COMPLETION OIL TOOLS

A-Best in Class Global Manufacturer of Downhole Tools

CATALOGUE

FLOAT EQUIPMENTS & CENTRALIZERS

www.completionoiltools.com

COMPLETION
OIL TOOLS®

CORPORATE PROFILE

COMPLETION OIL TOOLS PRIVATE LIMITED, is a recognized Manufacturer and Global Supplier of Downhole Completion and Production Tools in a widespread range for the Oil and Gas domain established and managed by highly experienced oil field engineers, located at **B35 (C2) Near Fire Station IID, RIICO IND. Area, Khuskhera, Alwar, Rajasthan, India, Pin - 301707**. Our products match with highest quality & reliability standards similar to an international major in the Oil Tools Industry.

As a leader in the Oil & Gas sector, **COMPLETION OIL TOOLS®** offers widespread range of optimal quality Downhole Completion Equipment, with a deep understanding of your valued rig time and ensuring your project goals are realised in a safe and cost effective way.

OBJECTIVE

Complete Customer's satisfaction to meet mutually agreed requirements is our objective, being achieved with the forte of cost effective design, for the first time and every time, while protecting the well-being of all personnel, assets and the environment.

COMPLETION OIL TOOLS® is committed for consistent development of challenging technologies/solutions that helps our clients with their direct involvement, feedback and association, through an extensive research and development (R&D) investment, to maximize the value of their oil and gas assets, moreover timely supply of quality Products and Services in cost effective manner.

These objectives are achieved through a commitment of understanding and applying defined business processes, complying with established standards and implementing continual improvements. Rigorous attention will be given to achieve error-free processes, products and services while maintaining a safe environment.

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BOTTOM SET JET SWIRL SHOE

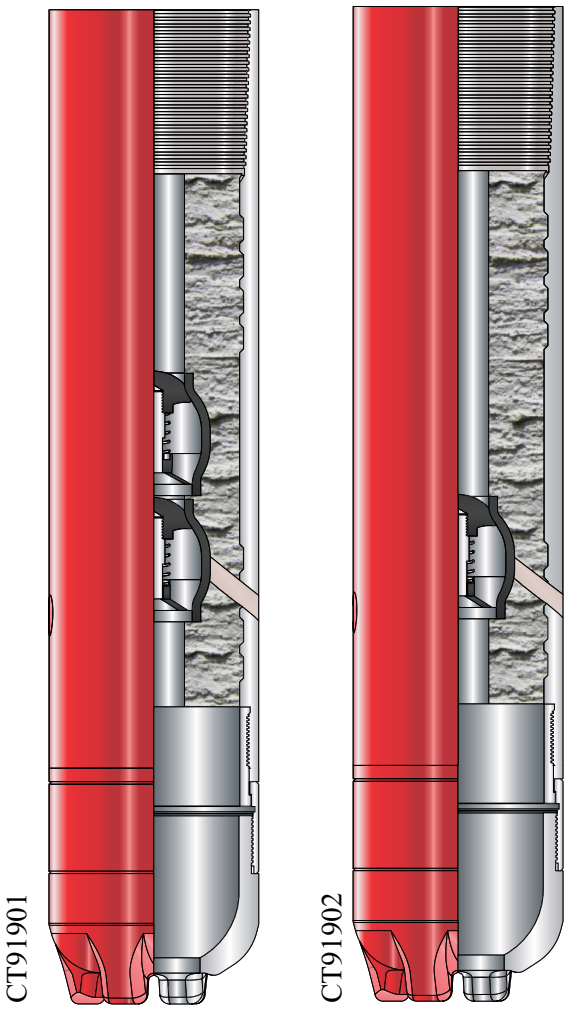
- ❑ CT91901 DOUBLE VALVE
- ❑ CT91902 SINGLE VALVE

DESCRIPTION

Double / Single Valve Bottom Set Jet Swirl Shoe is designed for running and cementing liner assemblies. Special features which makes it different from conventional primary cementing shoes are as follows:

FEATURES & BENEFITS

- ✓ It has spade nose with anti-rotation fins which allow the liner to remain static which helps to release the work string from the liner assembly.
- ✓ Bottom Set Jet Swirl Shoe has down circulation ports which helps in cases when the liner is set close to the bottom of the hole and may encounter cuttings and other well debris. These ports helps in the flow of cement in these debris filled applications.
- ✓ Mostly use when the liner is set on bottom
- ✓ Internal components are made of materials, compatible for fast and easy PDC drillable. The unique design of the molded rubber seal avoids erosion of the seals by the circulating fluids, ensuring a positive seal at conclusion of the liner installation.
- ✓ The body of the jet swirl is manufactured of material matching the grade of the liner casing, which gives performance equal to or greater than that of the liner casing.

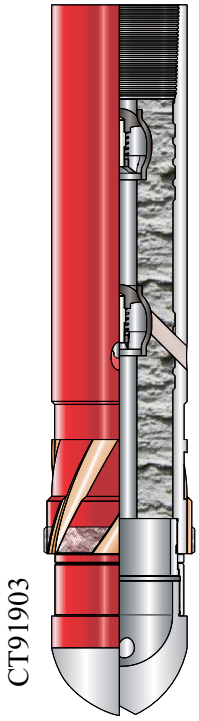


DOUBLE VALVE REAMER SHOE

- CT91903

DESCRIPTION

Reamer Shoe with Double valve has reaming capacity to pass through obstruction during lowering of liner. Tungsten Carbide composite facing is provided to negotiate drilling and reaming through zones with obstructions and also Aluminum guide is provided at the bottom of the shoe. All internal parts are made of component which can be easily drilled. The valves are spring loaded Poppet type valve.

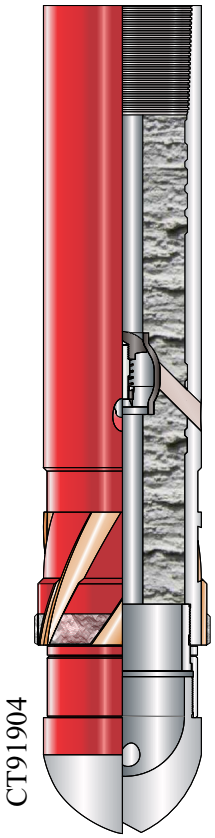


SINGLE VALVE REAMER SHOE

- CT91904

DESCRIPTION:

Reamer Shoe with single valve has reaming capacity to pass through obstruction during lowering of liner. Tungsten Carbide composite facing is provided to negotiate drilling and reaming through zones with obstructions and also Aluminium guide is provided at the bottom of the shoe. All internal parts are made of component which can be easily drilled. The valves are spring loaded Poppet type valve.



JET SWIRL SHOE

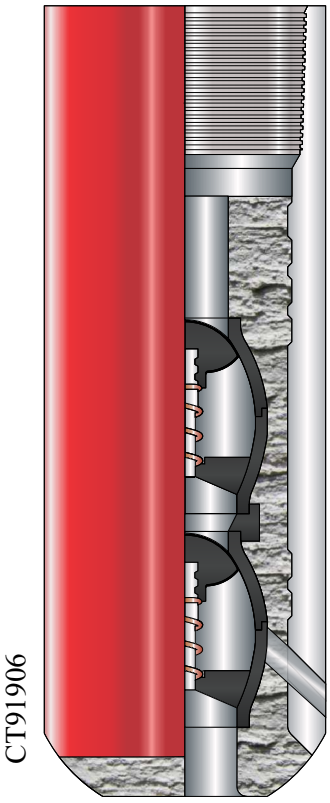
- ❑ CT91905 SINGLE VALVE
- ❑ CT91906 DOUBLE VALVE

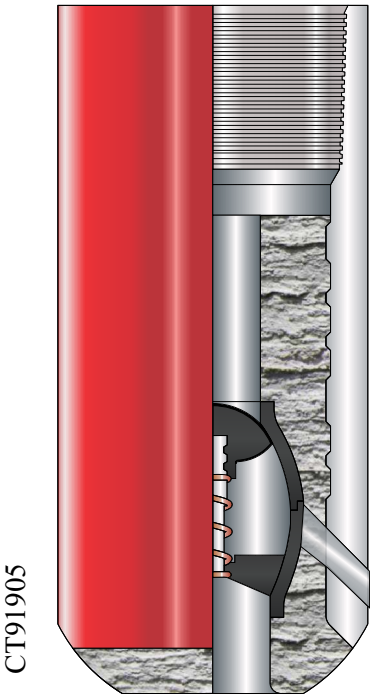
DESCRIPTION

Double / Single valve jet swirl is designed for running and cementing liner assemblies with the contingent ability to be set on bottom in the event the liner does not hang. Special features which makes it different from conventional primary cementing shoes are as follows:

FEATURES & BENEFITS

- ✓ Internal components are made of materials compatible for fast and easy PDC drillable.
- ✓ The float body is tested and rated as per API recommended practice 10F.
- ✓ The unique design of the molded rubber seal avoids impingement and erosion of the seals by the circulating fluids, ensuring a positive seal at conclusion of the liner installation.
- ✓ The body of the jet swirl is manufactured of material matching the grade of the liner casing, which gives performance equal to or greater than that of the liner casing.


CT91906

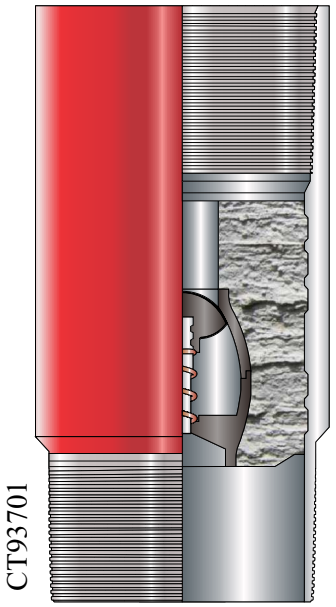

CT91905

CEMENT FLOAT COLLAR WITH SINGLE VALVE

- CT93701

DESCRIPTION

Cement Float collar prevent the backflow of cement into the liner after the plugs have been bumped and pressure is released, it is run 1 or 2 joints above the float shoe and also provide surface for the landing of bottom and top Plug. It can be easily drilled.



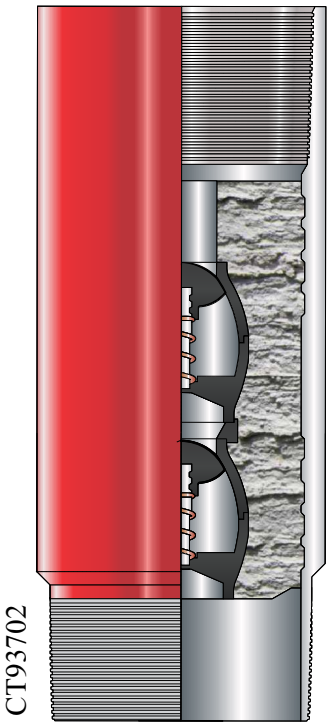
CEMENT FLOAT COLLAR WITH DOUBLE VALVE

- CT93702

DESCRIPTION

Float Collar allow operator to maintain a constant fluid height inside the casing of a well. As fluid is allowed to enter through the bottom of the casing, the system maintains a constant differential pressure between the inside and outside of the casing at the floats to ensure constant fluid height within the casing.

A spring-loaded valve in the fill-up unit regulates filling. When hydrostatic pressure outside the casing exceeds the spring tension, fluid is allowed to enter the casing; when pressure inside the casing combines with spring tension exceed the pressure outside the casing, the valve closes.

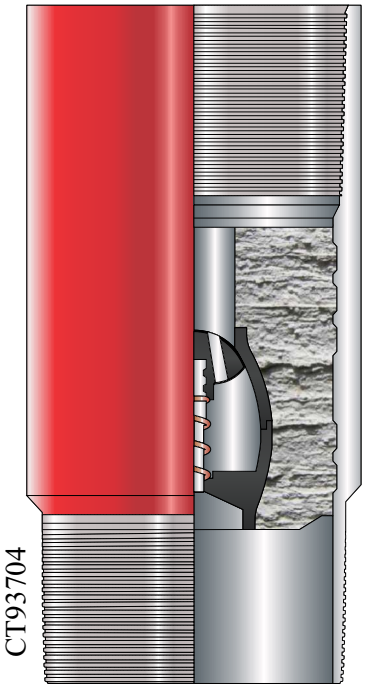


ORIFIC FLOAT COLLAR WITH SINGLE PLUNGER VALVE

❑ CT93704

DESCRIPTION

Orifice Float Collar is used for cementing Tieback applications, and the PBR Seal Nipple is combined with a ported Orifice float collar. The Orifice Float Collar is designed with small diameter drilled hole through the float valve to allow fluid by-pass and preventing hydraulic lock as the Seal Nipple stabs into the PBR after cement is in place. A Polish Mill is run to clean out PBR before stabbing the seal nipple



FEATURES & BENEFITS

- ✓ Cement filled for easy drill up
- ✓ Prevent hydraulic blockage as the seal assembly is installed in the receptacle
- ✓ Allow a linear extension to be filled as it is run
- ✓ Serve as a stop for a cement plug during a Tieback

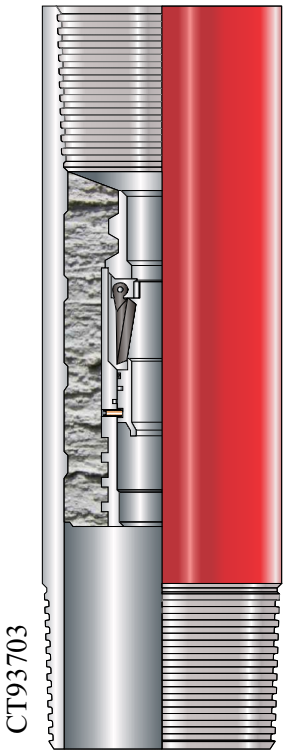
AUTO FILL CEMENT FLOAT COLLAR

❑ CT93703

DESCRIPTION

Auto fill cement float Collar permits the casing to fill automatically while being run into the hole. The Flapper valve is always is in the open position allowing maximum filing of the casing as it is lowered into the well bore. This is especially effective on liner job and sensitive hole conditions.

The circulation may be established at any time during or after casing is run. The flapper type back pressure valve does not become operative until the drop ball is dropped or pumped down. All auto fill cement float collars are PDC drillable.



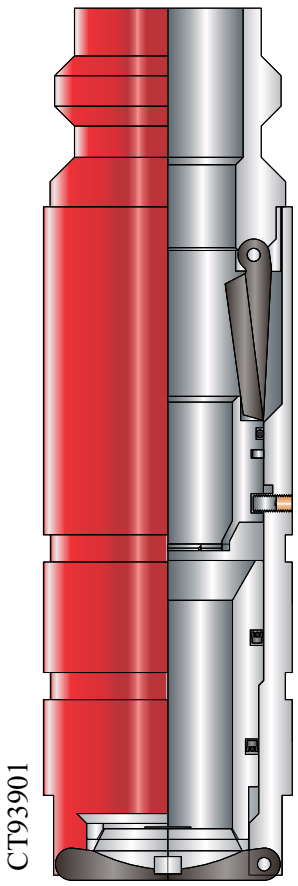
CIRCULATING DIFFERENTIAL FILL-UP COLLAR

❑ CT93901

DESCRIPTION

Differential fill-up equipment allows 90% casing fill-up during running-in, reducing surge pressure caused by the piston effect of running in restricted I.D.'s. Use of differential collar provides additional buoyancy by allowing only 81% casing fill-up further enhancing works efficiency.

Differential Collar is pressure and cementing plug activated. Circulating can be established at any time while running in. Dropping a ball converts the differential valve to a regular back-pressure valve. When Shoe and Collar are run together, dropping one ball converts both units.



FEATURES & BENEFITS

- ✓ **Easily convertible to conventional valve-** Converted to conventional one-way check valve by dropping a ball and pressuring up to release the upper flapper.
- ✓ **Various ball size** - conversion ball is available in various size i.e 1-1/4" , 1-1/2" , 1-3/4".

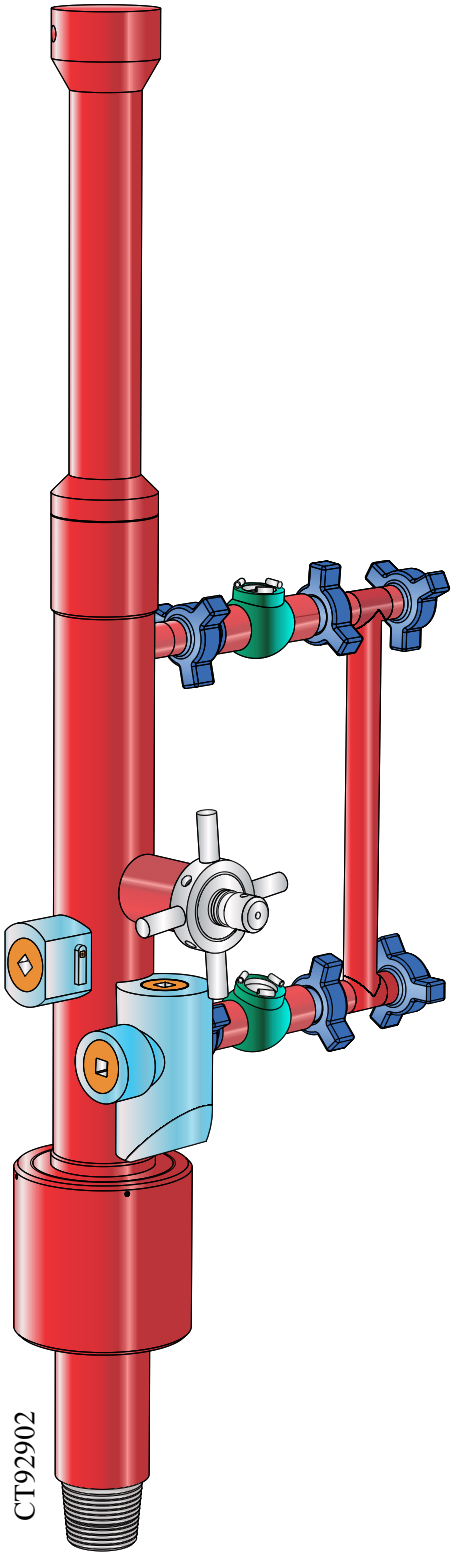
CEMENTING MANIFOLD

❑ CT92902

DESCRIPTION

Cementing Manifold is attached to the top joint of the Running in String.

This will allow a pump down plug to be released from the surface without breaking a connection or hammer union. An elevator lifting neck is included at the top, and a heavy duty swivel at the lower end to allow reliable rotation of the running string. An external manifold with two full-opening plug valves direct the flow of mud and cement below or above the pump down plug as required.



FEATURES & BENEFITS

- ✓ **Swivel assembly**- The swivel portion incorporates double seals and heavy-duty bearings which ensure easy rotation of the running string. Heavy duty bearing provide reliable rotation at high RPM.
- ✓ **High Tensile Rating-** Heavy duty construction will handle heavy loads.
- ✓ **Easy Loading of Plugs-** We can load the Plugs By removing the lifter sub.
- ✓ **Flag sub indicator**- Indicator provides proper indication that cementing plug has release from the Cementing Head.

CEMENTING MANIFOLD WITHOUT BALL DROPPING SUB & SWIVEL ASSEMBLY

❑ CT92903

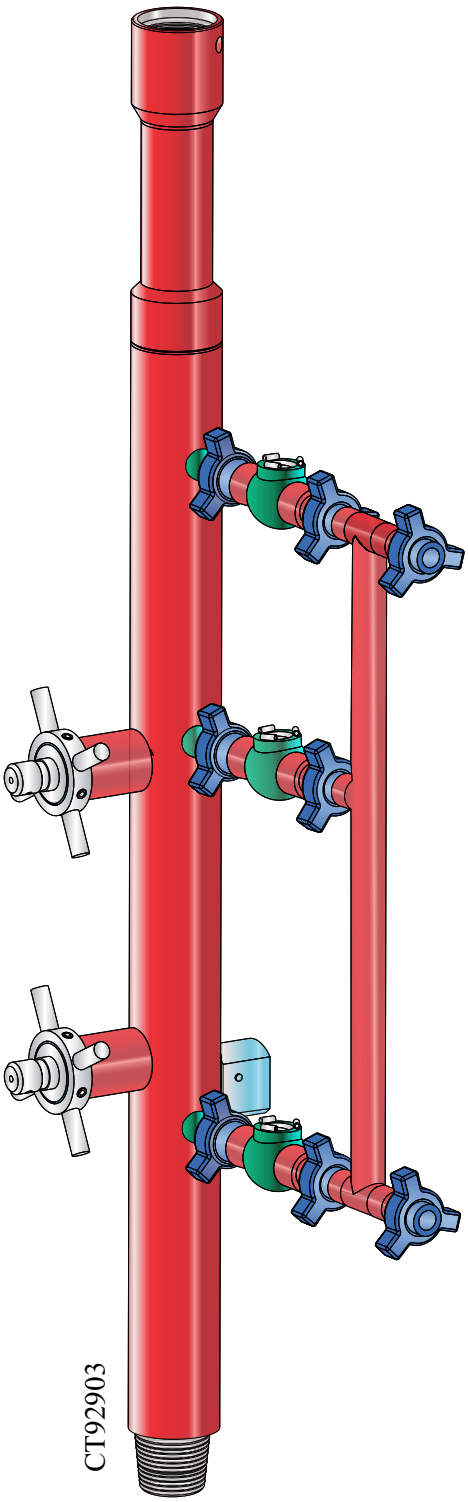
DESCRIPTION

Cementing Manifold is designed for use with conventional land based drilling and service rigs, as well as with offshore rigs not equipped with a top drive or using a conventional manifold.

The cementing Manifold retains the pump down plug in a position in which the plug can be released after the cementing operations are completed. The heavy duty design and construction of this assembly easily handles the tensile loads seen in deep drilling liner applications with sufficient capacity to handle any problems like stuck pipe that could occur while running a liner assembly.

Cementing Manifold is a robust cementation device which allows you to hang drill pipe weight by the rig elevators meanwhile retaining the plug to be released during cementing.

The Cementing Manifold also connects the cementing lines to the running string during liner operations.



FEATURES & BENEFITS

- ✓ **High Tensile Rating-** Heavy duty construction will handle heavy loads.
- ✓ **Easy Loading of Plugs-** We can load the Plugs By removing the lifter sub.
- ✓ **Flag sub indicator**- Indicator provides proper indication that cementing plug has left from the Cementing Head.

TOP DRIVE CEMENTING HEAD

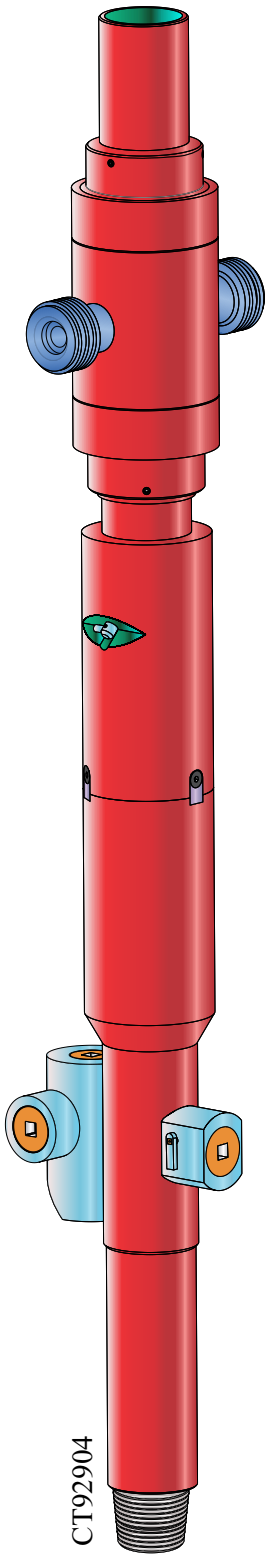
❑ CT92904

DESCRIPTION

The Hi-tech version of the Top Drive cement head provide convenient and highly reliable means for cementing operation. The tool is combination of a Swivel, Plug Dropping Head, Positive Ball Dropping Sub and Flag sub while utilizing only minimum possible length. This compact design provided by exclusion of tool joint connections result in reduction of make-up time at rig floor and is easy to handle.

FEATURES & BENEFITS

- ✓ **Manifold less design**- The internal bypass design eliminates the problem of confined spaces while rotating, ideal for use with top drive or conventional rotary rigs.
- ✓ **Single point pumping-** Provides provision of pumping displacement fluid as well as cement slurry from a single point.
- ✓ **Easily convertible for multiple plug application-** can be convert in double plug container by adding an additional body for any specific requirement.
- ✓ **Flag sub indicator**- Indicator provides proper indication that cementing plug has released from the Cementing Head.
- ✓ **Swivel assembly**- The swivel portion incorporates double seals and heavy-duty bearings which ensure easy rotation of the running string. Heavy duty bearing provide reliable rotation at high RPM.



TDCH® TOP DRIVE CEMENTING HEAD WITH DOUBLE PLUG

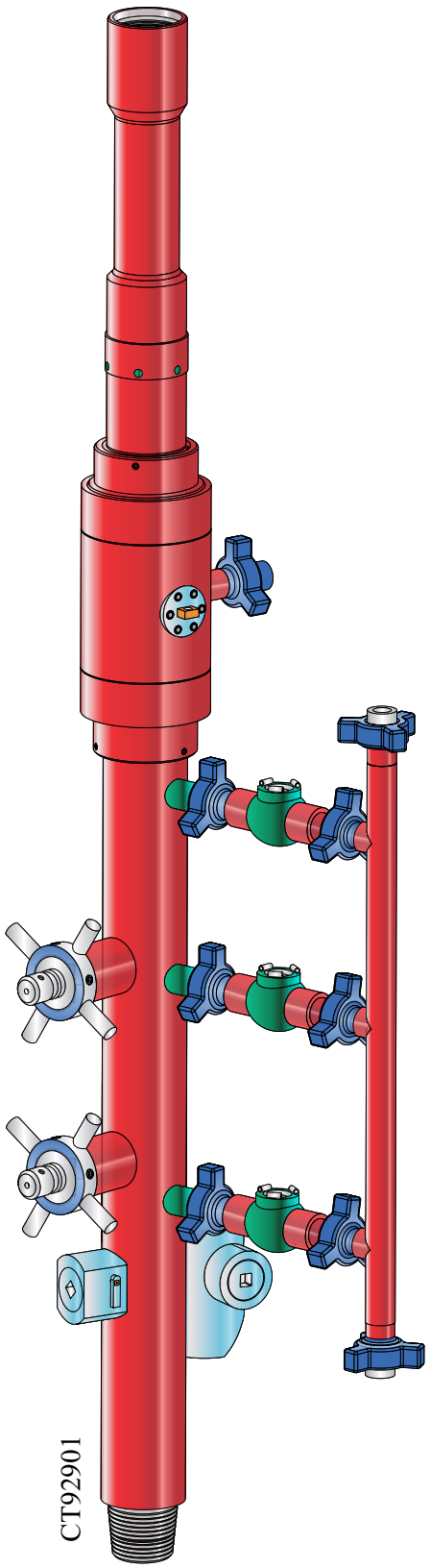
❑ CT92901

DESCRIPTION

The Integral Body Cementing Head suspends drill pipe weight from the rig elevators while retaining the plug which is to be released after completion of cementing. The cementing lines connect to the Cementing Head of running string during liner operations and incorporate a heavy-duty swivel assembly mechanism with taper roller bearing for easy string manipulation with the cementing lines in place.

FEATURE & BENEFITS

- ✓ **Swivel assembly-** The swivel portion incorporates double seals and heavy-duty bearings which ensure easy rotation of the running string. Heavy duty bearing provide reliable rotation at high RPM.
- ✓ **High Tensile Rating-** Heavy duty construction will handle heavy loads.
- ✓ **Easy Loading of Plugs-** Plugs can be easily installed by removing the lifter sub.
- ✓ **Flag sub indicator-** Indicator provides proper indication that cementing plug has release from the Cementing Head.



DOUBLE CAVITY CASING CEMENTING HEAD

- ❑ CT93001 (DOUBLE VALVE)
- ❑ CT93002 (SINGLE VALVE)

DESCRIPTION

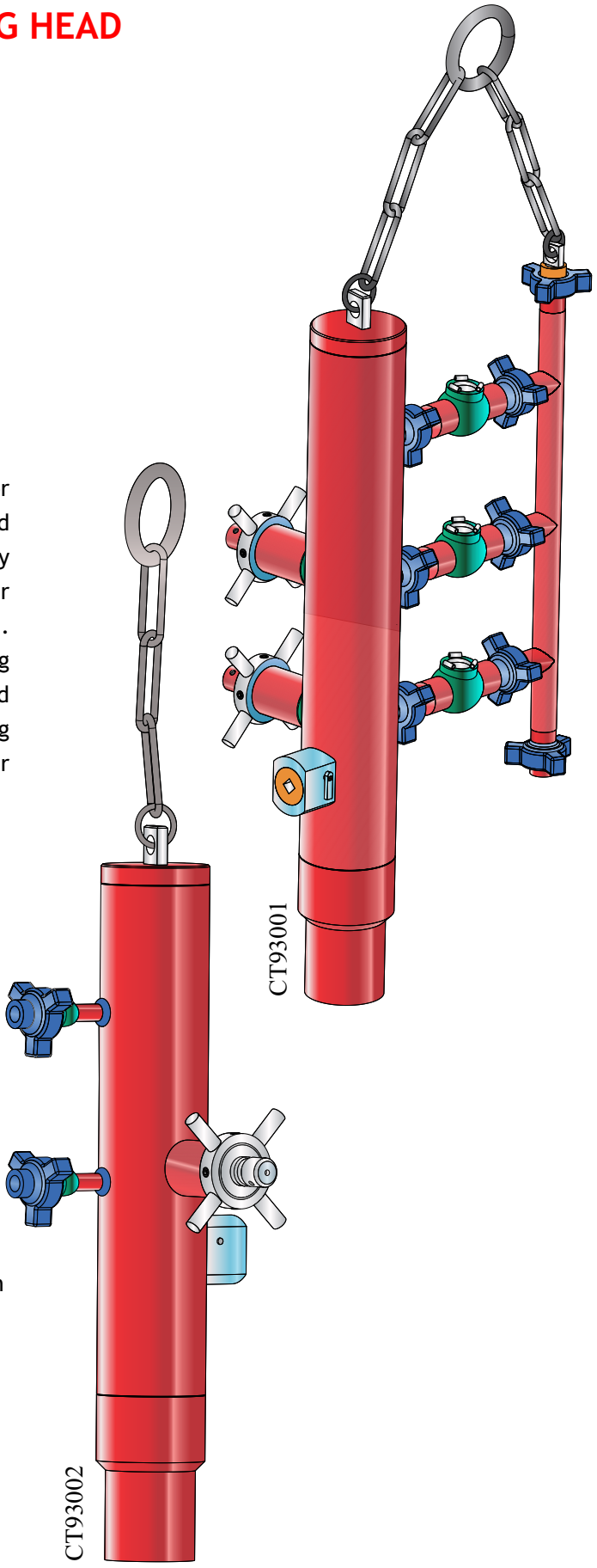
Casing Cementing Head is used for cementing the annular space between casing and bore hole during 2nd stage of well construction cycle. The cementing head is employed to connect the pumps of the cementing trucks to the casing string and provides access for insertion of the cementing plugs.

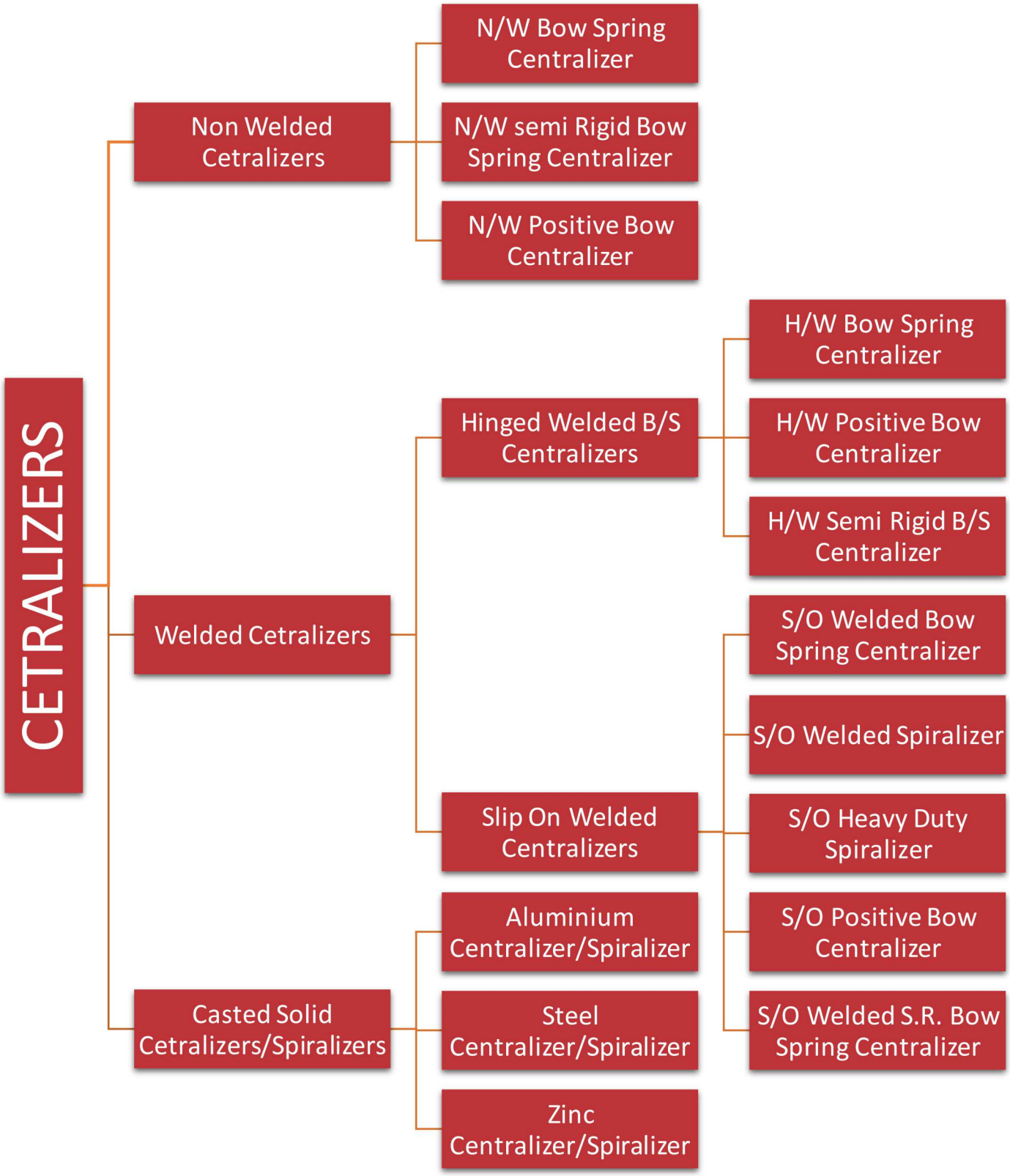
Cementing heads are available in sizes 4 1/2" to 20", for working pressure of 3,000 to 10,000 psi. Cementing head sizes & working pressures are inversely related. Generally for smaller sizes are high working pressure and for larger sizes less working pressure are the requirements. Cementing heads could be of single plug or double plug types. Caps are "Acme" threaded or quick lock type and fitted with swivel chain assembly. The double plug cementing head has three valve manifold and two plunger assembly.

FEATURES & BENEFITS

- ✓ Short and compact design- compact design makes handling easier on the rig and when transporting.
- ✓ High Tensile Rating- 4 TPI Acme internal connection with AISI 4140 heat treated material provides high tensile rating.
- ✓ Easy Loading of Plugs- We can load the Plugs By removing the Cap which is having Acme internal connection is easy to open without any requirement of torqueing.
- ✓ Plug Stopper- Innovative plug stop design eliminates potential for plug damage at the time of plug release.

Flag sub indicator- Indicator provides proper indication that cementing plug has left from the Cementing Head.




CETRALIZERS
Non Welded Cetralizers
N/W Bow Spring Centralizer
N/W semi Rigid Bow Spring Centralizer
N/W Positive Bow Centralizer
Welded Cetralizers
Hinged Welded B/S Centralizers
H/W Bow Spring Centralizer
H/W Positive Bow Centralizer
H/W Semi Rigid B/S Centralizer
Slip On Welded Centralizers
S/O Welded Bow Spring Centralizer
S/O Welded Spiralizer
S/O Heavy Duty Spiralizer
S/O Positive Bow Centralizer
S/O Welded S.R. Bow Spring Centralizer
Casted Solid Cetralizers/Spiralizers
Aluminium Centralizer/Spiralizer
Steel Centralizer/Spiralizer
Zinc Centralizer/Spiralizer

HINGED NON-WELD BOW SPRING CENTRALIZER

- CT96113

HINGED WELDED BOW SPRING CENTRALIZER

- CT96114

SLIP-ON WELDED BOW SPRING CENTRALIZER

- CT96115

DESCRIPTION

COMPLETION OIL TOOLS® Bow Spring Centralizers are high in quality, developed to comply API 10D specifications for use in the most demanding conditions. These centralizers combine the highest restoring force with the lowest starting force.

Premium quality bows which are made of special alloy steel with uniform hardness provide optimum performance. The bows with extended profile prevent their hitting against casing collars. The bows are available in a range to accommodate any well profile.

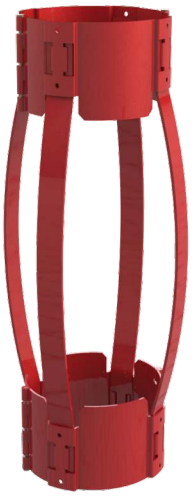
Quality steel and non-weld design ensure extra strong grip while integral hinges folded on the inside are connected by high strength locking pin for maximum structural robustness.

COMPLETION OIL TOOLS® Bow Spring Centralizers are used to position the casing in the centre of the wellbore in vertically, deviated and horizontal wells.

High restoring force combined with low starting force is achieved with all bow heights. Their installation on the casing pipe is very convenient. It requires only the placement of the two assembled halves on the pipe and inserting the pin in the end collar hinge. The centralizer when unassembled makes a compact package, reducing the shipping cost. Assembly at site is conveniently done.

Welded bow-spring centralizers are available in two styles: slip-on and hinged. Slip-on centralizers are manufactured with solid end rings, requiring the centralizer to be slipped on the casing OD during installation. Hinged centralizers are manufactured in segments allowing the centralizer to be installed easily around the casing OD. Hinge pins hold the segments together during installation. All welded bow-spring centralizers are manufactured to API 10D Specification.

The welded construction provides for superior strength with destructive tensional force up to 3-4 times higher than non-weld centralizer products. Designed to be installed over stop collars or casing couplings, this type is available in a wide range for casing and hole sizes.


CT96113


CT96114


CT96115

HINGED NON-WELD SEMI-RIGID BOW SPRING CENTRALIZER

- CT96116

HINGED WELDED SEMI-RIGID BOW SPRING CENTRALIZER

- CT96117

SLIP-ON WELDED SEMI-RIGID BOW SPRING CENTRALIZER

- CT96118

DESCRIPTION

Available in the size range 4 ½" to 20", this device ensures high efficiency in casing jobs on deviated and horizontal wells. Combining the features of a standard spring bow and rigid centralizer, it has bows manufactured from alloy steel tempered for exact hardness and a non- weld design to eliminate brittle spots. The spring characteristics of its double crested profile permit compression to facilitate movement through tight spot.

These centralizers are available in three categories i.e. Hinged Non weld, Hinged welded & Slip on welded.

Its Performance achieves the highest restoring forces and usually zero to minimum starting force and used in most types of well designs, most suited for horizontal and directional well designs.


CT96116


CT96117


CT96118

HINGED NON-WELD POSITIVE BOW CENTRALIZER

- CT96110

HINGED WELDED POSITIVE BOW CENTRALIZER

- CT96111

SLIP-ON WELDED POSITIVE BOW CENTRALIZER

- CT96112


CT96110

DESCRIPTION

As per design appearance, Positive Bow Centralizer is designed with positive steel channel bow which provides positive casing standoff. Positive centralizers are of three type's hinged non weld, hinge welded, slip on welded. COMPLETION OIL TOOLS® positive bow centralizers are uniquely designed with flat bottom U profile with different depths permitting maximum fluid passage. The flat U profile is fitted in self-locking retaining lips for firm and positive hold.

These centralizers significantly reduce frictional drag while being used in deviated holes. They provide almost 100% standoff when run inside a cased hole. They are supplied 4-8mm less than the inside diameter of the casing or hole size in which the centralizer is to be run.

The non-weld design eliminates brittle spots, enhancing durability. COMPLETION OIL TOOLS® positive centralizers are available in a size range of 4 ½" to 20".


CT96111


CT96112

HINGED NON-WELD BOW SPRING TURBOLIZER

- CT96201

HINGED WELDED BOW SPRING TURBOLIZER

- CT96202

SLIP-ON WELDED BOW SPRING TURBOLIZER

- CT96203

DESCRIPTION

Centralizers with turbo-fins attached to each bow spring are designed to create localized turbulent fluid flow at the centralizer. The turbo fins divert the fluid flow to more evenly distributing the cement around the casing. All welded and non-welded bow spring centralizers are available in the most common hole/casing sizes.


CT96201

Available in the size range 4 1/2" to 20", this sturdy non-weld device induces a spiral flow pattern in the slurry thereby increasing displacement efficiency. Fitted with specially designed multi-direction turbo fins, made of alloy steel in annealed state. This device improves the cleaning action of drilling fluids, distributes the cement slurry into wellbore irregularities and minimizes channeling.

Refer to Specification Guide of Bow Spring Centralizers.


CT96202


CT96203

HEAVY DUTY WELD SPIRALIZER-L

- CT96205

HEAVY DUTY WELD SPIRALIZER-R

- CT96206

SLIP-ON WELD SPIRALIZER-L

- CT96208

SLIP-ON WELD SPIRALIZER-R

- CT96209

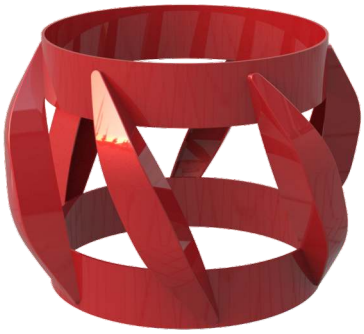

CT96205


CT96206

DESCRIPTION

COMPLETION OIL TOOLS® Heavy Duty Welded Spiralizers are high quality welded product which meets the specification. These have boat type bows which are welded with the end collars or pipe in controlled temperature conditions making use of correct grade electrodes. These are made in variety of categories such as have curved vanes with right or left orientation. They can be secured to the casing OD, or they can float between casing stop collars if the well casing is to be rotated during cementing.

- Reduce friction between the casing and the hole, allowing the casing to be inserted more easily into the wellbore.
- Help centralize casing in the hole, allowing an even distribution of cement around the casing during cementing operations.
- Improve cement bonding to the casing.
- Prevent the casing string from becoming differentially stuck.
- Break up gel pockets in the wellbore while casing is being run, improving drilling-fluid displacement during cementing.
- Increase fluid turbulence, removing filter cake on the wellbore face.


CT96208


CT96209

HEAVY DUTY WELD CENTRALIZER

- CT96207

SLIP ON WELD CENTRALIZER

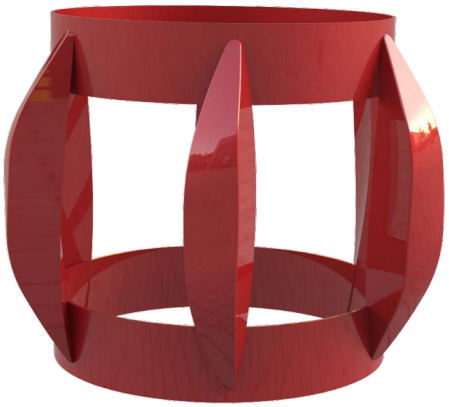
- CT96210

DESCRIPTION

The Straight-Vane Rigid Centralizer is used during operations in which casing centralization is a primary objective. The centralizer can be attached to the casing with set screws located between each vane, preventing casing rotation or reciprocation during cementing operations. If the casing will be rotated or reciprocated during cementing operations, the centralizer can float on the casing joint between the stop rings. A flexible ceramic coating can be applied to the entire turbulator to reduce friction. The rigid centralizer is normally 10" long, but it can be manufactured to any length as per the customer requirement. The vane ODs are typically ¼" less than the bit size used to drill the well. The centralizers are available in 2-7/8" to 20".

CT96207

CT96210



CASTED SPIRALIZER-LEFT [STEEL/ALUMINIUM/ZINC]

- CT96101
- CT96104
- CT96107

CASTED SPIRALIZER-RIGHT [STEEL/ALUMINIUM/ZINC]

- CT96102
- CT96105
- CT96108

DESCRIPTION

COMPLETION OIL TOOLS® manufactures spiral blade solid spiralizers. These are made of one piece high grade corrosion resistant aluminum cast and non-sparking metal-zinc alloy. They are high impact and shock resistant, possess high tensile and yield strengths and are wellhead friendly.


CT96101

They provide maximum casing or wellbore standoff, the prime requisite of an excellent primary cement job. This is irrespective of lateral loads. The straight blades are self-cleaning in nature and designed to enhance flow. They endure steep temperatures in the wellbore, friction factor is minimum, with reduced drag and torque, ensuring maximum fluid passage.


CT96104

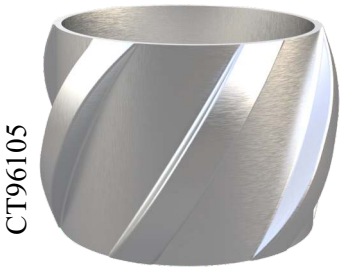
Spiralizers provide the almost wall contact and fluid swirl. They give optimum flow area in highly deviated and horizontal wells. The casing effectively reaches TD due to the sloping rare ends reducing drag. The slope also ensures that no balling between the vanes takes place, as scraping, gouging or digging into the formation is eliminated.

COMPLETION OIL TOOLS® Spiralizers are developed in response to the need for better cementing in highly deviated and horizontal wells. These are designed to provide optimum flow area. The 360 degrees over lapping solid vane provide maximum wall contact and fluid swirl.


CT96107

Reduced flow area between the spiral blades produces a vortex motion of the fluids for more fluid velocity with direction. These are made of high strength corrosion resistant cast aluminum and also non-sparking zinc alloy. The 30° slope of the vane end reduce drag and aids the casing in reaching TD. This gentle flow from the body to the height of the vane will eliminate scraping, gouging or digging into the formation and consequently reduce balling between the vanes. They also possess high impact and shock resistance combined with tensile and yield strength as well as resists corrosion.


CT96102


CT96105


CT96108

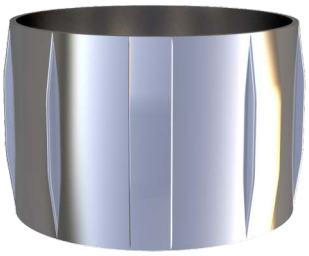
CASTED CENTRALIZERS [STEEL/ALUMINIUM/ZINC]

- CT96103
- CT96106
- CT96109

DESCRIPTION:

COMPLETION OIL TOOLS® straight blade solid centralizers provide the right features for getting a good primary cementing job with maximum casing/ wellbore standoff. These are constructed of one piece high strength corrosion resistant cast aluminum, steel or non- sparking zinc alloy as per the customer's requirement. They provide ultimate drag and torque reduction with maximum fluid bypass with low friction factor, withstand high wellbore temperatures while providing maximum horizontal standoff. Our centralizers are wellhead friendly and have high impact with shock resistance, optimum tensile and yield strength.

CT96103



CT96106

CT96109

CONDUCTOR PIPE CENTRALIZER

- CT96204

DESCRIPTION:

Conductor Pipe Centralizer are being used in Oil Well Rig in big well bore. These centralizers are very heavy duty centralizer. These are available with us for different hole size varying from 20" to 30" for respective casing sizes.

COMPLETION OIL TOOLS® Conductor pipe centralizers provide the right features for getting a good primary cementing job with maximum casing/ wellbore standoff. These Conductor pipe centralizers are constructed of two piece high strength corrosion resistant.

Conductor Pipe centralizers provide ultimate drag and torque reduction with maximum fluid bypass with low friction factor. Conductor pipe centralizers with stand high wellbore temperatures while providing maximum horizontal standoff.

COT® centralizers are wellhead friendly and have high impact with shock resistance, along with optimum tensile and yield strength.

CT96204

STOP COLLARS

HINGED BOLTED STOP COLLAR

- CT94902

DESCRIPTION:

An economical collar suitable for sub-critical annular tolerances. Available in the size range 4 ½" to 20", it has a cross bolt design which makes it an efficient and user friendly device.

HINEGD SPIRAL NAIL STOP COLLAR

- CT94903

DESCRIPTION:

Available in the size range 4 ½" to 20", this device can be set in both upset and non-upset casing to provide maximum clearance during rotation. It has a groove in the middle into which a spiral nail can be driven for improved grip on the casing. The broader band firmly grips the collar into position around the casing.

HINEGD STOP COLLAR WITH SET SCREW

- CT94904

DESCRIPTION:

Available in the size range 4 ½" to 20", this device has a high cost-utility ratio. This hinged collar with a row of set screws positions easily and firmly around the casing.

SLIP-ON STOP COLLAR WITH SET SCREW

- CT94901

DESCRIPTION:

This slip-on stop collar with set screw device is recommended for small whole operations. Available in size range 2-7/8" to 20" and is gripped on casing by a row of set screws. This is a heavy duty device.

CEMENT BASKET

Cement baskets are run on casing or liners above porous or weak formations that require protection from the hydrostatic pressure enervated by the cement column. They can also be used to help support a cement column near the well surface while the cement sets. In stage-cementing operations, one basket is run on the joint just below the stage tool and another is run on the string above the tool. Some operators pump their first stage of cement above the lower basket and allow the cement to set while they circulate mud for the next stage. The bridge that is formed helps support the upper cement column. Completion Oil Tools has two types cement basket.

HINEGD WELDED CEMENT BASKET

- CT96401

DESCRIPTION:

Available in the size range 4 ½" to 20", this device consists of flexible steel spring bows welded to hinged collars. Bows are hardened and tempered for maximum strength and uniformity. It is run on casing or liners above weak or porous formations to provide protection from hydrostatic pressure generated by the cement column. Its overlapping metal fins provide flexibility and fluid passage while maintaining optimum support characteristics.


CT96401

SLIP-ON WELDED CEMENT BASKET

- CT96402

DESCRIPTION:

Available in the size range 4-1/2 " to 20", this device consists of slip-on style made of high strength, flexible steel bows mounted on steel slip-on end collars with metal petals spot welded to one end of the collar. Bows are hardened and tempered for maximum strength and uniformity.


CT96402

PERFORMANCE:

- ✓ Aids in premature cement hydration to help reduce hydrostatic fluid column above a loss zone or weak formation
- ✓ Works similar in cementing applications like a coffee filter does in catching particles to form a bridge in the annulus to prevent cement from falling back.

APPLICATIONS:

- ✓ Used in most types of well designs.
- ✓ May be used in cased hole and open hole applications.
- ✓ The metal petals are convex shape for added strength and durability and afford great adaptability to expansion and contraction.

COMPLETION OIL TOOLS

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