

**New from Ruland:
Mountable shaft collars**

Marlborough, Massachusetts, USA, January 2018. Ruland has released a new line of mountable shaft collars with flats and tapped holes or tapped holes only in the outer diameter, allowing for easy mounting of shaft collars to each other or adjacent assemblies. Clamp style designs are used allowing for benefits such as not marring the shaft, indefinite adjustability, and high holding power.

Ruland mountable shaft collars can be used in a wide variety of applications. In application with perpendicular shafts designers can mount or stack the shaft collars to each other. The additional hardware can be removed, allowing the collars to be welded together or to adjacent components such as hinges. Mountable shaft collars are available with holes only in the outside diameter for mounting sensor brackets or similar components.

Mountable shaft collars can be used for guiding, spacing, stopping, mounting, and component alignment. They possess equivalent holding power to standard shaft collars. Designers benefit from the tightly controlled face to bore perpendicularity of Ruland shaft collars ($TIR \leq 0.002$ inch or 0.05 mm) which is critical when they are used as a load bearing face or for component alignment. Ruland identifies this work surface with one or two circular grooves on the face of the shaft collar to assist in installation.

Clamp shaft collars distribute compressive forces evenly around the shaft for a tight fit and significantly increased holding power when compared to set screw collars. This design is especially useful for designs with high impact loads or components that are frequently repositioned. Two-piece shaft collars offer increased holding power, in-place servicing, and are mated throughout the manufacturing process for proper fit and alignment. The Ruland name and bore size are stamped on every shaft collar for ease of identification.

Ruland manufactures mountable shaft collars from high-strength 2024 aluminium, 1215 lead-free steel, and 303 stainless steel in bore sizes ranging from 3/8 inch to 2 inches and 10 mm to 40 mm. This diverse range of sizes and materials allows designers to match shaft collars to

application needs. Ruland uses fastening hardware that tests beyond industry standards for maximum torque capabilities and holding power. All Ruland shaft collars are made from bar stock sourced from select North American mills and carefully manufactured in Ruland's factory in Marlborough, Massachusetts, under strict controls using proprietary processes. 3D CAD files, full product specifications, and additional technical information are available at www.ruland.com.

Summary:

- Mountable shaft collars give designers more flexibility to use off the shelf components for custom applications
- Tightly controlled face to bore perpendicularity for proper alignment of mating components
- Two-piece styles are mated throughout the manufacturing process for proper fit and alignment
- Fastening hardware performs above industry standards for maximum torque capabilities and holding power
- RoHS2 and REACH compliant
- Carefully made in Ruland's factory in Marlborough, Massachusetts, USA, and available for immediate delivery

Product link:

[Mountable Shaft Collars](#)

Picture:

Mountable shaft collar in black oxide steel, designed to mount to other shaft collars or adjacent components such as sensors.





Press release

Company information:

Ruland Manufacturing Co., Inc. was established in 1937 as a manufacturer of precision components. Ruland's focus for the past 40 years has been on high performing shaft collars and couplings. All Ruland products are made in its Marlborough Massachusetts factory. The complete line of products includes shaft collars and rigid couplings, and a full line of motion control couplings: beam couplings, bellows couplings, oldham couplings, miniature disc couplings and zero backlash jaw couplings.

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TPR International would be grateful for a copy of the publication with this article.