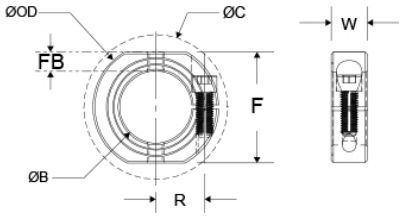
OF-MCL-30-A

Ruland OF-MCL-30-A, 30mm Shaft Collar With OD Flats And Holes, 2024 Aluminum, One-Piece Clamp Style, 54mm OD, 15mm Width





*Additional hardware NOT included

Description

Ruland OF-MCL-30-A is a one-piece shaft collar with a 30mm bore, 54mm 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-30-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-30-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-30-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-30-A is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Bore (B1)	30 mm	**Bore Tolerance**	+0.050 mm / +0.012 mm
Outer Diameter (OD)	54 mm	**Clearance Diameter (C) MAX**	59.2 mm
Width (W)	15 mm	**Width Tolerance**	+0.076 mm / -0.254 mm
Threaded Mounting Hole	M6	**Distance Across Flats (F)**	50 mm
Flat to Bore FB	10 mm	**Recommended Shaft Tolerance**	+0.000 mm / -0.013 mm
Forged Clamp Screw	M6 x 18	**Screw Material**	Alloy Steel
Hex Wrench Size	5.0 mm	**Screw Finish**	Black Oxide
Seating Torque	16 Nm	**Screw Location (R)**	21.49 mm
Number of Screws	1 ea	**Material Specification**	2024-T351 Aluminum Bar
Temperature	-40°F to 225°F (-40°C to 107°C)	**Finish Specification**	Bright, No Plating
Manufacturer	Ruland Manufacturing	**Country of Origin**	USA
Weight (lbs)	0.138700	**UPC**	634529220900
Tariff Code	8483.60.8000	**UNSPC**	31162811
Note 1	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
Note 2	Additional mounting hardware not included.		
Prop 65	⚠**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 www.P65Warnings.ca.gov.		

Installation Instructions

1. Use the OF-MCL-30-A one-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 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.

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Ruland Manufacturing:

FSMR32-13-12-A MCL-4-F MJS25-8-A MOCT57-25-A MQCL-8-A LV-MSP-25-SS MJC57-25-A MRSC25-5-5-A OCT12-4-A ENSP30-12MM-A FHD-MCL-35-AN MRLC16-8-8-A MSP-12-P MSPC-16-16-F MTCL-12-1.75-F MWC30-10-10-SS OF-MSP-20-F ENCL20-6MM-A FHD-MCL-25-F MSP-6-SS MSPX-16-16-F ENSP20-10MM-A FHD-MCL-30-SS MRSC13-5-5-A MSP-22-F MSPX-8-8-F OD36/57-AT MJS33-12-A MOCT19-5-A MSPX-12-12-F