

New from Ruland:
Clamp style universal joints

Marlborough, Massachusetts, September 2023. Ruland Manufacturing Co., Inc., a global leader in clamp technology, announced the launch of clamp style universal joints, an innovative product offering designers a standard, off-the-shelf solution that eliminates common issues associated with set screw or pin options.

The new clamp style universal joints promise easy installation, adjustability, and suitability for all shaft types. Universal joints are traditionally supplied with set screws to affix directly to the shaft or plain bores to be pinned into the shaft. These attachment methods cause marring on the shaft and burrs that can potentially transfer from the shaft into the system, which may be undesirable when the universal joint is used in food, medical, robotics or other industrial systems.

Clamp style universal joints further the partnership between Ruland and Belden Universal, which supplies Ruland with the base universal joint. Ruland is known for having the highest-performing clamping technology in its shaft collars, rigid couplings, and motion control couplings. Belden is recognized as the performance leader in the universal joint market due to their manufacturing processes that include precision-machining, selective heat-treating, and utilizing ground components for tighter tolerances, better performance, and longer lifespan. "We are a leading clamp technology manufacturer," says Bill Hewitson, president of Ruland. "This latest addition to our universal joint product line expands our reach in cutting-edge medical, semiconductor, and robotics industries. Our world-class design, manufacturing, and unmatched customer service commitment ensure customers get the highest-performing clamp style universal joints in two weeks or less."

The new clamp-style universal joints come with Ruland's unique Nypatch anti-vibration hardware, preventing screws from loosening or backing out during operation. Nypatch is a proprietary process that involves depositing a 360-degree coating of Nylon on several threads of the socket head-cap screws. The universal joints can be combined with a boot to protect the

joint from contaminants in the operating environment. The boot can be packed with grease for infinite life, reducing maintenance on the universal joint and leading to more machine uptime. Clamp style universal joints are available in single friction-bearing style with bore sizes from 1/4 inch to 1-1/4 inch in steel for high torque or stainless steel for improved corrosion resistance. Ruland manufactures the clamp feature, bores, and keyways in Ruland's factory in Marlborough, Massachusetts. Belden Universal manufactures the universal joint in their factory in Hillside, Illinois. Clamp style universal joints are available via Ruland's website or through McMaster-Carr.

Summary:

- Clamp style universal joints now available
- Clamp style is an improvement over set screw or pinned types
- Ruland manufactures the clamps, bores, and keyways in-house
- Universal joint is precision machined by Belden Universal
- Inventoried in Ruland's factory in Massachusetts for immediate delivery

Picture:

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Product link:

<https://www.ruland.com/universal-joints/clamp-style.html>

About Ruland:

Ruland Manufacturing Co., Inc. is a privately owned family company founded in 1937. Ruland has carefully and responsibly manufactured high performing shaft collars, rigid couplings, and motion control couplings for the past 40 years. Ruland's product line was recently expanded to include a variety of machine components from select manufacturers that align with Ruland's performance and quality standards.

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