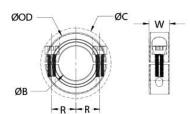




## **MSP-11-SS**

Ruland MSP-11-SS, 11mm Two-Piece Shaft Collar, 303 Stainless Steel, Clamp Style, 28mm OD, 11mm Width





## **Description**

Ruland MSP-11-SS is a two-piece shaft collar with a 11mm bore, 28mm OD, and 11mm 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-11-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-11-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-11-SS is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

**Product Specifications** 

Bore (B)11 mmBore Tolerance+0.050 mm / +0.012Outer Diameter (OD)28 mmClearance Diameter (C) MAX32.0 mmWidth (W)11 mmWidth Tolerance+0.076 mm / -0.254 mmRecommended Gap1.59 mmRecommended Shaft Tolerance+0.000 mm / -0.013 mmForged Clamp ScrewM4 x 12Screw Material18-8 300 Series StainHex Wrench Size3.0 mmScrew FinishBrightSeating Torque2.5 NmScrew Location (R)10.01 mmNumber of Screws2 eaMaterial SpecificationType 303 Austenitic, BarFinish SpecificationBright, No PlatingManufacturerRuland ManufacturinCountry of OriginUSATemperature-40°F to 350°F (-40°C)Weight (Ibs)0.090200UPC634529015278Tariff Code8483.60.8000UNSPC31162811Note 1Performance ratings are for guidance only. The user must determine suitability for a particularProp 65WARNING This product can expose you to the chemical Nickel (metallic), known to the State	
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Pron 65  AWARNING This product can expose you to the chemical Nickel (metallic), known to the Sta	application.
to cause cancer. For more information go to <a href="https://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .	te of California

## Installation Instructions

- 1. Use the MSP-11-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 3.0 mm hex wrench until a slight resistance is felt.
- 5. Be sure to maintain the gap of 1.59 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 2.5 Nm using a 3.0 mm torque wrench.