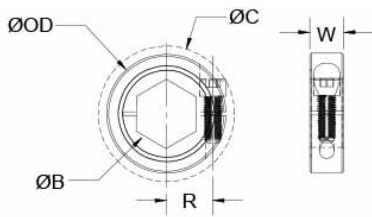




CL-8HX-SS

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

Bore (B1)	0.5000 in	Bore Tolerance	+0.0020 in / +0.0005 in
Outer Diameter (OD)	1 1/8 in	Clearance Diameter (C) MAX	1.281 in
Width (W)	0.406 in	Width Tolerance	+0.003 in / -0.010 in
Recommended Shaft Tolerance	+0.0000 in / -0.0005 in	Forged Clamp Screw	#8-32
Screw Material	18-8 300 Series Stainless Steel	Hex Wrench Size	9/64 in
Screw Finish	Bright	Seating Torque	28 lb-in
Screw Location (R)	0.406 in	Number of Screws	1 ea
Material Specification	Type 303 Austenitic, Non-Magnetic Bar	Finish Specification	Bright, No Plating
Manufacturer	Ruland Manufacturing	Country of Origin	USA
Temperature	-40°F to 350°F (-40°C to 176°C)	Weight (lbs)	0.084600
UPC	634529209301	Tariff Code	8483.60.8000
UNSPC	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 .		

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.