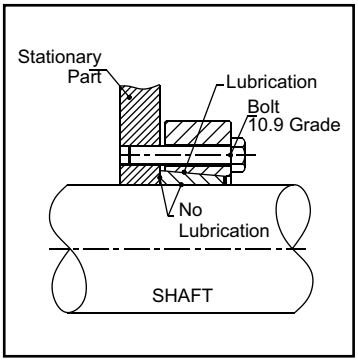
Shrink Disc - Model NS 12

Features:

Torque transmission :High- Very high. Self centering. No axial movement of hub. Even pressure distribution. External clamping. Low installation time. Application economically advantageous.

Installation:

Carefully clean the shaft & other contact surfaces. Apply a light grease / oil film on taper seat. Slide the Shrink disc onto shaft along with your part screwed. Tighten clamping screws lightly, align shrink disc, as required. Tighten all screw s gradually and regularly in diametrically opposite sequence in several pass, using torque wrench, until the tightening torque (as per screw size indicated) is reached. Check all screws for the tightening torque, repeating above mentioned operation. In case of Inner ring slitted, the screws close to slit, should be tightened fully last, to avoid deformation in inner ring.

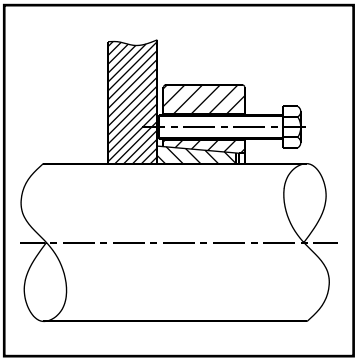


Note: The tightening torque values indicated is valid only in case of grease/oil installation. Do not use any oil with molybdenum bisulphide or high pressure additives and not grease.

Removal:

Important: Make sure the ends of screws used for removal are ground flat and slightly chamfered to eliminate damage to screw and removal threads.

Loosen the clamping screws. Insert (2-3) clamping screws into tapped holes of outer ring (provided for removal) and tighten gradually in crossed sequence, till the Shrink Disc is released. If the assembly is to be reused, relubricate both inner / outer ring, screws and reassemble, reuse or store.



Tolerances, surface finish:

A good surface finish by machine tool is sufficient. Maximume allowable surface finish : $Ra \leq 3.2um$
Maximum permissible tolerances for hub H8 & for shaft h8.