

Hydril Pressure Control Wireline Shear Ram

Change blocks without changing
the cavity

Pressure Control Equipment: Blowout Preventers

Applications & Benefits

The Hydril Pressure Control Wireline Shear ram maintains the functionality of other blind shears but, when it comes time to use completion tools or DST tools in the well, it goes beyond normal shearing standards. The Wireline Shear reliably cuts through braided wireline, common sizes of drill pipe, hydraulic control lines, or various combinations of these. Plus, it can do all of this using existing BOP cavities, without any modification being required.

Key Features

The Wireline Shear is used in our Hydril Pressure Control 18-15 Compact™ or conventional ram BOPs and includes features such as:

- No rework of the BOP cavity required; wireline shears are retrofittable to existing BOPs
- Patented interlocking design maintains the tight tolerance gap required to shear braided wireline cables and also allows the cutting of pipe sizes handled by conventional blind shear rams



The Hydril Pressure Control Wireline Shear Ram Advantage

When it's time to replace your shears, eliminate the cost of sending your BOPs to the shop by using the Hydril Pressure Control Wireline Shear. This product can be installed in the field, without a change to the cavity, minimizing downtime. The process is quick and easy, saving valuable rig personnel time and energy.

Engineering Data

- Completed 266+ open/close cycles and 38+ pressure tests at 15,000 psi
- Sheared 5" drill pipe with three wireline cables
- Sheared 5½" drill pipe with single wireline cable
- Sheared wireline cable in center of wellbore and at wellbore wall with no cable tension
- Sheared 8.28" OD, 0.66" wall, 95 ksi drill pipe with three pieces of coiled tubing, three pieces of 7/16" wireline cable, and 16 hydraulic control lines made of 3/8" 316 stainless steel



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GE imagination at work