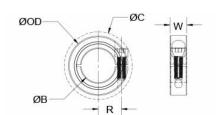




## MCL-10-P

Ruland MCL-10-P, 10mm One-Piece Shaft Collar, Plastic, Clamp Style, 24mm OD, 9mm Width





## **Description**

Ruland MCL-10-P is a one-piece shaft collar with a 10mm bore, 24mm OD, and 9mm 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-10-P 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-10-P is manufactured from solid bar stock sourced from select North American mills and machined to a fine burr free finish. Ruland uses engineered acetal plastic for a consistent finish. MCL-10-P is RoHS3 and REACH compliant and manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

**Product Specifications** 

Outer Diameter (OD)24 mmClearance Diameter (C) MAX26.3 mmWidth (W)9 mmWidth Tolerance+0.076 mm / -0.254 mmRecommended Shaft Tolerance+0.000 mm / -0.013 mmForged Clamp ScrewM3 x 10Screw Material18-8 300 Series Stainless SteelHex Wrench Size2.5 mmScrew FinishBrightSeating Torque0.5 NmScrew Location (R)8.51 mmNumber of Screws1 eaMaterial SpecificationAcetal BarFinish SpecificationPlainManufacturerRuland ManufacturingCountry of OriginUSATemperature-10°F to 185°F (-23°C to 85°C)Weight (Ibs)0.011300UPC634529077757Tariff Code8483.60.8000UNSPC31162811Note 1Performance ratings are for guidance only. The user must determine suitability for a particular application.Note 2No backslot	i roduct opecifications			
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Recommended Shaft Tolerance +0.000 mm / -0.013 mm Forged Clamp Screw M3 x 10  Screw Material 18-8 300 Series Stainless Steel Hex Wrench Size 2.5 mm  Screw Finish Bright Seating Torque 0.5 Nm  Screw Location (R) 8.51 mm Number of Screws 1 ea  Material Specification Acetal Bar Finish Specification Plain  Manufacturer Ruland Manufacturing Country of Origin USA  Temperature -10°F to 185°F (-23°C to 85°C) Weight (lbs) 0.011300  UPC 634529077757 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 No backslot  Prop 65	Outer Diameter (OD)	24 mm	Clearance Diameter (C) MAX	26.3 mm
Screw Material18-8 300 Series Stainless SteelHex Wrench Size2.5 mmScrew FinishBrightSeating Torque0.5 NmScrew Location (R)8.51 mmNumber of Screws1 eaMaterial SpecificationAcetal BarFinish SpecificationPlainManufacturerRuland ManufacturingCountry of OriginUSATemperature-10°F to 185°F (-23°C to 85°C)Weight (lbs)0.011300UPC634529077757Tariff Code8483.60.8000UNSPC31162811Note 1Performance ratings are for guidance only. The user must determine suitability for a particular application.Note 2No backslotProp 65▲WARNING This product can expose you to chemicals including Nickel (metallic) and Formaldehyde,	Width (W)	9 mm	Width Tolerance	+0.076 mm / -0.254 mm
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ManufacturerRuland ManufacturingCountry of OriginUSATemperature-10°F to 185°F (-23°C to 85°C)Weight (lbs)0.011300UPC634529077757Tariff Code8483.60.8000UNSPC31162811Note 1Performance ratings are for guidance only. The user must determine suitability for a particular application.Note 2No backslotProp 65▲WARNING This product can expose you to chemicals including Nickel (metallic) and Formaldehyde,	Screw Location (R)	8.51 mm	Number of Screws	1 ea
Temperature -10°F to 185°F (-23°C to 85°C) Weight (lbs) 0.011300 UPC 634529077757 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 No backslot Prop 65  ■WARNING This product can expose you to chemicals including Nickel (metallic) and Formaldehyde,	Material Specification	Acetal Bar	Finish Specification	Plain
UPC 634529077757 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 No backslot  Prop 65 ▲WARNING This product can expose you to chemicals including Nickel (metallic) and Formaldehyde,	Manufacturer	Ruland Manufacturing	Country of Origin	USA
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Note 2 No backslot  Prop 65	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			

## Installation Instructions

- 1. Use the MCL-10-P 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 2.5 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 0.5 Nm using a 2.5 mm torque wrench.