



PRESSURE ACTIVATED FIRING HEAD

The Hydraulic Pressure Activated Firing Head is used for pressure firing of the TCP Bottom hole assembly in highly deviated wells, horizontal wells or used as a backup firing system to the Drop bar Firing head.

A dual (main plus backup) Hydraulic Firing head option is also available.

This tool uses precision shear stud technology with an accuracy of +/- 5%.

The TCP bottom hole assembly is correlated in position and the packer set. After the surface tree or Flow head is in place and the well secure hydrostatic pressure is applied down the work string. The combined pressure then enters into the firing head through the pressure ports shearing the shear stud in turn releasing the firing pin, the firing pin strikes the detonator it initiates the explosive train in the gun system.

Note: Downhole hydrostatic and applied pressure calculations must be carefully calculated to insure proper selection of the shear stud.

Features and Benefits

- ✓ ***Simple design safe and economical***
- ✓ ***Can be converted to a drop bar firing head***
- ✓ ***Accepts Industry standard Detonators***
- ✓ ***Can be easily redressed between runs***
- ✓ ***Pressure rated to 15,000psi***

A feature that is available is to combine a Firing Head with Automatic Gun Release. This feature allows the operator to safely detonate and drop a perforating assembly.

The firing head is initiated and the detonation train takes place firing the guns, after a short delay the gun assembly is automatically released into the wellbore rat hole leaving behind an open ended tubing with a wireline entry guide profile