

Use of HydraNuts increases production in Mining

Use of Technofast HydraNut hydraulically actuated nuts has earned the Australian Mining Industry many thousands of dollars in reduced downtime and increased production.

They are used on the drum and drag pedestal to quickly and accurately load the pedestal bolts.

These bolts were traditionally slogged or hydraulically torque tightened. During this tightening, the torsional forces could move the alignment of the drum, causing rework.

Because the HydraNut directly tensions the bolt, there are no torsional stresses applied and therefore no relative radial movement of the nut face to the adjoining face. This stops movement of the alignment. It also prevents damage to the abutting faces and thread the interfaces.

HydraNuts are a direct replacement for existing nuts and are simply fitted in minutes using a hydraulic pump.



A known load is applied to the bolts so there is no danger of either over or under loading of the joint.

Any critical bolting application will benefit from the use of HydraNut, which has been used for many years to solve fastening problems.

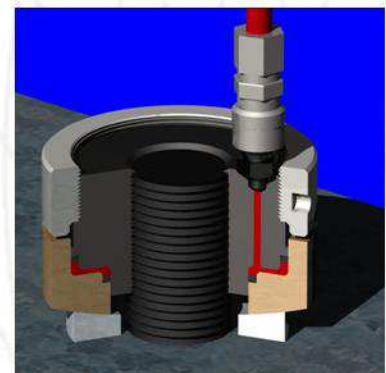
How does it work?

The HydraNut is screwed into position onto the bolt. The quick connect coupling is connected and pressure is applied by a hydraulic pump.

The hydraulic force applied equals the pressure times the hydraulic area and is therefore a known load.

The bolt is stretched and the locking is wound down to seat on the top face of the piston.

The hydraulic pressure is released and the hose is disconnected. HydraNut takes only minutes to tension any size of bolt.



Benefits

- Fast
- Accurate
- Simple
- Safe


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