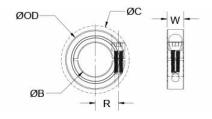




MCL-40-AN

Ruland MCL-40-AN, 40mm One-Piece Shaft Collar, Anodized Aluminum, Clamp Style, 60mm OD, 15mm Width





Description

Ruland MCL-40-AN is a one-piece shaft collar with a 40mm bore, 60mm 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 (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. MCL-40-AN 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. MCL-40-AN 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 with an anodized finish for increased screw seating torque and added corrosion resistance. MCL-40-AN is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

Product Specifications

Outer Diameter (OD)60 mmClearance Diameter (C) MAX65.6 mmWidth (W)15 mmWidth Tolerance+0.076 mm / -0.254 mmRecommended Shaft Tolerance+0.000 mm / -0.013 mmForged Clamp ScrewM6 x 18Screw Material18-8 300 Series Stainless SteelHex Wrench Size5.0 mmScrew FinishBrightSeating Torque9.6 NmScrew Location (R)24.99 mmNumber of Screws1 eaMaterial Specification2024-T351 Aluminum BarFinish SpecificationSulfuric Anodized MIL-A-8625 Type II, Class 2 and ASTM B580 Type B Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSATemperature-40°F to 200°F (-40°C to 93°C)Weight (lbs)0.146100UPC634529114551Tariff Code8483.60.8000UNSPC31162811Note 1Performance ratings are for guidance only. The user must determine suitability for a particular application.Note 2No backslotNo backslot	r rouder opecifications			
Width (W)15 mmWidth Tolerance+0.076 mm / -0.254 mmRecommended Shaft Tolerance+0.000 mm / -0.013 mmForged Clamp ScrewM6 x 18Screw Material18-8 300 Series Stainless SteelHex Wrench Size5.0 mmScrew FinishBrightSeating Torque9.6 NmScrew Location (R)24.99 mmNumber of Screws1 eaMaterial Specification2024-T351 Aluminum BarFinish SpecificationSulfuric Anodized MIL-A-8625 Type II, Class 2 and ASTM B580 Type B Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSATemperature-40°F to 200°F (-40°C to 93°C)Weight (lbs)0.146100UPC634529114551Tariff Code8483.60.8000UNSPC31162811Note 1Performance ratings are for guidance only. The user must determine suitability for a particular application. No backslotNo backslotProp 65MARNING This product can expose you to the chemical Nickel (metallic), known to the State of California	Bore (B1)	40 mm	Bore Tolerance	+0.050 mm / +0.012 mm
Recommended Shaft Tolerance+0.000 mm / -0.013 mmForged Clamp ScrewM6 x 18Screw Material18-8 300 Series Stainless SteelHex Wrench Size5.0 mmScrew FinishBrightSeating Torque9.6 NmScrew Location (R)24.99 mmNumber of Screws1 eaMaterial Specification2024-T351 Aluminum BarFinish SpecificationSulfuric Anodized MIL-A-8625 Type II, Class 2 and ASTM B580 Type BManufacturerRuland ManufacturingCountry of OriginUSATemperature-40°F to 200°F (-40°C to 93°C)Weight (lbs)0.146100UPC634529114551Tariff Code8483.60.8000UNSPC31162811Vertormance ratings are for guidance only. The user must determine suitability for a particular application.Note 1No backslotVertormance ratings are for guidance only. The user must determine suitability for a particular application.Note 2No backslotVertormance ratings product can expose you to the chemical Nickel (metallic), known to the State of California	Outer Diameter (OD)	60 mm	Clearance Diameter (C) MAX	65.6 mm
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UNSPC 31162811 Note 1 Performance ratings are for guidance only. The user must determine suitability for a particular application. Note 2 No backslot Prop 65 AWRNING This product can expose you to the chemical Nickel (metallic), known to the State of California	Temperature	-40°F to 200°F (-40°C to 93°C)	Weight (Ibs)	0.146100
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Note 2 No backslot Prop 65 WARNING This product can expose you to the chemical Nickel (metallic), known to the State of California	UNSPC	31162811		
Prop 65	Note 1	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
	Note 2	No backslot		
	Prop 65	WARNING This product can expose you to the chemical Nickel (metallic), known to the State of California to cause cancer. For more information go to <u>www.P65Warnings.ca.gov</u> .		

Installation Instructions

- 1. Use the MCL-40-AN 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 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. Wring collar into its final position and tighten the screw to the full recommended seating torque of 9.6 Nm using a 5.0 mm torque wrench.