



SL 12 - SS - PD x 105.375

Shafting

- SL** - Class L diameter tolerance
- SS** - Class S diameter tolerance
- SN** - Class N diameter tolerance

Shaft Diameter

- 4** - 0.250 inch diameter
- 6** - 0.375 inch 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

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

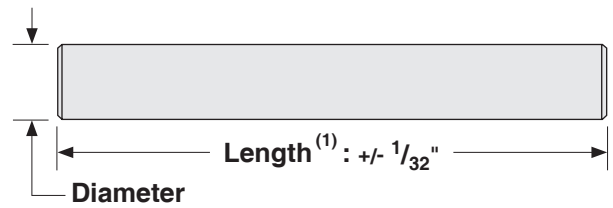
xxx.xxx - inches for all series

Specifications: SL, SS & SN Inch Precision Linear 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	Nominal Shaft Diameter (inches)	Class L Diameter Tolerance (inches)	Class S Diameter Tolerance (inches)	Class N Diameter Tolerance (inches)	Minimum Hardness Depth (inches)
Hardness Depth	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

Dimensions & Specifications: SL, SS & SN Inch Precision Linear Shafting

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

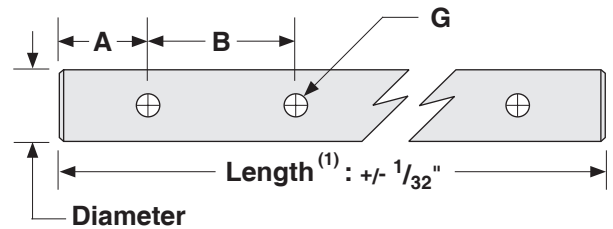


(1) Length tolerance for 2" diameter shafting is +/- 1/16 inches. Tighter tolerance available. Contact the factory.

⊥ L - class L, S - class S, N - class N

Dimensions & Specifications: SL-PD Inch Precision Linear Shafting

Model Number	Nominal Shaft Diameter (inches)	Maximum Length (inches)	Pre-Drilled Holes (inches)			Shaft Weight (lbs/in)	
			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.



SM **12** - **CR** x **105.375**

Shafting _____

SM - Metric diameter

Shaft Diameter _____

- 8** - 8 mm diameter
- 10** - 10 mm diameter
- 12** - 12 mm diameter
- 16** - 16 mm diameter
- 20** - 20 mm diameter
- 25** - 25 mm diameter
- 30** - 30 mm diameter
- 40** - 40 mm diameter
- 50** - 50 mm diameter

Shaft Material _____

- 1060 Steel
- SS** - 440C Stainless Steel
- CR** - Chrome Plated 1060 Steel

Overall Length _____

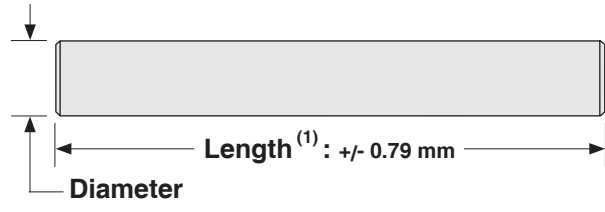
xxx.xxx - inches for all series

Specifications: **SM** Metric Precision 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	<u>For 8 - 20 mm dia.</u> : 0,762 mm x 45°, <u>For 25 - 50 mm dia.</u> : 1,524 mm inch x 45°																														
Surface Finish	8 R _a microinch																														
Diameter Tolerance	<table border="1"> <thead> <tr> <th>Nominal Shaft Diameter (mm)</th> <th>Diameter Tolerance (mm)</th> <th>Minimum Hardness Depth (mm)</th> </tr> </thead> <tbody> <tr><td>8</td><td>8,00 / 7,99</td><td>0,69</td></tr> <tr><td>10</td><td>10,00 / 9,99</td><td>0,69</td></tr> <tr><td>12</td><td>12,00 / 11,99</td><td>1,02</td></tr> <tr><td>16</td><td>16,00 / 15,99</td><td>1,02</td></tr> <tr><td>20</td><td>20,00 / 19,99</td><td>1,52</td></tr> <tr><td>25</td><td>25,00 / 24,99</td><td>2,03</td></tr> <tr><td>30</td><td>30,00 / 29,99</td><td>2,03</td></tr> <tr><td>40</td><td>40,00 / 39,99</td><td>2,03</td></tr> <tr><td>50</td><td>50,00 / 49,98</td><td>2,54</td></tr> </tbody> </table>	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
Nominal Shaft Diameter (mm)		Diameter Tolerance (mm)	Minimum Hardness Depth (mm)																												
8		8,00 / 7,99	0,69																												
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50	50,00 / 49,98	2,54																													
Hardness Depth																															

Dimensions & Specifications: **SM** Metric Shafting

Model Number	Nominal Shaft Diameter (mm)	Maximum Length inches (mm)		Shaft Weight (lbs/in)
		-SS		
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.