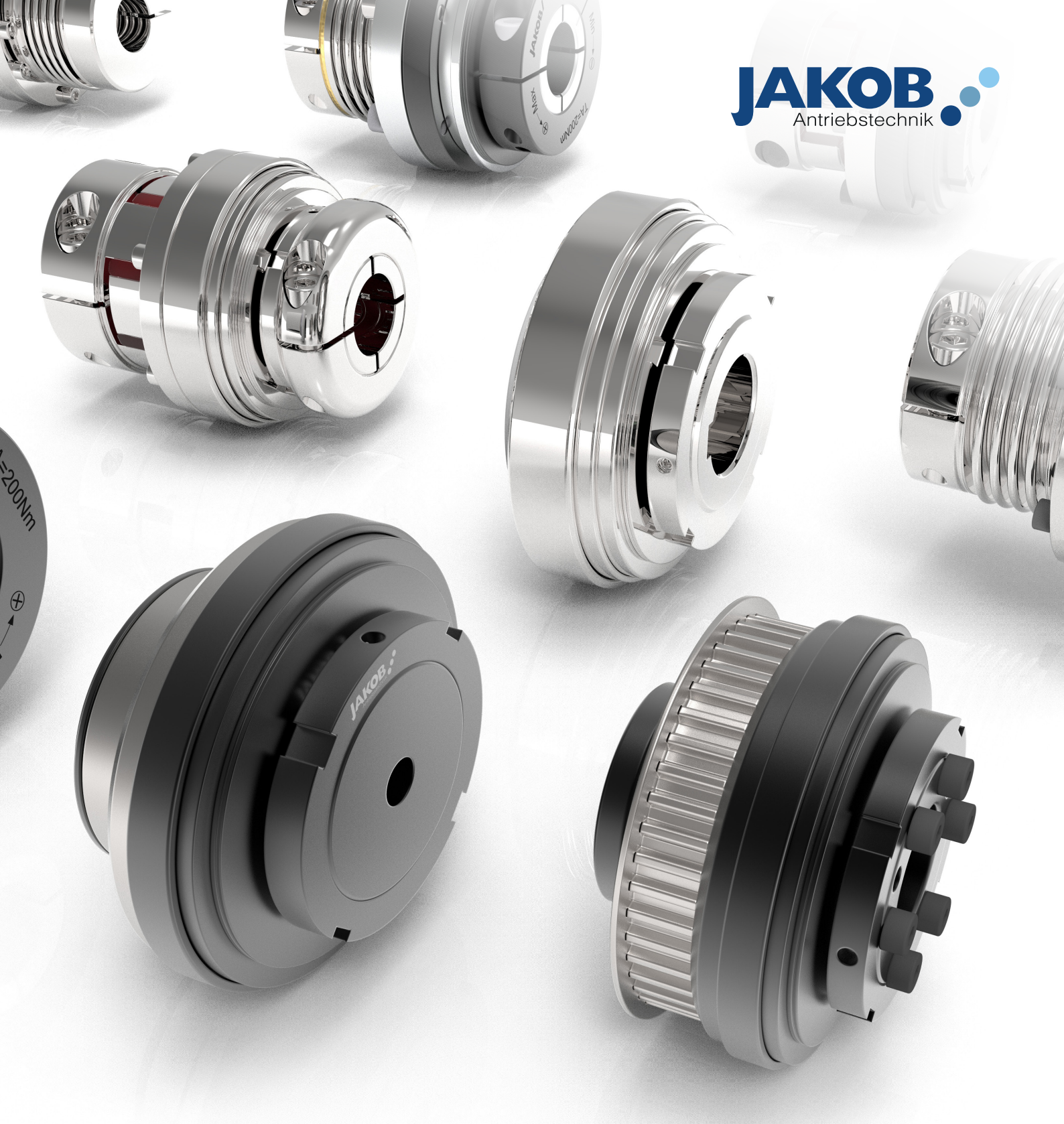




PRODUCT RANGE

SAFETY COUPLINGS

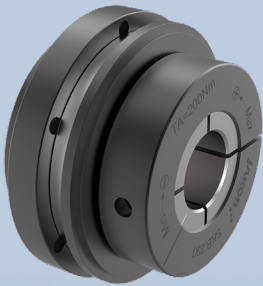
The JAKOB modular system

The modular safety coupling system, consisting of three standard assemblies and several special variants, offers a solution for virtually any application. Depending on the application, various attachments can be mounted to the release mechanism. For indirect drives, pulleys, gears, or corresponding connecting parts are flanged on. For direct drives, the release mechanism is supplemented with a metal bellows or an elastomer coupling component to compensate for any shaft misalignment. The key selection and design criteria are the torque to be transmitted, the required torsional stiffness, the existing shaft diameters, the mounting conditions, and other operating parameters such as temperature and shaft misalignment.

The JAKOB safety coupling program is divided into three main groups:

- For indirect drives
- With metal bellows mounting
- With elastomer mounting

Safety couplings for indirect drives



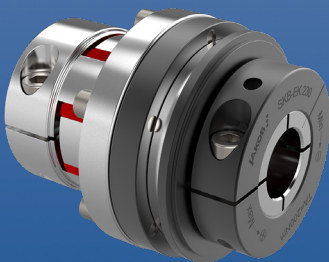
- Optimal overload and collision protection/damage minimization
- For mounting timing belts, gears, sprockets, and flanges
- Backlash-free, precise torque transmission
- Infinitely adjustable disengagement torque
- Positive-locking shaft-hub connection with conical clamping ring, conical clamping bushing, clamping ring hub, or keyway
- Disengagement torques from 2 to 9,000 Nm
- With integrated ball bearing or plain bearing
- Concentricity and axial runout accuracy of a few hundredths of a millimeter
- Operating temperatures up to 200°C

Safety couplings with metal bellows construction



- Optimal overload and collision protection/damage minimization
- Backlash-free, precise torque transmission
- Infinitely variable release torque
- Available with either a clamping hub or a tapered bushing
- Compensates for shaft misalignment
- Release torques from 2 to 9,000 Nm
- High torsional stiffness
- Robust all-metal construction – corrosion-protected optionally
- Operating temperatures up to 200°C
- Compact dimensions
- Low moments of inertia

Safety couplings with elastomer attachment



- Optimal overload and collision protection/damage minimization
- Backlash-free, precise torque transmission
- Plug-in, vibration-damping
- Infinitely adjustable release torque
- Available with either a clamping hub or a tapered locking ring hub
- Compensates for shaft misalignment
- Release torques from 2 to 2,000 Nm
- Electrically insulating
- Operating temperatures up to 90°C
- Compact dimensions
- Low moments of inertia