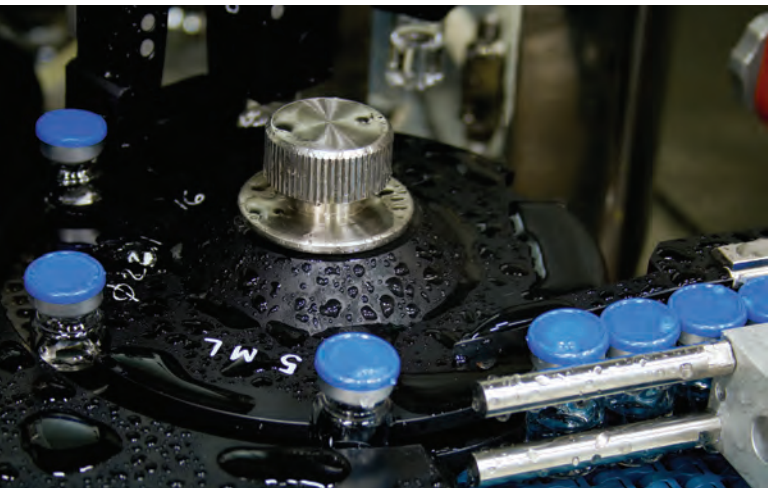
Solutions from Ruland:
Hygienic Shaft Collars for Medical Equipment



Ruland shaft collars are available in a wide variety of sizes, styles, and materials to meet the differing needs of hygienic applications.

Need a hygienic shaft collar that helps protect medical equipment from excess bacteria buildup? Ruland offers 303 and 316 stainless steel shaft collars as well as patent pending washdown shaft collars to meet the varying levels of bacteria protection necessary in medical equipment such as cell and blood analyzers, microscopy, chromatography, pipetting, diagnostic imaging and patient positioning.

Sanitizing medical equipment may require regular use of chemical cleaning solutions, hot water, and steam sanitizing to reduce the risk of microscopic contaminants. Ruland offers shaft collars for such hygienic applications in a wide variety of sizes, styles, and materials. Ruland 303 stainless steel shaft collars are most commonly used as they offer good corrosion resistance, are economical, and have overall high performance characteristics. For environments that use highly corrosive acids to control bacterial contamination Ruland offers 316 stainless steel shaft collars. Ruland supplies both 303 and 316 stainless steel shaft collars with hardware of like material for consistent corrosion resistance.

Washdown shaft collars from Ruland are a patent pending design that offers the highest level of protection against bacteria buildup. They are a three-piece assembly that protects equipment from hot spots such as saw cuts, screw pockets, and surface imperfections found on traditional shaft collars that may allow for the growth and spread of bacteria. The smooth uninterrupted surface is easy to clean and may be a safer alternative to traditional shaft collars. Washdown shaft collars are pending an IP69K rating against the ingress of dust and water at 80°C and 8 to 10 MPa of pressure.

Shaft collars from 303 and 316 stainless steel are available in one- and two-piece clamp styles with bore sizes ranging from 1/8" (3mm) to 6" (150mm). Washdown shaft collars have bores from 1/4" (6mm) to 1" (25mm). All Ruland shaft collars are manufactured in its Marlborough, MA factory and are RoHS2 and REACH compliant.

Washdown shaft collars offer the highest level of protection against system contamination while 303 and 316 stainless steel have corrosion resistant properties.

Why Ruland Shaft Collars?

- Wide variety of options to suit application requirements
- 303 and 316 stainless steel offer corrosion resistance and high holding power
- Washdown shaft collars are designed to protect against the growth and spread of bacteria
- 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

Carefully Made Shaft Collars and Couplings

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