Press release

Shaft collars for machine tools

Marlborough, Massachusetts, May 2017. To match the varied needs of machine tool manufacturers, Ruland Manufacturing Co., Inc. offers over 2,500 standard shaft collars. Machine tool manufacturers require round bore, threaded, and bearing locknut type shaft collars to meet the diverse needs of mills, lathes, bar feeders, coilers and other CNC controlled equipment. Ruland clamp style shaft collars are manufactured from select materials, have fine finishes, high holding power and precise face to bore perpendicularity, making them ideal for the demands of machine tools.

Clamp style shaft collars can be used for guiding, spacing, stopping, mounting and component alignment. They are superior to set screw shaft collars as they do not mar the shaft, are easy to install and adjust, and have significantly higher holding power. Ruland two-piece clamp style collars can be serviced in-place, offer increased holding power, and are mated throughout the manufacturing process for proper fit and alignment. Machine tool manufacturers benefit from the tightly controlled face to bore perpendicularity of Ruland shaft collars (TIR ≤ 0.002 inch or 0.05 mm), which is critical when they are used as a load bearing face or for aligning components such as bearings or gears. Ruland identifies this work surface with one or two circular grooves on the face of the shaft collar to assist in installation and design.

Threaded shaft collars and clamp type bearing locknuts are common on lathes, mills and other equipment that require higher axial holding power. Ruland manufactures them with double tapped burr-free threads, allowing for smooth installation and removal, proper fit and extended shaft life. Bearing locknuts are designed to fit AFBMA standard shafting and utilize a clamp style design for high holding power. They have more precise face to bore perpendicularity of (TIR ≤ 0.0005 inch) to accommodate the needs of high precision spindle bearings.

Ruland shaft collars are made from bar stock sourced from select North American mills and carefully manufactured in Ruland's factory in Marlborough, Massachusetts, using proprietary processes and under strict controls. Fastening hardware tests beyond industry standards for maximum torque capabilities and holding power. The Ruland name and bore size are stamped

on every shaft collar for ease of identification. 3D CAD files, full product specifications and additional technical information are available at www.ruland.com.

Link:

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

Summary:

- Clamp type bearing locknuts conform to AFBMA standards
- Tightly controlled face to bore perpendicularity for proper alignment of mating components
- Two-piece styles are mated throughout the manufacturing process for proper fit and alignment
- Fastening hardware performs above industry standards for maximum torque capabilities and holding power
- RoHS2 and REACH compliant
- Carefully made in Ruland's factory in Marlborough, Massachusetts, and available for immediate delivery

Picture:

Selection of Ruland shaft collars. Ruland manufactures over 2,500 standard shaft collars to match the varied needs of machine tool manufacturers.

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.

Contact:
Ruland Manufacturing Co., Inc.
6 Hayes Memorial Drive
Marlborough, MA 01752, USA
Phone +1 508 485 1000
Fax +1 508 485 9000
E-Mail marketing@ruland.com
Internet www.ruland.com

PR contact:
TPR International
Christiane Tupac-Yupanqui
PO Box 11 40
D-82133 Olching, Germany
Phone +49 8142 44 82 301
E-Mail c.tupac@tradepressrelations.com
Internet www.tradepressrelations.com

TPR International would be grateful for a copy of the publication with this article.