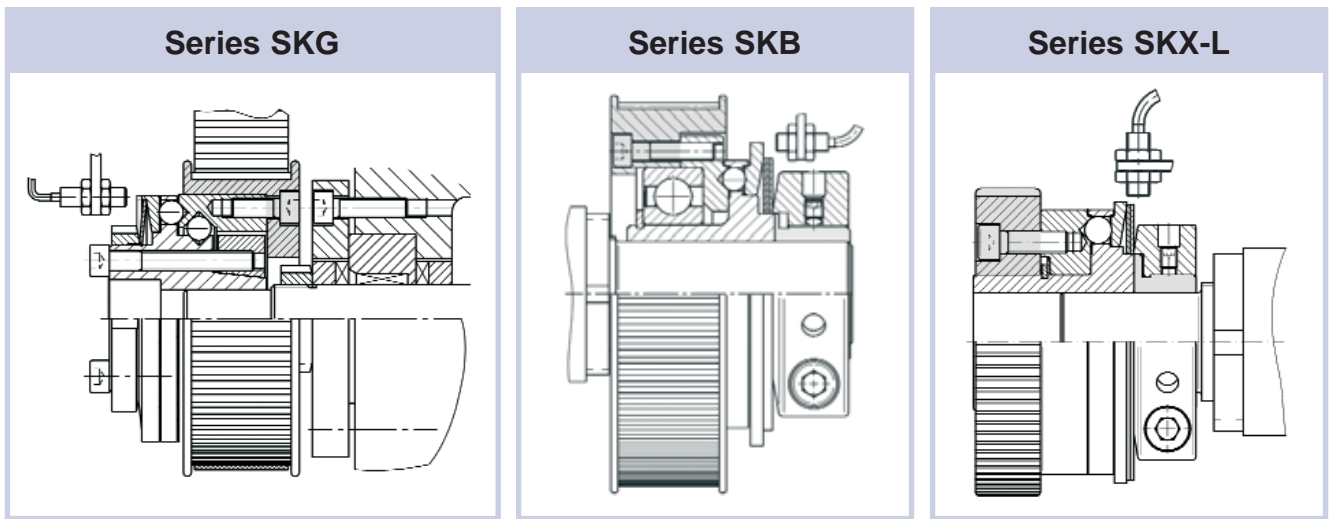
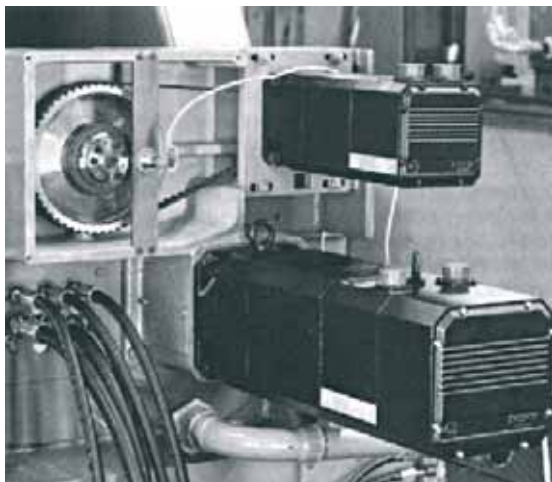


- for the attachment of toothed belt pulleys, gear wheels, chain wheels, flanges ...
- with integrated ball bearing or sliding bearing - optimal constructional adjustment
- frictional shaft-hub-connection with conical clamping bush resp. conical clamping ring



For overload protection resp. as collision protection for indirect drives, JAKOB's standard program presents series SKG and SKB with integrated ball bearing, as well as series SKX-L with integrated sliding bearing. They enable the adjustment of toothed belt pulleys, gear wheels or other units to the coupling flange rings with a concentricity - resp. run-out exactness of a few hundredth of millimeters. During normal operation, the bearings must take up the radial and axial forces and transfer them to the drive, resp. output shaft, only during uncoupling there is a relative rotating movement between flange ring and hub for a short time. The chosen torque is transferred backlash free and frictionally from the shaft to the coupling hub by a conical clamping ring resp. a conical clamping bush. As the SKB coupling can be used for big pulleys and pinions because of the reference diameter of the fastening threads, the SKX-L series is made for longer attachment parts with small centric diameter. The series SKG with its integrated ball bearing provides a good alternative for very compact constructional solutions. In this cases, the coupling body can almost completely be fit into the pulley with the result, that the forces can be led almost centrally to the bearing. Furthermore, the clamping ring is located at the inside, at the side of the shaft, and therefore a subsequent mounting (modification) is possible, even when available space is limited. Other safety coupling series for indirect drives, such as e.g. series SKM with separate sliding bearing or Series SKD with blocking mechanism can be delivered upon special request.

## Application examples: \_\_\_\_\_



indirect servo axis drive with SK coupling as collision protection



indirect ball- screw- drive:  
Safety coupling series SKG with integrated toothed belt pulley