

# SCREEN BOLTS—Hydraulic Bolts used in MINING Application

## Hydra-Bolt improves Screen efficiency

Titan HydraBolts: Designed to reduce screen maintenance downtime and ensure a problem free mechanical joint.

Hydraulic bolt tensioning using HydraBolts provides joint integrity by applying an accurate load evenly over the total joint face.. Ease of removal is assured.



*\*Fast*                      *\*Accurate*  
*\*Simple*                  *\*Safe*



Titan Hydrabolts are engineered to be a direct replacement for existing screen bolts. They are fitted in minutes using a simple hydraulic pump.

No torsion stress is induced into the bolts. By axially loading the fastener there is less loss of bolt load resulting in better joint integrity.

- No Galling
- No Thread Damage
- Effortless Removal
- Less Down Time

## How does it work?

Using the simple formula **pressure x area = load**, hydraulic fluid is introduced into the Hydraulic Chamber to sufficient pressure to give the required bolt load.

This elongates the bolt, creating a gap between the threaded lock-ring and the piston. This gap represents the bolt elongation and is taken up by screwing the lock-ring down to seat on the piston face.

The pressure is released and a known load is now retained by the lock-ring.

Removal is by simple reversal of the above procedure.

