



We do - you succeed!

CASING HARDWARE



As quality has always been our main concern being one of the key player in the Oil & Gas, Mining Industries **Middle East Supplies FZC** supply casing hardware from worldwide manufacturers which production lines are carried out in a world wide standard granted by American Petroleum Institute Quality Management System.

Bow Spring Casing Centralizers:

Bow Springs, welded and non-welded, are made from high quality steel which has been heat treated and hardened tempered to ensure proper and consistent spring characteristics.

Semi Rigid Centralizers:

These centralizers are designed for small clearance casing to hole size applications.

The centralizer will perform as a standard bow centralizer in holes up to 1/2" smaller than the centralizer's nominal OD. When run in hole less than 1/2" smaller than the OD, the center of the centralizer will contact the casing OD, performing as a rigid centralizer. With high restoring force on less spring deflection, this centralizer is excellent for deviated and horizontal well bores.

Solid Body Spiral Blades:

This design is to provide optimum flow with blades

overlap the entire 360 degree open-hole circumference. Provide reduced flow area between the spirals and create vortex motion to increase fluid velocity with direction.

Extra length of blades gives maximum centralization, high standoff and increase annular turbulence.

Stop Collars:

Stop Collars are designed to be installed at both lead and tail of the centralizers bends to hold out its body.

Float Equipment:

Both Float collar and float shoe are designed to endure extreme down-hole conditions.

The products are used to guide the casing in the hole, float the drilling fluid and slurry cement into the formation hole, reduce circulation pressure, hydrostatic head and contamination effect in the cementing process, provide landing seat for plugs and to help prevent cement re-entry to the casing after displacement.

Cementing plugs:

This product line includes regular top and bottom plugs and non-rotating plugs. The regular plugs are designed to land and seal on floating equipment.

The non-rotating plugs are designed to minimize drilling time.



REG Bottom Plug



REG Top Plug

Stage collars:

The Hydraulic and Mechanical stage collars has been designed for stage cementing applications where the operator wants flexibility over opening the stage collar.

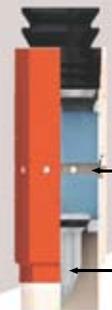
The hydraulic stage collar is used in highly deviated and horizontal applications.



Top/Closing Plug



First Stage/
Flexible Plug



Fluid Ports

Free Fall
Opening
Device

Free Fall Opening Device

Battle Plate



Bow Spring Casing



Semi Rigid



Solid Body Spiral Blades



Stop Collars



Float Equipment

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