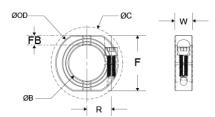




OF-MCL-40-A

Ruland OF-MCL-40-A, 40mm Shaft Collar With OD Flats And Holes, 2024 Aluminum, One-Piece Clamp Style, 60mm OD, 15mm Width





Description

Ruland OF-MCL-40-A is a one-piece shaft collar with a 40mm bore, 60mm OD, and 15mm width. It has OD flats and tapped holes for mounting shaft collars to each other or adjacent components. The clamp style design does not mar the shaft, is easy to remove, and is indefinitely adjustable. OF-MCL-40-A is commonly used for guiding, spacing, stopping, mounting, and component alignment. Equipment manufacturers benefit from the tightly controlled face to bore perpendicularity (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. OF-MCL-40-A is stamped with the Ruland name and bore size for ease of identification. Forged screws test beyond DIN 912 12.9 standards to ensure maximum holding power. OF-MCL-40-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. OF-MCL-40-A is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

40 mm	Bore Tolerance	+0.050 mm / +0.012 mm
60 mm	Clearance Diameter (C) MAX	65.6 mm
15 mm	Width Tolerance	+0.076 mm / -0.254 mm
M6	Distance Across Flats (F)	55 mm
7.5 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)	24.99 mm
1 ea	Material Specification	2024-T351 Aluminum Bar
-40°F to 225°F (-40°C to 107°C)	Finish Specification	Bright, No Plating
Ruland Manufacturing	Country of Origin	USA
0.136200	UPC	634529220924
8483.60.8000	UNSPC	31162811
Performance ratings are for guidance only. The user must determine suitability for a particular application.		
Additional mounting hardware not included.		
No backslot		
▲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		
	60 mm 15 mm M6 7.5 mm M6 x 18 5.0 mm 16 Nm 1 ea -40°F to 225°F (-40°C to 107°C) Ruland Manufacturing 0.136200 8483.60.8000 Performance ratings are for guidan Additional mounting hardware not in No backslot MARNING This product can ex	60 mm Clearance Diameter (C) MAX 15 mm Width Tolerance M6 Distance Across Flats (F) 7.5 mm Recommended Shaft Tolerance M6 x 18 Screw Material 5.0 mm Screw Finish 16 Nm Screw Location (R) 1 ea Material Specification -40°F to 225°F (-40°C to 107°C) Finish Specification Ruland Manufacturing Country of Origin 0.136200 UPC 8483.60.8000 UNSPC Performance ratings are for guidance only. The user must determine su Additional mounting hardware not included. No backslot MARNING This product can expose you to the chemical Ethylene T

Installation Instructions

- 1. Use the OF-MCL-40-A one-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 and tighten it using a 5.0 mm hex wrench until a slight resistance is felt.
- 5. 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.