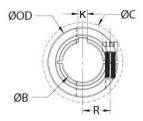
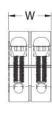




MWCLK-10-F

Ruland MWCLK-10-F, 10mm Double Wide Shaft Collar, Black Oxide Steel, One-Piece Clamp Style with Keyway, 24mm OD, 19.6mm Width







Description

Ruland MWCLK-10-F is a one-piece shaft collar with a 10mm bore, 3mm keyway, 24mm OD, and 19.6mm 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 ? .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. MWCLK-10-F is stamped with the Ruland name and bore size for ease of identification. This double wide shaft collar has 25% higher axial holding power than a round bore of equivalent size. It can also be used as a short rigid coupling for applications where a traditional rigid coupling is too long. Forged screws test beyond DIN 912 12.9 standards to ensure maximum holding power. MWCLK-10-F is machined from solid bar stock to a fine burr free finish and sourced exclusively from North American mills. Ruland uses 1215 lead-free steel with a proprietary black oxide finish that produces a fine glossy finish while increasing holding power and resisting corrosion. It is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

10 mm	Bore Tolerance	+0.050 mm / +0.012 mm
3 mm	Width (W)	19.6 mm
24 mm	Width Tolerance	+0.076 mm / -0.254 mm
26.3 mm	Recommended Shaft Tolerance	+0.000 mm / -0.013 mm
M3	Screw Material	Alloy Steel
2.5 mm	Screw Finish	Black Oxide
2.1 Nm	Screw Location (R)	8.51 mm
2 ea	Material Specification	1215 Carbon Steel Bar
-40°F to 350°F (-40°C to 176°C)	Finish Specification	Hot Process Black Oxide, Impregnated with Naphthenic Oil, Centrifugally Dried
4.263 x 10 ⁻⁶ kg-m ²	Manufacturer	Ruland Manufacturing
USA	Weight (lbs)	0.109900
634529305492	UNSPC	31162811
8483.60.8000		
Performance ratings are for guidance only. The user must determine suitability for a particular application.		
▲WARNING This product can expose you to the chemical Ethylene Thiourea		
	3 mm 24 mm 26.3 mm M3 2.5 mm 2.1 Nm 2 ea -40°F to 350°F (-40°C to 176°C) 4.263 x 10 ⁻⁶ kg-m ² USA 634529305492 8483.60.8000 Performance ratings are for guidar	3 mm Width (W) 24 mm Width Tolerance 26.3 mm Recommended Shaft Tolerance M3 Screw Material 2.5 mm Screw Finish 2.1 Nm Screw Location (R) 2 ea Material Specification -40°F to 350°F (-40°C to 176°C) Finish Specification 4.263 x 10 ⁻⁶ kg-m ² Manufacturer USA Weight (Ibs) 634529305492 UNSPC 8483.60.8000 Performance ratings are for guidance only. The user must determine su

Installation Instructions

- 1. Use the MWCLK-10-F double wide shaft collar as it is received.
- 2. Wipe the bore clean.
- 3. Apply a thin coat of light oil to the shaft.
- 4. Tighten the screws in two stages, starting with the inside screws. Using a torque wrench with 2.5 mm bit, tighten the inside screws to 1.05 Nm which is half the recommended seating torque. Repeat for the outside screws, again tightening to half of the recommended seating torque.
- 5. Tighten the screws to the full recommended seating torque of 2.1 Nm following the same pattern, starting with the inside screws first.