Solutions from Ruland:
Shaft Collars for Marine and Subsea Applications

Ruland shaft collars are available in a wide variety of sizes, style and materials to meet the varying needs of marine applications.

Need a shaft collar with corrosion resistance for a marine application? Ruland offers 303 and 316 stainless steel shaft collars to meet the demanding needs of marine applications such as AUVs, ROVs, seismic activity detection, tidal power, oceanographic monitoring, and deep sea drilling.

Shaft collars from Ruland are machined to a fine surface finish free of imperfections that lead to premature corrosion and failure.

Marine and subsea applications require shaft collars that can withstand the harsh ocean environment. Type 303 stainless steel is best suited for above water applications where the shaft collar can be regularly cleaned while 316 stainless steel is best suited for subsea applications that require high levels of corrosion resistance. Ruland shaft collars are machined to a fine surface finish free of pits and other major imperfections that can lead to premature corrosion and failure. All material is sourced from carefully selected North American mills.

Ruland offers 303 and 316 stainless steel shaft collars in one- and two-piece clamp styles with bore sizes ranging from 1/8" (3mm) to 3" (80mm). Clamp style shaft collars have high holding power, do not mar the shaft, and allow for simple positioning adjustments. Ruland shaft collars have tightly controlled face to bore perpendicularity of TIR <0.002" (0.05mm). They are stamped with the Ruland name and bore size for ease of identification. Two-piece styles are mated throughout the manufacturing process to ensure proper fit and alignment. Both 303 and 316 stainless steel shaft collars from Ruland are supplied with hardware of like material for consistent corrosion resistance.

The complete range of Ruland shaft collars include one- and two-piece clamp styles with smooth or threaded bores in 1215 lead free steel, 303 stainless steel, 316 stainless steel, 2024 aluminum, zinc plated steel, and engineered plastic.

Why Ruland Shaft Collars?

- Shaft collars are supplied with hardware of like material for consistent corrosion resistance
- Tightly controlled face to bore perpendicularity
- Machined to a smooth fine finish
- Widest variety of sizes, materials, and styles to suit application requirements
- RoHS2 and REACH compliant
- Carefully made in our Marlborough, MA factory and available for immediate delivery

www.ruland.com

RULAND
Carefully Made Shaft Collars and Couplings

RULAND

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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