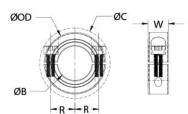




MSP-48-SS

Ruland MSP-48-SS, 48mm Two-Piece Shaft Collar, 303 Stainless Steel, Clamp Style, 78mm OD, 19mm Width





Description

Ruland MSP-48-SS is a two-piece shaft collar with a 48mm bore, 78mm OD, and 19mm width. The clamp style design does not mar the shaft, is easy to remove, and is indefinitely adjustable. It is commonly used for guiding, spacing, stopping, mounting, and component alignment. Equipment manufacturers benefit from the tightly controlled face to bore perpendicularity of Ruland shaft collars, TIR of ? 05mm. 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. MSP-48-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 DIN 912 12.9 standards to ensure maximum holding power. MSP-48-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. MSP-48-SS is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Outer Diameter (OD)78 mmClearance Diameter (C) MAX84.7 mrWidth (W)19 mmWidth Tolerance+0.076Recommended Gap3.18 mmRecommended Shaft Tolerance+0.000Forged Clamp ScrewM8 x 25Screw Material18-8 30Hex Wrench Size6.0 mmScrew FinishBrightSeating Torque23 NmScrew Location (R)32.00 mNumber of Screws2 eaMaterial SpecificationType 30 modernFinish SpecificationBright, No PlatingManufacturerRuland	
Width (W) 19 mm Width Tolerance +0.076 Recommended Gap 3.18 mm Recommended Shaft Tolerance +0.000 Forged Clamp Screw M8 x 25 Screw Material 18-8 30 Hex Wrench Size 6.0 mm Screw Finish Bright Seating Torque 23 Nm Screw Location (R) 32.00 m Number of Screws 2 ea Material Specification Type 30 modern Bar Finish Specification Bright, No Plating Manufacturer Ruland Country of Origin USA Temperature -40°F to Weight (lbs) 0.902700 UPC 634529	mm / +0.012 mm
Recommended Gap 3.18 mm Recommended Shaft Tolerance +0.000 Forged Clamp Screw M8 x 25 Screw Material 18-8 30 Hex Wrench Size 6.0 mm Screw Finish Bright Seating Torque 23 Nm Screw Location (R) 32.00 m Number of Screws 2 ea Material Specification Type 30 Bar Finish Specification Bright, No Plating Manufacturer Ruland Country of Origin USA Temperature -40°F to Weight (lbs) 0.902700 UPC 634529	n
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Number of Screws 2 ea Material Specification Type 30 Bar Finish Specification Bright, No Plating Manufacturer Ruland Country of Origin USA Temperature -40°F to Weight (lbs) 0.902700 UPC 634529	
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Country of Origin USA Temperature -40°F to Weight (lbs) 0.902700 UPC 634529	03 Austenitic, Non-Magnetic
Weight (lbs) 0.902700 UPC 634529	Manufacturing
	350°F (-40°C to 176°C)
Tariff Code 8483.60.8000 UNSPC 311628	016114
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Note 1 Performance ratings are for guidance only. The user must determine suitability for	or a particular application.
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Installation Instructions

- 1. Use the MSP-48-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 6.0 mm hex wrench until a slight resistance is felt.
- 5. Be sure to maintain the gap of 3.18 mm 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 23 Nm using a 6.0 mm torque wrench.