LRR 35 FL	2.2	
LRR 35 FXL	2.8	

Model Number	Weight	
	Block (kg)	Rail (kg/m)
LRR 45 FN	2.9	10.0
LRR 45 FL	3.8	
LRR 45 FXL	4.5	

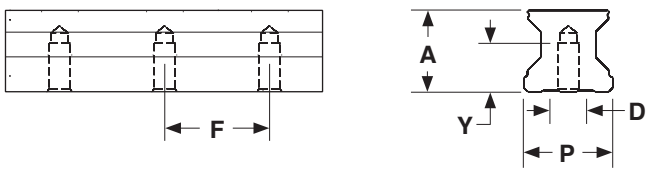






Rail Size	(mm)			
	D x Y	P	A	F
LRRU 35	M8 x 15	34	31	40
LRRU 45	M12 x 19	45	38	52.5

Rail Tapped from Bottom



More Information via the Web

Features

RS Series

* Rolled Ball Screw
* Tapped Ball Nut
* English Leads
* English Diameters
* Pre-loaded & Non-preloaded Nuts
* Simple, Fixed and Rigid Housings
* Available Screw Sizes

  0.500 inch dia., 0.200 inch lead
  0.500 inch dia., 0.500 inch lead
  0.625 inch dia., 0.200 inch lead
  0.625 inch dia., 1.000 inch lead
  0.750 inch dia., 0.200 inch lead
  0.750 inch dia., 0.500 inch lead
  1.000 inch dia., 0.250 inch lead
  1.000 inch dia., 0.500 inch lead
  1.000 inch dia., 1.000 inch lead
  1.500 inch dia., 0.250 inch lead
  1.500 inch dia., 0.500 inch lead
  1.500 inch dia., 1.000 inch lead
  1.500 inch dia., 2.000 inch lead

PS Series

* Precision Rolled Ball Screw
* Ground Ball Nut
* English & Metric Leads
* English & Metric Diameters
* Pre-loaded & Non-preloaded Nuts
* Simple, Fixed and Rigid Housings
* Available Screw Sizes

  0.625 inch dia., 0.200 inch lead
  0.750 inch dia., 0.200 inch lead
  16 mm diameter, 5 mm lead
  16 mm diameter, 10 mm lead
  16 mm diameter, 16 mm lead
  20 mm diameter, 5 mm lead
  20 mm diameter, 20 mm lead

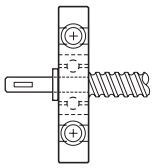
GS Series

* Precision Ground Ball Screw
* Ground Ball Nut
* English & Metric Leads
* English & Metric Diameters
* Pre-loaded Nuts Only
* Simple, Fixed and Rigid Housings
* Available Screw Sizes

  0.625 inch dia., 0.200 inch lead
  0.750 inch dia., 0.200 inch lead
  16 mm diameter, 5 mm lead
  16 mm diameter, 16 mm lead
  20 mm diameter, 5 mm lead
  20 mm diameter, 20 mm lead

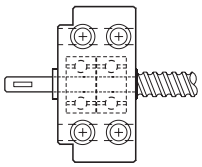
Features

Simple Support Housing



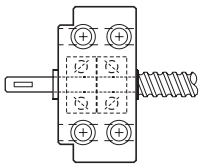
* Black Anodized Aluminum Finish
* Black Oxide Steel Finish
* 1 Sealed Radial Bearing
* No Lubrication Required
* Base or Face Mounted

Fixed (LT) Support Housing



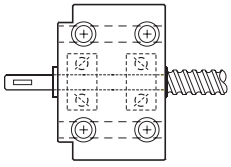
* Black Anodized Aluminum Finish
* Black Oxide Steel Finish
* 2 Back to Back Sealed Radial Bearings
* No Lubrication Required
* Lip Seals
* Base or Face Mounted
* Motor Mount Options

Fixed (HT) Support Housing



* Black Anodized Aluminum Finish
* Black Oxide Steel Finish
* 2 Back to Back Angular Contact Bearings
* No Lubrication Required
* Lip Seals
* Base or Face Mounted
* Motor Mount Options

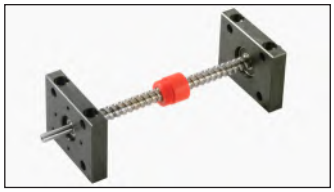
Rigid Support Housing



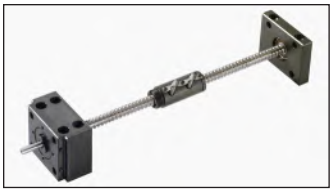
* Black Anodized Aluminum Finish
* Black Oxide Steel Finish
* 2 Separated Angular Contact Bearings
* No Lubrication Required
* Lip Seals
* Base or Face Mounted
* Motor Mount Options

More Information via the Web

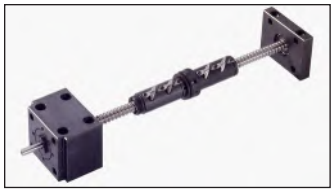
Simple-Simple



Fixed-Simple



Rigid-Simple



Rigid-Rigid

Screw & Nut Specifications

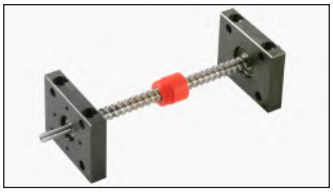
Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
RS050020 0.500 inch dia. 0.200 inch lead	*Non-preloaded Ball*	< 0.003 (0,075)	90	< 0.008 (0,203)	9,400 (4263)	1,200 (544)	290 (131)
	Preloaded Ball	< 0.003 (0,075)	90	0	9,280 (4209)	1,080 (489)	261 (118)
	Non-preloaded Turcite	< 0.003 (0,075)	60	< 0.008 (0,203)	800 (362)	100 (45)	24 (11)
	Preloaded Turcite	< 0.003 (0,075)	60	0	720 (326)	90 (41)	21 (10)
RS050050 0.500 inch dia. 0.500 inch lead	*Non-preloaded Ball*	< 0.003 (0,075)	90	< 0.008 (0,203)	13,350 (6055)	2,200 (997)	530 (240)
	Preloaded Ball	< 0.003 (0,075)	90	0	13,130 (5955)	1,980 (898)	477 (216)
	Non-preloaded Turcite	< 0.003 (0,075)	60	< 0.008 (0,203)	800 (362)	100 (45)	24 (11)
	Preloaded Turcite	< 0.003 (0,075)	60	0	720 (326)	90 (41)	21 (10)

Other Specifications

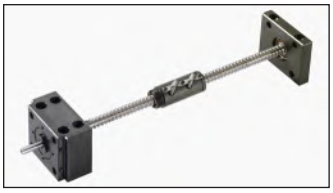
Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2) Turcite nut: 193 inches/sec^2 (4.9 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm Turcite nut: 1500 rpm
Screw Material **Screw Extensions**	Right Hand Thread, Case Hardened Rc 58 Steel Rolled Ball Screw 303 Woodruff Keyways on Both Extensions from Support Housings
Screw Maximum Length **Screw Weight**	72 inches (1828 mm) 0.66 lbs/ft (9,82 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .02 inch (0,50) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

More Information via the Web

Simple-Simple



Fixed-Simple



Rigid-Simple

Rigid-Rigid

Screw & Nut Specifications

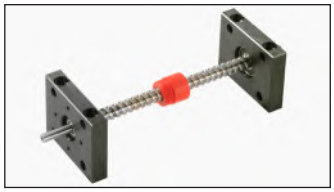
Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
RS062020 0.625 inch dia. 0.200 inch lead	***Non-preloaded Ball***	< 0.003 (0,075)	90	< 0.008 (0,203)	7,450 (3379)	800 (363)	190 (86)
	Preloaded Ball	< 0.003 (0,075)	90	0	6,070 (2753)	720 (326)	171 (78)
	Non-preloaded Turcite	< 0.003 (0,075)	60	< 0.008 (0,203)	800 (362)	100 (45)	24 (11)
	Preloaded Turcite	< 0.003 (0,075)	60	0	720 (326)	90 (41)	21 (10)
RS062100 0.625 inch dia. 1.000 inch lead	***Non-preloaded Ball***	< 0.004 (0,099)	90	< 0.008 (0,203)	2,425 (1100)	590 (268)	140 (64)
	Preloaded Ball	< 0.004 (0,099)	90	0	2,425 (1100)	531 (241)	126 (57)
	Non-preloaded Turcite	< 0.004 (0,099)	60	< 0.008 (0,203)	800 (362)	100 (45)	24 (11)
	Preloaded Turcite	< 0.004 (0,099)	60	0	720 (326)	90 (41)	21 (10)

Other Specifications

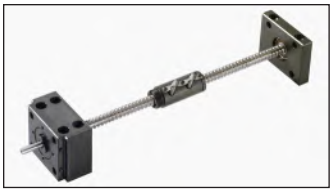
Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2) Turcite nut: 193 inches/sec^2 (4.9 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm Turcite nut: 1500 rpm
Screw Material **Screw Extensions**	Right Hand Thread, Case Hardened Rc 58 Steel Rolled Ball Screw 303 Woodruff Keyways on Both Extensions from Support Housings
Screw Maximum Length **Screw Weight**	72 inches (1828 mm) 0.92 lbs/ft (13,7 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .02 inch (0,50) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

More Information via the Web

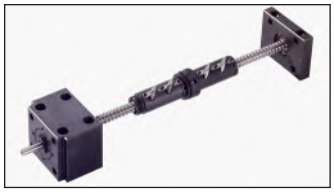
Simple-Simple



Fixed-Simple



Rigid-Simple



Rigid-Rigid

Screw & Nut Specifications

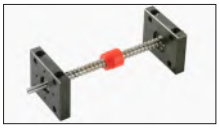
Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
RS075020 0.750 inch dia. 0.200 inch lead	*Non-preloaded Ball*	< 0.003 (0,075)	90	< 0.008 (0,203)	18,800 (8527)	1,900 (862)	460 (208)
	Preloaded Ball	< 0.003 (0,075)	90	0	18,610 (8441)	1,710 (776)	414 (188)
	Non-preloaded Turcite	< 0.003 (0,075)	60	< 0.008 (0,203)	1,500 (680)	195 (88)	45 (20)
	Preloaded Turcite	< 0.003 (0,075)	60	0	1350 (612)	175 (79)	40 (18)
RS075050 0.750 inch dia. 0.500 inch lead	*Non-preloaded Ball*	< 0.003 (0,075)	90	< 0.008 (0,203)	24,200 (10977)	3,450 (1565)	820 (372)
	Preloaded Ball	< 0.003 (0,075)	90	0	23,855 (10820)	3,105 (1408)	738 (335)
	Non-preloaded Turcite	< 0.003 (0,075)	60	< 0.008 (0,203)	1,500 (680)	195 (88)	45 (20)
	Preloaded Turcite	< 0.003 (0,075)	60	0	1,350 (612)	175 (79)	40 (18)

Other Specifications

Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2) Turcite nut: 193 inches/sec^2 (4.9 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm Turcite nut: 1500 rpm
Screw Material **Screw Extensions**	Right Hand Thread, Case Hardened Rc 58 Steel Rolled Ball Screw 605 Woodruff Keyways on Both Extensions from Support Housings
Screw Maximum Length **Screw Weight**	144 inches (3657 mm) 2.33 lbs/ft (34,7 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .03 inch (0,76) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

More Information via the Web

Simple-Simple



Fixed-Simple

Rigid-Simple

Rigid-Rigid

Screw & Nut Specifications

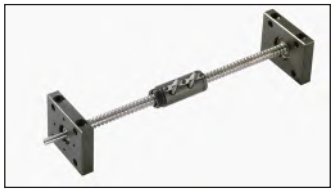
More Information via the Web

Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
RS100025 1.000 inch dia. 0.250 inch lead	*Non-preloaded Ball*	< 0.009 (0,229)	90	< 0.009 (0,229)	30,750 (13947)	3,350 (1519)	810 (367)
	Preloaded Ball	< 0.009 (0,229)	90	0	30,415 (13796)	3,015 (1367)	729 (330)
	Non-preloaded Turcite	< 0.009 (0,229)	60	< 0.009 (0,229)	1,500 (380)	195 (88)	45 (20)
	Preloaded Turcite	< 0.009 (0,229)	60	0	1,350 (612)	175 (79)	40 (18)
RS100050 1.000 inch dia. 0.500 inch lead	*Non-preloaded Ball*	< 0.009 (0,229)	90	< 0.009 (0,229)	32,300 (14650)	3,950 (1792)	970 (440)
	Preloaded Ball	< 0.009 (0,229)	90	0	31,905 (14471)	3,555 (1612)	873 (396)
	Non-preloaded Turcite	< 0.009 (0,229)	60	< 0.009 (0,229)	1,500 (680)	195 (88)	45 (20)
	Preloaded Turcite	< 0.009 (0,229)	60	0	1,350 (612)	175 (79)	40 (18)
RS100100 1.000 inch dia. 1.000 inch lead	*Non-preloaded Ball*	< 0.009 (0,229)	90	< 0.009 (0,229)	13,750 (6236)	2,250 (1020)	560 (254)
	Preloaded Ball	< 0.009 (0,229)	90	0	13,525 (6134)	2,025 (918)	504 (229)
	Non-preloaded Turcite	< 0.009 (0,229)	60	< 0.009 (0,229)	1,500 (680)	195 (88)	45 (20)
	Preloaded Turcite	< 0.009 (0,229)	60	0	1,350 (612)	175 (79)	40 (18)

Other Specifications

Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2) Turcite nut: 193 inches/sec^2 (4.9 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm Turcite nut: 1500 rpm
Screw Material	Right Hand Thread, Case Hardened Rc 58 Steel Rolled Ball Screw
Screw Extensions	605 Woodruff Keyways on Both Extensions from Support Housings
Screw Maximum Length	144 inches (3657 mm)
Screw Weight	2.33 lbs/ft (34,7 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .03 inch (0,76) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

Simple-Simple



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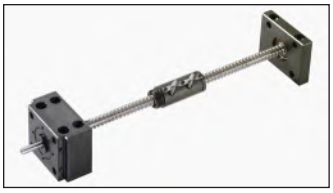


Rigid-Simple

Rigid-Rigid

Screw & Nut Specifications

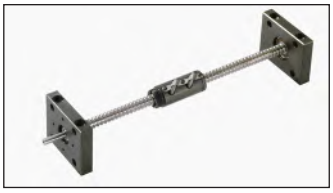
Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
RS150025 1.500 inch dia. 0.250 inch lead	*Non-preloaded Ball*	< 0.013 (0,330)	90	< 0.009 (0,229)	47,450 (21523)	4,050 (1837)	970 (440)
	Preloaded Ball	< 0.013 (0,330)	90	0	47,045 (21339)	3,645 (1653)	873 (396)
RS150050 1.500 inch dia. 0.500 inch lead	*Non-preloaded Ball*	< 0.013 (0,330)	90	< 0.009 (0,229)	102,300 (46402)	12,900 (5851)	3,100 (1406)
	Preloaded Ball	< 0.013 (0,330)	90	0	101,010 (45817)	11,610 (5266)	2,790 (1266)
RS150100 1.500 inch dia. 1.000 inch lead	*Non-preloaded Ball*	< 0.013 (0,330)	90	< 0.009 (0,229)	47,800 (21682)	8,250 (3742)	2,020 (916)
	Preloaded Ball	< 0.013 (0,330)	90	0	46,975 (21307)	7,425 (3368)	1,818 (825)
RS150200 1.500 inch dia. 2.000 inch lead	*Non-preloaded Ball*	< 0.013 (0,330)	90	< 0.009 (0,229)	31,250 (14175)	7,600 (3447)	1,850 (839)
	Preloaded Ball	< 0.013 (0,330)	90	0	28,240 (12809)	6,840 (3103)	1,665 (755)

Other Specifications

Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm
Screw Material	Right Hand Thread, Case Hardened Rc 58 Steel Rolled Ball Screw
Screw Extensions	605 Woodruff Keyways on Both Extensions from Support Housings
Screw Maximum Length	144 inches (3657 mm)
Screw Weight	5.58 lbs/ft (83,1 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .03 inch (0,76) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

More Information via the Web

Simple-Simple



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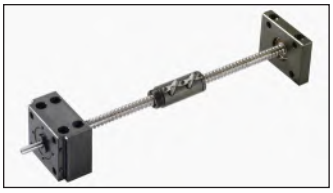


Rigid-Simple

Rigid-Rigid

Screw & Nut Specifications

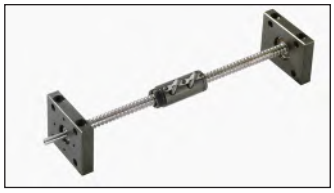
Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
PS062020 0.625 inch dia. 0.200 inch lead	*Non-preloaded Ball*	< 0.002 (0,050)	90	< 0.003 (0,076)	2,700 (1224)	876 (397)	190 (86)
	Preloaded Ball	< 0.002 (0,050)	90	0	2,430 (1102)	788 (357)	171 (78)
PS16M05M 16 mm dia. 5 mm lead	*Non-preloaded Ball*	< 0.002 (0,050)	90	< 0.003 (0,076)	2,700 (1224)	876 (397)	190 (86)
	Preloaded Ball	< 0.002 (0,050)	90	0	2,430 (1102)	788 (357)	171 (78)
PS16M10M 16 mm dia. 10 mm lead	*Non-preloaded Ball*	< 0.002 (0,050)	90	< 0.003 (0,076)	2,630 (1192)	1,080 (489)	235 (106)
	Preloaded Ball	< 0.002 (0,050)	90	0	2.365 (1072)	972 (440)	211 (95)
PS16M16M 16 mm dia. 16 mm lead	*Non-preloaded Ball*	< 0.002 (0,050)	90	< 0.003 (0,076)	1,620 (734)	819 (371)	179 (81)
	Preloaded Ball	< 0.002 (0,050)	90	0	1,455 (659)	737 (334)	161 (73)

Other Specifications

Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm
Screw Material	Right Hand Thread, Case Hardened Rc 58 Steel Precision Rolled Ball Screw
Screw Extensions	303 Woodruff Keyways on Both Extensions from Support Housings
Screw Maximum Length	78.74 inches (2000 mm)
Screw Weight	0.87 lbs/ft (13,0 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .02 inch (0,50) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

More Information via the Web

Simple-Simple



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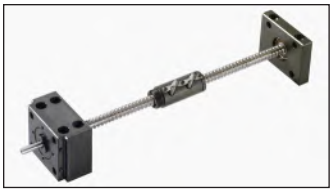


Rigid-Simple

Rigid-Rigid

Screw & Nut Specifications

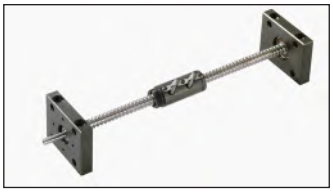
Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
PS075020 0.750 inch dia. 0.200 inch lead	*Non-preloaded Ball*	< 0.002 (0,050)	90	< 0.003 (0,076)	3,360 (1524)	964 (437)	210 (95)
	Preloaded Ball	< 0.002 (0,050)	90	0	3,025 (1372)	867 (393)	189 (86)
PS20M05M 20 mm dia. 5 mm lead	*Non-preloaded Ball*	< 0.002 (0,050)	90	< 0.003 (0,076)	3,990 (1809)	1,070 (485)	234 (106)
	Preloaded Ball	< 0.002 (0,050)	90	0	3,590 (1628)	960 (435)	210 (95)
PS20M20M 20 mm dia. 20 mm lead	*Non-preloaded Ball*	< 0.002 (0,050)	90	< 0.003 (0,076)	3,505 (1589)	1,293 (586)	283 (128)
	Preloaded Ball	< 0.002 (0,050)	90	0	3,150 (1428)	1,160 (526)	255 (116)

Other Specifications

Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm
Screw Material	Right Hand Thread, Case Hardened Rc 58 Steel Precision Rolled Ball Screw
Screw Extensions	Woodruff Keyways on Support Housings - 404 Drive End; 303 Opposite End
Screw Maximum Length	118.11 inches (3000 mm)
Screw Weight	1.35 lbs/ft (20,1 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .02 inch (0,50) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

More Information via the Web

Simple-Simple



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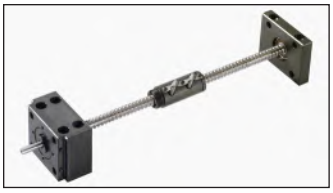


Rigid-Simple

Rigid-Rigid

Screw & Nut Specifications

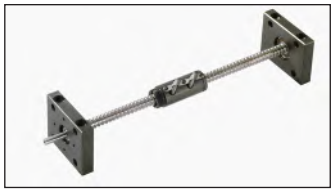
Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
GS062020 0.625 inch dia. 0.200 inch lead	***Preloaded Ball***	< 0.0005 (0,012)	90	0	3,080 (1397)	987 (447)	216 (97)
GS16M05M 16 mm dia. 5 mm lead	***Preloaded Ball***	< 0.0005 (0,012)	90	0	3,080 (1397)	987 (447)	216 (97)
GS16M16M 16 mm dia. 16 mm lead	***Preloaded Ball***	< 0.0005 (0,012)	90	0	1,800 (816)	910 (816)	199 (90)

Other Specifications

Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm
Screw Material	Right Hand Thread, Case Hardened Rc 58 Steel Ground Ball Screw
Screw Extensions	303 Woodruff Keyways on Both Extensions from Support Housings
Screw Maximum Length (2)	45.27 inches (1150 mm)
Screw Weight	0.87 lbs/ft (13,0 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .02 inch (0,50) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

More Information via the Web

Simple-Simple



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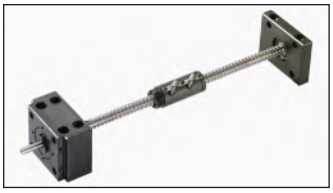


Rigid-Simple

Rigid-Rigid

Screw & Nut Specifications

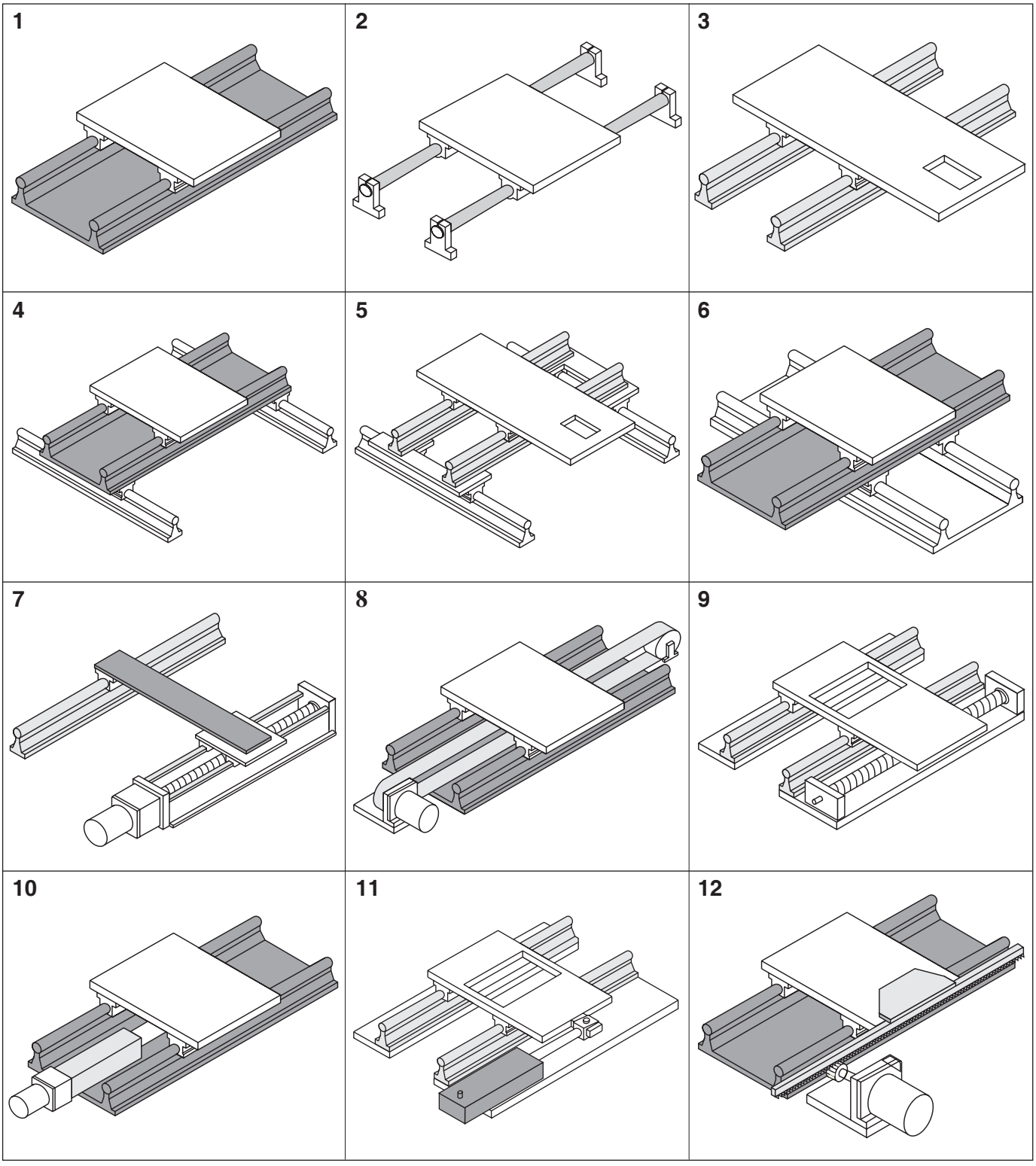
Model Number	Nut Type	Lead Error inch/ft (mm/300 mm)	Screw Efficiency %	Backlash inches (mm)	Static Load lbs (kgf)	Dynamic Load 1 million inches lbs (kgf)	Dynamic Load 100 million inches lbs (kgf)
GS075020 0.750 inch dia. 0.200 inch lead	***Preloaded Ball***	< 0.0005 (0,012)	90	0	3,990 (1809)	1,070 (485)	234 (106)
GS20M05M 20 mm dia. 5 mm lead	***Preloaded Ball***	< 0.0005 (0,012)	90	0	3,990 (1809)	1,070 (485)	234 (106)
GS20M20M 20 mm dia. 20 mm lead	***Preloaded Ball***	< 0.0005 (0,012)	90	0	3,505 (1589)	1,293 (586)	283 (128)

Other Specifications

Maximum Acceleration Rate	Ball nut: 772 inches/sec^2 (19.6 m/sec^2)
Maximum Speed	Ball nut: 3000 rpm
Screw Material	Right Hand Thread, Case Hardened Rc 58 Steel Ground Ball Screw
Screw Extensions	Woodruff Keyways on Support Housings - 404 Drive End; 303 Opposite End
Screw Maximum Length (2)	64.95 inches (1650 mm)
Screw Weight	1.35 lbs/ft (20,1 g/cm)
Support Housings	Aluminum with Black Anodized Finish or Steel with Black Oxide Finish 45° Chamfer x .02 inch (0,50) all Straight Edges Base or Face Mount with Integral Seals
Nut Flanges	Steel with Black Oxide Finish English or Metric Load Mounting Interface

[More Information via the Web]

LINTECH shafts, shaft assemblies, linear bearings, pillow blocks and carriage assemblies are used in many different applications requiring mechanical motion. These components are utilized with air cylinders, hydraulic actuators, lead screws, rack & pinion systems, belt & pulleys, chain & sprockets, as well as in manual positioning systems. *LINTECH* individual shafts or SA shaft assemblies, along with individual linear bearings or pillow blocks, are typically used when a designer wishes to spread apart the shafts or SA shaft assemblies and make a custom carriage assembly. The TRSA shaft assemblies and TRCA carriage assemblies are utilized together when ease of installation is of essence.



Unit Conversions

Torque Conversions

Present Units	Convert To	Multiply By
Gram-centimeters	newton-meters	0.0000981
Gram-centimeters	ounce-inches	0.0138874
Gram-centimeters	pound-inches	0.000868
Gram-centimeters	pound-feet	0.0000723
Newton-meters	gram-centimeters	10,197.162
Newton-meters	ounce-inches	141.612
Newton-meters	pound-inches	8.85
Newton-meters	pound-feet	0.73756
Ounce-inches	gram-centimeters	72.0077
Ounce-inches	newton-meters	0.007062
Ounce-inches	pound-inches	0.0625
Ounce-inches	pound-feet	0.005208
Pound-inches	gram-centimeters	1,152.0
Pound-inches	newton-meters	0.11299
Pound-inches	ounce-inches	16.0
Pound-inches	pound-feet	0.08333
Pound-feet	gram-centimeters	13,825.5
Pound-feet	newton-meters	1.3558
Pound-feet	ounce-inches	192.0
Pound-feet	pound-inches	12.0

Distance Conversions

Present Units	Convert To	Multiply By
Arc-minutes	degrees	0.016666
Arc-seconds	degrees	0.000277
Centimeters	inches	0.3937
Centimeters	feet	0.03280
Centimeters	microns	10,000.0
Degrees	arc-minutes	60.0
Degrees	arc-seconds	3,600.0
Degrees	radians	0.017453
Feet	centimeters	30.48
Feet	meters	0.3048
Inches	centimeters	2.54
Inches	Km	0.0000254
Inches	meters	0.0254
Inches	microns	25,400.0
Inches	millimeters	25.4
Km	inches	39,370.0
Meters	feet	3.2808
Meters	inches	39.37
Meters	microns	1,000,000.0
Microns	centimeters	0.0001
Microns	inches	0.00003937
Microns	meters	0.000001
Microns	millimeters	0.001
Millimeters	inches	0.03937
Millimeters	microns	1,000.0
Radians	degrees	57.295779

Reference : *Handbook of Tables for Applied Engineering Science*

Inertia Conversions

Present Units	Convert To	Multiply By
Gram-cm^2	ounce-inches^2	0.00546745
Gram-cm^2	ounce-inch-sec^2	0.000014161
Gram-cm^2	pound-inches^2	0.000341716
Gram-cm^2	pound-inch-sec^2	0.000000885
Gram-cm^2	pound-feet-sec^2	0.000000074
Ounce-inches^2	gram-cm^2	182.901
Ounce-inches^2	ounce-inch-sec^2	0.00259008
Ounce-inches^2	pound-inches^2	0.0625
Ounce-inches^2	pound-inch-sec^2	0.00016188
Ounce-inches^2	pound-feet-sec^2	0.00001349
Ounce-inch-sec^2	gram-cm^2	70,615.4
Ounce-inch-sec^2	ounce-inches^2	386.0
Ounce-inch-sec^2	pound-inches^2	24.13045
Ounce-inch-sec^2	pound-inch-sec^2	0.0625
Ounce-inch-sec^2	pound-feet-sec^2	0.00520833
Pound-inches^2	gram-cm^2	2,926.41
Pound-inches^2	ounce-inches^2	16.0
Pound-inches^2	ounce-inch-sec^2	0.0414413
Pound-inches^2	pound-inch-sec^2	0.00259008
Pound-inches^2	pound-feet-sec^2	0.00021584
Pound-inch-sec^2	gram-cm^2	1,129,850.0
Pound-inch-sec^2	ounce-inches^2	6,177.4
Pound-inch-sec^2	ounce-inch-sec^2	16.0
Pound-inch-sec^2	pound-inches^2	386.0
Pound-inch-sec^2	pound-feet-sec^2	0.0833333
Pound-feet-sec^2	gram-cm^2	13,558,200.0
Pound-feet-sec^2	ounce-inches^2	74,128.9
Pound-feet-sec^2	ounce-inch-sec^2	192.0
Pound-feet-sec^2	pound-inches^2	4,633.06
Pound-feet-sec^2	pound-inch-sec^2	12.0

Load Conversions

Present Units	Convert To	Multiply By
Grams	newtons	0.009806
Grams	ounces	0.03528
Grams	pounds	0.002204
Kilograms	pounds	2.2046
Newtons	grams	101.971
Newtons	ounces	3.59692
Newtons	pounds	0.224808
Ounces	grams	28.3495
Ounces	newtons	0.27802
Ounces	pounds	0.0625
Pounds	grams	453.592
Pounds	kilograms	0.45359
Pounds	newtons	4.44824
Pounds	ounces	16.0
Pounds	tons	0.0005
Tons	pounds	2,000.0

Terms of Sale

To Order

Any standard, or custom, product from LINTECH may be ordered by mail, email, on-line, phone, or fax from an Automation Specialist in your area. To obtain the name of your local Automation Specialist call:

LINTECH®

1845 Enterprise Way
Monrovia, CA 91016

Toll Free: (800) 435 - 7494
Phone: (626) 358 - 0110
Fax: (626) 303 - 2035

Web Site: www.LintechMotion.com
E-Mail: **Lintech@LintechMotion.com**

All required options should be reviewed using the part numbering guide for each model series. Your local Automation Specialist or factory personnel can assist you with any questions you may have.

Delivery

All shipping promises are made in good faith. Any shipping dates appearing on acknowledgments of orders or given to a customer in any other manner are approximate. Where the customer delays in supplying information necessary to proceeding with an order, the date of shipment may be extended accordingly. Standard products from LINTECH are usually available for delivery within 1 to 6 weeks of receipt of a purchase order. However, component shortages, labor disputes, or any other unforeseen circumstance may delay the delivery of an order. LINTECH shall not be held liable under any circumstance. All products are shipped F.O.B. Monrovia, CA. LINTECH packages all standard and custom products carefully. However, LINTECH is not liable for damage incurred during shipment. Contact the carrier immediately if damage to a package or shipment is noticed upon receipt of such shipment.

Payment Terms

Unless otherwise specified, payment shall be made by C.O.D, credit card (AMEX, Visa, or Master Card), or net thirty (30) days (pending credit approval) from date of shipment of the items purchased hereunder in U.S. currency. LINTECH reserves the right to require deposit payments on non-standard items, customs, or product built to Buyer's designs or specifications. Amounts not timely paid shall bear interest at the rate of 1.5% for each month or a portion thereof that Buyer is late in making payments. No responsibility is assumed by LINTECH for damages arising from delivery delays, fires, strikes, material shortages, accidents, or any other cause whatsoever, and purchase orders are accepted subject only to these conditions irrespective of statements or stipulations on purchase orders.

Minimum Order Amount

LINTECH requires a minimum of $30 List Price U.S. currency on all orders.

Warranty

All LINTECH products are guaranteed to be free from defects in material and workmanship, under normal use, for a period of one year after date of shipment. This warranty covers the repair or replacement of a product when it is sent prepaid to LINTECH. LINTECH does not assume liability for installation, abuse, alteration, insufficient application data provided for a design, or misuse of any positioning system. Products furnished by LINTECH, but not manufactured by LINTECH (motors, gearheads, encoders, amplifiers, etc....), are subject to the manufacturers standard warranty terms and conditions.

Returns

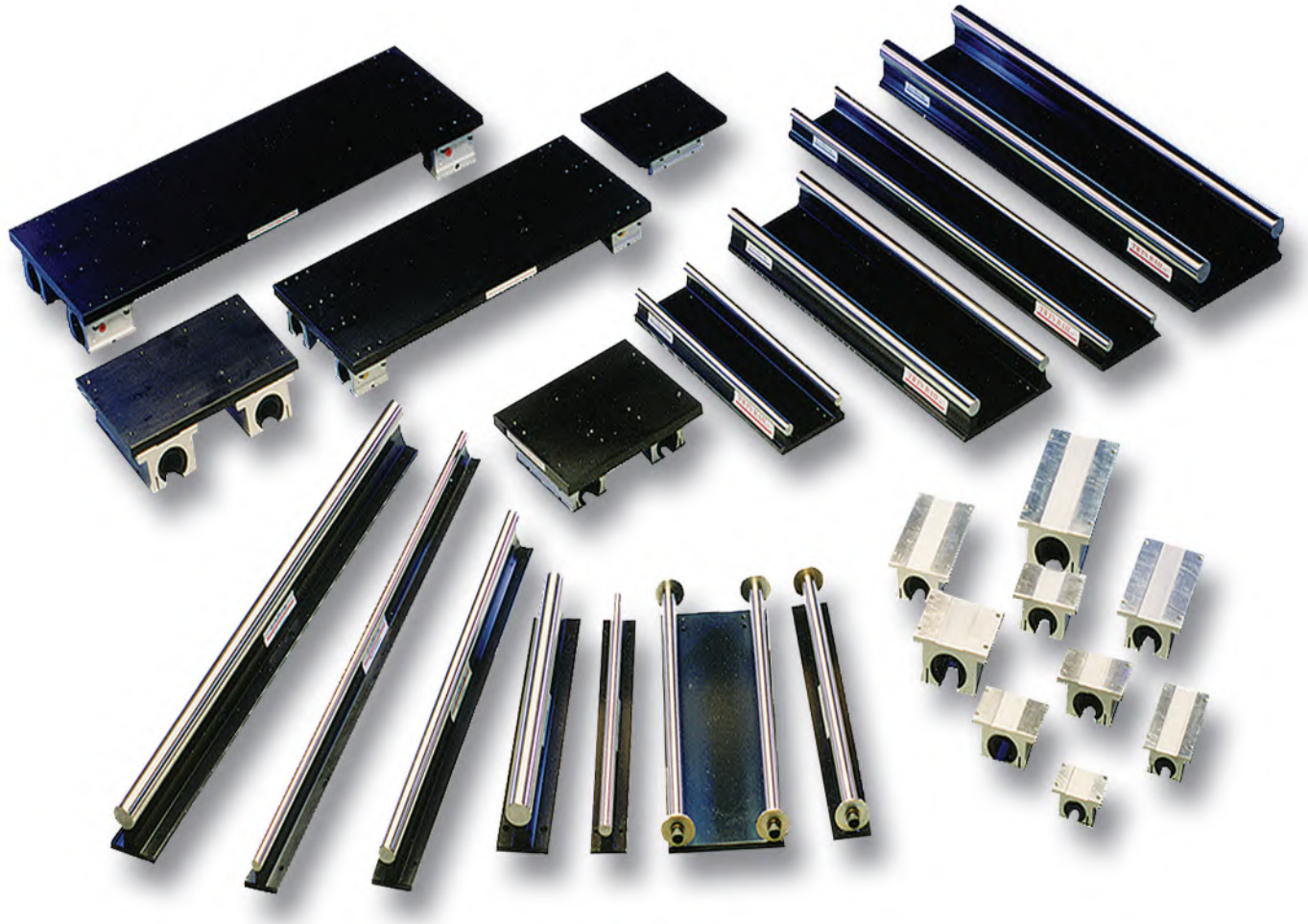
Any product requiring a return to LINTECH (for warranty or non-warranty repair) requires pre-approval from the factory prior to shipment. Contact the customer service department at (800) 435-7494 in order to obtain a RMA (Return Materials Authorization) number. At that time, please have your system Model & Serial numbers available, along with the reason for the return. The RMA number should be clearly marked on the returned package label and your packing list, or shipping document. Return product freight prepaid in its original package or one with comparable protection. LINTECH will not accept return shipments sent freight collect. Product damage incurred during return shipment, from poor packaging, will not be warranted by LINTECH. Keeping original packing materials is recommended until initial inspection and testing is completed.

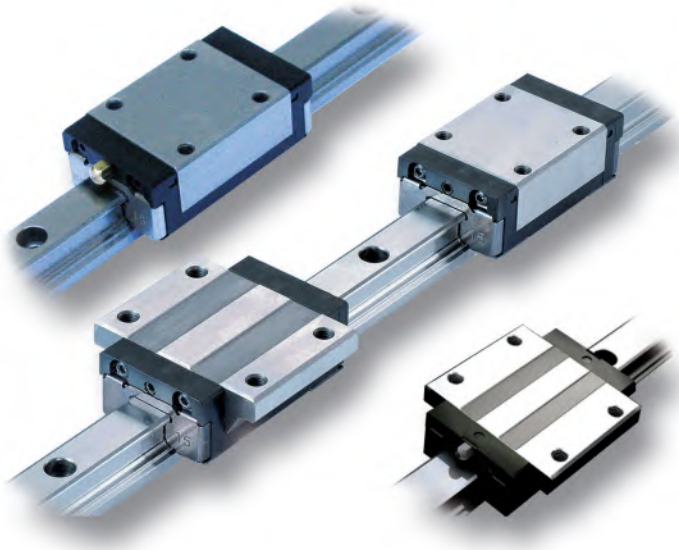
Dimensions and Product Changes

Published dimensions shown in LINTECH catalogs are known to be accurate at time of printing. LINTECH shall not be held liable, under any circumstances, for any wrongly documented dimension or specification. Changes in design are made whenever LINTECH believes its products will improve by the change. No obligation to incorporate these changes in units manufactured prior to a change will be assumed.

Cancellations

All items entered for production and on which a cancellation is requested shall be paid for on the basis of actual cost of labor, materials, and supplies applied to the production of such items plus proper overhead expenses determined in accordance with good accounting practice, plus 25% of the total of such cost and expenses; provided that such cost and expense plus 25% shall in no case exceed 100% of the quoted price of original order. Upon cancellation, LINTECH may dispose of materials used in the manufacture of cancelled order as it sees fit.





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