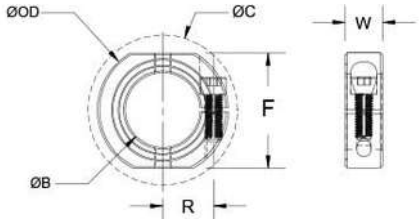
OF-MCL-12-A

Ruland OF-MCL-12-A, 12mm Shaft Collar With OD Flats And Holes, 2024 Aluminum, One-Piece Clamp Style, 28mm OD, 11mm Width





Description

Ruland OF-MCL-12-A is a one-piece shaft collar with 12mm bore, 28mm OD, and 11mm width. OF-MCL-12-A 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-12-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-12-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-12-A is machined from solid bar stock to a fine burr free finish and sourced exclusively from North American mills. Ruland uses high grade 2024 aluminum for increased screw seating torque. It is RoHS2 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Bore B	12 mm	**Bore Tolerance**	+.050 mm / +.012 mm
Outer Diameter OD	28 mm	**Clearance Diameter C MAX**	32.0 mm
Width W	11 mm	**Width Tolerance**	+.076 mm / -.254 mm
Threaded Mounting Hole	M4	**Distance Across Flats**	24 mm
Forged Clamp Screw	M4x12	**Screw Material**	Alloy Steel
Hex Wrench Size	3.0 mm	**Screw Finish**	Black Oxide
Seating Torque	4.6 Nm	**Screw Location R**	10.01 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
Country of Origin	USA	**Weight (lbs.)**	0.0300
Note 1	Additional mounting hardware not included.		