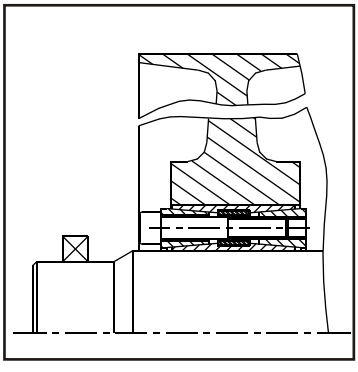
Locking Assembly - Model N7040, N7041, N7042

Features:

Torque transmission**:** N7040-high, N7041-low, N7042-medium.
Self centering. Very low surface pressure. Even pressure distribution. No axial movement of hub. Withstand bending moments. Low installation time. Application economically advantageous.

Installation:

Carefully clean the hub and shaft & other contact surfaces and apply a light oil film. Loosen all screws by min. 2 turns & transfer 2 to 4 screws in to removal holes provided. Tighten transferred screw slightly to disengage taper seats for easy insertion. Slide the assembly into the hub bore and onto the shaft. After insertion, relocate screws used for disengage taper seats. Tighten clamping screws lightly, align hub as required. Tighten all screws gradually and regularly in diametrically opposite sequence in several pass, until the tightening torque (as per screw size indicated) is reached. Check all the screws for the tightening torque repeating above mentioned operation till no one screw turn more.

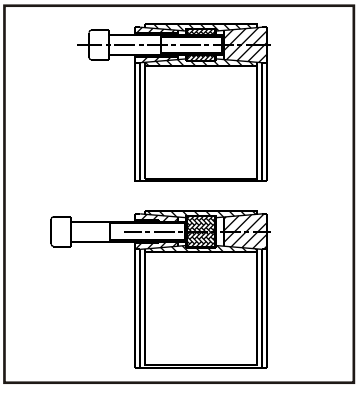


Note: The tightening torque values indicated is valid only in case of oil installation. Do not use any oil with molybdenum bisulphide or high pressure additives and not grease.

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 removal screws into tapped holes in front nut & 2-3 clamping screws into tapped holes in middle ring through clear holes of front nut, provided for removal & tighten gradually in crossed sequence, till the assembly is released. If the assembly is to be re-used, clean & re-lubricate both inner / outer & middle ring, screws and reassemble. Check the position of removal clear hole in the front nut & tapped hole in middle ring is the same as it was. Reuse or store.



Tolerances, surface finish:

A good surface finish by machine tool is sufficient. Maximum allowable surface finish : Rt max 16um (0.016mm). Maximum permissible tolerances for hub H8 & for shaft h8.