
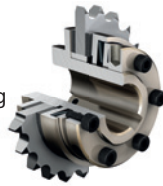


RUFLEX®

Torque limiters

Structure and operation

- Overload protection up to 6800 Nm (standard)
- Available with integrated sprocket
- Asbestos-free and rust-proof friction lining for dry running (ATEX available on request )
- High wear capacity, long service life
- High-quality slide bush with dry-film lubricant
- Torque setting while in place



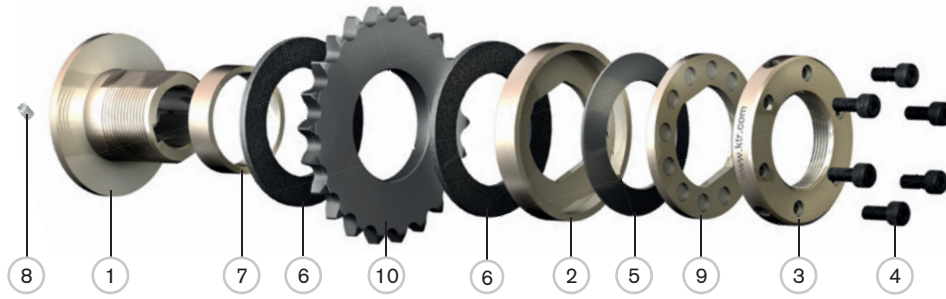
- Securing of the nut by locking in 12 different positions
- Easy assembly and torque setting
- Coupling components made of steel, high safety reserves
- Corrosion protection by zinc-coated and passivated surfaces
- Rust-proof and acid-proof type on request
- High capacity due to high-quality disk springs and friction linings

The RUFLEX® modular system provides solutions for your drive, too.

The combination with the approved KTR couplings and the integration of customer-specific drive components (e. g. sprockets) allows for an overload protection optimally adapted to every application.

Various layers of disk springs and high-quality friction linings ensure a high power density even with only few mounting space.

RUFLEX® consists of the following components:



List of components:

- | | |
|-------------------------|------------------------------------|
| ① Hub | ⑥ Friction lining |
| ② Thrust washer | ⑦ Slide bush |
| ③ Setting nut | ⑧ Setscrew |
| ④ Torque setting screws | ⑨ Locking washer |
| ⑤ Disk spring | ⑩ Drive component (e. g. sprocket) |

Layers of disk springs:



1 TF

- Small specific load on the friction linings
- For small to average torques
- Long service life of friction linings



1 TFD

- Small specific load on the friction linings
- Torques like with type 1 TF
- Only small decrease of the torque even with longer period of friction
- Precision torque adjustment due to a double spring excursion



2 TF

- Average specific load on the friction linings
- Average wear and decrease of torque with longer slipping periods
- Double torque due to double layer of the disk springs



2 TFD

- Average specific load on the friction linings
- Torques like with type 2 TF
- Only small decrease of the torque even with longer period of friction
- Precision torque adjustment due to a double spring excursion



3 TF

- High specific load on the friction linings
- High wear and decrease of torque with longer slipping periods
- Suitable only in special cases for designs with only limited dimensions