

New from Ruland: Thin Line Shaft Collars



Thin line shaft collars are ideal for applications with space and weight restrictions. They are available with bore sizes ranging from 3/16" (5mm) to 1-1/2" (40mm).

Thin line shaft collars from Ruland deliver high holding power in a more compact design than traditional shaft collars and are suitable for a variety of light and medium duty applications. Most bore sizes are available with different outer diameter and width dimensions and screw sizes allowing the user to match space restrictions and holding power with their application requirements. Thin line shaft collars have tightly controlled face to bore perpendicularity, TIR of $<.002"$ (.05mm), for proper alignment of mating components.

Ruland offers thin line shaft collars in one- and two-piece clamp styles. Clamp style shaft collars have high holding power, allow for simple positioning adjustments and do not mar the shaft. Two-piece styles are balanced for better performance in high RPM applications. Halves are mated together throughout the manufacturing process for proper fit and alignment.

Thin line shaft collars are available in high strength type 2024 aluminum and 303 stainless steel for added corrosion resistance. Materials are sourced from select North American mills to ensure product consistency. Clamping hardware tests to or beyond DIN 912 12.9 standards for maximum torque capabilities. Thin line shaft collars are offered with bore sizes ranging from 3/16" to 1-1/2" and 5mm to 40mm. Custom bore sizes and geometry, mounting holes, and inch hardware are available as special designs.

Have an application with outer diameter, width, or weight limitations? Ruland thin line shaft collars are designed for applications with these restrictions in industries such as packaging, printing, medical, and food, they are particularly suitable for split hub componentry such as encoders. Two-piece styles have a balanced design for higher RPM applications.



Two-piece styles are balanced for increased performance in rotating applications commonly found in encoders and gearboxes.

Why Ruland Thin Line Shaft Collars?

- Ideal for applications with outer diameter, width, or weight restrictions
- Tightly controlled face to bore perpendicularity ensures proper alignment of mating components
- Two-piece styles are balanced for better performance in high RPM applications
- Materials are sourced from North American mills
- RoHS2 and REACH compliant
- Carefully made in our Marlborough, Massachusetts factory and available for immediate delivery

Shaft Collar

Superior fit, finish, and holding power
Precise face/bore perpendicularity for proper alignment
Steel, aluminum, plastic, 303 & 316 stainless steel



Quick Clamping Shaft Collar

Designed for quick set up and easy repositioning
Innovative clamp design requires no tools
Light weight anodized aluminum



Rigid Coupling

Nypatch® anti-vibration hardware
Precision honed bores for proper fit and alignment
1 and 2 piece styles with or without keyway



Bellows Coupling

Zero-backlash, aluminum hubs for low inertia
Stainless steel bellows for high torsional stiffness
Balanced design for speeds up to 10,000 RPM



Beam Coupling

Zero-backlash, suitable for all types of misalignment
Multiple beams for improved torsional rigidity and torque
Available in aluminum and stainless steel



Oldham Coupling

Zero-backlash, low bearing loads, low inertia
Good overall performance, electrically isolating
High parallel misalignment capability



Jaw Coupling

Zero-backlash, dampens impulse loads
Elastomer element in choice of 3 durometers
Easily combine inch to metric and keyed to keyless



Disc Coupling

Zero-backlash, high torsional stiffness
Single disc style for compact installations
Double disc style for high misalignment

