Technical Information

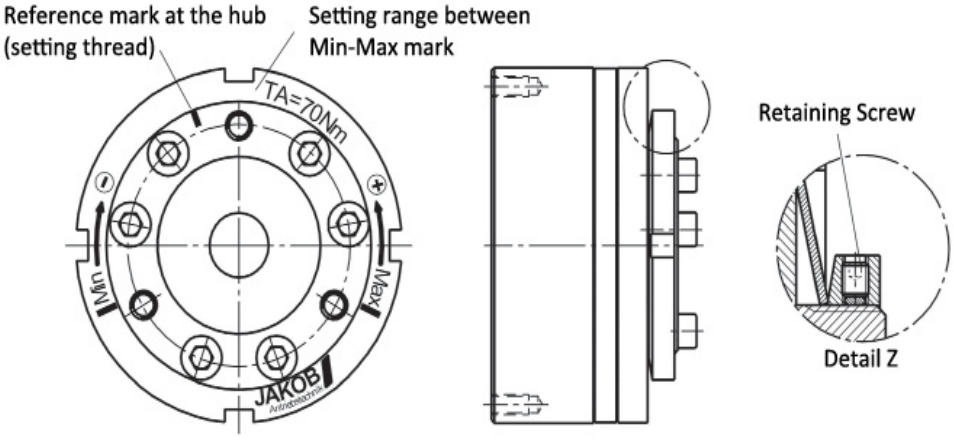
Safety Couplings | Adjusting the disengagement torque

The disengagement torque is generally between approximately 40% and 100% of the nominal torque of the coupling and is easily adjustable. If the customer does not specify a disengagement torque value, the coupling is set at the maximum torque (nominal torque) of the coupling. The disengagement torque can be adjusted (on the machine) if necessary at a later date by turning the adjusting nut with a pin wrench. Adjusting nuts are provided with a user friendly scale; the disengagement torque, and the reference marks for Tmin and Tmax, are engraved on the face side of the adjusting nut to facilitate setting. Greater disengagement torques greater than Tmax are possible (on request); though this results a stronger wear of the disengagement mechanism.

CAUTION:

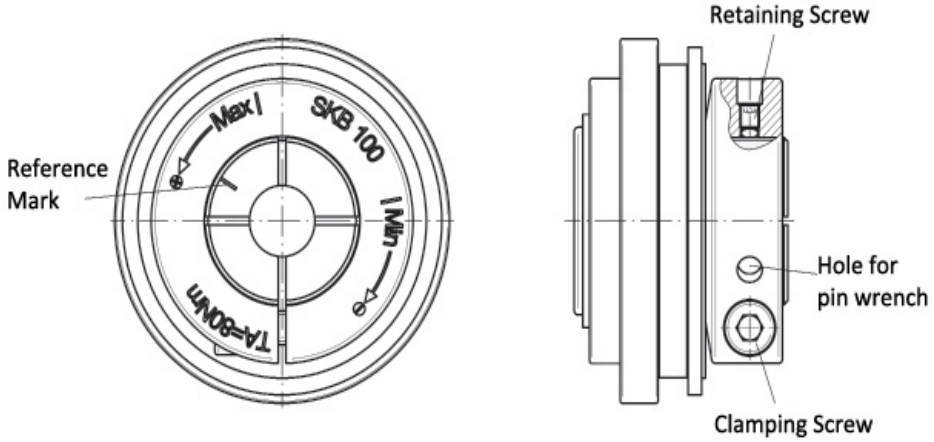
Due to the degressive spring characteristic within the torque setting range, a counter clockwise turn of the adjusting nut means an increase, while a clockwise direction turn means a reduction of the disengagement torque (See direction arrow at clamping nut)!

Series SKG/SKY/SKW - Setting marking for disengagement torque:



Loosen and remove the retaining screw (see detail Z) completely. Turn the adjustment nut with pin wrench. After adjusting, re-secure the adjustment nut by drilling and tightening the self-tapping screw.

Series SKB/SKX-L- Setting scale for disengagement torque



Release retaining screw and turn adjusting nut with pin wrench (note reference mark). Tighten retaining screw on hub after setting the required disengagement torque. Setting can be done by turning the hub with scale until the torque value to be set is in line with the reference mark. In mounted status the clamping screw must be released and after setting the disengagement