Description of function

Three part shrink disc of the types TAS 30.. & TAS 52..

The main function of a shrink disc is the safe connection of a shaft with a hub by means of friction. For example, between a drive shaft and a transmission hollow shaft. The shrink disc generates a backlash-free connection by pressing the hub onto the shaft. This connection is mainly used to transmit torque.

The shrink disc only provides the required forces, and transfers no forces or moments between shaft and hub by itself. Therefore, the force flow does not pass through it.

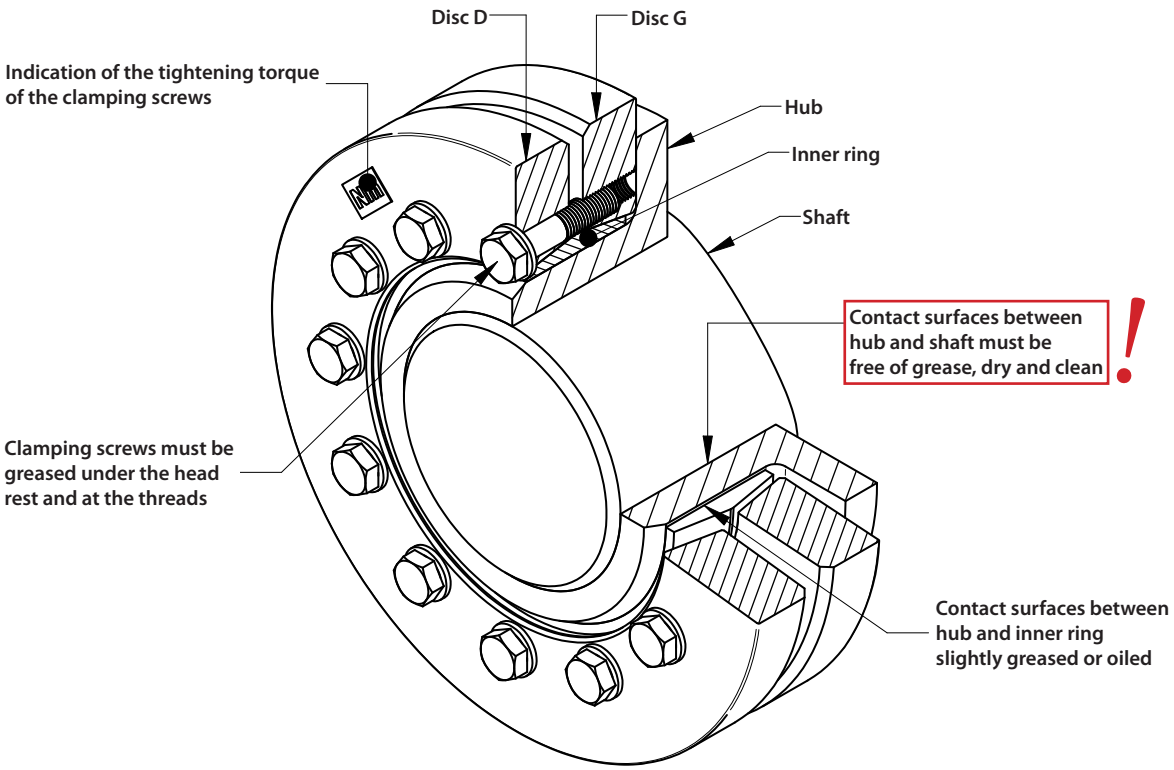
It is installed by sliding the shrink disc onto the hollow shaft and the subsequent tightening of the screws. By using conical surfaces the inner diameter reduces and the radial pressure is built up. The 30xx range of shrink discs are not self-locking. The clamping forces are provided and controlled through the screws.

This allows the direct compensation of the clearance between the shaft and hub, without an overload that may occur on path controlled shrink discs, due to small or over sized clearance.

The supplied shrink discs are ready for installation.

To achieve proper operation with a sufficiently high coefficient of friction, the contact surfaces between shaft and hub must be dry, clean and free of grease. The functional surfaces of the shrink disc, the thread and head rests of the screws, are equipped at the factory with lubricant. The contact surfaces between the hub and shrink disc must be provided with grease before installation.

A detailed installation manual is available on the Internet.



Product data

Data sheets

- Contact us if a data sheet for an individual product is required.

CAD data

- We provide CAD data for our products in various formats. These can be found online at www.traceparts.com. If the desired product is not available, please contact us directly.