

APPLICATIONS AND DESIGN FEATURES INDUSTRIAL DRIVE COUPLINGS

SIZING AND SELECTION

P. 9

INSTALLATION AND HANDLING

P. 31

TORQSET® SAFETY COUPLINGS

ST

P. 41

from **200 – 250,000 Nm**

AREAS OF APPLICATION

- ▶ timber processing machinery
- ▶ bulk material handling systems
- ▶ tunnel boring machinery
- ▶ industrial shredders
- ▶ rotary test stands
- ▶ extruder drives
- ▶ wastewater scraper drives
- ▶ wherever potential for torque overload exists

FEATURES

- ▶ compact, simple design
- ▶ precise overload protection
- ▶ adjustable disengagement torque
- ▶ robust
- ▶ full disengagement up on overload

HIGH STRENGTH DISC PACK COUPLINGS

LP

P. 65

from **350 – 24,000 Nm**

AREAS OF APPLICATION

- ▶ API 610 pump packages
- ▶ paper machinery
- ▶ steel mill equipment
- ▶ test stands
- ▶ generators
- ▶ bulk material handling systems
- ▶ centrifuges
- ▶ cooling tower drives
- ▶ compressors
- ▶ printing machinery
- ▶ for infinite life in extreme conditions

FEATURES

- ▶ maintenance free for infinite life
- ▶ frictional clamping of disc packs
- ▶ high speeds with extended DBSE
- ▶ zero backlash
- ▶ high torsional stiffness
- ▶ low restoring forces from misalignment

FLEXIBLE GEAR COUPLINGS

BZ

P. 79

from **1,900 – 2,080,000 Nm**

AREAS OF APPLICATION

- ▶ mixers
- ▶ rolling mills
- ▶ conveyors
- ▶ crushers
- ▶ shredders
- ▶ levelers
- ▶ wherever high torque and low cost meet

FEATURES

- ▶ very compact design
- ▶ corrosion resistant
- ▶ large misalignment compensation
- ▶ reduced wear design
- ▶ low maintenance

TORSIONALLY STIFF BELLOWS COUPLINGS

BX

P. 89

from **10,000 – 100,000 Nm**

AREAS OF APPLICATION

- ▶ test stands
- ▶ centrifuges
- ▶ wind energy
- ▶ machine tools
- ▶ printing machinery
- ▶ wherever precise transmission is required

FEATURES

- ▶ robust construction
- ▶ high torsional stiffness
- ▶ fatigue resistant for infinite life
- ▶ easy to mount and dismount
- ▶ precise rotational transmission
- ▶ minimal restoring loads under misalignment

BACKLASH FREE SERVOMAX® ELASTIC JAW COUPLINGS

EK
EZ

P. 95

from **1,950 – 25,000 Nm**

AREAS OF APPLICATION

- ▶ pump systems
- ▶ conveyors
- ▶ material handling systems
- ▶ extruder drives
- ▶ crushers
- ▶ shredders
- ▶ wherever shock, vibration, and misalignment need to be absorbed

FEATURES

- ▶ vibration damping
- ▶ electrically isolating (standard version)
- ▶ misalignment compensation
- ▶ backlash free
- ▶ maintenance free

FOR USE IN HAZARDOUS ENVIRONMENTS

ATEX

P. 103

AREAS OF APPLICATION

for safer operation in industries with explosive atmospheres, such as:

- ▶ oil & gas extraction
- ▶ petrochemical processing
- ▶ munitions manufacturing
- ▶ bulk and powder processing
- ▶ paint systems

FEATURES

For hazardous zones 1/21 and 2/22 these couplings are authorized under directive 94/9/EG.

- ▶ Safety couplings
- ▶ Bellows couplings
- ▶ Elastic jaw couplings
- ▶ Disc pack couplings