

Clamp Style Shaft Collars for Food Equipment

Ruland manufactures clamp style shaft collars with high holding power, fine finishes, and precise face to bore perpendicularity. They are commonly used for guiding, spacing, stopping, mounting, and component alignment on food processing, packaging, and handling equipment.

Food equipment manufacturers benefit from the tightly controlled face to bore perpendicularity of Ruland shaft collars (TIR of $\leq .002"$ or .05mm), which is critical when they are used as a load bearing face or for aligning components such as bearings or gears. All Ruland shaft collars are machined to a fine burr free finish that reduces places for bacteria to be trapped and complements or enhances the appearance of food processing equipment. They are manufactured from solid bar stock that is sourced exclusively from North American mills.

Clamp style shaft collars do not mar the shaft, have high holding power, and allow for simple positioning adjustments. They distribute compressive forces evenly around the shaft for a tight fit and improved holding power when compared to set screw collars. Two-piece styles offer in-place installation and disassembly, increased holding power, and are mated throughout the manufacturing to ensure proper fit and alignment. The Ruland name and bore size are stamped on every shaft collar for ease of identification.

Ruland shaft collars are supplied with fastening hardware that tests beyond industry standards for maximum torque capabilities and holding power. Shaft collars made from 303 and 316 stainless steel utilize hardware of like material for consistent corrosion resistance and to meet regulatory standards. All stainless steel hardware undergoes an in-house surface treatment process to prevent galling. Delrin or plastic shaft collars can be used as a cost effective alternative to stainless steel at the expense of performance. They are supplied with stainless steel hardware for corrosion resistance.

Patented hygienic clamping assemblies eliminate traditional shaft collar hot spots such as screw pockets, saw cuts, and surface imperfections where bacteria can buildup and transfer into the system. They are designed for corrosive high pressure washdown environments and provide a

smooth uninterrupted surface for easy cleaning, making them a more hygienic alternative to standard shaft collars.

Established in 1937, Ruland focuses on the design and manufacture of high performing shaft collars and couplings. All products are carefully manufactured in Ruland's Marlborough, Massachusetts, USA, factory under strict controls using proprietary processes. 3D CAD files, full product specifications and additional technical information are available at www.ruland.com.

Summary:

- Available in 303 or 316 stainless steel with hardware of like material for consistent corrosion resistance.
- Patented hygienic clamping assemblies offer the highest level of system protection from bacterial contaminants.
- Tightly controlled face to bore perpendicularity for proper alignment of mating components.
- Fastening hardware performs above industry standards for maximum torque capabilities and holding power.
- RoHS2 and REACH compliant.
- Carefully made in Ruland's Marlborough, Massachusetts factory and available for immediate delivery.

Link:

<http://www.ruland.com/shaft-collars.asp#about>

Ruland clamp style shaft collars made from stainless steel and from Delrin.



Patented hygienic clamping assemblies have a smooth uninterrupted surface to protect food processing equipment from bacteria buildup and allow for easy cleaning.



Application example: Mozzarella cheese production equipment.



Company information:

Ruland Manufacturing Co., Inc. was established in 1937 as a manufacturer of precision components. Ruland's focus for the past 40 years has been on high performing shaft collars and couplings. All Ruland products are made in its Marlborough Massachusetts factory. The complete line of products includes shaft collars and rigid couplings, and a full line of motion control couplings: beam couplings, bellows couplings, oldham couplings, miniature disc couplings and zero backlash jaw couplings.

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