COMITTMENT TO EXCELLENCE

Introduction

WellMax Oilfield Technologies Pvt Ltd, is a startup, engineering & technology organization providing single point solution for all our customers requirements. We specialize in design and manufacturing of highest quality Oil & gas equipment's complying with latest international standards. Be it Well completion Equipment's, Flow Control Equipment's, Liner Hanger Systems, Artificial Lift Systems, Coiled Tubing Solutions, Control Lines and Cementing Equipment's, we are one stop shop for all.

Mission

- Providing equipment's of highest quality complying with latest API and ISO standards and seek complete customer satisfaction.

Vision

- To be market leader in Oilfield industry by providing highest quality equipment's and services at economical prices.
- To achieve growth and prosperity for all the stake holders by meeting the needs of the customers.

WELLMAX
OILFIELD TECHNOLOGIES

Environment, Health & Safety

- Our EH&S Mission Is To Work Incident & Accident Free

- Achieve EH&S Mission Through EH&S Trainings & Knowledge

- Awareness & Responsibility To Achieve EH&S Excellence

- Our Goal Is Zero Incident Zero Accident Zero Tolerance

- Guidelines To Use Personal Protective Equipment

Company Values

Integrity

- Every task is conducted with integrity which needs courage

Client satisfaction

- Understand customers needs & develop relationship with customer.

Respect & Care

- Respect & care for others.
- Teamwork is the key to success
- Diversity shall be honored.

Compliance

- Compliance with industry standards
- Compliance with laws & regulations
- Compliance with company code of conduct
- Compliance with EH&S norms

Value Creation

- Create long term value by the economic means for customers, the company and society
- Achieve excellent results by making better decisions, planning, optimizing designs & eliminating waste

VELLMAX OILFIELD TECHNOLOGIES

Products

Well Completion

- Packers
- Bridge Plugs
- Cement Retainers
- Flow Control Equipment
- Service tools
- Running tools
- Setting tools

Artificial Lift

- Gas lift Systems
- Plunger lift
- Hydraulic Lift Unit
- Sucker Rod & Pumping unit

Sand Control

- Gravel packer
- screens

Cementing

- Float shoe
- Float collar
- Wiper plug

Liner Hanger System

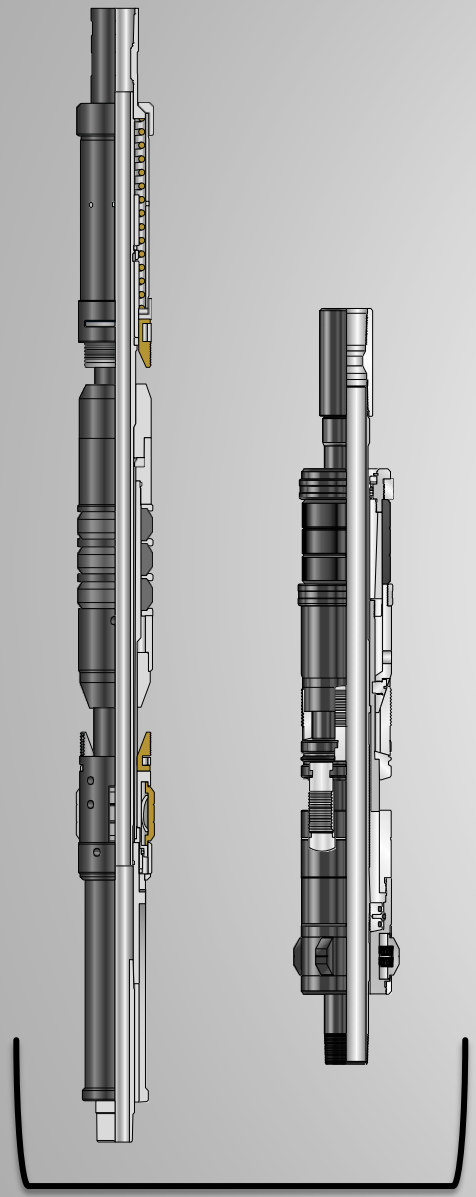
- Liner Hanger
- Liner Top Packer
- Landing Collar
- Packer Actuators
- Running tool

Service Tools

- Service Packer
- Storm packer
- Retrievable bridge Plugs
- Unloader Valve
- Safety Joint
- Storm Valve

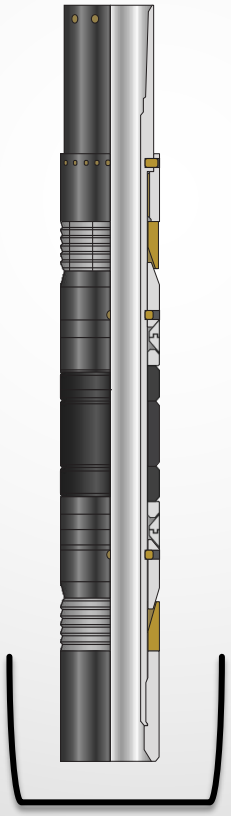
WELLMAX OILFIELD TECHNOLOGIES

Well Completion

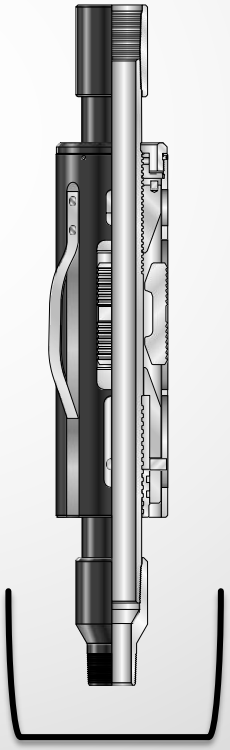


Mechanical Packer

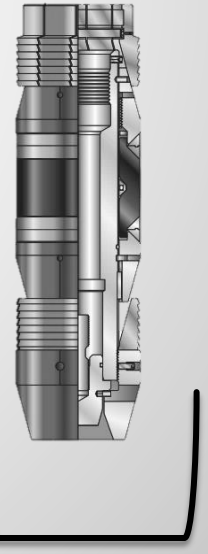
Hydraulic Single & Dual String Packer



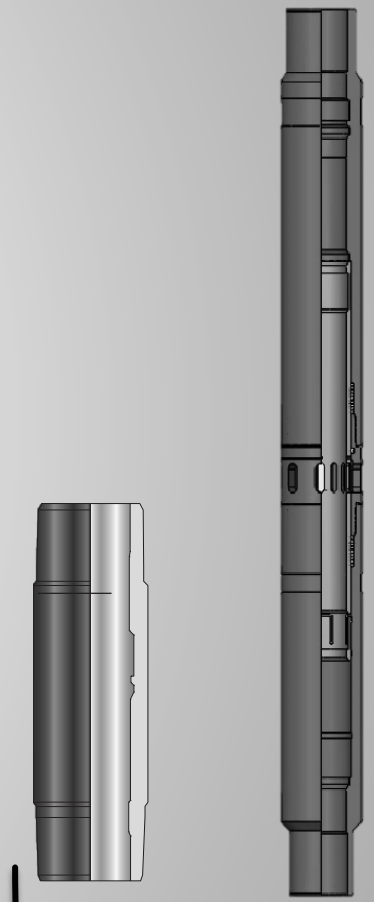
Seal Bore Packer



Tubing Anchor Catcher

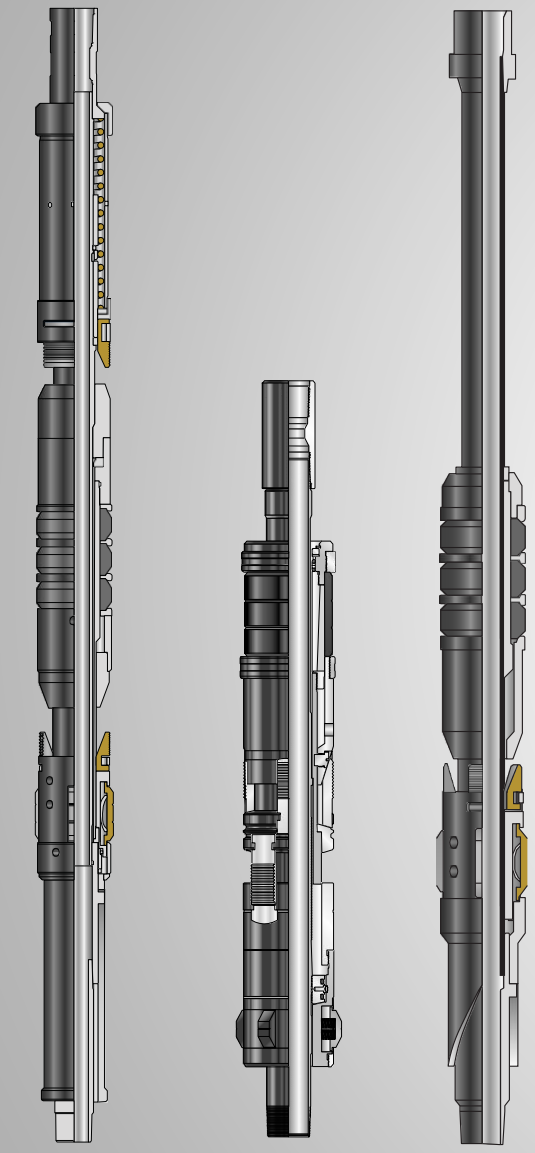


Bridge plug Cement retainer



Flow Control Equipment's

Well Completion: Mechanical Set Packers

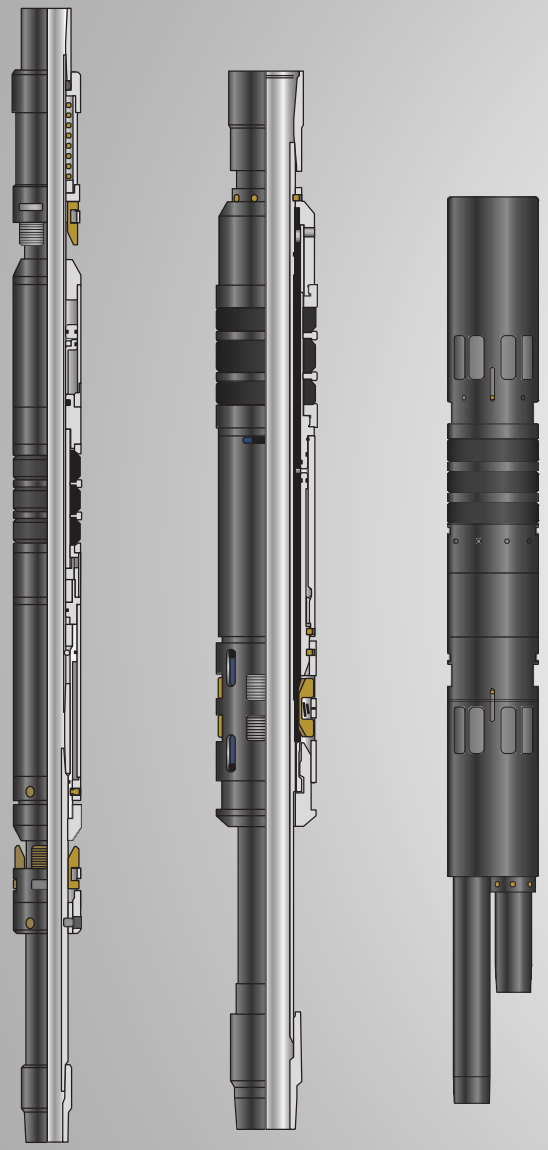


TT-IX Lok-Set TT-R3

- **TT-IX** Packer can be set in tension or compression. Simple 1/4 turn rotation to set and release with inbuilt bypass.
- **Lok-Set** packer is a compression set packer that allows tubing to be left in tension, compression or neutral condition.
- **TT-R3** packer is a compression set, 1/4 set and straight pick up release packer used in lighter operations.

WELLMAX OILFIELD TECHNOLOGIES

Well Completion: Hydraulic Set Packers

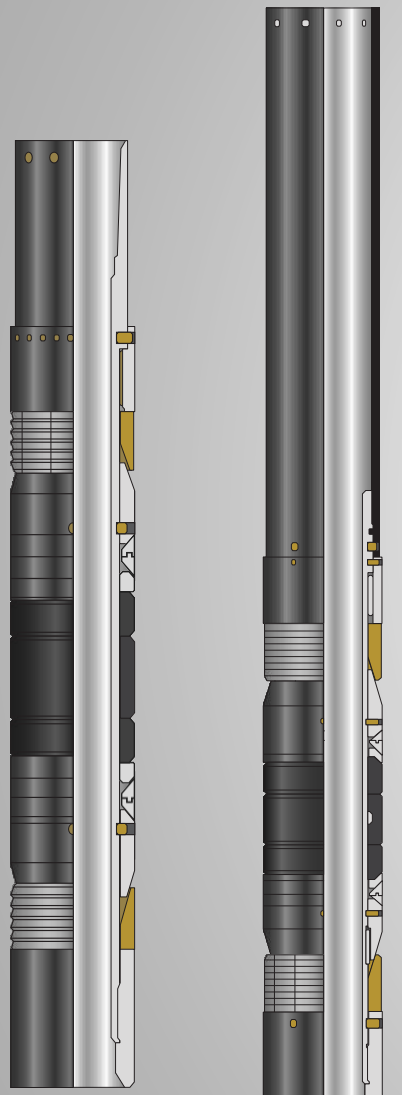


TT-H1 TT-H6 TT-H2

- **TT-H1** High pressure double grip packer, straight pull release, field adjustable release force.
- **TT-H6** economical single grip packer, straight pull release, field adjustable release force.
- **TT-H2** Dual String packer available with additional bores for ESP cable, chemical injection lines, control lines etc.

WELLMAX OILFIELD TECHNOLOGIES

Well Completion: Seal Bore Packers



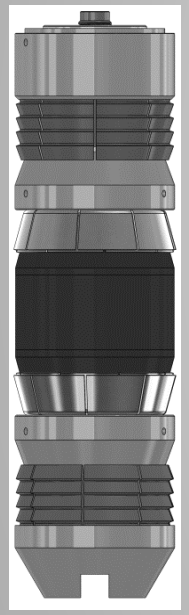
TT-SBP

TT-SBP-U

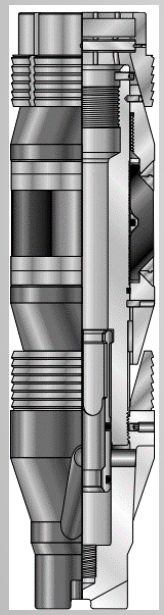
- **TT-SBP** is permanent Seal bore packer Element metal back-up rings provide 360° casing contact to prevent rubber extrusion at high temperature and pressure.
- **TT-SBP-U** packer features a large upper bore that permits completions with large-ID tubing in wells with high production rates. This packer can be run with tubing anchored in the upper bore or with a polished bore receptacle (PBR) above the packer for completions requiring tubing movement compensation.
- **Accessories**: Seal Bore Extensions, Mill Out Extensions, Locator Seal Assembly, Anchor Seal Assembly, polished Bore Receptacle

WELLMAX OILFIELD TECHNOLOGIES

Well Completion: Bridge Plugs & Cement Retainers



TT-TSWB



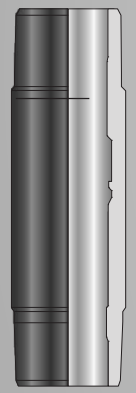
TT-PMCR
TT-PMBP

TT-ERWB

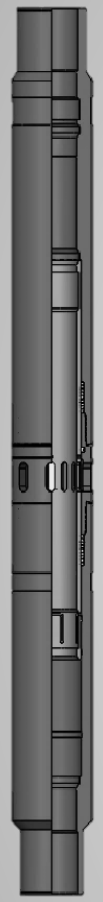
- **TT-TSWB** Tough Set Wireline Bridge Plug is designed to have excellent running characteristics and sets securely. Economical alternative to the convertible bridge plugs.
- **TT-PMCR & TT-PMBP** Bridge Plugs and Cement Retainers are mutually convertible and also can be easily configured from mechanical set to wireline set and vice versa. Versatility makes ideal choice to reduce inventory.
- **TT-ERWB** The Extra Range Bridge Plug is a specialty plug for running through restrictions and then setting securely in larger diameters below.

WELLMAX OILFIELD TECHNOLOGIES

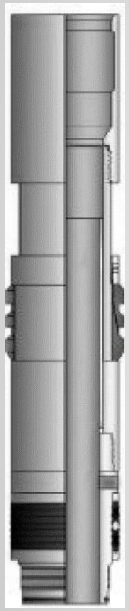
Well Completion: Flow Control Equipment's



Landing Nipple



Sliding Sleeve

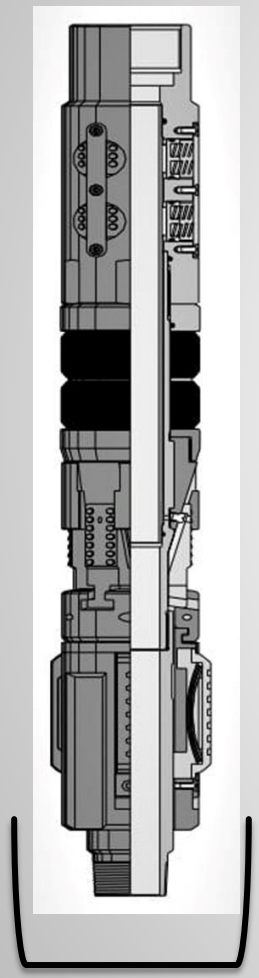


Lock Mandrels

- **Landing Nipples** with Otis profiles X, XN, R & RN available. Also baker profile F & R available.
- **Sliding Sleeve** Sliding Sleeve installed in the production string provides a convenient way to establish or shut off communication between the tubing and the annulus. It is opened by shifting an inner sleeve either up or down by standard wireline methods. Elastomeric & Non-elastomeric options are available. Designed with required nipple profile.
- **Lock mandrels b**oth selective and no-go profile **lock mandrels** to provide a setting point within the tubing for flow-control equipment. Designed for landing in profiled seating nipples, lock mandrel assemblies are used as a carrier for tools being deployed in the well, such as downhole chokes, pressure temperature gauges, isolation tools, plugging devices, check valves, and straddle systems.

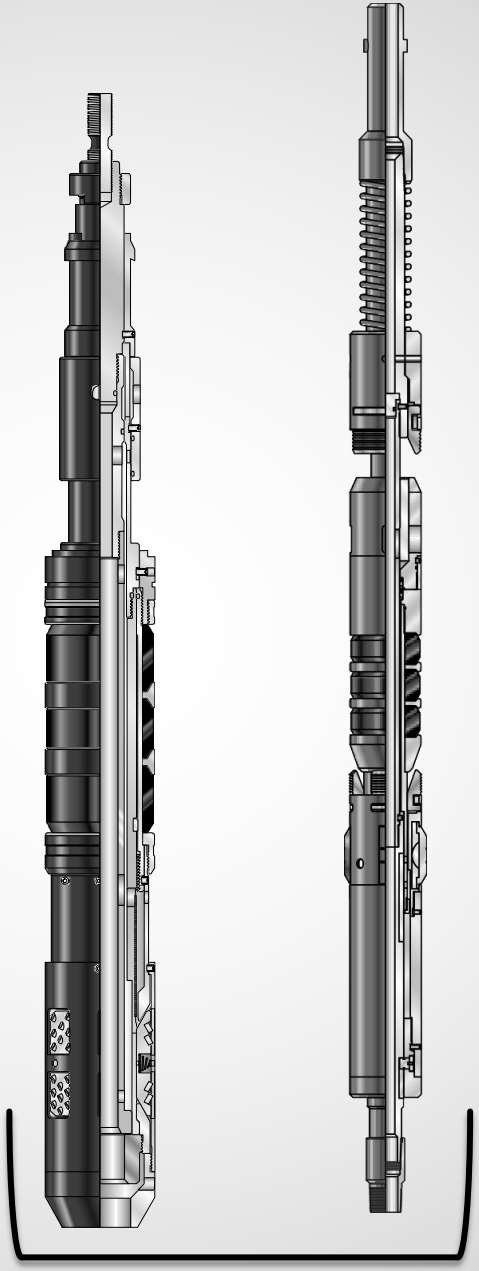
WELLMAX OILFIELD TECHNOLOGIES

Service Tools

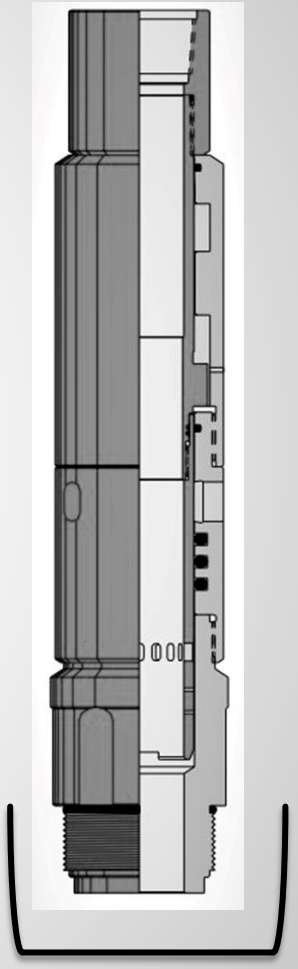


Service Packer

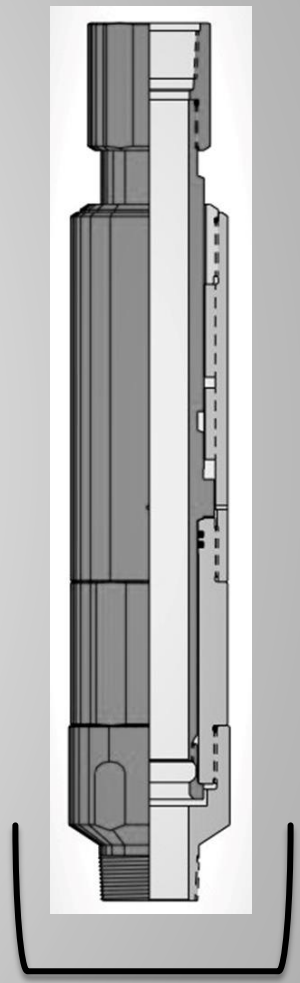
Storm Packer



Retrievable Bridge plug

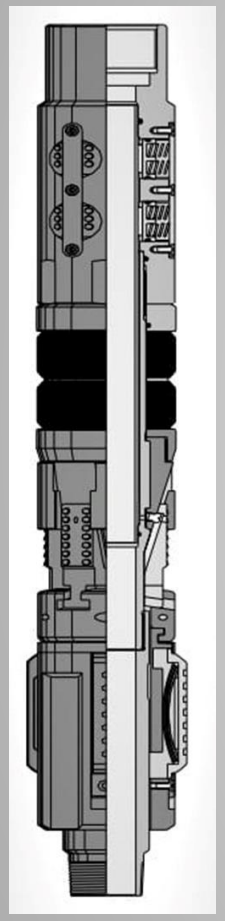


Unloader valve



Safety Joint

Service Tools



TT-RTTS

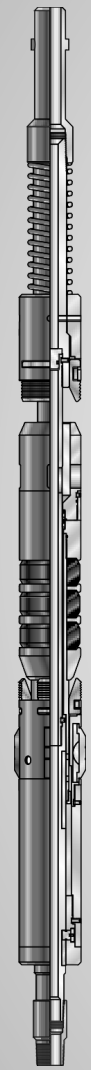
TT-SP

- **TT-RTTS** packer is a full-opening, hook wall packer used for testing, treating, and squeeze operations. In most cases, the tool runs with a circulating valve assembly. Hold down slips anchors the casing when downhole pressure is higher.

- **TT-SP Storm Packer** is a full-bore, bi-directional, resettable service packer used for cementing, stimulation and production testing operations that may be configured as either Left or Right-Hand set. This packer utilizes hydraulic hold-down slips located above the elements. The packer contains a large by-pass, allowing fluid to equalize between the tubing and annulus, reducing the swabbing effect during run-in and retrieval. Used with Storm Valve for Storm applications.

Service Tools

TT-WRBP

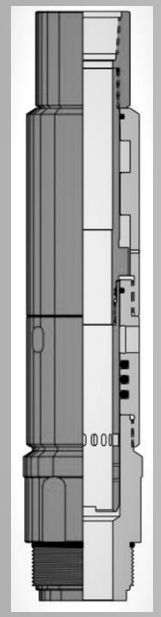


TT-MRBP

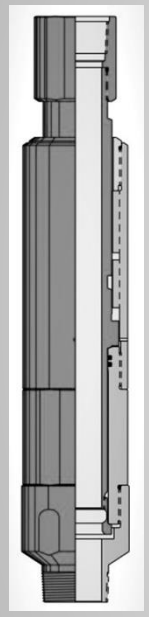
- **TT-WRBP** reliable bridge plug that combines the advantages of wireline setting with easy and reliable retrievability. double acting slips securely anchor the Bridge Plug against pressure differentials from above or below.

- **TT-MRBP** is a quarter turn, high-pressure packer style bridge plug used for multiple selective zone treating and testing operations.
- The TT-MRBP can be ran in conjunction with a TT-SP/TT-RTTS (for straddle work.

Service Tools



TT-UV



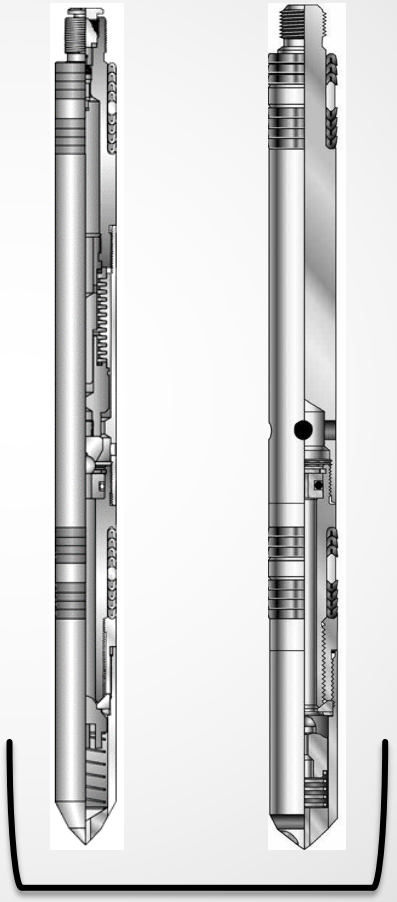
TT-RTS

TT-ASV

- **TT-UV** Unloader valve provides a means of equalizing tubing and annulus pressures as well as a bypass to allow fluid to pass through the mandrel of the packer while running the tubing string in and out of the well. Used in conjunction with TT-RTTS Packer.
- **TT-RTS** safety joint is an optional emergency back off device. The safety joint releases the workstring and tool above the packer if packer becomes stuck during operations.
- **TT-ASV** storm valve is run above the TT-RTTS/TT-SP packer, provides means to isolate the tubing below the packer and disconnect the running string by left hand rotation. Running string can be reconnected and the valve opened to equalize pressure for packer retrieval. The storm valve features an expendable plug that provides through bore access for circulation or wireline passage.

Artificial Lift

Gas Lift Mandrels
& Chemical
Injection Mandrels



Gas Lift Valves & Pilot
Valves and Chemical
Injection Valves

Latch

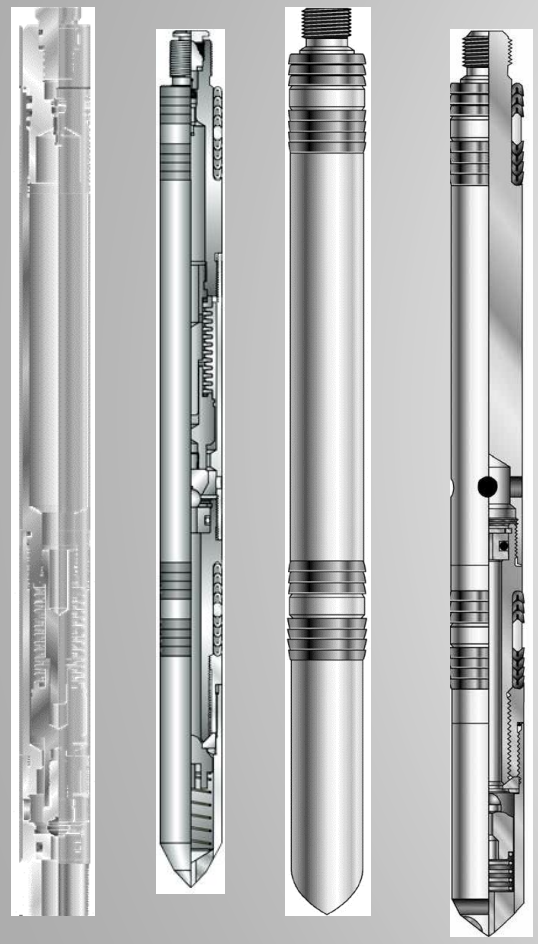
Artificial Lift: Gas Lift mandrels

TT-RM TT-P TT-POBR

- **TT-RM** RM series gas-lift mandrels are equipped with external lugs to receive tubing-retrievable gas-lift and orifice valves.
- **TT-P** Forged-Pocket and machined-pocket side- pocket mandrels feature an oval-body design and threaded connections for installation in the tubing string. The side pocket is offset from the bore of the tubing, which allows full tubing drift, through the mandrel and without restriction, for well-servicing operations. The side pocket contains profiles and seal bores to land gas-lift and other flow-control devices.
- **TT-POBR** Side Pocket Mandrels feature a round cross-sectional profile, an integral orienting sleeve, and a unique bat-wing tool guard for 1” and 1 ½” outside diameter (OD) flow-control devices. These mandrels have a pocket-and-deflector section, which is machined from solid-bar stock.

WELLMAX OILFIELD TECHNOLOGIES

Artificial Lift: Gas Lift Valves



- **TT-WR** IPO wireline retrievable injection-pressure-operated (IPO) gas-lift valves are the most frequently used valves in gas-lift systems today. These versatile valves are used for continuous or intermittent gas-lift operations.
- **TT-TR** IPO is a conventional (tubing retrievable) injection pressure operated gas lift valve. IPO gas-lift valves have a nitrogen-charged dome-and-bellows configuration. The nitrogen charge, located inside the dome, acts on the three-ply Monel bellows to hold the valve in the closed position.
- **TT-WR DV** wireline-retrievable dummy valves are installed in a side-pocket mandrel to block the mandrel injection ports. The dummy valve, with an appropriate latch, can be installed or retrieved in the well completion for various well-servicing operations.
- **TT-WR OV** Valves are wireline retrievable, single-point-injection orifice valves. A replaceable orifice or port controls the volume of gas through the open valve into the production conduit.
- **Wireline Retrievable Latches, Running Tools, Pulling Tools are available.**

WELLMAX OILFIELD TECHNOLOGIES

Artificial Lift: Chemical Injection Mandrels & Valves

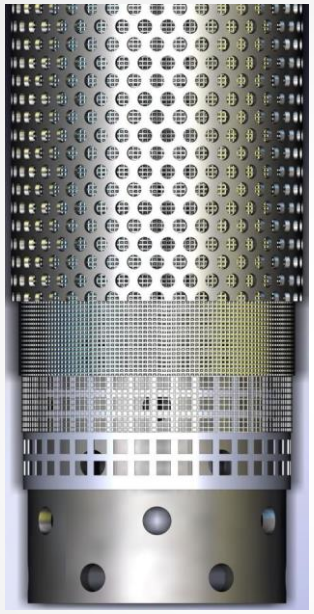
TT-CI

TT-TR CIV

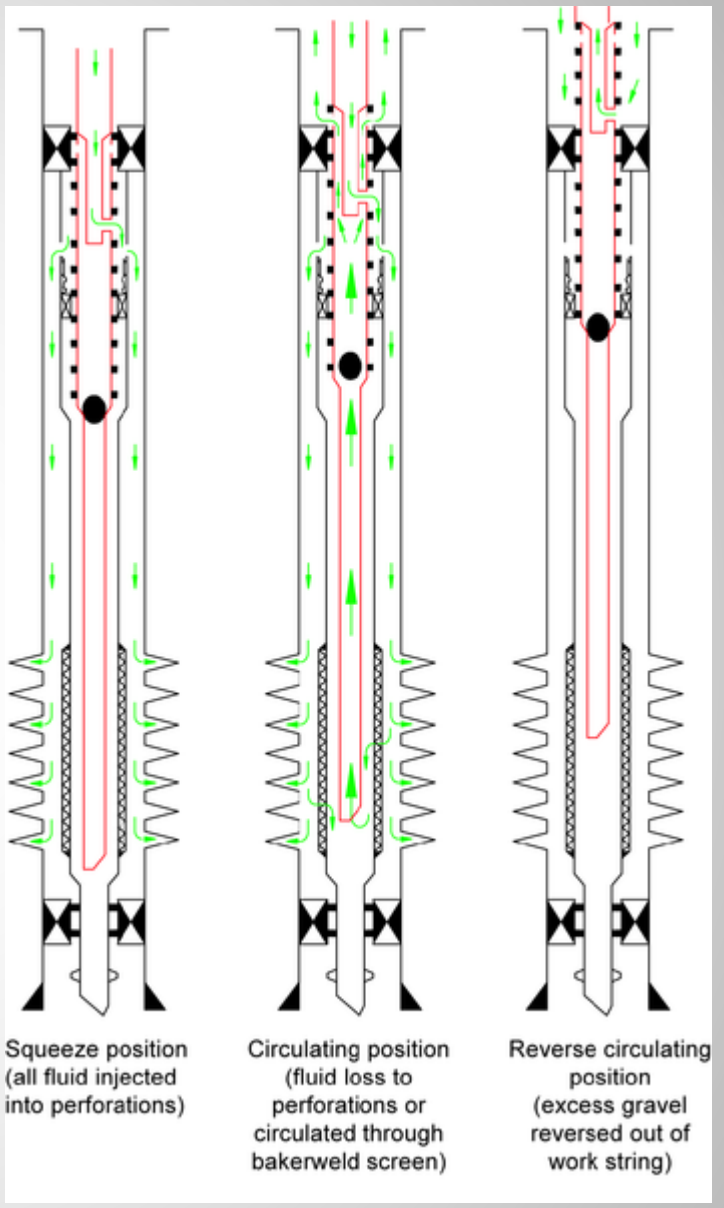
- **TT-CI** series chemical-injection mandrels are equipped with an external lug to receive tubing-retrievable chemical-injection valves and check valves.
- **TT-TR CIV** Wireline -Retrievable Chemical-Injection Valve is used to control the injection of chemicals, fluids, and water for treating corrosion and harmful paraffin, salt, and hydrate deposits inside tubing and around downhole tools. TT-TR CIV is spring loaded valve installed on conventional chemical injection mandrel.

Sand Control

Wire Wrapped Screen



Premium Screen



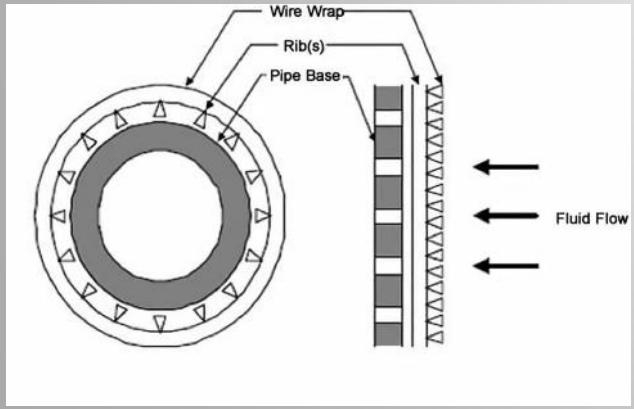
Gravel pack System

WELLMAX OILFIELD TECHNOLOGIES

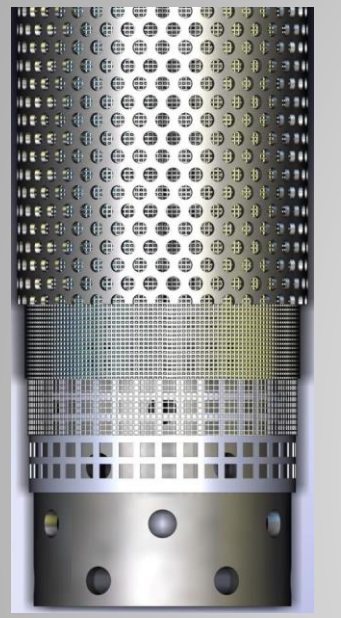
Sand Control

Wire Wrapped Screen

- Wire Wrap Screens are available as Slip-On Jacket with tight tolerances on the slot opening and enhanced Welding procedures. High Open Flow Area options are also available.
- Wire Wrap screens provide field-proven and reliable sand control solution. Our Wire Wrap Screens consists of wire wrapped jacket manufactured separately from the base pipe. Pre-fabricated jacket is slipped on to perforated base pipe and welded with end rings to the base pipe providing option for modular make- up on customer supplied base pipe. This screen is ideally suited for Cased Hole Application.



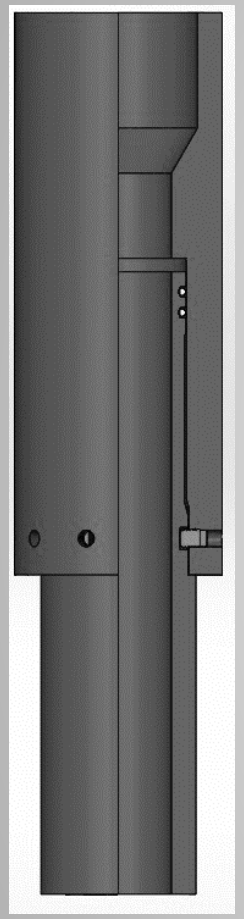
Sand Control



Premium Screen

- Premium Screens offer a unique design incorporating multiple diffusion bonded layers of woven metal mesh, creating a single monolithic sand control screen which is robust and has enhanced filtration characteristics.
- Premium Screen consists of multiple diffusion bonded layers of sintered metal mesh, creating a single monolithic sand control screen which is robust and has enhanced filtration specific characteristics

Sand Control



Shear Safety Sub

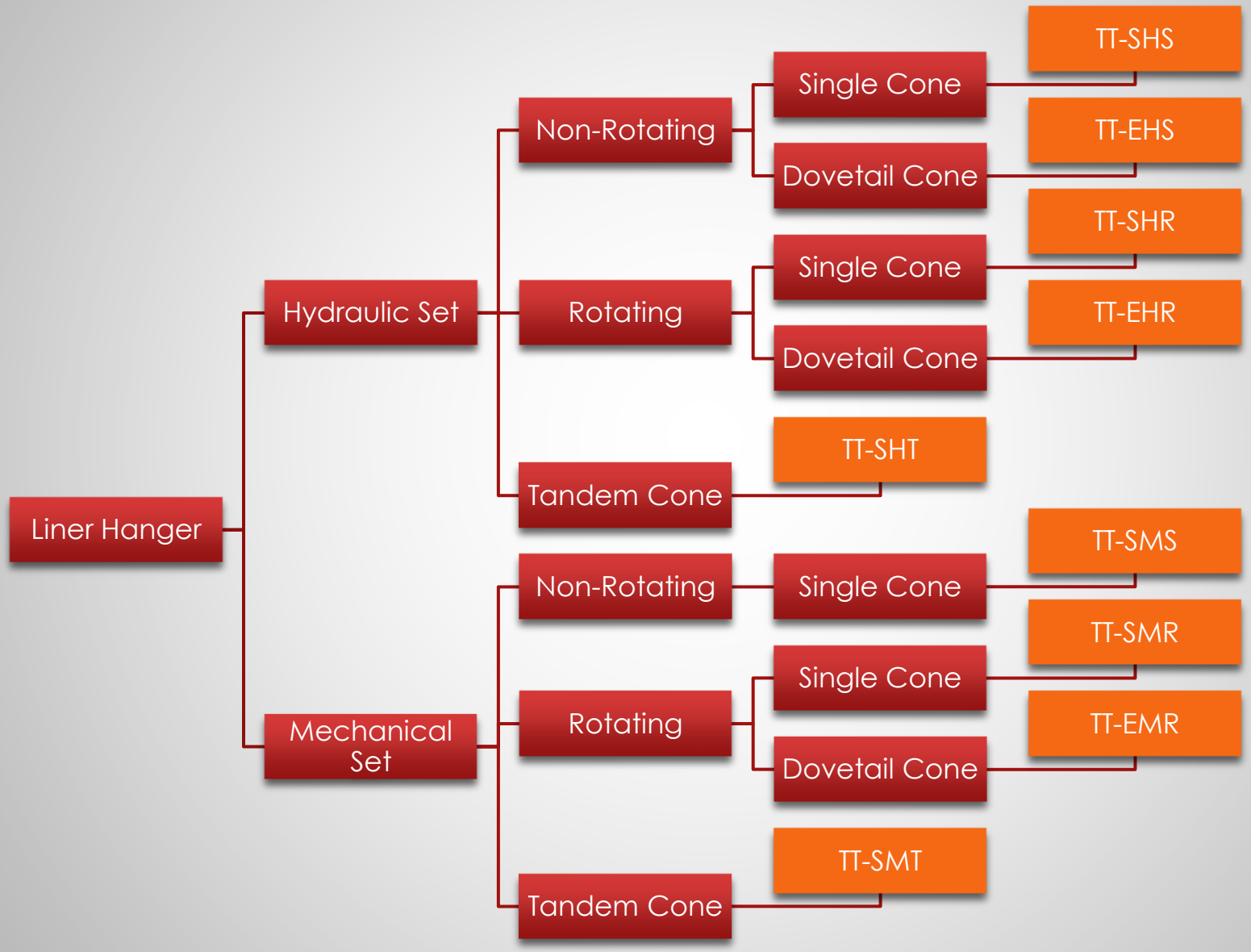
- SS gravel-pack shear sub is a shear joint designed for installation below the gravel-pack assembly and above the well screens. The shear sub provides a predetermined shear value that enables easy retrieval of the packer, while leaving the screen in place. The shear value of the sub is readily verifiable and adjustable in the field.

Liner Hanger Systems

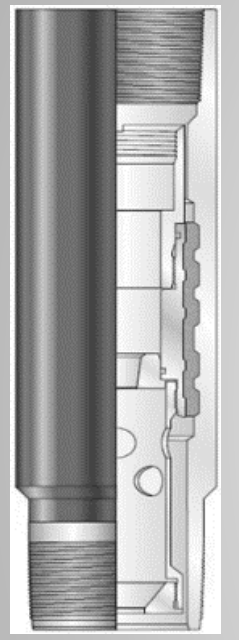
Liner Hanger

Liner Top Packer

Liner Hanger Systems

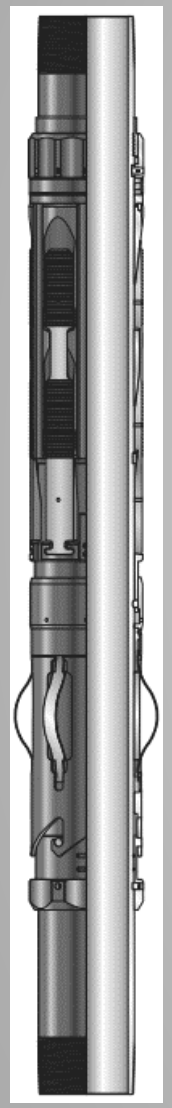


Liner Hanger Systems: TT-LC Landing Collar

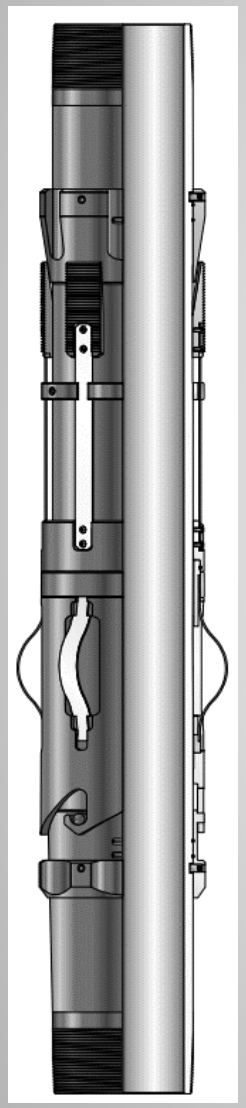


The landing collar is typically run one or two joints above the float collar. Landing Collars are special application collars that when used act as a landing point for a wiper plug. In addition, landing collars can be configured to contain a ball seat which allows hydraulic events to be performed.

Liner Hanger Systems: Mechanical Liner Hanger



TT-EMR



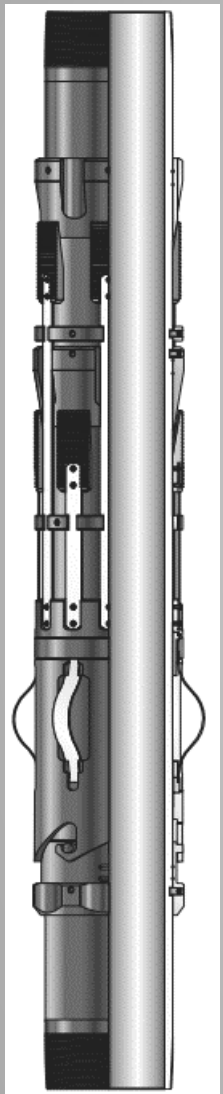
TT-SMS

TT-EMR Mechanical Set, Rotating, Dovetail Cone Line Hanger
TT-EMR is designed to hang any length of liner in a well which has small inclination and that require no rotation during RIH. The cones are non-welded and slips are protected to optimize bypass area. The liner hanger is actuated by picking up the drill string and rotating the TT-EMR at least one-sixth of a turn to the right after reaching setting depth. Setting down weight on the TT-EMR sets it, forcing the slips into the host casing. A bearing on the TT-EMR hanger allows rotation after the hanger is set

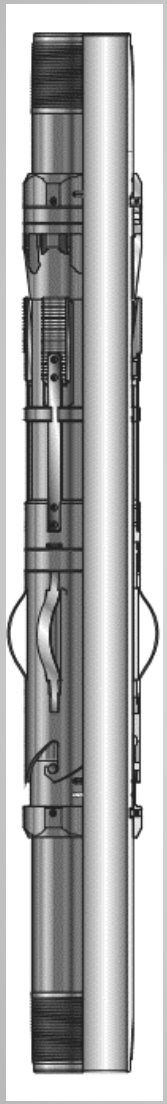
TT-SMS Mechanical Set, Non-Rotating, Single Cone Line Hanger
TT-SMS liner hanger is an economically designed liner hanger that features a cone with six slips, wire-locked to the body rather than welded. The TT-SMS is suitable for liners that do not have to be reamed or drilled down. The liner hanger is actuated by picking up the drill string and rotating the TT- SMS at least one-sixth of a turn to the right after reaching setting depth. Setting down weight on the TT- SMS sets it, forcing the slips into the host casing.

WELLMAX OILFIELD TECHNOLOGIES

Liner Hanger Systems: Mechanical Liner Hanger



TT-SMT



TT-SMR

TT-SMT Mechanical Set, Tandem Cone Liner Hanger
TT-SMT features tandem cones with six slips per cone, wire-locked to the body rather than welded. The TT-SMT is suitable for liners that do not have to be reamed or drilled down. The liner hanger is actuated by picking up the drill string and rotating the TT-SMT at least one-sixth of a turn to the right after reaching setting depth. Setting down weight on the TT-SMT sets it, forcing the slips into the host casing.

TT-SMR Mechanical Set, Rotating, Single Cone Liner Hanger
TT-SMR liner hanger is an economically designed liner hanger that features a cone with six slips, wire-locked to the body rather than welded. The TT-SMR is suitable for liners that do not have to be reamed or drilled down. The liner hanger is actuated by picking up the drill string and rotating the TT-SMR at least one-sixth of a turn to the right after reaching setting depth. Setting down weight on the TT-SMR sets it, forcing the slips into the host casing.

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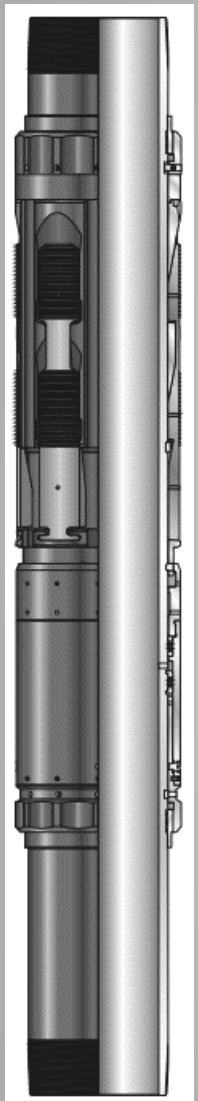
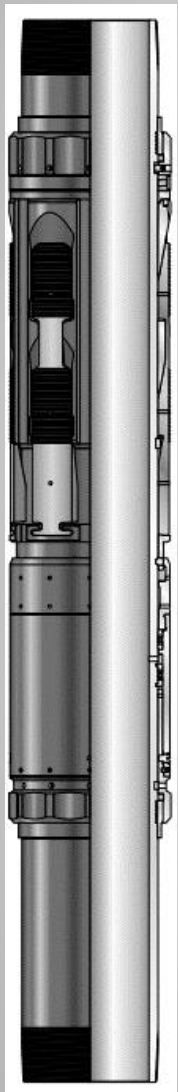
Liner Hanger Systems: Hydraulic Liner Hanger



TT-EHS



TT-EHR

TT-EHS Hydraulic Set, Non-Rotating, Dovetail Cone Line Hanger
TT-EHS is designed to use in deep, highly deviated wells. Optimized bypass makes the TT-EHS hanger an ideal choice for drill-down and reaming liner applications. Hydraulic pressure differential is created across the cylinder due to which slips are forced to bite into the host casing. The TT-EHS features a spacer ring and cannot be rotated after the hanger is set.

TT-EHR Hydraulic Set, Rotating, Dovetail Cone Line Hanger
TT-EHR is designed to use in deep, highly deviated wells. Optimize bypass make the TT-EHR hanger an ideal choice for drilldown and reaming-liner applications. Hydraulic pressure differential is created across the cylinder due to which slips are forced to bite into the host casing. A bearing on the TT-EHR hanger allows rotation after the hanger is set.

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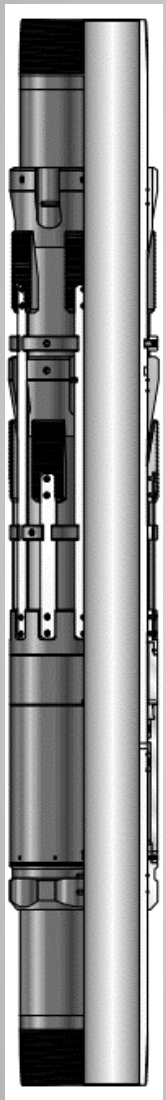
Liner Hanger Systems: Hydraulic Liner Hanger

TT-SHS



TT-SHT

TT-SHR

TT-SHS Hydraulic Set, Non-Rotating, Single Cone Liner Hanger
TT-SHS liner hanger is an economically designed liner hanger that features a cone with six slips, wire-locked to the body rather than welded. The TT-SHS is suitable for liners that do not have to be reamed or drilled down. Hydraulic pressure differential is created across the cylinder due to which slips are forced to bite into the host casing. A bearing on the TT-SHS hanger allows rotation after the hanger is set.

TT-SHT Hydraulic Set, Tandem Cone Liner Hanger
TT-SHT features tandem cones with six slips per cone, wire-locked to the body rather than welded. The TT-SHT is suitable for liners that do not have to be reamed or drilled down. Hydraulic pressure differential is created across the cylinder due to which slips are forced to bite into the host casing. A bearing on the TT-SHT hanger allows rotation after the hanger is set.

TT-SHR Hydraulic Set, Rotating, Single Cone Liner hanger
TT-SHR liner hanger is an economically designed liner hanger that features a cone with six slips, wire-locked to the body rather than welded. The TT-SHR is suitable for liners that do not have to be reamed or drilled down. Hydraulic pressure differential is created across the cylinder due to which slips are forced to bite into the host casing. A bearing on the TT-SHR hanger allows rotation after the hanger is set.

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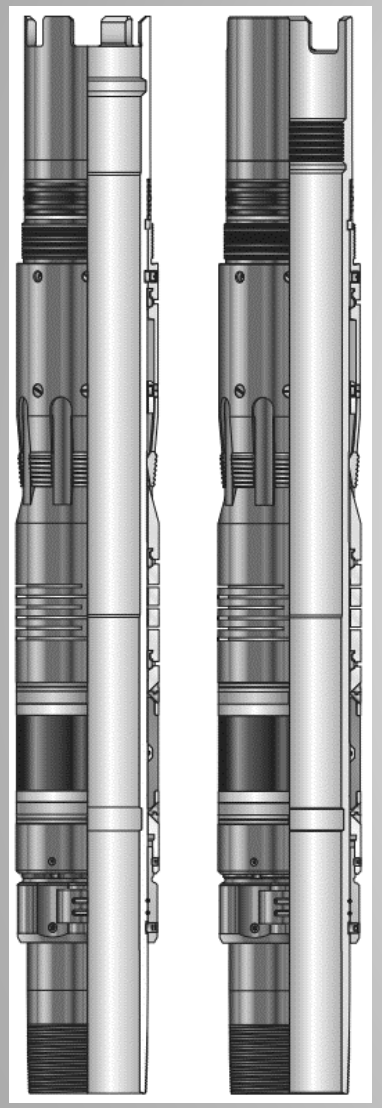
Liner Hanger Systems: Liner Packer



TT-ETP

TT-ETPH3

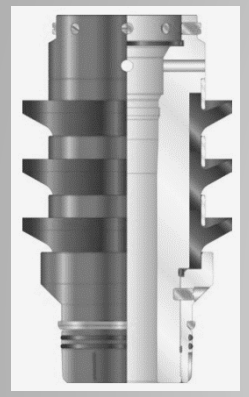
TT-ETP liner-top packer is designed to isolate the cement, preventing gas migration or flow while the cement sets. It is provided with profile on top for the running tool to connect running tool to the liner when a liner setting sleeve is not run.
The packer is normally set by applying set down weight on the tie-back polished bore receptacle using the packer actuator after the running tool is released. The weight sets the element and the hold down slips.

TT-ETPH3 is a high-pressure liner-top packer, designed to isolate the cement, preventing gas migration or flow while the cement sets. It is provided with the profile and seal bore for retrievable cementing pack-off and, to connect running tool to the liner when a liner setting sleeve is not run.
The packer is normally set by applying set down weight on the tie-back polished bore receptacle using the packer actuator after the running tool is released. The weight sets the element and hold down slips.
Suitable for Pressure up to 10,000-psi (68.9-MPa) & temperature up to 350°F

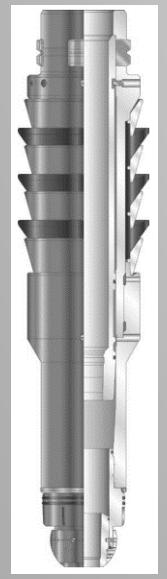
WELLMAX OILFIELD TECHNOLOGIES

Liner Hanger Systems: Running Tool System

Running Tool system includes Wiper Plug, Stinger, cementing pack off, Running Tool, Packer Actuator, Debris Barrier, Cement Displacement (Drill Pipe Dart).

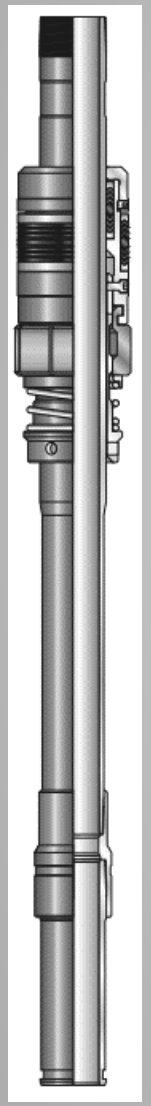


The TT-LWP provide isolation between drilling fluids & cement during displacement. The TT-LWP II is assembled to the bottom of liner-running tools using shear pins. TT-LWP launches the plug, which enables the TT-LWP to be displaced through the liner. The TT-LWP then lands and latches in the landing collar and creates a positive seal from both above and below the landing collar



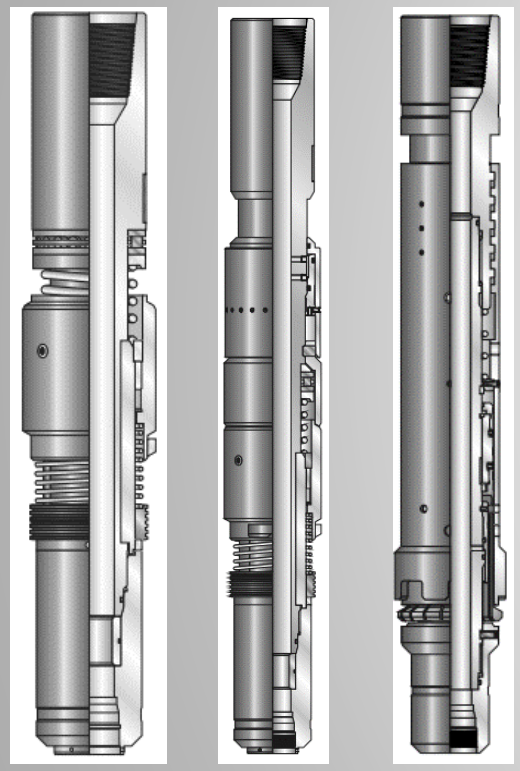
The single-wiper plug (**TT-SWP**) provides isolation between drilling fluids and the cement during displacement. The TT-SWP is designed with a ball seat located on the wiper plug that reduces pressure surging when the seat is sheared.

Liner Hanger Systems: Running Tool System



The cementing pack off provides a seal between the liner ID and the running string OD and between the cementing pack-off ID and the Stinger OD. The dogs of the cementing pack-off fit into a profile in the packer below where the running tool is connected to the packer.
The seal on the OD creates a pressure containment to allow items such as a hydraulically activated hanger to be activated. The seal also allows pumped fluids to circulate through the bottom of the liner.
Cementing Pack-offs can be non-retrievable or retrievable. Non-retrievable cementing pack-offs are left in the hole with the sales equipment after the rental tools are retrieved and require drilling out. A Retrievable Pack-off is retrieved with the running tools which leaves a full bore in the liner.

Liner Hanger Systems: Running Tool System



TT-RM TT-RH TT-HRT

TT-RM running tool, with mechanical release, features a left-hand float nut that supports the weight of the liner. It is high-torque running tool. The thrusting cap engages with the castellations on the liner-top packer or liner setting sleeve, which allows the tool to rotate the liner in tension. The tool is released by placing it in compression and rotating to the right. Torque is transmitted through the thrusting cap to rotate the liner once the float nut has been released.

TT-RH running tool with hydraulically released mechanical lock is high-torque running tool with drill down capability. The running tool features a left-hand float nut that supports the weight of the liner. The thrusting cap engages with the castellations on the liner-top packer or liner setting sleeve, which allows the tool to rotate the liner.

TT-HRT features hydraulic release and drill-down capability. Complete Weight of the liner is taken by its supported collet. Castellations feature on the torque sleeve allows the tool to rotate a liner through the mating castellations on the liner-top packer or liner setting sleeve. Release of the tool achieved through primary & secondary mechanism. Differential pressure across the hydraulic cylinder retracts the collet from the liner-top packer or liner setting sleeve activates the primary release mechanism. One-sixth left-hand turn at the tool activates a secondary mechanical release

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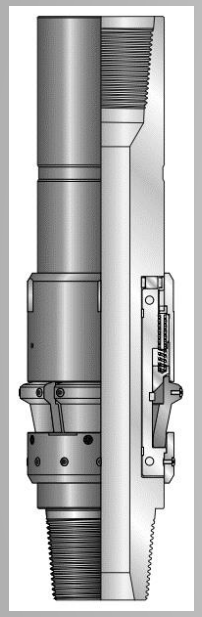
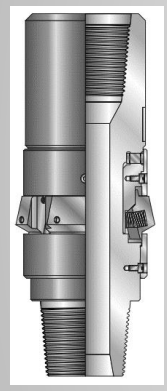
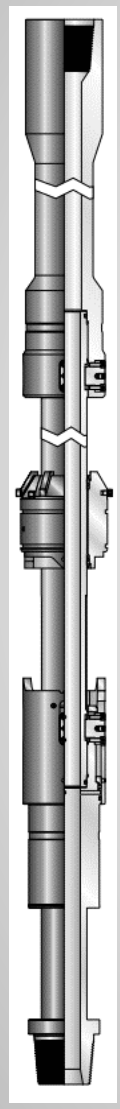
Liner Hanger Systems: Running Tool System

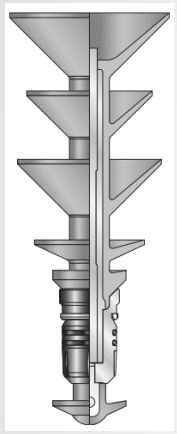




PACKER ACTUATOR



DEBRIS BARRIER



DRILL PIPE DART

The top of the **packer actuator** connects to the debris barrier extension and the bottom connects to a running tool. The packer actuator transfers force through the PBR to activate a liner top packer. Packer setting tools can be mechanical or hydraulic and rotatable.

Debris Barrier

The main function of the debris prevention system is to prevent debris from entering the polished bore receptacle (PBR) during the liner run-in, circulating the well clean, and cementing. It is recommended to use a debris barrier at the top of the PBR. The debris barrier has an extension. A packer actuator (setting tool) is made up to the bottom of the debris barrier extension. There are a variety of debris barriers available

Drill pipe dart is used to wipe the interiors of drill pipe and running tools, providing a mechanical barrier between the cement and the displacement fluid.

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