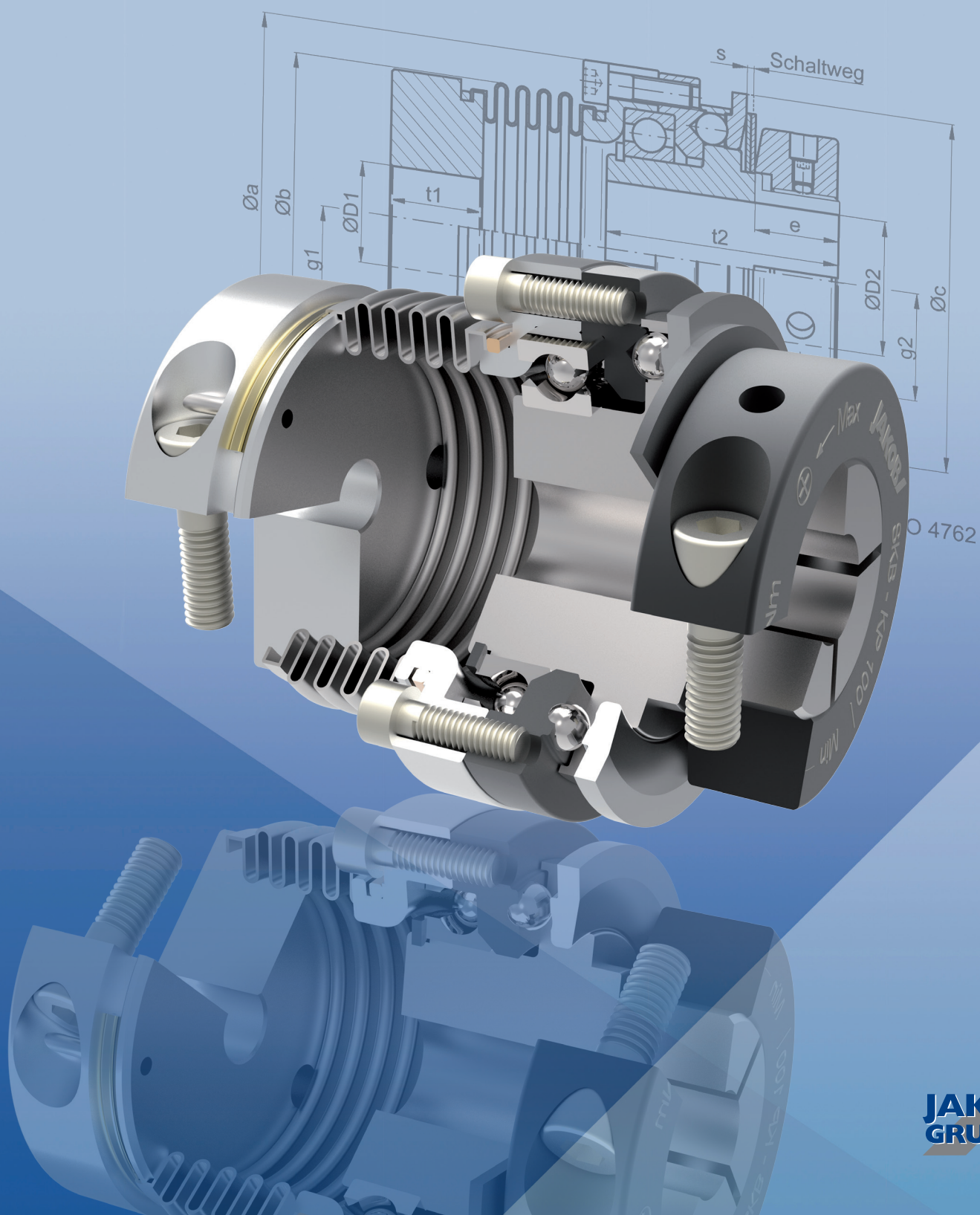


Product range Safety couplings



The JAKOB modular system

Due to the constantly increasing automation and dynamics of modern work processes, the devices which protect the complex and expensive units against resulting damages in case of errors are increasing in importance. JAKOB safety couplings reduce expensive machine damages, repairs and downtime by acting as reliable torque limiters and overload protection. JAKOB safety couplings are the life insurance for your machines, no matter whether the error is due to incorrect operation, false programming, material overload or tool breakage. The constitutive options- and coordination criteria are: the necessary disengagement torque, the required torsional stiffness, the existing shaft diameter, the fitting condition as well as other operating parameters like temperature and shaft displacement.

The JAKOB safety couplings product range:

- for indirect drives
- with bellow attachment
- with elastomer attachment

Safety couplings for indirect drives



- optimum overload and crash protection
- for the attachment of toothed belt pulleys, gear- or chainwheels or flanges
- backlash free, exact torque transfer
- stepless disengagement torque adjustment
- frictional shaft-hub-connection with conical clamping bush, conical clamping ring, clamping ring hub or keyway connection
- disengagement torques from 2 up to 9.000 Nm
- with integrated ball bearing or sliding bearing
- with a concentricity - resp. run-out exactness of a few hundredth of millimeters
- operating temperatures up to 200°C

Safety couplings with bellow attachment



- optimum overload and crash protection
- backlash free, exact torque transfer
- stepless disengagement torque adjustment
- optional with radial clamping hub or conical clamping hub
- compensation of misalignments
- disengagement torques from 2 up to 9.000 Nm
- high torsional stiffness
- all-steel-version - optional corrosion-free
- operating temperatures up to 200°C
- compact design
- low moment of inertia

Safety couplings with elastomer attachment



- optimum overload and crash protection
- backlash free, exact torque transfer
- plugable, oscillation dampening
- stepless disengagement torque adjustment
- optional with radial clamping hub or conical clamping hub
- compensation of misalignments
- disengagement torques from 2 up to 2.000 Nm
- electrically insulating
- operating temperatures up to 90°C
- compact design
- low moment of inertia

