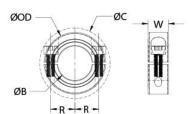




## **MSP-34-A**

Ruland MSP-34-A, 34mm Two-Piece Shaft Collar, Aluminum, Clamp Style, 57mm OD, 15mm Width





## **Description**

Ruland MSP-34-A is a two-piece shaft collar with a 34mm bore, 57mm OD, and 15mm 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-34-A 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-34-A is 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. MSP-34-A is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

**Product Specifications** 

34 mm	Bore Tolerance	+0.050 mm / +0.012 mm
57 mm	Clearance Diameter (C) MAX	62.4 mm
15 mm	Width Tolerance	+0.076 mm / -0.254 mm
1.59 mm	Recommended Shaft Tolerance	+0.000 mm / -0.013 mm
M6 x 18	Screw Material	Alloy Steel
5.0 mm	Screw Finish	Black Oxide
16 Nm	Screw Location (R)	23.24 mm
2 ea	Material Specification	2024-T351 Aluminum Bar
Bright, No Plating	Manufacturer	Ruland Manufacturing
USA	Temperature	-40°F to 225°F (-40°C to 107°C)
0.155100	UPC	634529015858
8483.60.8000	UNSPC	31162811
Performance ratings are for guidance only. The user must determine suitability for a particular application.		
	57 mm 15 mm 1.59 mm M6 x 18 5.0 mm 16 Nm 2 ea Bright, No Plating USA 0.155100 3483.60.8000	Clearance Diameter (C) MAX  Width Tolerance  1.59 mm  Recommended Shaft Tolerance  M6 x 18  Screw Material  5.0 mm  Screw Finish  16 Nm  Screw Location (R)  Paragraphy and Serial Specification  Bright, No Plating  Wanufacturer  USA  Temperature  UPC  3483.60.8000  UNSPC

▲WARNING This product can expose you to the chemical Ethylene Thiourea, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="https://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.

## Installation Instructions

Prop 65

- 1. Use the MSP-34-A 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 5.0 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 16 Nm using a 5.0 mm torque wrench.