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Precision Bolting Ltd.
Newsletter
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Precision Bolting Ltd. is the distributor of Superbolt®, Nord-Lock® and Taper Line® products in Western Canada. With specialized knowledge in the bolting field, Precision Bolting Ltd. will be able to assist with any bolting questions you may have.

Our location in Edmonton, AB is able to machine and produce custom fasteners and other custom machined products to suit your application.

In This Issue...

We discuss what a Superbolt® Multi-Jackbolt Tensioner is and why it's important for many bolting applications. We also look at the difference between tension and torsion and why these forces must be considered when trying to achieve the desired and accurate preload.

How it works...

Due to the fact that the force that is being applied by the jackbolts is in pure tension, as opposed to torsion, MJTs are able to achieve massive preloads with a very small torque input; in fact, MJTs can be installed using only hand tools. Torquenuts™ also add elasticity and increase the fatigue life of the fastener. Hand tool installation is also vital in increasing accuracy and safety. This ensures that the integrity of the bolted joint is maintained over the course of its usage.

What is a Superbolt?

A Superbolt® is a multi-jackbolt tensioner (MJT) that is designed to be a replacement for standard hex nuts, cover nuts, bolts, etc. The most common MJT is a Torquenut™.

A Torquenut™ consists of three parts:

- 1) Nut Body
- 2) Jackbolts
- 3) Hardened Washer

By tightening the jackbolts, a strong clamping load is developed. The load is transferred through the nut body and onto the main thread.

