

# Power Transmission Engineering

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## Power Transmission Engineering

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## Zero-Max Innovation & Leadership

For over 60 years, Zero-Max, Inc. has created innovative solutions to motion control problems worldwide. With strategic distribution points located throughout the world, Zero-Max can deliver your motion control solution.

The Zero-Max team of application specialists can engineer a solution to meet your motion control requirements. With many years of application experience Zero-Max excels in these areas:

- Experienced Practical Application Advice
- Responsive to customer needs
- Predictable high quality
- Fast Delivery
- Integrity
- High Value
- ISO 9001: 2008 certified
- Configurable 3D CAD downloads

Zero-Max Primary Product lines include: Shaft Couplings and Torque Limiters for Servomotors, Linear Actuators,



Wind Turbines, Printing Presses, Label Printing, Converting Machines, Machine Tools, Test Equipment, Feedback devices, Packaging Machines, Process Equipment, Dynamometers, and other high performance applications.

Variable Speed Mechanical Drives for Agricultural, Printing, Peristaltic Pumps, Food Processing, Pharmaceutical, Packaging, and many other applications.

Overhung Load Adaptors for Timber processing, Brush Clearing, Road Construction, Marine, and other rugged applications that need overhung load protection for hydraulic pumps and motors.

Keyless Locking Bushings for Packaging, Processing, Tooling, Automated Assembly, and applications that would benefit from the unique qualities of these bushings.

## ZERO-MAX

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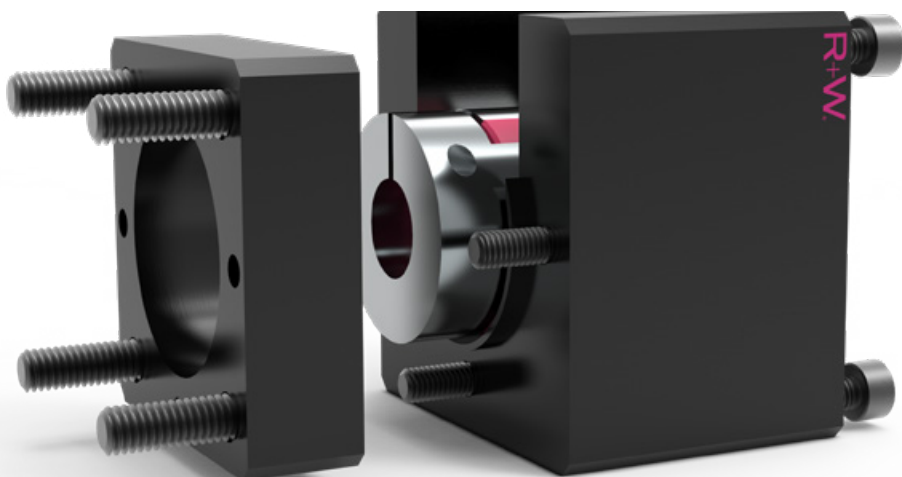
# R+W Coupling Technology

## Reliable Connection Elements

**R+W.** Since 1990 the German-based designer and manufacturer of precision couplings for high performance drive systems has strived to offer the best in standard and custom solutions for the most demanding applications. In addition to having readily available zero backlash coupling models in stock in basic economy configurations, R+W is also constantly engineering unique flexible couplings and torque limiters based on specific customer requirements for extreme speed, torque, stiffness and more. The units deployed by R+W include couplings running at speeds in excess of 150,000 rpm, and ball-detent clutches holding loads of over 20 million Nm. Beyond coupling engineering feats, one of the keys to the success of R+W continues to be its adaptability to customer needs.

Some of the more popular developments

in recent years include the CH series of inline and parallel servo motor mounts for linear actuators, the SCL series of servo-rated disc pack couplings for higher misalignment, and the SL series of precision ball-detent torque limiters, available for quick delivery out of R+W America in Illinois. Customers also benefit from USA-based applications engineering offering easy communication and quick turnaround for special designs. Whether for micromotors or multi-megawatt mill drives, R+W has the coupling solutions for almost any situation.



**R+W**<sup>®</sup>  
A POPPE + POTTHOFF COMPANY

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