

**New from Ruland:
Quick clamping shaft collars with clamping lever**

Marlborough, Massachusetts, USA, September 2019. Ruland now supplies quick clamping shaft collars with clamping levers. These adjustable levers mate a Ruland metric and international series inch shaft collar to a specially designed clamping lever, creating a shaft collar that requires no tools to install, remove, or reposition.

Once the lever is installed, users can simply turn it until they meet their desired torque. For fine adjustments, the lever must be lifted and twisted 40 degrees to lock it in a new position. This feature has the added benefit of allowing the lever to be used in space constrained applications where 360 degree motion is not possible. Quick clamping shaft collars with clamping lever are significantly faster to adjust than collars with standard hardware, making them ideally suited for packaging, printing and other applications where frequent set-up changes and adjustments are needed.

Quick clamping shaft collars with clamping lever can be used for guiding, spacing, stopping, mounting and component alignment. They have reduced holding power when compared to standard shaft collars as it is not possible to precisely control seating torque. Designers benefit from the tightly controlled face to bore perpendicularity of Ruland shaft collars (TIR \leq 0.05 mm or 0.002 inch) 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.

Ruland manufactures shaft collars from high-strength 2024 aluminum, 1215 lead-free steel with a proprietary black oxide finish, and 303 and 316 stainless steel. Quick clamping shaft collars with clamping levers are available in sizes ranging from 11 mm to 40 mm (7/16 inch to 1-1/2 inches). Shaft collars are manufactured in Ruland's Marlborough, Massachusetts factory under strict controls using proprietary processes. Levers are sourced from JW Winco and have a stainless steel threaded stud (M4-M6) that is used to replace standard collar hardware. All components in these shaft collars are RoHS3 and REACH compliant.

With this addition, Ruland now offers two styles of quick clamping shaft collars – with clamping lever and with cam lever. These options give machine designers unmatched flexibility to use standard components when designing a system that requires frequent and/or rapid change-outs. Full product specifications and 3D CAD models are available on ruland.com.

Summary:

- No tools required to install, remove or reposition
- Easily allows for rapid and frequent change-outs
- Ruland shaft collars have tightly controlled face to bore perpendicularity
- Users can use a 40 degree turn to ratchet the lever in confined spaces
- RoHS3 and REACH compliant
- Large inventory, same day shipping

Technical video:

What quick clamping shaft collar is best for an axial load application?

<https://www.ruland.com/technical-resources/technical-video/collar-coupling-corner/info-quick-clamp-axial-load>

Direct link to product:

Ruland shaft collars with clamping levers

<https://www.ruland.com/shaft-collars/quick-clamping-shaft-collar/collar-with-clamping-lever.html>

Pictures:

Pic 1: Ruland quick clamping shaft collar with clamping lever. The adjustable lever with built-in threaded stud can be used to quickly clamp, release and adjust shaft collars with no tools



Picture 2: Lever for Ruland clamping shaft collar with clamping lever



About Ruland:

Ruland Manufacturing Co., Inc. is a privately owned company founded in 1937. We have carefully and responsibly manufactured high performing shaft collars, rigid couplings, and motion control couplings for the past 40 years and begun distributing machine components from carefully selected suppliers.

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