

Made for Motion



PUMPS AND COMPRESSORS

Benefit from our experience

■ Drive Technology ■ Cooling Systems

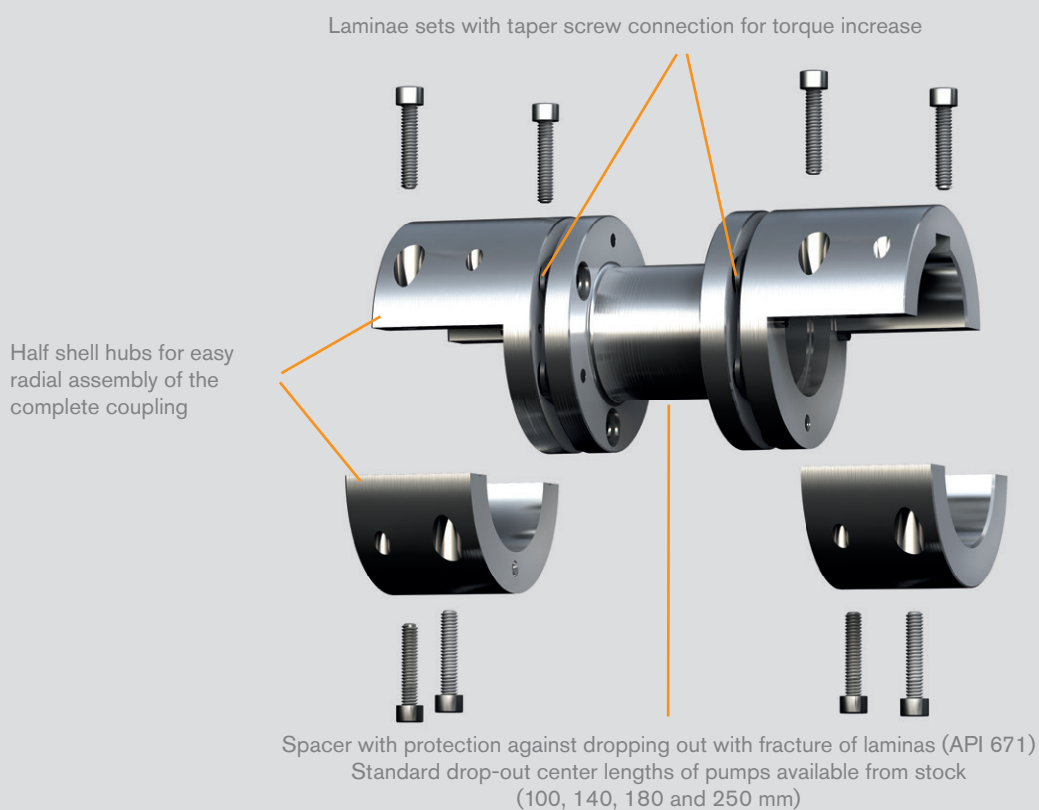


RIGIFLEX®-N A-H with SPLIT-hubs



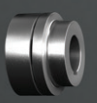


- Easy assembly/disassembly
- Coupling unit ready for assembly
- No special tools required for assembly/disassembly
- Protection against dropping out of spacer with fracture of laminas
- Explosion protection assessed and approved in accordance with ATEX directive

Main features

- Coupling consists of two hubs, two laminae sets and one spacer
- Coupling complies with ATEX directive in all material respects
- Coupling meets all relevant items of API directive 610 & 671
- Saving costs by quick assembly and reduction of components
- Ability for radial assembly and disassembly



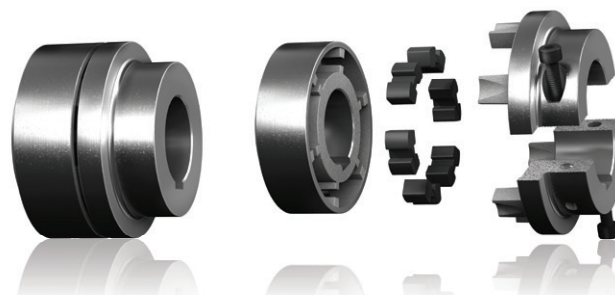
Perfect connection for pumps & compressors – with our drive components

						
		ROTEX®	ROTEX® ZS-DKM-H	ROFLEX®	POLY-NORM®	BoWex® HEW Compact
Pumps	Centrifugal pumps	■	■	■	■	
	Centrifugal pumps with I. C.-engine					
	Magnetic drive pumps					
Compressors	Liquid gas and turbo compressors					
	Stationary screw compressors	■	■	■	■	■
	Mobile screw compressors					
Vacuum pumps	Slide vane rotary vacuum pumps	■	■	■	■	■
	Roots vacuum pumps	■	■	■	■	■
Certificates and standards		ATEX and API	ATEX and API	ATEX and API	ATEX and API	ATEX and API



ROTEX® Torsionally flexible jaw coupling

- Jaw coupling for power transmission damping torsional vibrations
- Axial plug-in, easy assembly, maintenance-free
- Standard spiders made of high-temperature resistant T-PUR®
- Application range of T-PUR® from -50 °C to +120 °C, temperature peaks up to +150 °C
- Rated torques up to 35,000 Nm



ROFLEX® Torsionally flexible, puncture-proof jaw coupling

- Axial plug-in, easy assembly/disassembly via two screws
- Short version, small shaft distance dimension
- Application range of NBR elastomers from – 30 °C to + 80 °C
- Temperature peaks up to + 120 °C
- Rated torques up to 5,000 Nm



RADEX®-N Steel laminae coupling






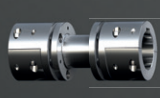
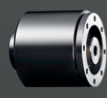

- Backlash-free, torsionally rigid and maintenance-free
- Free from wear
- Big displacements
- Application range up to +280 °C
- Rated torque up to 280,000 Nm



RIGIFLEX®-N | RIGIFLEX®-HP Steel laminae coupling

- Backlash-free, torsionally stiff and maintenance-free
- Free from wear
- Spacer can be assembled/disassembled radially
- Application range up to +280 °C
- Rated torques up to 330,000 Nm



							
BoWex-ELASTIC®	BoWex® GT BoWex® M	RADEX®-N	RIGIFLEX®-N	RIGIFLEX®-HP	RIGIFLEX®-N A-H	MINEX®-S	MMC coolers
■	■	■	■	■	■	■	
						■	
		■	■	■	■	■	
		■	■	■	■	■	■
■						■	■
		■	■	■	■	■	
		■	■	■	■	■	
Ex	Ex	Ex API 610	Ex API 610/617	Ex API 610/617	Ex API 610/617	Ex API 685	



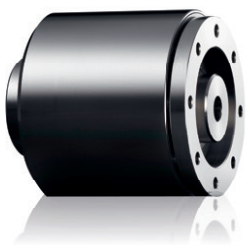
BoWex-ELASTIC® | BoWex® HEW Compact Flange coupling

- Highly flexible shaft or flange coupling (SAE)
- Damping torsional vibrations
- Low restoring forces
- Compensating for misalignment on driving and driven side
- Application mainly in variable-speed drives
- Operating temperature +100 °C
- Rated torque 70,000 Nm



BoWex® GT | BoWex® M Gear coupling

- Sleeve consists of two half shells (GT)
- Easy disassembly by split sleeve (GT)
- Capacity for absorbing big radial displacements
- Double-cardanic operating principle of BoWex® is preserved
- Reducing restoring forces in the drive train
- Operating temperature +120 °C
- Rated torque up to 560 Nm



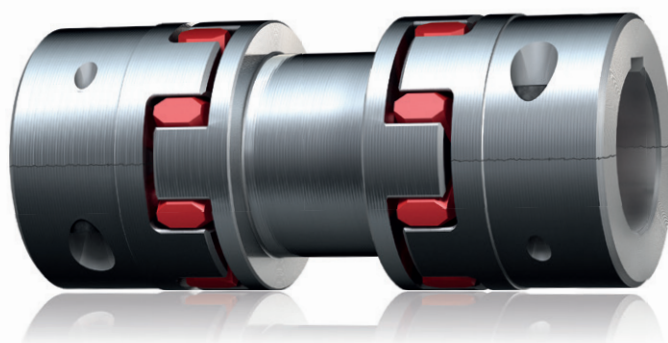
MINEX®-S Magnetic coupling

- Contactless torque transmission via permanent magnets
- Hermetic sealing of the medium
- Resistant to aggressive media
- As an option according to API 685
- Rated torques from 0.15 to 1,000 Nm



MMC heat exchanger Compressor cooler

- High-performance cooler made of aluminium for sophisticated operating conditions
- Tailor-made, compact and efficient
- Application-oriented system selection
- Customised design
- Various circuits can be combined within one system (compressed air + oil + ...)
- Making efficient use of mounting space and pressure-resistant (DGRI) (German Computer Law Society)



ROTEX® ZS-DKM-SH with cracked hubs

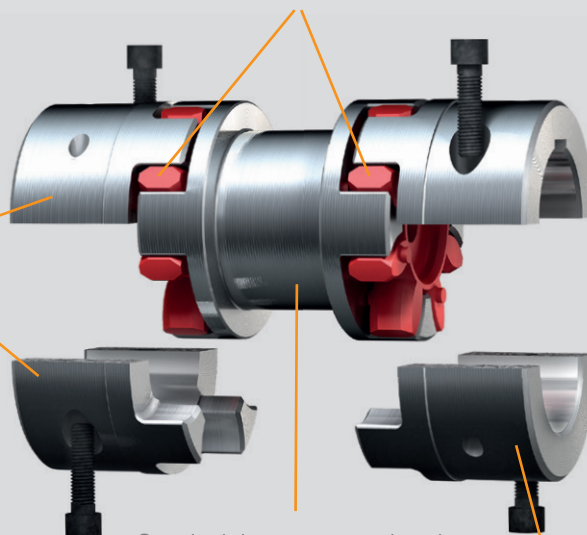
- Reliable
- Compensating for big displacements
- Low restoring forces
- Easy assembly/disassembly
- No special tools required for assembly/disassembly
- Very good dynamic properties
- Explosion protection assessed and approved in accordance with ATEX directive

Main features

- Coupling consists of two hubs, two spiders and one spacer
- Coupling complies with ATEX directive in all material respects
- Ability for radial assembly and disassembly
- Hub available as a cracked design

The core of the coupling - available in various degrees of hardness, making the pump run perfectly smoothly.

Easy assembly and disassembly via four screws only.



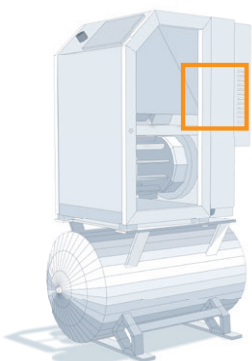
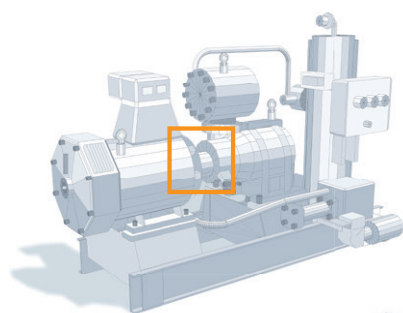
Standard drop-out center lengths of pumps available from stock (100, 140, 180 and 250 mm)

Cracked hub type



Applications

Compressors



ROTEX® SH

Torsionally flexible jaw coupling

ROTEX® ZS-DKM-SH

Double-cardanic standard drop-out center design coupling

BoWex® HEW Compact

Highly flexible coupling

BoWex-ELASTIC®

Highly flexible flange coupling

RADEX®-N

Steel laminae coupling

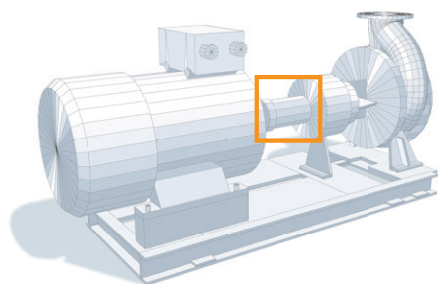
RIGIFLEX®-HP

Steel laminae coupling

MMC cooler

Combined cooler

Pumps



ROTEX®

Torsionally flexible jaw coupling

ROTEX® SH

Torsionally flexible jaw coupling

ROTEX® ZS-DKM-SH

Double-cardanic standard drop-out center design coupling

ROFLEX®

Torsionally flexible jaw coupling

POLY-NORM®

Torsionally flexible jaw coupling

BoWex® GT

Gear coupling

RADEX®-N

Steel laminae coupling

RIGIFLEX®-N

Steel laminae coupling

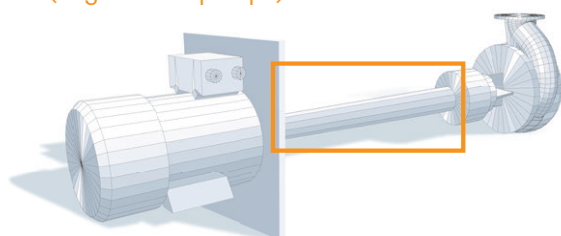
RIGIFLEX®-N A-H

Steel laminae coupling

MINEX®-S

Magnetic coupling

Pumps for large shaft distance dimensions (e. g. vertical pumps)



RADEX®-N Composite

Steel laminae coupling

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