## NOTE FOR WHLAXLE24 (or AXLE27 as shown in parenthesis) PREPARATION

Please complete the following steps upon first disassembly of the WHLAXLE24 from packaging:

- 1) Remove 10-24 locking bolt from axle nut (#8 bolts for AXLE27)
- 2) remove axle nut from axle
- 3) Test fit 10-24 locking bolt in each of the 8 holes in axle nut. If necessary, carefully clean threads as required using 10-24 tap. (Use 8-32 tsp for AXLE27)
- 4) Check for burrs on threads of locking bolt holes on inner diameter of axle nut
- 5) Carefully reinstall axle nut on axle and verfiy smooth running of threads. Deburr threads as needed for smooth turning.
- 6) Axle is ready to install











## **NORD-LOCK** Washers



NORD-LOCK is a pair of washers with a wedge-locking action meeting DIN 25201 which is a unique method using tension instead of friction. The rise of the cams between the NORD-LOCK washers is greater than the pitch of the bolt. In addition, there are radial teeth on the opposite side. The washers are installed in pairs, cam face to cam face.



When the bolt and/or nut is tightened the teeth grip and seat the mating surfaces. The NORD-LOCK washer is locked in place, allowing movement only across the face of the cams. Any attempt from the bolt/nut to rotate loose is blocked by the wedge effect of the cams.



Here you see what happens when a bolt is untightened with a wrench. The pair of washers expand more than the corresponding pitch of the thread allows the bolt/nut to rise.

NORD-LOCK washers positively lock the fastener in a joint which is subjected to any kind of vibration or dynamic loads.

REPLACE the NORD-LOCK washers if the cam surface is worn and corners are rounded or if the pair does not seat cleanly against each other

## WHEEL INFORMATION SHEET