

Quarrying Applications of HydraNuts

Use of HydraNut increases production in Quarrying

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

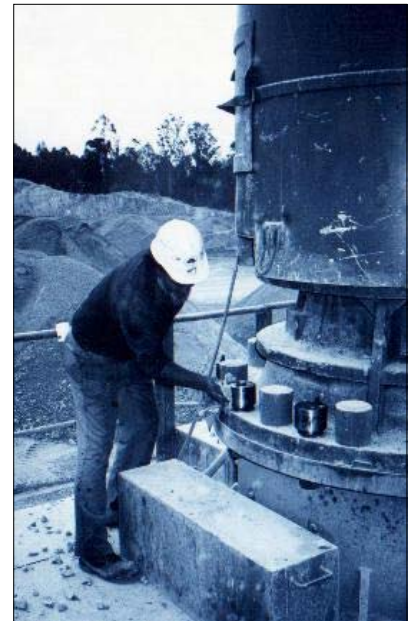
They are used on the half joint of gyratory crushers and the liners of jaw crushers to reduce the downtime during routine and emergency maintenance work.

Because the HydraNut directly tensions the bolt, there is no damage to the abutting faces and the thread interfaces preventing nut seizure.

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

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

Any critical bolting application will benefit from use of HydraNut, which has been used for many years to solve fastening problems. Especially useful in confined spaces and where reaction points are difficult.



Sample of HydraNut application

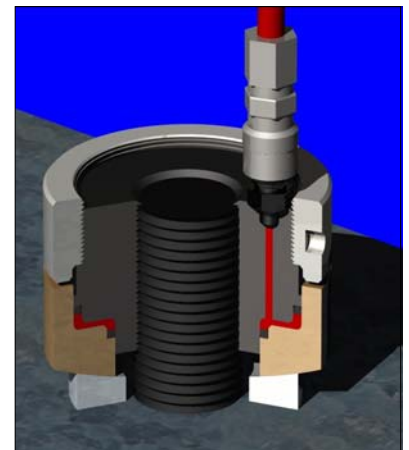
How do they work?

The HydraNut is screwed onto the bolt. The quick connect coupling allows pressure to be supplied by a hydraulic pump. A calculated hydraulic force applied to a known piston area results in a precise load being applied to the bolt. The bolt is "stretched" and the lockring is then wound down to retain the load.

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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$$\text{PRESSURE} \times \text{AREA} = \text{LOAD}$$

Quarrying Applications of HydraNuts



technofast
 precision engineered solutions

EziTite HeadNut



Simple to install



Top Shell retained by HydraNuts



Suitable for confined Areas



Front Jaw retained by HydraNuts



Multiple tensioning of HydraSures ensures an even load around the face



Technofast package including PolyWasher and special bolts

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