



PRODUCT RANGE

THE ULTIMATE SHAFT-SHAFT-CONNECTION

- Torque limiters
- Metal bellows couplings
- Miniature couplings
- Economy Class Bellows couplings
- Line shafts
- Elastomer couplings
- Linear couplings



R+W[®]
COUPLING TECHNOLOGY

VARIETY IN MOTION!

For application in highly dynamic servo drives for:

- Machine tools
- NC-milling machinery
- Woodworking machinery
- Packaging machinery
- Plant automation
- Stone processing machinery
- Engraving machine
- Printing machinery
- Sheet metal fabricating machinery
- Industrial robots
- Textile machinery
- Gear cutting machinery

and in the general mechanical engineering

TORQUE LIMITERS - SK

COMPACT AND BACKLASH-FREE

For 0.1 - 2,800 Nm

Shaft diameter 4 - 100 mm

With single-position re-engagement, multi-position, load holding or full-disengagement

- Compact simple design
- Patented preload for absolutely zero backlash
- Low residual friction after disengagement
- Low moment of inertia
- Actuation ring moves to trigger external sensor
- Disengagement within milliseconds



METAL BELLOWS COUPLINGS - BK

FLEXIBLE AND TORSIONALLY RIGID

For 15-10,000 Nm

Shaft diameter 10-180 mm

- For highly dynamic servo drives
- Absolutely backlash-free
- Easy assembly, press-fit option
- Universally applicable
- Speed up to 50,000 rpm possible
- Compensation of misalignment
- Wear free
- Low moment of inertia



MINIATURE BELLOWS COUPLINGS - MK

VERSATILE AND PRECISE

For 0.05 - 10 Nm

Shaft diameter 1 - 28 mm

Standard balancing of up to 20,000 rpm

- Absolutely backlash free
- Precisely manufactured
- High torsional stiffness
- Low restoring force on shaft bearings
- Easy assembly
- Economy versions available
- Extremely high speeds possible
- Ideal for step motors and encoders





ECONOMY CLASS BELLOWS COUPLINGS - BKL

LOW COST AND RELIABLE

For 2 - 500 Nm

Shaft diameter 4 - 62 mm

- For maximum quality and efficiency
- For cost sensitive applications
- Friction clamping connection
- Low moment of inertia

LINE SHAFTS - ZA / ZAE

WEAR- AND MAINTENANCE-FREE

For 10 - 4,000 Nm

Shaft diameter 10 - 100 mm

- Easy assembly and disassembly
- Standard lengths of up to 6 meters
- No pillow block bearing necessary
- Intermediate tube supported cardanic bearings
- High degree of compensation for misalignment
- Low moment of inertia



SERVOMAX® ELASTOMER COUPLINGS - EK

PRECISE AND COMPACT

For 2 - 2,000 Nm

Shaft diameter 5 - 80 mm

- Vibration damping
- Electrically insulating
- Backlash-free
- Two piece press-fit design
- Compensation for misalignment

LINEAR COUPLINGS - LK

ZERO AXIAL BACKLASH

For 70 - 2,000 N

Thread M5 - M16 (English thread sizes available)

- Compact design
- Low dead weight
- High accelerations possible
- Low lateral restoring forces
- For high tensile and compressive forces
- Compensation for lateral misalignment

