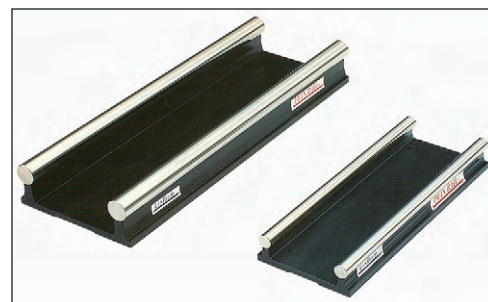
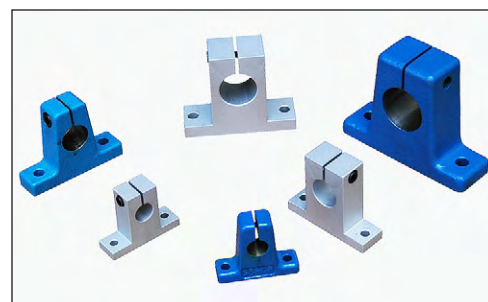


Shafting, Shaft Supports and Shaft Assembly Products

Shaft Ordering Guide _____	C-1
Inch Shafting Specifications _____	C-2
Metric Shafting Specifications _____	C-3
ES, ARS & LSRS Ordering Guide _____	C-4
ES Series Specifications _____	C-5
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Shaft Assemblies Ordering Guide _____	C-8
SA & TRSA Series Specifications _____	C-8
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Shaft & Shaft Assembly Options _____	C-25



SL **12** - **SS** - **PD** x **105.375**

Shafting _____
SL - Class L diameter tolerance
SS - Class S diameter tolerance
SN - Class N diameter tolerance
SM - Metric diameter

Shaft Diameter _____
4 - 0.250 inch diameter **8** - 8 mm diameter
6 - 0.375 inch diameter **10** - 10 mm diameter
8 - 0.500 inch diameter **12** - 12 mm diameter
10 - 0.625 inch diameter **16** - 16 mm diameter
12 - 0.750 inch diameter **20** - 20 mm diameter
16 - 1.000 inch diameter **25** - 25 mm diameter
20 - 1.250 inch diameter **30** - 30 mm diameter
24 - 1.500 inch diameter **40** - 40 mm diameter
32 - 2.000 inch diameter **50** - 50 mm diameter

Shaft Material _____
 - 1060 Steel
SS - 440C Stainless Steel (not available in class N)
CR - Chrome Plated 1060 Steel

Pre-Drilled _____
 - No mounting hole pattern
PD - pre-drilled hole pattern

Overall Length _____
xxx.xxx - inches for all series



Specifications: SL, SS & SN Shafting

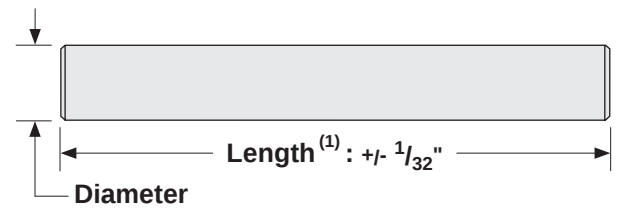
Shaft Straightness⁽¹⁾ Shaft Type Shaft Roundness Shaft Chamfer Surface Finish	0.001/0.002 in/ft, cumulative 1060 Steel or 440C Stainless steel (only with L & S tolerance) 0.000080 inches For 0.25 - 0.75 inch dia. : 0.03 inch x 45°, For 1.00 - 2.00 inch dia. : 0.06 inch x 45° 8 - 12 R _a microinch				
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	0.040
	0.375	.3745 / .3740	.3740 / .3735	.3750 / .3748	0.040
	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

Footnotes:

(1) Straightness of .0005/.001 in/ft cumulative is available. Contact the factory.

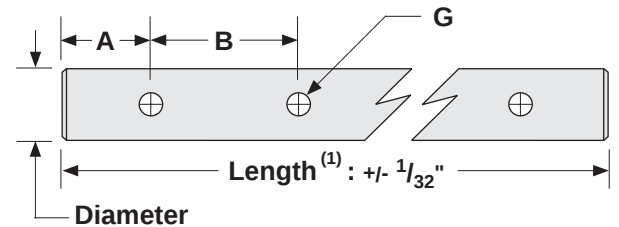
Dimensions & Specifications: SL, SS & SN Shafting

Model Number	Nominal Shaft Diameter	Maximum Length					Shaft Weight
		Class L -SS		Class S -SS		Class N	
	(inches)	(inches)	(inches)	(inches)	(inches)	(lbs/in)	
Sx4	0.250	96	144	96	144	96	0.014
Sx6	0.375	172	154	172	154	172	0.031
Sx8	0.500	184	154	184	154	184	0.055
Sx10	0.625	184	154	184	154	184	0.086
Sx12	0.750	184	154	184	154	184	0.125
Sx16	1.000	184	154	184	154	184	0.222
Sx20	1.250	184	154	184	154	184	0.348
Sx24	1.500	184	154	184	154	184	0.500
Sx32	2.000	184	154	184	154	184	0.890



Dimensions & Specifications: SL-PD Shafting

Model Number	Nominal Shaft Diameter (inches)	Maximum Length		Pre-Drilled Holes (inches)			Shaft Weight (lbs/in)
		-SS (inches)		A +/- .016	B	G	
SL8-PD	0.500	172	154	2.00	4.00	#6-32	0.055
SL10-PD	0.625	184	154	2.00	4.00	#8-32	0.086
SL12-PD	0.750	184	154	3.00	6.00	#10-32	0.125
SL16-PD	1.000	184	154	3.00	6.00	1/4-20	0.222
SL20-PD	1.250	184	154	3.00	6.00	5/16-18	0.348
SL24-PD	1.500	184	154	4.00	8.00	3/8-16	0.500
SL32-PD	2.000	184	154	4.00	8.00	1/2-13	0.890



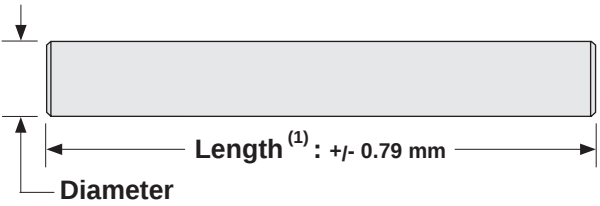
Footnotes:

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

Specifications: **SM** Metric Shafting

Shaft Straightness	0,0254/0,0508 mm/300 mm - cumulative		
Shaft Type	1060 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 - 12 R _a microinch		
Diameter Tolerance		Nominal Shaft Diameter (mm)	Diameter Tolerance (mm)
Hardness Depth			Minimum Hardness Depth (mm)
		8	8,00 / 7,99
		10	10,00 / 9,99
		12	12,00 / 11,99
		16	16,00 / 15,99
		20	20,00 / 19,99
		25	25,00 / 24,99
		30	30,00 / 29,99
		40	40,00 / 39,99
		50	50,00 / 49,98

Dimensions & Specifications: **SM** Metric Shafting

Model Number	Nominal Shaft Diameter (mm)	Maximum Length inches (mm)	Shaft Weight (lbs/in)	
SM8	8	172 (4368,8)	0.022	 The diagram shows a horizontal shaft with a diameter dimension line on the left and a length dimension line below it. The length is labeled 'Length ⁽¹⁾ : +/- 0.79 mm'.
SM10	10	172 (4368,8)	0.038	
SM12	12	184 (4673,6)	0.050	
SM16	16	184 (4673,6)	0.088	
SM20	20	184 (4673,6)	0.138	
SM25	25	184 (4673,6)	0.216	
SM30	30	184 (4673,6)	0.311	
SM40	40	184 (4673,6)	0.553	
SM50	50	184 (4673,6)	0.864	

Footnotes:

(1) Tighter tolerance available. Contact the factory.

ES 10 - A

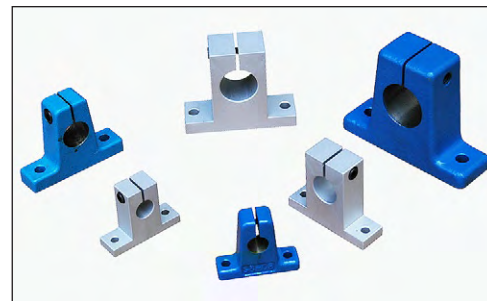
End Support Block _____

Shaft Diameter _____

8 - 0.500 inch diameter
 10 - 0.625 inch diameter
 12 - 0.750 inch diameter
 16 - 1.000 inch diameter
 20 - 1.250 inch diameter
 24 - 1.500 inch diameter
 32 - 2.000 inch diameter

Support Material _____

A - Aluminum
 S - Steel



ARS 10 - PD - 24

Aluminum Rail Support _____

Shaft Diameter Supported _____

8 - 0.500 inch diameter
 10 - 0.625 inch diameter
 12 - 0.750 inch diameter
 16 - 1.000 inch diameter
 20 - 1.250 inch diameter
 24 - 1.500 inch diameter
 32 - 2.000 inch diameter

Pre-Drilled _____

- No mounting hole pattern
 PD - pre-drilled hole pattern

Support length _____

24 - 24 inch length



C

LSRS 10 - PD - 48

Low Profile Steel Rail Support _____

Shaft Diameter Supported _____

8 - 0.500 inch diameter
 10 - 0.625 inch diameter
 12 - 0.750 inch diameter
 16 - 1.000 inch diameter
 20 - 1.250 inch diameter
 24 - 1.500 inch diameter
 32 - 2.000 inch diameter

Pre-Drilled _____

- No mounting hole pattern
 PD - pre-drilled hole pattern

Support length _____

48 - 48 inch length

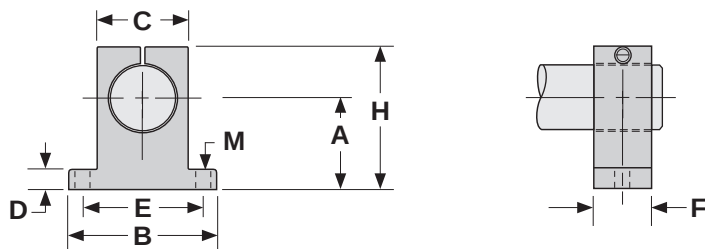


Specifications: ES, ARS & LSRS End Support Block

ES material & Finish	-A: 6061-T6 aluminum, natural finish -S: C1045 steel, blue enamel
ARS material & Finish	6061-T6 aluminum, natural finish
LSRS material & Finish	AISI C-1018 steel, natural finish

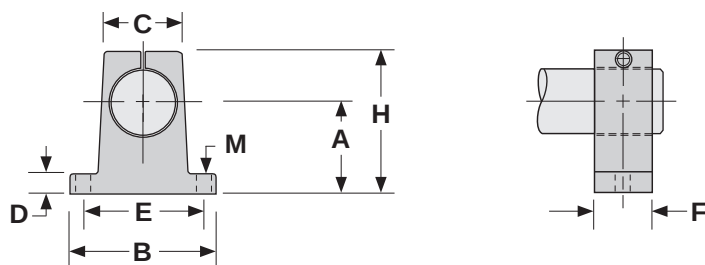
Dimensions & Specifications: ES-A End Support Block

Model Number	Nominal Shaft Diameter (inches)	Dimensions (inches)									Support Weight (lbs)
		A +/- .001	B	C	D	E +/- .010	F	H	M		
									hole	bolt size	
ES8-A	0.500	1.000	2.000	0.875	.250	1.500	0.625	1.625	.188	#8	.08
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	4.375	.406	3/8	1.40



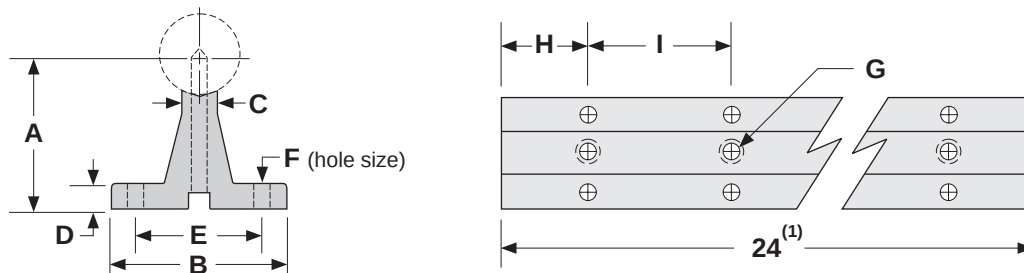
Dimensions & Specifications: ES-S End Support Block

Model Number	Nominal Shaft Diameter (inches)	Dimensions (inches)									Support Weight (lbs)
		A +/- .001	B	C	D	E +/- .010	F	H	M		
									hole	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



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

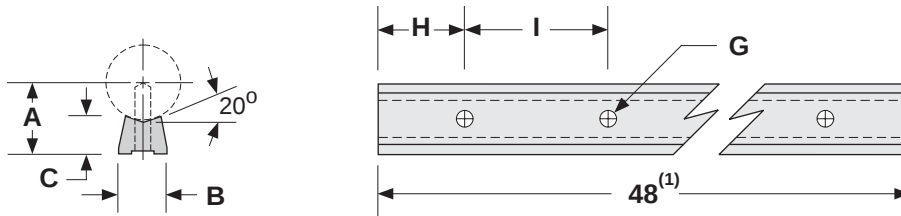


Footnotes:

(1) Shorter lengths available. Contact the factory.

Dimensions & Specifications: LSRS-PD Shaft Support

Model Number Without Holes With Predrilled Holes		Nominal Shaft Diameter (inches)	Dimensions (inches)							Support Weight (lbs/in)
			A +/- .002	B	C	G		H	I	
						hole	bolt size			
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



Footnotes:

(1) Shorter lengths available. Contact the factory.