



**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** \_\_\_\_\_

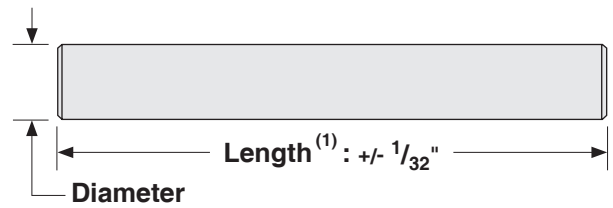
**xxx.xxx** - inches for all series

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

<b>Shaft Straightness</b>	0.001/0.002 in/ft, cumulative				
<b>Shaft Type</b>	1060 Steel or 440C Stainless steel (only with L & S tolerance)				
<b>Shaft Roundness</b>	0.000080 inches				
<b>Shaft Chamfer</b>	For 0.25 - 0.75 inch dia. : 0.03 inch x 45°, For 1.00 - 2.00 inch dia. : 0.06 inch x 45°				
<b>Surface Finish</b>	8 R <sub>a</sub> microinch				
<b>Diameter Tolerance</b>	<b>Nominal Shaft Diameter</b> (inches)	<b>Class L Diameter Tolerance</b> (inches)	<b>Class S Diameter Tolerance</b> (inches)	<b>Class N Diameter Tolerance</b> (inches)	<b>Minimum Hardness Depth</b> (inches)
<b>Hardness Depth</b>	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

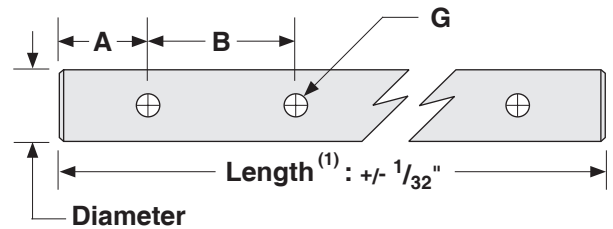


(1) Length tolerance for 2" diameter shafting is +/- 1/16 inches. Tighter tolerance available. Contact the factory.

⊥ 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** \_\_\_\_\_

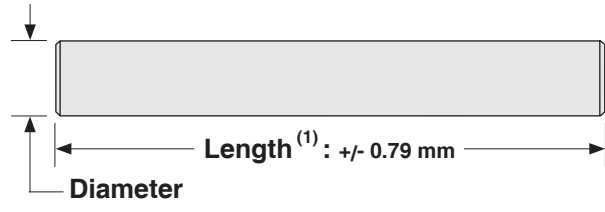
**xxx.xxx** - inches for all series

## Specifications: **SM** Metric Precision Shafting

<b>Shaft Straightness</b>	0,0254/0,0508 mm/300 mm - cumulative																														
<b>Shaft Type</b>	1060 Steel or 440C Stainless Steel																														
<b>Shaft Roundness</b>	0,0020 mm																														
<b>Shaft Chamfer</b>	<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°																														
<b>Surface Finish</b>	8 R <sub>a</sub> microinch																														
<b>Diameter Tolerance</b>	<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																												
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																													
<b>Hardness Depth</b>																															

## Dimensions & Specifications: **SM** Metric Shafting

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



(1) Tighter tolerance available. Contact the factory.