

# New from Ruland: Hygienic Clamping Assembly



*Hygienic clamping assemblies make equipment easier to clean and protect against harmful bacteria.*

Ruland has developed a new hygienic clamping assembly to help protect equipment from bacteria buildup. Hygienic clamping assemblies feature a patent pending assembly containing a type 303 stainless steel shaft collar, a two-piece housing made from FDA compliant materials, and three O-rings with NSF H1 registered lubricant. Hygienic applications in the food processing, packaging, and medical industries benefit from the reduced risk of bacterial contamination.

Traditional shaft collars have hot spots such as saw cuts, screw pockets, and surface imperfections where bacteria can grow and spread within the system. These spots are difficult to clean and not always accessible. Hygienic clamping assemblies eliminate these hot spots and provide a smooth uninterrupted surface for easy cleaning, making them a safer alternative to standard collars.

Hygienic clamping assemblies can be used as an interchange for traditional shaft collars that are being used as guides, spacers, clamping devices, and hard stops. They offer holding power similar to clamp style shaft collars and allow for simple adjustments without marring the shaft. Ruland's exclusive design is pending an IP69K rating against the ingress of dust and water up to 80°C and 8 to 10 MPa of pressure. Hygienic clamping assemblies are supplied with a zinc-plated forged alloy screw for maximum holding power and are available for shaft sizes ranging from 1/4" to 1" or 6mm to 25mm.

Need to use a shaft collar on food processing, medical, or other equipment that requires high pressure cleaning? Ruland's patent pending hygienic clamping assembly functions like a clamp-style collar while its smooth, water tight surface protects against bacteria growth.



*Hygienic clamping assemblies are available with bore sizes from 1/4" to 1" and 6mm to 25mm.*

## Why Ruland Hygienic Clamping Assemblies?

- Protects against particles that promote bacteria growth
- Easy to clean - NSF/FDA compliant materials
- IP69K rating pending
- Superior fit, finish, and holding power
- RoHS2 and REACH compliant
- Carefully made in our Marlborough, MA 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

