

Two Series of Zero-Backlash Flexible Beam Couplings

Ruland offers two series' of couplings machined from a single piece of aluminum and feature multiple spiral cuts. The multiple cut design provides higher torsional stiffness and torque capabilities, and greatly reduced wind-up when compared to a commodity type single beam coupling. The multiple spiral cuts also allow the couplings to accommodate angular misalignment, parallel misalignment, and axial motion. The beam couplings are available in aluminum for low inertia or stainless steel for higher torque and added corrosion-resistance. They are available as standard parts in twenty different body sizes with outside diameters ranging from 3/8" (10mm) to 1 1/2" (38mm) and bores from 3/32" (2mm) to 3/4" (19mm).

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