

New from Ruland:
D-series six beam couplings for precision motion control

Marlborough, Massachusetts, USA, February 2026 – Ruland Manufacturing has introduced its new D-series six beam couplings, expanding its beam coupling product line to offer one of the most complete selections of standard beam couplings available for precision motion control applications.

D-series beam couplings feature an expanded bore size range up to 1 in (25 mm), angular misalignment capability up to 7 degrees, and an anodized finish for improved corrosion resistance. The six beam design provides higher torsional stiffness compared to single or four beam couplings while maintaining high misalignment compensation.

Ruland manufactures D-series beam couplings with two sets of three helical cuts with a wide slot, allowing for high axial misalignment. They have the longest size-for-size length in the Ruland beam coupling line, making them ideal for applications with a wide distance between shaft ends.

With the addition of the D-Series, Ruland now offers standard beam coupling solutions suitable for the majority of light- to medium-duty servo and motion control applications. Engineers can select a standard coupling rather than specifying a custom component, simplifying design, qualification, and procurement.

Ruland D-Series beam couplings are carefully manufactured in the USA from meticulously selected 2024-T51 bar stock, using proprietary processes to ensure consistent product quality. They are available in bore sizes from 5/32 in to 1 in or 4 mm to 25 mm. The D-series is ideal for applications such as encoders, positioning systems, robotics, medical devices, and automation equipment, where accuracy and reliability are critical.

Picture:

D-series beam couplings feature high misalignment, an anodized finish, and an expanded bore range.

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.