

Casing Accessories

Casing and cementing are essential to drilling oil and gas wells. Lining a hole with casing keeps it from caving in after it is drilled, sealing the wellbore from encroaching fluids and gasses. Cementing the casing in place attaches it firmly to the wellbore wall and stabilizes the hole. Casing and cement both serve additional, important functions in the well.

Float Equipment

Float shoe runs on the first joint of casing to be run into the hole to help manoeuvre the casing past annular irregularities. The shoe includes an open end and side ports to enable fluid circulation for mud conditioning, hole cleaning and cement placement. It can be equipped with one or two valves and other features like self-equalizing.

Float collar contains a backpressure valve that prevents fluids from entering the casing while the pipe is lowered into the hole and prevents cement from flowing back into the casing after placement, while enabling circulation down through the casing.

Plugs

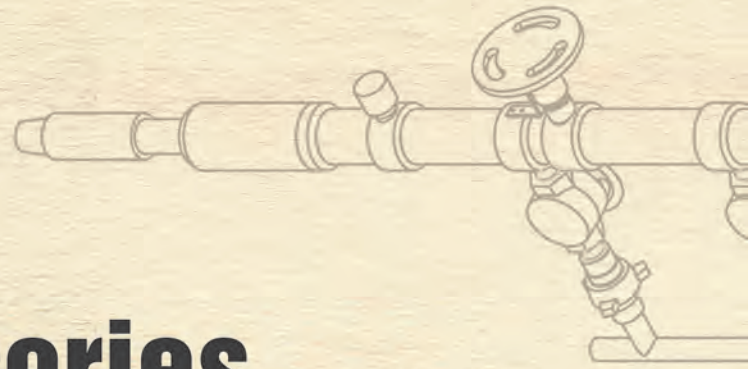
Bottom plug is pumped ahead of the cement slurry and behind the spacer. It wipes any remaining dispersed mud from the inner diameter of the casing as it moves down the string.

Top plug is dropped and pumped behind the slurry. The top plug wipes cement from the inner diameter of the casing and then seats at the float collar, resting on the bottom plug and causing a pressure increase at the surface indicating that the cement has been displaced.

Casing centralizers

Centralizers are an integral part of the cementing process. They provide the mechanism that centres the casing in the hole and allows uniform cement flow around the casing to help protect it at all points.

Bow-spring centralizers help centre the casing in the wellbore during cementing operations, allowing the cement to be evenly distributed around the casing string.



Latch-on Stop Collar with friction lock

The HPOGC Latch-on Stop Collar uses a bolt lock to friction lock the holding forces up to 10 times the API allowable starting for bow spring collar to the casing. Application of standard torque will result in centralizers. The collars are manufactured using carbon steel collars featuring internally locked hinges and reinforcing ridges formed on the collars. 3/8" bolts are used in conjunction with washers and an oversized hex nut for locking the collar to the casing. The bolt, nut and washer are plated for corrosion protection.



TOP DRIVE CEMENT HEAD

The HPOGC TOP DRIVE CEMENT HEAD (TDCH) is used on rigs that employ a top-drive drilling system or a power swivel as the drill string power source. The unit is particularly beneficial in cementing operations when used in conjunction with rotational and reciprocating liner assemblies.

The cementing head provides a means of introducing cement, and/or other fluids, into the work string below the top-drive unit without interrupting rotational or vertical movement. A ball drop is also incorporated into the manifold to hold the setting ball for the Hydraulic Liner Hangers.



Thread Lock

HPOGC Thread Lock is a two part compound that locks the float equipment to the casing to prevent rotation during drill out operations.



Ordering Casing and Cementation Accessories

In order to provide the right equipment and accessories, it is required to provide the following information along with the general information:

- Name of the product
- Casing weight and grade
- Connection Type and Model
- Openhole or host casing information
- Upper casing information
- Burst and Collapse Rating

