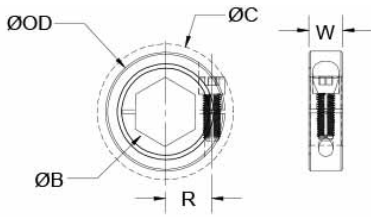




## CL-8HX-SS

Ruland CL-8HX-SS, 1/2" Hex Bore Shaft Collar, 303 Stainless Steel, One-Piece Clamp Style, 1 1/8" OD, 0.406" Width



### Description

Ruland CL-8HX-SS is a one-piece shaft collar with a 0.5000" bore, 1 1/8" OD, and 0.406" width. It has a hex bore which is useful when the collar is used in a positive drive application. The clamp style design does not mar the shaft, is easy to remove, and is indefinitely adjustable. CL-8HX-SS is commonly used for guiding, spacing, stopping, mounting, and component alignment. Equipment manufacturers benefit from the tightly controlled face to bore perpendicularity (TIR of ? .002"). Perpendicularity is critical for alignment when the shaft collar is used as a load bearing face, mechanical stop, or for mounting components such as gears or bearings. Proprietary processes have been developed by Ruland to maintain superior fit, finish, and holding power. CL-8HX-SS is stamped with the Ruland name and bore size for ease of identification. Forged screws test beyond ANSI standards to ensure maximum holding power. CL-8HX-SS is manufactured from solid bar stock sourced from select North American mills and machined to a fine burr free finish. Ruland uses 303 stainless steel with hardware of like material for consistent corrosion resistance. Stainless steel hardware undergoes a proprietary surface treatment process to prevent galling. CL-8HX-SS is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

### Product Specifications

<b>Bore (B)</b>	0.5000 in	<b>Bore Tolerance</b>	+0.0020 in / +0.0005 in
<b>Outer Diameter (OD)</b>	1 1/8 in	<b>Clearance Diameter (C) MAX</b>	1.281 in
<b>Width (W)</b>	0.406 in	<b>Width Tolerance</b>	+0.003 in / -0.010 in
<b>Recommended Shaft Tolerance</b>	+0.0000 in / -0.0005 in	<b>Forged Clamp Screw</b>	#8-32
<b>Screw Material</b>	18-8 300 Series Stainless Steel	<b>Hex Wrench Size</b>	9/64 in
<b>Screw Finish</b>	Bright	<b>Seating Torque</b>	28 lb-in
<b>Screw Location (R)</b>	0.406 in	<b>Number of Screws</b>	1 ea
<b>Material Specification</b>	Type 303 Austenitic, Non-Magnetic Bar	<b>Finish Specification</b>	Bright, No Plating
<b>Manufacturer</b>	Ruland Manufacturing	<b>Country of Origin</b>	USA
<b>Temperature</b>	-40°F to 350°F (-40°C to 176°C)	<b>Weight (lbs)</b>	0.084600
<b>UPC</b>	634529209301	<b>Tariff Code</b>	8483.60.8000
<b>UNSPC</b>	31162811		

**Note 1** Performance ratings are for guidance only. The user must determine suitability for a particular application.

**Prop 65**  **WARNING** This product can expose you to the chemical Nickel (metallic), known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Installation Instructions

1. Use the CL-8HX-SS hex bore shaft collar as it is received.
2. Wipe the bore clean.
3. Apply a thin coat of light oil to the shaft.
4. Place the collar onto the desired shaft location and tighten it using a 9/64 in hex wrench until a slight resistance is felt.
5. Wring collar into its final position and tighten the screw to the full recommended seating torque of 28 lb-in using a 9/64 in torque wrench.