REEL

antriebstechnik

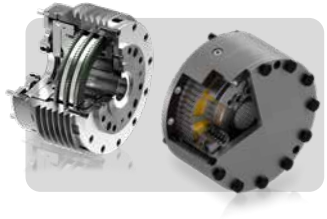


YOUR DRIVE – OUR COMPETENCE

Safety elements: Spring loaded, pressure released multi disc brakes and overload clutches
Coupling types: Flexible / Stiff / Torsionally stiff couplings
Freewheels and Backstops
Spare and wear parts for couplings and clutches
Drive elements: V-belt pulleys, flat belt pulleys, flywheels
Individual manufacture on the basis of your designs and needs

[SAFETY ELEMENTS]

SPRING LOADED, PRESSURE RELEASED MULTI DISC BRAKES AND OVERLOAD CLUTCHES



Spring loaded, pressure-released multi-disc brakes:
Maintenance-free, compact design, low residual torque, suitable for wet and dry operation.

Overload clutches: low maintenance, high wear reserves, compact design, adjustable torque, steel/sinter friction pairs, wet and dry operation.

Special designs on request.

[FLEXIBLE AND HIGH-FLEXIBLE COUPLINGS]

HIGH FLEXIBLE RUBBER SHAFT COUPLINGS GWR



Standard version:
GWR – coupling hubs of steel S 355 J2G3 (St-52.3)

Special designs on request.

GWR is a high-flexible rubber shaft coupling and available in 16 sizes for a range of torques extending from 25 to 10,000 Nm.

FLEXIBLE BOLT COUPLING ELBO-R



Standard version:
ELBO-RG – coupling hubs of cast iron EN-GJL-250 (GG-25)

ELBO-RS – coupling hubs of steel S 355 J2G3 (St-52.3)

Special designs on request.

ELBO-R is a fail-safe flexible bolt coupling and available in 26 sizes for a range of torques extending from 200 to 1,300,000 Nm.

FLEXIBLE BOLT COUPLING ELBO-RS DH



Divided hub version:
ELBO-RS DH – coupling hubs of high strength steel 42CrMo4

Special designs on request.

The ELBO-RS DH torsionally flexible bolt coupling is a service-friendly elastomer coupling with divided hubs and is characterized by easy radial installation and removal.

[FREEWHEELS AND BACKSTOPS]

SPRAG FREEWHEELS



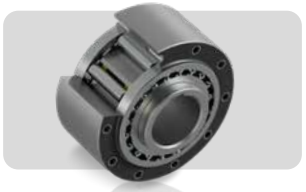
Standard freewheels and re-placement solutions:
We offer a broad range of standard freewheels as well as technically equivalent alternatives for older designs that are no longer available. This allows you to continue operating your drive reliably within its existing technical configuration.
- Self contained freewheels
- Built in freewheels

Technically equivalent alternatives to the BSD design are available.

Special designs on request.

Inspection and overhaul:
In addition to replacing overrunning clutches, we also inspect and overhaul the components in our production facility.
Torque ratings up to 70,000 Nm.

ROLLER FREEWHEELS



[SPECIAL DESIGNS ON YOUR NEEDS]

OVERRUNNING CLUTCH



Bolt and cam coupling hubs of cast iron EN-GJL-250 (GG-25) and steel S 355 J2G3 (St-52.3)

Special designs on request.

Overrunning clutches are available in over 50 sizes for a range of torques extending from 50 to 70,000 Nm.

TAILSPIN DRIVE



Custom-made drive units:
Overrunning clutch with stationary oil chamber and gear-motor

Special designs on request.

Tailspin drives are available in 6 standard sizes for a range of torques extending from 240 to 4600 Nm.

[STIFF / TORSIONALLY STIFF COUPLINGS]

ALL-STEEL MULTI-DISK COUPLING REELDISC



Standard version:
Coupling hubs of steel S 355 J2G3 (St-52.3),
Disc-pacs of stainless steel

Special designs on request.

The example shows a clamping hub.

STIFF COUPLINGS - DIN 116 / SIMILAR TO DIN 115 AND FLANGED COUPLINGS



Standard version:
Cast iron EN-GJL-250 (GG-25)
Steel 1.0503 (C45)

Special designs on request.

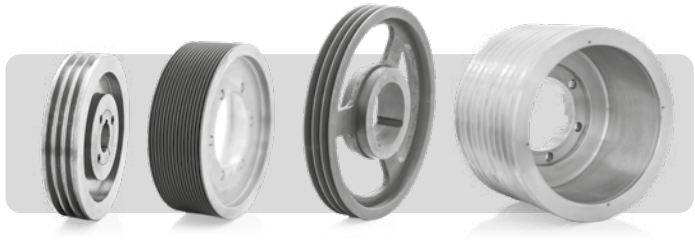
The example shows a flanged coupling with a shrink disc.

[INDIVIDUAL DESIGN DRIVE ELEMENTS]

- **CLASSICAL V-BELT PULLEYS**
  Profiles: 5, 6, 8, 10, 13, 17, 19, 20, 22, 25, 32, 40
- **NARROW-GAUGE V-BELT PULLEYS**
  Profiles: SPZ, SPA, SPB, SPC
- **FLAT BELT PULLEYS**
  Cylindrical and spherical
- **WIDE V-BELT PULLEYS**
  Profiles W: 16, 20, 25, 31.5, 40, 50, 63, 71, 80, 100
- **RIBBED V-BELTS**
  Poly-V profiles: H, J, K, L, M
- **POWER BELT PULLEYS**
  Profiles: 3V, 5V and 8V
- **FLYWHEELS AND WHEELS**
  Individual manufacture on the basis of your designs

ALL DESIGNS
- With cylindrical bore and keyway as per DIN 6885/1
- For tapered clamping bush and for clamping set

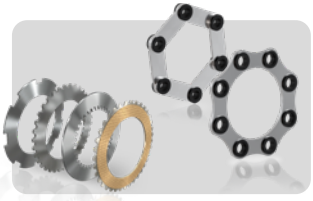
- **WELD-ON HUBS FOR TAPERED CLAMPING BUSHES**
  Type: WH, WM, TBK
- **SCREW-ON HUBS FOR TAPERED CLAMPING BUSHES**
- **FLANGED HUBS FOR TAPERED CLAMPING BUSHES**



[COUPLING / CLUTCH SPARE PARTS]

Beyond our own product range we can offer you a wide-spread of different coupling and clutch spare parts.

DISC PACS



Discs and disc packs for disc couplings.

Discs and seals for BSD safety Elemets:
- Steel discs
- Discs with sintered linings
- Discs with organic friction linings

ELASTOMER FLEXIBLES



Coupling-buffers, -rubbers and -rings could be purchased in different materials, hardness and special designs (such as electrical isolated buffers).

Materials:
- Perbunan (NBR)
- Natural rubber (NR)
- Vulkollan
- Polyurethane

Hardness:
- 90 / 80 / 75 / 70 / 60 Shore A
- Other hardness on request

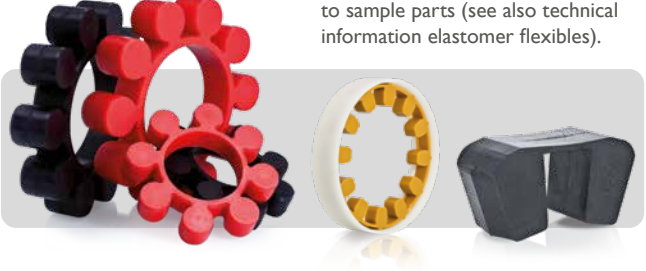
BOLTS



Coupling bolts from different manufacturers are available from stock. Special designs acc. to drawing or acc. to sample parts on request.

SPECIAL DESIGNS

Special designs in different materials and hardness acc. to drawing or acc. to sample parts (see also technical information elastomer flexibles).



[PRODUCTS / MANUFACTURING]

REEL Antriebstechnik GmbH can look back today on a company history that has started more than 75 years ago. In the course of these years we have gained in the field of drive systems an excellent reputation beyond regional limits and are operating today on an international level.

In addition to our drive solutions already established on the market, we can offer thanks to our very close customer contacts particularly flexible and economical drive system solutions.

The base for our productive manufacturing is our modern machinery equipment where we produce bigger and smaller parts according to our customer requirements.

Please ask us, we are willing and competent to consult you.

[TECHNICAL TRADING / SALES]

Whether phone, E-Mail, fax or face to face – Starting from the inquiry up to the delivery you will find a personally and professional support.
Let us know what we can do for you, so that we can convince you.

Product catalogues under www.reel-antriebstechnik.de

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