

SHEAR STUD

PRECISION SHEAR ACCESSORY

INNOVATION REVEALED

The **Shear Stud** is used in all MAGNUM hydraulic absolute pressure TCP firing heads. It is precisely machined to shear within +/- 5% of its rating.

FEATURES

- Available in sizes: 1,000 PSI (6.9MPa) to 13,000 PSI (89.7MPa) in increments of 250 psi (1.7MPa)
- Custom Orders also available
- Accurate to within 5%
- Safe, economical, simple and reliable
- Single shear stud pressure setting
- Easily adapts to all pressure activated firing systems

OPERATIONS

The Shear Stud is fastened to the firing pin and positioned above the initiator. A calculated predetermined pressure is applied at surface down the work string. This pressure acts on the surface area of the firing pin. When sufficient pressure is applied the shear stud will shear and the applied pressure will hammer the firing pin into the CP initiator, initiating the explosive train. If tubular specifications allow, exceed the applied pressure to the shear stud rating by 10-15%.

NOTE: When installing the shear stud, **DO NOT** tighten/torque through the Shear Groove.

WARNING: Only qualified personnel should use or assemble Magnum TCP equipment. Use of Magnum TCP equipment in contrary to our specifications may result in property damage, injury or fatality. If you are not trained in the handling and the use of explosive devices, **DO NOT** attempt to assemble any Magnum Perforating Systems or Magnum Firing Devices.

