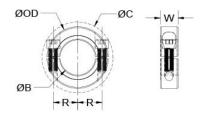




SP-45-A

Ruland SP-45-A, 2 13/16" Two-Piece Shaft Collar, Aluminum, Clamp Style, 4 1/4" OD, 0.875" Width





Description

Ruland SP-45-A is a two-piece shaft collar with a 2.8125" bore, 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. It 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. SP-45-A is stamped with the Ruland name and bore size for ease of identification. Halves are mated throughout the manufactured from solid bar stock sourced from select North American mills and machined to a fine burr free finish. Ruland uses high grade 2024 aluminum for increased screw seating torque. SP-45-A is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Outer Diameter (OD)4 1/4 inClearance Diameter (C) MAX4.499 inWidth (W)0.875 inWidth Tolerance+0.003 in /Recommended Gap0.125 inRecommended Shaft Tolerance+0.0000 inForged Clamp Screw3/8-24Screw MaterialAlloy SteeHex Wrench Size5/16 inScrew FinishBlack OxidSeating Torque570 lb-inScrew Location (R)1.813 inNumber of Screws2 eaMaterial Specification2024-T354Finish SpecificationBright, No PlatingManufacturerRuland Material Specification	
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Weight (lbs) 0.706300 UPC 63452902	anufacturing
	25°F (-40°C to 107°C)
Tariff Code 8483.60.8000 UNSPC 31162811	1521
Note 1 Performance ratings are for guidance only. The user must determine suitability for a	particular application.
Prop 65 MWARNING This product can expose you to the chemical Ethylene Thiourea, kno California to cause cancer and birth defects or other reproductive harm. For more in	

Installation Instructions

- 1. Use the SP-45-A two-piece shaft collar as it is received.
- 2. Wipe the bore clean.

www.P65Warnings.ca.gov.

- 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 570 lb-in using a 5/16 in torque wrench.