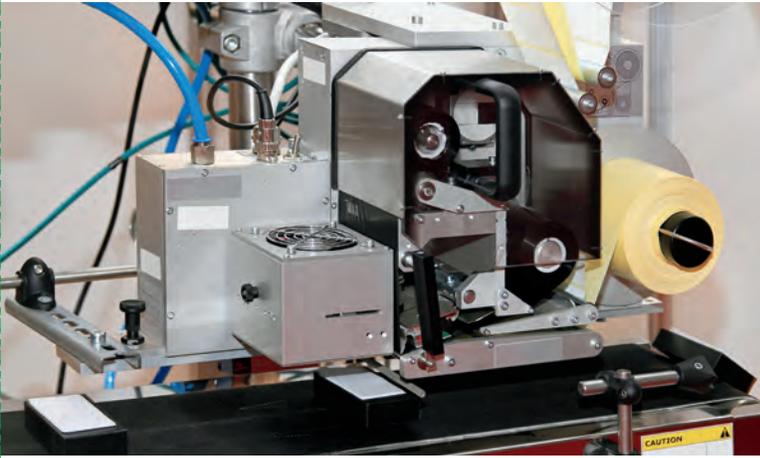


Solutions from Ruland: Rigid Couplings for Packaging Applications



Rigid couplings from Ruland do not introduce misalignment into the system making them ideal for precision servo driven applications as well as shaft to shaft connections.

Ruland rigid couplings are well suited for packaging equipment including case erectors, cartoners, baggers, web converters, FFS, and labelers as they do not introduce misalignment or vibration into the system reducing wear on joined components. Straight bore rigid couplings from Ruland have precision honed bores for better fit, torque transmission, and alignment. The cross cut design accommodates slight deviations in the size of the shafts being connected for proper fit.

Ruland uses the highest grade forged screws that test beyond industry standards for maximum torque capabilities. All Ruland clamp type rigid coupling hardware is supplied with proprietary Nypatch® coating to resist vibration and maintain holding power. Nypatch® provides even seating of the screw, repeated screw installations and prevents galling. This saves a considerable amount of assembly time since screws need no additional treatments. Two-piece styles have opposing hardware for balancing, reduced vibration, and higher speed capabilities.

Rigid couplings are offered in one- and two-piece clamp styles with or without keyways in bore sizes ranging from 1/8" (3mm) to 2" (50mm). Materials are carefully selected from North American mills and include 1215 lead-free steel, high strength 2024 aluminum for low inertia, and 303 stainless steel for corrosion resistance. Ruland uses a proprietary black oxide process on steel couplings that produces a fine glossy finish while increasing holding power and corrosion resistance.

Ruland rigid couplings are ideal for shaft to shaft connections, precise servo driven applications, and motor to gearbox connections commonly found in packaging equipment. They are manufactured with precision honed bores for superior fit, torque transmission, and alignment. Proprietary Nypatch® coating is used on hardware to reduce vibration and maintain holding power.



Ruland rigid couplings are available in a wide variety of sizes, styles, and materials in straight and step bore sizes ranging from 1/8" (3mm) to 2" (50mm).

Why Ruland Rigid Couplings?

- Precision honed bores for superior fit, torque transmission, and alignment
- Proprietary Nypatch® coating on hardware resists vibration and maintains holding power
- Opposing hardware is used on two-piece styles for balancing
- Materials are specified from select North American mills
- RoHS2 and REACH compliant
- Carefully made in our Marlborough, MA factory and available for immediate delivery

Shaft Collar

Superior fit, finish, and holding power
Precise face/bore perpendicularity for proper alignment
Steel, aluminum, plastic, 303 & 316 stainless steel



Quick Clamping Shaft Collar

Designed for quick set up and easy repositioning
Innovative clamp design requires no tools
Light weight anodized aluminum



Rigid Coupling

Nypatch® anti-vibration hardware
Precision honed bores for proper fit and alignment
1 and 2 piece styles with or without keyway



Bellows Coupling

Zero-backlash, aluminum hubs for low inertia
Stainless steel bellows for high torsional stiffness
Balanced design for speeds up to 10,000 RPM



Beam Coupling

Zero-backlash, suitable for all types of misalignment
Multiple beams for improved torsional rigidity and torque
Available in aluminum and stainless steel



Oldham Coupling

Zero-backlash, low bearing loads, low inertia
Good overall performance, electrically isolating
High parallel misalignment capability



Jaw Coupling

Zero-backlash, dampens impulse loads
Elastomer element in choice of 3 durometers
Easily combine inch to metric and keyed to keyless



Disc Coupling

Zero-backlash, high torsional stiffness
Single disc style for compact installations
Double disc style for high misalignment

