



EziTite[®] Hydraulic Bolt

The EziTite[®] Hydraulic Bolt is a precision engineered, high pressure, high performance, hydraulically operated bolt tensioning device that can be quickly and easily fitted and used with standard pumping equipment (eg. Technofast's hand operated, Electric Hydraulic or Air Hydraulic Pumps).

The Hydraulic Bolt is extremely resistant to vibration and shock loads. Hydraulic Bolts are used to minimise the time required to carry out critical bolting procedures. It is manufactured in a choice of steel or stainless steel of tensile strength to suit the required application.



Features

- Standard Range—20mm (7/8") to 100mm (4") bolt diameter.
- Unique Lockring thread technology ensures maximum retained load.
- Spherical seat gives alignment to joint face.
- Variety of seal designs for temperature/pressure requirements.
- Quick connect fittings.
- Stroke Indicator.

Currently used in:

- Mines
- Quarries
- Steel Mills
- Steel Recyclers
- Manufacturing Plants
- Power Stations
- Desalination Plants
- Wind Farms
- Construction / Heavy Industry

Applications

EziTite[®] Hydraulic Bolts are designed for many applications eg: where vibration or restrictive spaces can be a problem, a few examples of applications are:

- Vibrating Screens
- Flanges
- Reactors
- Autoclaves

Suitable for:

The EziTite[®] is suitable for use where:

- Accurate and reliable loading is required on bolting.
- Vibrational or torsional stresses are a problem.
- Regular maintenance requires repeated adjustment or removal of nuts.
- There are confined and difficult nut locations.

All standard Hydraulic Bolts fitted with CEJN type male snap fittings, 1/8" BSPP porting and bleed plugs

- Hydraulic Bolts supplied with spherical washers as standard.
- Hydraulic Bolts may be supplied with a Nut & flat washer
- Maximum pressure of standard Hydraulic Bolts is 100 Mpa (custom designs may be higher)

Operation

The EziTite[®] assembly replaces the ordinary bolt on the application. Hydraulic pressure is then applied through the nipple fitting on top of the nut body into the sealed chamber, forcing the piston and the nut body apart, thus stretching and tensioning the bolt through the joint.

The threaded lockring, mounted on the piston, is then screwed against the abutting face to retain the induced load in the bolt. The pressure is then simply released and the hydraulic coupling removed from the nipple fitting to complete the operation. This guarantees no galling of threads, no torsional stresses and ease of future removal as lock ring is unscrewed without friction.



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