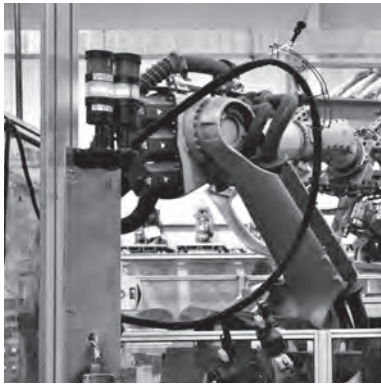


RELIABLE | PRECISE | COMPACT



PRECISION COUPLINGS

EXACT AND BACKLASH FREE FOR PRECISION SERVO AND STEPPER DRIVE APPLICATIONS.



BELLOWS COUPLINGS: THE PERFECTIONISTS

AREAS OF APPLICATION BK

For dynamic precision motion in:

- ▶ machine tools
- ▶ test stands
- ▶ packaging machinery
- ▶ printing machinery
- ▶ paper converting machinery
- ▶ labeling machinery
- ▶ textile machinery
- ▶ sorting machinery
- ▶ automation equipment

AREAS OF APPLICATION MK

For precise transmission of angular motion and torque in:

- ▶ linear actuators
- ▶ semiconductor equipment
- ▶ medical devices
- ▶ lab automation systems
- ▶ micro pumps
- ▶ test and measurement systems



BACKLASH FREE, TORSIONALLY STIFF METAL BELLOWS COUPLINGS
SIZES FROM 2 - 10,000 Nm
BORE DIAMETERS FROM 4 - 180 mm

FEATURES BK

- ▶ high torsional stiffness
- ▶ low moment of inertia
- ▶ zero backlash
- ▶ highly concentric
- ▶ precise transmission
- ▶ infinite life
- ▶ wear and maintenance free
- ▶ easy to install



BACKLASH FREE MINIATURE METAL BELLOWS COUPLINGS
SIZES FROM 0.05 - 10 Nm
BORE DIAMETERS FROM 1 - 28 mm

FEATURES MK

- ▶ zero backlash
- ▶ torsionally stiff
- ▶ precise transmission
- ▶ infinite life
- ▶ easy to install



ELASTOMER COUPLINGS: THE SMOOTH OPERATORS

AREAS OF APPLICATION EK SERVOMAX®

For transmission while absorbing vibration and shock in:

- ▶ packaging machinery
- ▶ pump packages
- ▶ machine tools
- ▶ lift systems
- ▶ conveyors
- ▶ labeling machinery
- ▶ food processing machinery

AREAS OF APPLICATION TX ECOLIGHT®

For corrosion resistant and low cost connections in:

- ▶ small pumps
- ▶ mixers
- ▶ screw conveyors
- ▶ agitators
- ▶ general purpose outdoor applications
- ▶ rolling gate drives



BACKLASH FREE ELASTOMER INSERT COUPLINGS
SIZES FROM 0.5 - 25,000 Nm
BORE DIAMETERS FROM 3 - 170 mm

FEATURES EK SERVOMAX®

- ▶ vibration damping
- ▶ electrically isolating
- ▶ backlash free
- ▶ calibrated preloaded insert
- ▶ concentrically machined hubs



CORROSION RESISTANT PLASTIC-INSERT COUPLINGS
SIZES FROM 0.5 - 810 Nm
BORE DIAMETERS FROM 3 - 45 mm

FEATURES TX ECOLIGHT®

- ▶ high damping
- ▶ rolling insert for angular misalignment
- ▶ corrosion proof
- ▶ low backlash
- ▶ precision molded from high strength plastic



SAFETY COUPLINGS: THE PROTECTORS

For the safety of your drive line.

AREAS OF APPLICATION
SK+SL TORQLIGHT® +ES

For overload protection in:

- ▶ machine tools
- ▶ packaging machinery
- ▶ conveyors and feeders
- ▶ metal forming equipment
- ▶ test stands
- ▶ pump packages
- ▶ assembly systems
- ▶ converting equipment



SK ES

BACKLASH FREE
SAFETY COUPLINGS
SIZES FROM 0.1 - 2,800 Nm
BORE DIAMETERS FROM 3 - 100 mm

FEATURES SK + ES

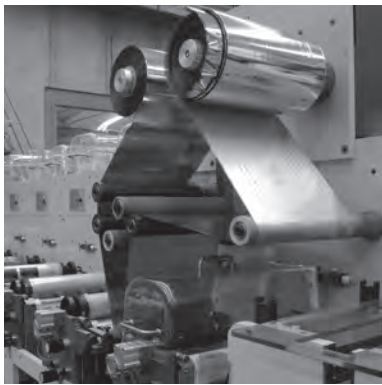
- ▶ protects from load inertia, as well as motor torque
- ▶ precise torque overload protection
- ▶ patented preload for zero backlash
- ▶ compact, simple design
- ▶ low moment of inertia
- ▶ extremely fast disengagement
- ▶ low residual friction after disengagement

SL

BACKLASH FREE
SAFETY COUPLINGS
SIZES FROM 10 - 700 Nm
BORE DIAMETERS FROM 12 - 60 mm

FEATURES SL TORQLIGHT®

- ▶ up to 60% lighter weight than the standard version
- ▶ up to 50% higher torque capacity
- ▶ good dynamic characteristics
- ▶ corrosion resistant



LINE SHAFTS: THE EXTENDERS

AREAS OF APPLICATION ZA

For making long distance connections in:

- ▶ material handling systems
- ▶ printing machinery
- ▶ labeling machinery
- ▶ textile machinery
- ▶ packaging machinery

AREAS OF APPLICATION EZ

For spanning large distances between shafts in:

- ▶ converting equipment
- ▶ lift systems
- ▶ theatre automation
- ▶ gantry systems
- ▶ screw jack systems



ZA

BACKLASH FREE, TORSIONALLY
STIFF LINE SHAFT COUPLINGS
SIZES FROM 10 - 4,000 Nm
BORE DIAMETERS FROM 5 - 100 mm

FEATURES ZA

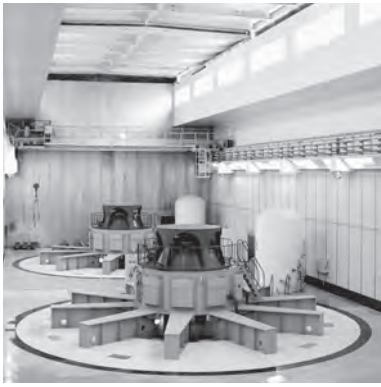
- ▶ installation and removal without disturbing adjacent equipment
- ▶ self-supporting up to 6 meters
- ▶ no intermediate support bearing required

EZ

BACKLASH FREE, VIBRATION DAMPING
LINE SHAFT COUPLINGS
SIZES FROM 9 - 25,000 Nm
BORE DIAMETERS FROM 4 - 140 mm

FEATURES EZ

- ▶ vibration damping
- ▶ easy installation and removal with split clamping hubs
- ▶ self-supporting up to 4 meters
- ▶ no intermediate support bearing required
- ▶ lateral removal of line shaft possible



DISC PACK COUPLINGS: THE ENDURERS

SIZES FROM 350-20,000 Nm

AREAS OF APPLICATION

- ▶ API 610 pump packages
- ▶ steel mill equipment
- ▶ paper processing machinery
- ▶ test stands
- ▶ generators
- ▶ bulk material handling systems
- ▶ centrifuges
- ▶ cooling tower drives
- ▶ compressors

OTHER R+W COUPLINGS

Aside from the products detailed in this catalog, we also offer quality shaft couplings and torque limiters for high powered industrial drives.

More information on these can be found in our
▶ **industrial couplings catalog.**



LP1

FEATURES LP1

With keyway connection for direct drives.

- ▶ very high torsional stiffness
- ▶ single flex design
- ▶ compact layout
- ▶ compensates for axial and angular misalignment
- ▶ precise transmission of angular motion and torque



LP2

FEATURES LP2

With keyway connection for direct drives.

- ▶ high torsional stiffness
- ▶ double flex design
- ▶ customer specified length available
- ▶ compensates for axial, angular, and lateral misalignment
- ▶ wear- and maintenance-free



LP3

FEATURES LP3

With self-centering conical clamping ring, double flexible element and spacer.

- ▶ high torsional stiffness
- ▶ high clamping pressure
- ▶ backlash free torque transmission
- ▶ good for high speed, reversing and intermittent loading
- ▶ zero backlash



LPA

FEATURES LPA

With standard keyway connection for API applications:

- ▶ meets all requirements of API 610
- ▶ lateral removal of intermediate spacer
- ▶ safety retention in event of disc rupture
- ▶ high operational dependability
- ▶ infinite life

R+W ANTRIEBSELEMENTE GMBH

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QUALITY MANAGEMENT
We are certified



according to ISO 9001:2008

D-ZM-16029-01-01 Registration No. 40503432/3

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