ELEMENT OILFIELD TECHNOLOGIES INC.

Hydraulic Release Overshot

Element's Hydraulic Release Overshot was designed to retrieve lost or broken tools and tubing from the wellbore. The latching mechanism is a robust/slip design which releases positively from the stuck fish when a hydraulic differential is applied to the tool. The tool does not require shear pins or drop balls since the differential required to activate the tool is provided by circulating through a choke insert in the core.

Features

- Flow release
- Multiple engagement and disengagement of fish
- Wide catch range
- Extended versions available
- N2/Fluid compatible
- Mechancal Drive Tool and Jar

Note : Specifications may vary without prior notice.
: This is a Standard catalogue with internals rated for standard temperature rating (350 F). For other applications contact our representative.
: Items can be manufactured as per requirement.

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#210 50450 RR222 LEDUC COUNTY ALBERTA, CANADA T0B 3M2

ELEMENT OILFIELD TECHNOLOGIES INC.

Roll-On x Roll on Connector

Roll-On x Roll on Connector

Element's Roll-On x Roll On Connector was designed to attach two pieces of coil tubing together by internally crimping the coil to match the crimping grooves provided. Three O-ring grooves are provided for high pressure applications.

Features

- Fast & easy to redress
- High tensile application
- One piece design
- Slimline application
- Non rotational available
- available or both STD/H2S application

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#210 50450 RR222 Leduc County Alberta, Canada T0B 3M2

Impression Block

The Lead Impression Block is a critical diagnostic tool utilized during coiled tubing fishing operations to accurately identify the profile of a fish or the nature of downhole debris.

Features

- Circulation port enables fluid pumping during coiled tubing operations.
- Supports general clean out and debris removal operations.
- Accurately identifies fishing type and debris.
- Manufactured to client specifications and required dimensions.

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Multijet Tool

The Multi-Jet Tool is a high-performance downhole intervention solution engineered to optimize fluid diversion, enhance circulation rates, and facilitate the comprehensive removal of wellbore debris. This versatile jetting tool is specifically designed for operations requiring concentrated hydraulic action to effectively clean, wash, or stimulate targeted downhole zones. By delivering focused energy at the point of intervention, it ensures maximum operational efficiency during complex coiled tubing cleanout procedures.

Features

- Multiple precision-engineered jet ports for fluid discharge and maximium cleaning
- Engineered with compact profile for seamless integration and deployment within coiled tubing strings.
- Purpose-built to support high-pressure jetting and comprehensive wellbore cleanout operations.

This is a standard catalogue, parts can be manufactured as per client requirement.

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Impact Hammer

The Coiled Tubing Impact Hammer provides high-precision upward, downward, or bi-directional mechanical force to optimize efficiency during intervention activities, including fishing, shifting, wellbore cleanouts, and the removal of obstructions. Engineered to deliver consistent and repeatable impact energy, this tool significantly minimizes the requirement for repetitive coiled tubing cycling, thereby reducing fatigue and operational downtime. The system is hydraulically activated via fluid flow, allowing operators to modulate impact frequency and magnitude by adjusting surface-level parameters.

Features

- Simple, robust design ensuring ease of operation for the end user
- Can be run for applications either up, down or bi-directional impact forces
- High frequency
- H2S resistant available on request
- Standard OD configurations (1-11/16" ; 2-1/4" ; 2-7/8"). Other sizes available as per request

This is a standard catalogue, parts can be manufactured as per client requirement.

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Bow Spring Centralizer

The Bow Spring Centralizer is engineered to provide concentric alignment of the Bottom Hole Assembly (BHA) within the production tubing or casing string. This tool is specifically designed for operations requiring passage through a restricted internal diameter (ID), after which the spring elements expand to ensure effective centralization.

To minimize drag and prevent premature wear during deployment, the centralizer springs are configured to remain in a retracted position as the default state until specific operational parameters are met.

Features

- Range of configurations compatible with standard casing and tubing sizes.
- clear ID to facilitate the passage of activation devices, including drop balls, darts, and other subsurface flow-control components.
- Engineered to ensure minimal pressure drop and unrestricted fluid bypass during high-rate circulation.
- High-performance metallurgy to provide reliable service across all wellbore conditions.

*Other sizes and thread variations upon request.

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ELEMENT OILFIELD TECHNOLOGIES INC.

Motor-Head Assembly

Motor-Head Assembly

Element's Motor-Head Assembly is a compact tool which incorporates twin flapper check valve assembly, hydraulic disconnect and a tri-circulating sub. This tool has a torque through facility and a standard GS fishing profile.

Features

- Robust design
- Short bottom hole assembly applications
- Standard GS profile
- High tensile and torque load
- Can be used for milling, drilling, fishing, perforating services

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ELEMENT OILFIELD TECHNOLOGIES INC.

MOTOR ASSEMBLY

Motor Assembly

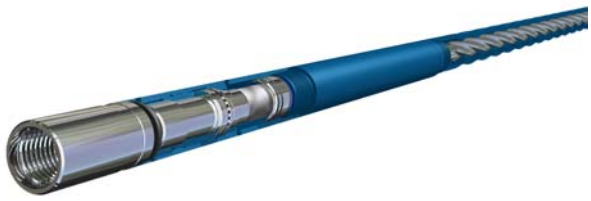
Element's Coil Tubing Motor design is based on simplistic, yet robust components designed through years of experience in the industry.

Major components are designed to last through every coil tubing application and extended service life while minor components are built for cost effective impacts to reduce costs per hour to the operator.

Standard sizes ranging from 1-11/16" to 2-7/8" OD. Power sections are available in a wide range of speeds and have Nitrile Butadine Rubber (NBR) for standard requirements and also Hard Rubber (HR) for higher torque requirements.

Features

- Coiled Tubing and Slim Hole applications
- Side range of speeds and torque
- Simple maintenance
- Higher Operating temps
- Operates in wide variety of fluid
- available or both STD/H2S application



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Element Oilfield Technologies Inc.

Milling Tool

Milling Tool

Element's Mills removes any well obstructions like cement, paraffin, scale, fish, metal, plugs, hydrates etc.) and come in a variety of designs and compositions.

Mills to be ordered as per OD, Lengths and top connection.

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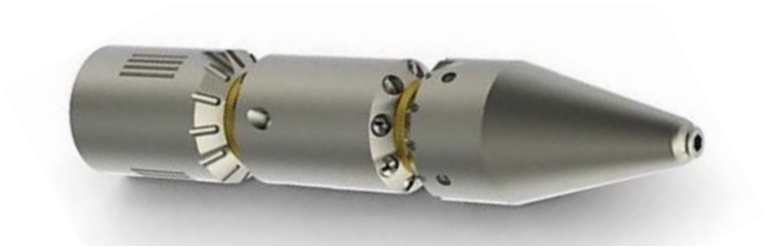
Rotating Wash Tool

Rotating Wash Tool

Element's Rotating Wash Tool was designed to deliver high jet power fluid to the tubing/casing walls for scale removal and other obstructions within the well.

Features

- N2 and fluid wash application
- High pressure compatible
- High temperature friendly
- Scale and wax removal
- Particle lifting
- Less down time in hot well



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ELEMENT OILFIELD TECHNOLOGIES INC.

Wax Cutter

Elements Paraffin Wax Cutter / Scraper is a specialized downhole intervention tool engineered to mechanically remediate organic wax deposition, thereby restoring the production conduit's nominal Internal Diameter (ID). This process is critical for optimizing flow hydraulics and ensuring the unobstructed deployment of subsequent wireline or completion strings.

By running a wax cutter before deploying or retrieving any subsurface control, the operator can confirm that the tubing is clear for subsequent operations and remove any restrictions that may be limiting flow. The cutter features an upset gauge ring at the bottom, sized to the application, with a sharp beveled edge that provides an effective scraping action. Elongated windows are incorporated to allow fluid and debris to bypass the tool.

* Sizes and thread variations available upon request.

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Downhole Filter

Elements Coiled Tubing (CT) Downhole Filter serves as a high-integrity, debris-mitigation component within the Bottom Hole Assembly (BHA), engineered to insulate sensitive sub-surface instrumentation from particulate contamination. During high-intensity intervention sequences—including milling operations, wellbore cleanouts, or hydraulic stimulation—the filter provides a robust mechanical barrier against deleterious solids and abrasive fines that might otherwise induce mechanical seizure or hydraulic "plugging" of critical BHA subsystems.

Features

- Simple and Robust design
- Replaceable Screens

*Standard filter size is 600 microns. Kindly contact us fo other ODs and filter sizes.

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Twin Flapper Check Valve

Twin Flapper Check Valve

Element's Twin Flapper Check Valve is designed to provide a means of closing off back pressure from the coil tubing within the well.

The flappers provide a pressure tight barrier in one direction, but enable flow in the opposite direction. The check valve consists of a two piece body which contains two removable cartridge assemblies. The cartridges are spring loaded in the closed position and are designed to open fully to allow an uninterrupted bore through the tool.

Features

- Viton or Teflon flapper seal
- H2S compatible
- Designed for ball drop application
- Larger bore than most
- Low and high pressure applications

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External Dimple Connector

Element's External Dimple Connector is engineered to connect the bottom-hole assembly (BHA) to the end of the coiled tubing. It secures firmly to the tubing's exterior via a series of set screws that embed into a precise pattern of impressions formed by a specialized dimpling tool.

FEATURES

- Rapid and straightforward redressing process
- Compact design for slimline deployments
- Enhanced fatigue resistance for repeated cycles
- Exceptional corrosion resistance in harsh environments
- Proven reliability in extended-reach wells
- Optimized for high-torque and high-tensile applications
- Compatible with standard coiled tubing sizes
- Ideal for drilling, milling, and fracturing operations

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Crossovers

Crossovers

Element's Crossovers are used in the bottom hole assembly when mixing tools with different threads. The crossovers are available in BOX x BOX, PIN x PIN and PIN x BOX Configurations.

Types of Connections

STUB ACME, MT, PAC, EUE, REG, NPT, SUCKER ROD, IF, NU, NAW ROD, BW ROD, and Most Oilfield Threads.

Range of Outer Diameters

1", 1.250", 1.500", ROD, 1.687", 1.750", 2", 2-1/8", 2-3/8", 2-7/8", 3.125", 3.5", 4.75"

Standard Working Pressure Range : 5000 PSI

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ELEMENT OILFIELD TECHNOLOGIES INC.

Roll on Threaded Connector

Roll on Threaded Connector

Element's Roll-On Threaded Connector was designed to attach the bottom hole assembly at the end of the coil tubing by internally crimping the coil to match the crimping grooves provided. Three O-ring grooves are provided for high pressure applications.

Features

- Fast & easy to redres
- High tensile application
- One piece design
- Slimline application
- Non rotational availabl
- available or both STD/H2S application

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Slip Connector

The Slip Connector was designed to attach the bottom hole assembly to the end of the coil. The slips ensure that the axial load is transferred onto the coil.

The Slip Connector consists of a top sub, slip, brass ring and a bottom sub with the desired connection. The dressed coil is stabbed into the connector and the bottom sub is rotated to start the tightening process. An over pull is taken to set the slips further and re tighten the sub to ensure no more movement can be achieved.

Features

- Torque and vibration compatible
- Wrench slots for positive grip
- High torque and tensile design
- Versatile use for milling, drilling, fracturing, etc.
- Multiple sizes of coil
- Connections to suit bottom hole assembly requirements

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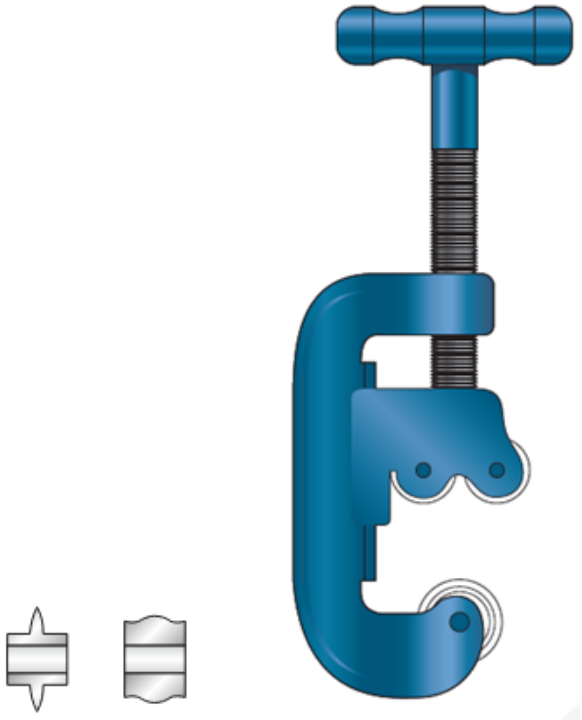
Roll-on Connector Crimping tool & Wheels

Roll-On Connector crimping tool is used for installation of the roll-on connector to the coiled tubing.

The tool has two interchangeable wheels, one of which is used to guide the coiled tubing onto the roll-on connector. The other is a cutting wheel, which can be used to cut the coiled tubing.

Crimping wheels are available from 1/8" to 5/64" for a range of Coil Tubings.



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Knuckle Joint

Knuckle Joint

Element's Knuckle Joint was designed to provide additional flexibility to the tool string and allows tools to be run in restricted or highly deviated wells.

Features

- 360 degree rotatio
- Flow through capabilit
- Angular deviation of 5 degrees

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Bead Removal Tool

Element's internal tubing bead removal tool is a useful service tool that is used to remove the weld bead found on the internal bore of the coiled tubing. This is achieved by locating the slot on the weld bead and then rotating the tool using a suitable pipe wrench to break the weld.

The tool has particular application in the preparation of coiled tubing that ses roll-on and internal slip type connectors.

Please specify Coil Tubing size at the time of order.

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ELEMENT OILFIELD TECHNOLOGIES INC.

Hydraulic Disconnect (Release) Tool

Hydraulic Disconnect (Release) Tool

Element's Hydraulic Disconnect was designed to separate itself from the remainder of the tool string when jarring and pulling was insufficient to release immobilized tools.

This tool enables the operator to drop a ball and pressure up to disengage the tool from the remaining tools of a stuck tool string. The tool can handle high torque loads, heavy jarring and straight pulling without affecting the release mechanism. Circulating a drop ball to the disconnect and applying pressure shears predetermined brass screws thus removing the upper section of the disconnect from the lower portion leaving a standard fishing neck for retrieval of the stuck BHA.

Features

- Robust design
- Standard GS profile
- High tensile loads
- Balanced piston design for perforating jobs
- Short bottom hole assembly applications
- Can be used for milling, drilling, fishing and heavy duty service applications
- Can be used with industry extended reach tools

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