



**SA** **12** - **6** - **SS** - **E2**

**Assembly Type** \_\_\_\_\_

**SA** - Single Rail Shaft Assembly

**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

**Overall Length** \_\_\_\_\_

**xxx** - inches

**Shaft Material** \_\_\_\_\_

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

**End Stops** \_\_\_\_\_

- No end stops  
**E1** - One end stop  
**E2** - Two end stops

### Specifications: SA & TRSA Shaft Assemblies

<b>Support Type &amp; Finish</b>	Precision Machined 6061-T6 Aluminum, Black Anodized																								
<b>Shaft Straightness</b>	0.001/0.002 in/ft, cumulative																								
<b>Shaft Parallelism (TRSA only)</b>	+/- 0.002 in overall																								
<b>Shaft Type</b>	SL - 1060 Steel or 440C Stainless steel																								
<b>Shaft Roundness</b>	0.000080 inches																								
<b>Shaft Chamfer</b>	For 0.50 - 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 - 12 R <sub>a</sub> microinch																								
<b>Diameter Tolerance</b>	<table border="1"> <thead> <tr> <th>Nominal Shaft Diameter (inches)</th> <th>Shaft Diameter Tolerance (inches)</th> <th>Minimum Hardness Depth (inches)</th> </tr> </thead> <tbody> <tr> <td>0.500</td> <td>.4995 / .4990</td> <td>0.040</td> </tr> <tr> <td>0.625</td> <td>.6245 / .6240</td> <td>0.040</td> </tr> <tr> <td>0.750</td> <td>.7495 / .7490</td> <td>0.060</td> </tr> <tr> <td>1.000</td> <td>.9995 / .9990</td> <td>0.080</td> </tr> <tr> <td>1.250</td> <td>1.2495 / 1.2490</td> <td>0.080</td> </tr> <tr> <td>1.500</td> <td>1.4994 / 1.4989</td> <td>0.080</td> </tr> <tr> <td>2.000</td> <td>1.9994 / 1.9987</td> <td>0.100</td> </tr> </tbody> </table>	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
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