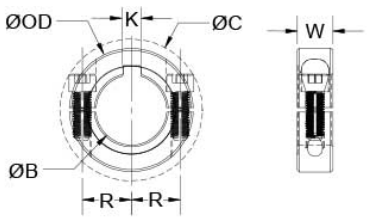
SPK-46-SS

Ruland SPK-46-SS, 2 7/8" Two-Piece Shaft Collar, 303 Stainless Steel, Clamp Style with Keyway, 4 1/4" OD, 0.875" Width





Description

Ruland SPK-46-SS is a two-piece shaft collar with a 2 7/8" bore, 3/4" keyway, 4 1/4" OD, and 0.875" width. The clamp style design does not mar the shaft, is easy to remove, and is indefinitely adjustable. SPK-46-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. SPK-46-SS is stamped with the Ruland name and bore size for ease of identification. Halves are mated throughout the manufacturing process for proper fit and alignment. Forged screws test beyond ANSI standards to ensure maximum holding power. SPK-46-SS is machined from solid bar stock to a fine burr free finish and sourced exclusively from North American mills. 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. It is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Bore (B1)	2.8750 in	**Bore Tolerance**	+0.0020 in / +0.0005 in
Keyway (K)	3/4 in	**Width (W)**	0.875 in
Outer Diameter (OD)	4 1/4 in	**Width Tolerance**	+0.003 in / -0.010 in
Clearance Diameter (C) MAX	4.499 in	**Recommended Gap**	0.125 in
Recommended Shaft Tolerance	+0.0000 in / -0.0005 in	**Forged Clamp Screw**	3/8-24
Screw Material	18-8 300 Series Stainless Steel	**Hex Wrench Size**	5/16 in
Screw Finish	Bright	**Seating Torque**	345 lb-in
Screw Location (R)	1.813 in	**Number of Screws**	2 ea
Torque Wrench	TW:BT-4C-3/8-345	**Recommended Hex Key**	Inch Hex Keys
Material Specification	Type 303 Austenitic, Non-Magnetic Bar	**Temperature**	-40°F to 350°F (-40°C to 176°C)
Finish Specification	Bright, No Plating	**Manufacturer**	Ruland Manufacturing
Country of Origin	USA	**Weight (lbs)**	1.722689
UPC	63452915448	**UNSPC**	31162811
Tariff Code	8483.60.8000		
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)		

Installation Instructions

1. Use the SPK-46-SS two-piece 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 with the groove side as the work surface. Tighten the collar using a 5/16 in hex wrench until a slight resistance is felt.
5. Be sure to maintain the gap of 0.125 in between the two halves of the collar during installation.
6. Wring collar into its final position and tighten the screw to the full recommended seating torque of 345 lb-in using a 5/16 in torque wrench.