Coil Tubing Tools Catalogue

2020

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Anti twist external slip connector

The anti twist external slip connector is a tool for quick connection through the engagement of the external slip and the CT. The slip of the connector does not rotate, and the slip lock sleeve is clamped to the outer diameter of the tubing through the external cone. The slip lock sleeve and the lower joint are meshed through an anti twist structure, which can make the connector transmit larger torque.

- > Easy installation, fast connection can be realized
- > Transmissible torque
- > Use high strength slip to improve the reliability of tools
- > Use double O-ring sealing
- > Suitable for drilling, milling, fishing and other CT operations

Part number	CT Size	(in) OD	(in) ID	Slip bearing	Connection
005-225-00	1 1/2"	2.250	1.00	44000lbs/20t	1 1/2"AMMT
005-287-00	1 3/4"	2.875	1.50	59500lbs/27t	2 3/8"PAC
005-287-10	2"	2.875	1.50	56100lbs/30t	2 3/8"PAC
005-312-00	2 3/8"	3.125	1.50	79400lbs/36t	2 3/8"PAC

Internal Slip Connector

The internal slip connector is a device that provides a quick connection between down-hole tools and Coil. Through a unique non-rotational slip arrangement providing high bi-directional torque resistance and can be easily connected without special tools. A new anti-looseness device is designed to provide and prevent Internal fastening nut loosening .

- > High strength and fast connection
- > Non-Rotating and slip replaceable
- > Use double O-ring sealing
- > Used for restricted operation of tool outside diameter

Part number	CT Size	OD (in)	ID (in)	Slip bearing	Connection
009-150-00	1 1/2"	1.50	0.625	14000lbs/6.35t	1"AMMT
009-175-00	1 3/4"	1.75	0.680	15000lbs/6.80t	1"AMMT
009-200-00	2"	2.00	0.870	17000lbs/7.25t	11/2"AMMT

Roll-On x Thread Connector

The Roll-On x Thread Connector is to press the coiled tubing and connector together through the crimping tool to realize the quick connection between the coiled tubing and the down-hole tools. The Roll-On x Thread Connector can be applied to all specifications of the coiled tubing.

Two way Roll-On x Thread Connector is to press the coiled tubing and the coiled tubing together through the crimping tool to realize the continuous connection between the coiled tubing. The Two way Roll-On x Thread Connector can be applied to all specifications of the coiled tubing.

- > High tensile strength
- > Double seals
- > Simple operation
- > Can transmit large torque
- > Two interchangeable wheels(Roll-on wheel and cutting wheel)

Part number	CT Size	OD (in)	ID (in)	Connection
001-125-00	1 1/4"	1.50	0.50	1"AMMT
001-150-00	1 1/2"	1.50	0.75	1"AMMT
001-175-00	1 3/4"	1.75	0.75	1"AMMT
001-200-00	2"	2.00	1.00	1 1/2 "AM MT

Dimple Connector

The Dimple Connector is pressed out of the pit in the coiled tubing through the press hole tool / drawing tool and connected to the coiled tubing through the screw. The rivet connector pit tool is equipped with a slide hammer, which is helpful for the installation and removal of the tool.

- > Double seals
- > Easy installation and removing
- > The connector is reusable
  Ball screw is labor-saving and durable
- > Drawing tool for easy installation and removal

Part number	CT Size	OD (in)	ID (in)	Connection
010-200-00	1 1/4"	2	0.75/1.00	T'AMMT
010-212-00	1 1/2"	2.125	1.00	1 1/2"AMMT
010-250-00	1 3/4"	2.5	1.00	1 1/2"AMMT
010-287-00	2"	2.875	1.375	2 3/8"PAC
010-312-00	2 3/8"	3.125	1.375	2 3/8"PAC

Slim connect External Slip Connector

The Slim connect External Slip Connector is used when working with high torque and high tensile loads. The outer slip connector and rivet connector are combined to improve the reliability of the tool.

>

- > Can bear high torque and high tensile strength
- > Double sealing
- > Easy installation and removing
- > Suitable for drilling, milling, fishing and other CT operations

Part number	CT Size	OD (in)	(in) ID	Connection
013-200-00	1 1/4"	2	0.75/1.00	T'AMMT
013-212-00	1 1/2"	2.125	1.00	1 1/2"AMMT
013-250-00	1 3/4"	2.5	1.00	1 1/2"AMMT
013-287-00	2"	2.875	1.375	2 3/8"PAC
013-312-00	2 3/8"	3.125	1.375	2 3/8"PAC

Internal Dimple Connector

The Internal Dimple connector is used for quick connection between coiled tubing and tools or between coiled tubing. The connector is equipped with a special manual dimple pressing tool or hydraulic dimple pressing tool.

- > Easy makeup
- > High tensile strength> High torsional strength
- > Connection between coiled tubing

Part number	CT Size	OD (in)	ID (in)
003-125-00	1 1/4"	1.25	0.50
003-150-00	1 1/2"	1.50	0.75
003-175-00	1 3/4"	1.75	0.75
003-200-00	2"	2.00	1.00
003-237-00	2 3/8"	2.375	1.375

Motorhead Assembly (MHA)

The Motorhead Assembly (MHA) was developed in response to industry demands for compact, heavy duty integrated BHA components. The MHA combines the twin flapper check valve with the Heavy Duty Hydraulic Disconnect (HDHD) and the dual circulation valve.The motor head is designed with high torsion resistance and impact resistance, which can be used in high demand coiled tubing drilling operation

- > Reduced overall length
- > Convenient and fast connection at well site
- > High torsional
- > Good impact resistance
- > Drop the ball to establish circulation channel

Part number	(in) OD	(in) ID	(lbs) Tensile Strength	Fish Neck / GS	Connection
050-159-00	1.687	0.406	35000	2"GS	1"AMMT
050-175-00	1.750	0.406	40000	2"GS	1"AMMT
050-213-00	2.125	0.406	50000	2"GS	1 1/2"AMMT
050-225-00	2.250	0.687	60000	2 1/2"GS	1 1/2"AMMT
050-238-00	2.375	0.687	65000	2 1/2"GS	1 1/2"AMMT
050-287-00	2.875	0.750	100000	3"GS	2 3/8"PAC
050-312-00	3.125	0.875	100000	3"GS	2 3/8"PAC

Twin Flapper Check Valve

Twin Flapper Check Valve is a conventional coiled oil tool, which can prevent the well fluid from flowing back to the coiled tubing when the coiled tubing string or surface equipment fails or is damaged . The Twin Flapper Check Valve is designed with a double sealing structure in each group of the valve assembly to improve the tool safety.

> Double sealing ensures under low/high pressure
> Large diameter structure for easy drop the ball
> Two Flappers assembly can be replaced

Part number	(in) OD	(in) ID	(lb) Tensile Strength	ISO Connection
020-169-00	1.687	0.687	55000	T'AMMT
020-175-00	1.750	0.687	70000	T'AMMT
020-213-00	2.125	0.891	90000	1 1/2"AMMT
020-225-00	2.250	1.031	70000	1 1/2"AMMT
020-238-00	2.375	1.031	90000	1 1/2"AMMT
020-287-00	2.875	1.375	110000	2 3/8"PAC
020-312-00	3.125	1.375	135000	2 3/8"PAC

Heavy Duty Hydraulic Disconnect

The heavy duty hydraulic disconnect allows the toolstring to detach at a predetermined point via the deployment of a drop/trip ball through the coiled tubing. The drop ball locates on a piston sleeve, creating sufficient back pressure to shear the pins and disconnect the tool. When this happens, the piston sleeve pushes the tool apart to ensure a clean disconnect, and circulation is immediately returned to the toolstring, providing a surface indication of a positive disconnect. All piston sleeves and drop balls are returned to the surface, leaving a standard GS internal fish neck for retrieval purposes.

- > simple structure and easy assembly
- > High tensile strength
- > high torque
- > standard GS internal fish neck
- > Widely used in coiled tubing operations and can be used with jar

Part number	(in) OD	ID (in)	Fish Neck / GS	Connection
030-169-00	1.687	0.468	2"GS	1"AMMT
030-175-00	1.750	0.468	2"GS	1"AMMT
030-213-00	2.125	0.468	2"GS	1 1/2"AMMT
030-225-00	2.250	0.782	2"GS	1 1/2"AMMT
030-238-00	2.375	1.062	2 1/2 "GS	1 1/2"AMMT
030-287-00	2.875	0.875	3"GS	2 3/8"PAC
030-312-00	3.125	1.062	3"GS	2 3/8"PAC

Dual Activated Circulation Valve

The dual activated circulation valve offers a traditional method of returning circulation of the toolstring through use of a drop ball. In addition, the valve is capable of operating through internal overpressure within the tubing string.Conventional dual circulation valves use a burst or rupture disc to return circulation through overpressure. However, the dual-activated circulation valve offers a pressure differential activated piston.The piston activation pressure can be predetermined at the surface through shear pins, offering superior flexibility and considerable savings on redress.

> Simple operate

> Simple structure, convenient assembly and maintenance

Part number	(in) OD	(in) ID	Connection
040-169-00	1.687	0.406	1"AMMT
040-175-00	1.750	0.406	1"AMMT
040-213-00	2.125	0.406	11/2"AMMT
040-225-00	2.250	0.625	11/2"AMMT
040-238-00	2.375	0.625	11/2"AMMT
040-287-00	2.875	0.750	2 3/8"PAC
040-312-00	3.125	1.062	2 3/8"PAC

Double-acting hydraulic jar

With complex geological structures, Improper operation, mud, string and other reasons, the drilling tool often sticks.When the drilling tool sticks in the well bore, the Jar delivers shock force to the string up or down through the jar action, so as to release the stuck point. Hydraulic Jars are widely used in work over operations such as coiled tubing fishing, which makes fishing operations more reliable and fast.

The viscosity of hydraulic oil inside the jar determines the delay of energy storage time, and the high viscosity hydraulic oil will produce a higher delay. By testing and adjusting the viscosity of hydraulic oil, the delay time and shock force of the jar can be tailored to the users requirements.

The hydraulic jar adopts an advanced structure to produce strong force. The jar has a compact structure, easy maintenance, simple and reliable operation, long service life and low cost.

- > Repeatable operation
- > Two way shock to improve work efficiency
- > Shorter tool design
- > Small starting force and large shock force

Part number	OD	ID	Length	Stroke	Connection
200-175-00	1.75in(44.5mm)	0.375in(9.5mm)	50in(1270mm)	10in(254.0mm)	1"AMMT
200-212-00	2.125in(54.0mm)	0.500in(12.7mm)	50in(1270mm)	10in(254.0mm)	11/2"AMMT
200-287-00	2.875in(73.0mm)	0.875in (22.2mm)	70.8in (1800mm)	10in(254.0mm)	2 3/8"PAC

The spring intensifiers

Spring intensifiers and a CT hydraulic jar are used together. It can provide balanced tension / thrust and acceleration for the hydraulic jar. The spring accelerator stores the tension / thrust energy in the compression spring. When the hydraulic jar jars, the spring suddenly releases, thus enhancing the shock force of the vibration.

- > Full flow through bore
- > High sit down load
- > Simple redress

Part number	OD	ID	Stroke	Connections
072-212-00	2.125in(54.0mm)	0.500in(12.7mm)	6.00in(152.4mm)	1 1/2"AMMT
072-287-00	2.875in(73.0mm)	0.750in (19.0mm)	6.25in(158.8mm)	2 3/8"PAC

Hydraulic Vibration Apparatus

The Hydraulic Vibration Apparatus changes the flow area of the valve disc through reciprocating motion of the power valve at the lower part of the motor rotor, which produces a pressure pulse, so that the tool produces axial and radial motion to the coiled tubing, connected by the upper joint, which changes the friction between the coiled tubing and the well wall, reducing the rate of sliding friction coefficient , so as to reduce resistance between the pipe and the well wall, which can effectively avoid the occurrence of accidents such as sticking improve the depth and efficiency of running in.

- > Reduced friction due to spiral buckling
- > Improved drilling and grinding time
- > Can be reached deeper distance in a long horizontal well

Part number	(in) Length	(in) OD	(Psi) Differential Pressure	(KN) Tensile Strength	Connection
071-287-00	88.1	2.875	400-800	347	2 3/8"PAC

All metal Hydraulic Vibration Apparatus

All metal Hydraulic Vibration Apparatus is a unique drag reduction tool for coiled tubing. The tool can provide negative pressure pulse to vibrate the coiled tubing and reduce the friction resistance at the same time. The negative pressure pulse generated by the flow of fluid produces the fluid impact force, It reduces the friction between coiled tubing and casing and provides hydraulic tension. The reduced friction reduces the spiral buckling of coiled tubing, which usually leads to the failure of coiled tubing to run into sufficient depth.

- > Reduced friction due to spiral buckling
- > Improved drilling and grinding time
- > Can be reached deeper distance in a long horizontal well

Part number	(in) Length	(in) OD	(Psi) Differential Pressure	(KN) Tensile Strength	Connection
070-287-00	28.34	2.875	400-800	450	2 3/8"PAC

Fluted Centralizer

The fluted centralizer is designed to be included as part of the coiled tubing work string to assist in providing centralization to allow easier location of tools during fishing or to provide general stability in the tubing.

The fluted centralizer has a full flow through bore, allowing the passage of darts or drop balls.

Simple and reliable structure

> Full flow through bore for drop the ball

Part number	(in) OD	fig (in) ID	(ib) ( ) Tensile Strength	(in) Length	Connection
066-200-00	2.000	0.750	46000	6.000	0.6875
066-225-00	2.250	0.750	48000	6.000	0.6875
066-262-00	2.625	0.875	78000	6.000	0.7500
066-275-00	2.750	1.000	78000	6.000	0.9375
066-300-00	3.000	1.000	78000	6.000	0.9375
066-350-00	3.500	1.000	80000	6.000	0.9375
066-400-00	4.000	1.000	80000	6.000	0.9375
066-425-00	4.250	1.000	100000	10.000	0.9375
066-450-00	4.500	1.250	100000	10.000	1.125

Flow Activated Bow Spring Centralizer

The flow-activated bow spring centralizer is designed so that the bow springs are normally retracted. The bow springs only expand when a pressure differential is achieved across the tool. This enables the centralizer to pass through restricted spaces, such as the bores of the tail pipe, and then expand out into larger spaces without any unnecessary wear on the bow springs.

> Full flow through bore for drop the ball

> Multiple applications

Part number	(in) OD	(in) ID	Length	(in) Free OD	(psi) Starting pressure	Connection
068-169-00	1.687	0.510	40	1.6875-6.5	300-1200	T'AMMT
068-212-00	2.125	0.750	40	2.125-7	500-1000	11/2"AMMT
068-225-00	2.250	0.750	42.85	2.25-7	300-700	11/2"AMMT
068-270-00	2.700	0.937	47.25	2.75-8.5	500-650	11/2"AMMT
068-312-00	3.125	0.937	44	3.125-8	500-1000	2 3/8"APC

Bow Spring Centralizer

The Bow Spring Centralizer (bow spring) is designed for use with coiled tubing toolstrings or when running downhole gauges out through the tail pipe and into the casing.The coiled tubing centralizer (bow spring) is able to pass through the restricted bores of the tail pipe and expand into the casing liner below, enabling the tools to be held away from the casing.

> Full flow through bore for drop the ball
> Multiple applications

Part number	(in) OD	(in) ID	(in) Length	(in) Free OD	(psi) Starting pressure	Connection
067-159-00	1.687	0.510	40	1.6875-6.5	300-1200	1"AMMT
067-212-00	2.125	0.750	40	2.125-7	500-1000	11/2"AMMT

Flow Activated Double-Ended Selective Shifting Tool/Flow Activated Shifting Tool

The shifting tool has been designed to selectively shift tool in horizontal wellbores. Shifting keys can be custom designed for other profiles as needed. The shifting tool keys are normally retracted during the running operation, and are flow-activated to the open shift position by increasing surface pump volume, and therefore, pressure at the downhole location of the shifting tool. The shifting tool can selectively open or close in a single coiled tubing trip.

> Flow-activated; no drop balls required
> Dual action for opening or closing sliding sleeves
> Positive or selective key options

ws SIZE	(in) Free OD	(in) ID	(psi) Starting pressure	(lb) Tensile strength	Connection
1.875	1.85"~2.16"	0.25"	5000	31806	1"AMMT
2.312	2.15"~2.60"	0.25"	5000	38410	1 1/2"AMMT
2.530	2.63"~3.00"	0.34"	5000	38728	1 1/2"AMMT
2.750	2.72"~3.02"	0.39"	5000	50208	1 1/2"AMMT
2.812	2.76"~3.16"	0.39"	5000	93232	1 1/2"AMMT
3.688	3.66"~4.15"	0.44"	5000	103148	2 3/8"PAC
3.813	3.75"~4.09"	0.72"	5000	160149	2 3/8"PAC
4.562	4.52"~4.99"	0.72"	5000	192232	2 3/8"PAC

Knuckle Joint

The knuckle joint is usually used under a jar to improve the flexibility of the tool string and . facilitate the tool entry. The conventional knuckle joint transfers torque. The tool string at the lower part of the joint can rotate 360 ° and the torsional resistant knuckle joint can transfer torque through the internal limit key structure. The knuckle joint has a maximum deflection angle of 15 °. tarting pressure

> Full flow through bore for drop the ball
> Good sealing performance

Part number	(in) OD	(in) ID	Length (in)	Deflection Angle	Connection
060-159-00	1.687	0.500	10.461	15°	1"AMMT
060-175-00	1.750	0.500	10.461	15°	1"AMMT
060-212-00	2.125	0.500	9.260	15°	1 1/2"AMMT
060-237-00	2.375	0.750	9.604	15°	1 1/2"AMMT
060-287-00	2.875	1.000	10.0	15°	2 3/8"PAC
060-312-00	3.125	1.000	11.000	15°	2 3/8"PAC

Rotating Wash Tool

Rotating Washing tool is a tool for cleaning borehole, which is mainly composed of Top Coupling, connect rod, washing nozzle, Thrust ball bearing. This tool can wash the wall of paraffin wax, rust, sediment and other attached debris by dynamic rotation, after pressing rely on hydraulic automatic rotation to flush the wall.

- > Simple structure, easy to assemble and maintain
- > Thrust ball bearing is designed to reduce friction between parts
- > Corrosion resistant alloy can be used for pickling operating

Part number	(in) OD	(mm) Nozzle Types	Connection
105-150-00	1.5	ct3.2x2@90°+<t>3.2x2@45°+<t'3.2	1 "AMMT
105-175-00	1.75	<h3.2x3@90°+O3.2x3@45°+<i>3.2	1 "AM MT
105-212-00	2.125	O3.2x4@9O°+03.2x4@45°+O>6.35	1 1/2"AMMT
105-287-00	2.875	<t>3.2x4@90°+<t'3.2x4@45°+<t>6.35	2 3/8"PAC

Jetting Nozzles

单孔喷嘴 Single Port Flow Thru Nozzle			
外径（in）	内径（in）	总长（in）	喷嘴组合（in）
1.687	0.250	5.500	1x0.250
2.125	0.500	6.000	1x0.500
2.375	0.750	6.000	1x0.750
3.125	0.875	6.000	1x0.875

多孔向上喷嘴 Multiple Back Flow Nozzle			
外径（in）	内径（in）	总长（in）	喷嘴组合（in）
1.687	N\A	6.000	4x0.250@135°
2.125	N\A	6.000	4x0.250@135°
2.375	N\A	6.000	4x0.312@135°
3.125	N\A	6.000	4x0.375@135°

多孔水平喷嘴 Multiple Side Flow Nozzle			
外径（in）	内径（in）	总长（in）	喷嘴组合（in）
1.687	N\A	5.500	4x0.250@90°
2.125	N\A	6.000	4x0.250@90°
2.375	N\A	6.000	4x0.312@90°
3.125	N\A	6.000	4x0.375@90°

多孔向下喷嘴 Multiple Flow Port Nozzle			
外径（in）	内径（in）	总长（in）	喷嘴组合（in）
1.687	N\A	6.000	1x0.250 4x0.250@45°
2.125	N\A	4.500	1x0.250 4x0.250@45°
2.375	N\A	8.000	1x0.250 4x0.250@45°
3.125	N\A	8.000	1x0.250 4x0.250@45°

多孔复合喷嘴 Multiple Up Flow Nozzle			
外径（in）	内径（in）	总长（in）	喷嘴组合（in）
1.687	0.500	6.000	1x0.500+4x0.187@45° +4x0.187@90°
2.125	0.875	6.000	1x0.500+4x0.250@45° +4x0.250@90°
2.375	0.875	8.000	1x0.625+4x0.312@45° +4x0.312@90°
3.125	0.875	8.000	1x0.750+4x0.375@45°

Coiled tubing fast completion string

For low pressure and low production gas wells, because of its lower gas production and Poor liquid carrying capacity, the gas flow rate in the tubing is an important factor affecting the gas well drainage. Higher gas velocity of the bottom hole tubing , the greater the liquid carrying energy provided. In order to prevent the liquid from falling back and reduce the bottom hole liquid accumulation, a certain velocity of gas must be guaranteed. And running in the small diameter string can effectively reduce the cross-sectional area, increase the gas flow rate, and achieve the purpose of gas production and drainage. The coiled tubing velocity string tool is composed of annular pressure connector, plug, perforated pipe and guide shoe.

> Simple structure, easy to assemble and maintain
> Low application cost.

Part number	(in) OD	Shearing force (per)	(mm) Length
300-125-00	1.25	8.2MPa(njj£ 4 £)	605.0
300-150-00	1.50	5.0MPa(nji£ 6 £)	735.0
300-175-00	1.75	5.0MPa(nji£ 6 J)	800.0
300-200-00	2.00	5.0MPa(nf^ 6 5)	850.0

Flow Activated GS Type Running/Pulling Tool

The flow-activated GS-type running/pulling tool is designed to run and retrieve downhole tools with conventional internal fish necks. 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.

Flow-activated GS-type running/pulling tools are available for all standard internal fish neck sizes.

- > Full hydraulic operation
- > Multiple latch and release capability
- > Proven dog/core design
- > Available to catch internal fish necks from 2"to 7"

Part number	(in) OD	(in) ID	Tensile Strength	Length (in)	Pull OD	Operating Pressure
203-181-00	1.810	0.250	35000lbs	18.150	2"GS	lOOOpsi
203-225-00	2.250	0.390	55000lbs	18.375	2.5"GS	1200psi
203-272-00	2.720	0.390	70000lbs	17.885	3"GS	1350psi
203-311-00	3.110	0.390	75000lbs	17.812	3.5"GS	1200psi
203-362-00	3.620	0.390	80000lbs	17.600	4"GS	1200psi
203-450-00	4.500	0.390	1000001 bs	17.375	5"GS	500psi
203-637-00	6.375	0.390	1200001 bs	16.880	7"GS	450psi

Flow Activated Releasable Overshot Tool

The flow-activated releasable overshot tool is a variable catch external overshot used to retrieve a lost cylindrical fish from the wellbore. The flow-activated releasable overshot tool is run in hole until it latches onto the fish and butts out. Pulling up will cause the slips to set into the fish.

Should the fish be irretrievable, the tool can be released from the fish by flow activation and returned to surface. A variety of choke sizes are available to suit different flow rates and fluid densities.

- Flow or drop ball activated
- Hardened and double tempered slips
-)► Robust construction
- Variable slips sizes for each tool

卡爪参数 Tool Extension Kits					
工具规格 Tool size	2"	2 1/2"	3"	3 1/2"	4"
卡爪规格 slips	打捞范围 Retrieve size				
1/2"	7/16"~9/16"	7/16"~9/16"	3/8"~9/16"	--	3/8"~5/8"
5/8"	9/16"~11/16"	9/16"~11/16"	9/16"~3/4"	1/2"~11/16"	--
3/4"	11/16"~13/16"	11/16"~13/16"	--	11/16"~7/8"	5/8"~7/8"
7/8"	13/16"~15/16"	13/16"~15/16"	3/4"~15/16"	--	--
1"	15/16"~1 1/16"	15/16"~1 1/16"	15/16"~1 1/8"	7/8"~1 1/16"	7/8"~1 1/8"
1 1/8"	1 1/16"~1 3/16"	1 1/16"~1 3/16"	--	1 1/16"~1 1/4"	--
1 1/4"	1 3/16"~1 5/16"	1 3/16"~1 5/16"	1 1/8"~1 15/16"	--	1 1/8"~1 3/8"
1 3/8"	1 5/16"~1 7/16"	1 5/16"~1 7/16"	1 15/16"~1 1/2"	1 1/4"~1 7/16"	--
1 1/2"	1 7/16"~1 9/16"	1 7/16"~1 9/16"	--	1 7/16"~1 5/8"	1 3/8"~1 5/8"
1 5/8"		1 9/16"~1 11/16"	1 1/2"~1 11/16"	--	--
1 3/4"		1 5/8"~1 3/4"	1 11/16"~1 7/8"	1 5/8"~1 13/16"	1 5/8"~1 7/8"
1 7/8"			--	1 13/16"~2"	--
2"			1 7/8"~2 1/16"	2 "~2 3/16"	1 7/8"~2 1/8"
2 1/4"			--	2 1/8"~2 5/16"	2 1/8"~2 3/8"
2 1/2"					2 3/8"~2 5/8"
2 3/4"					2 5/8"~2 7/8"

Flow Activated Releasable Overshot Tool Technical Specifications					
Retrieve	W (in) OD	Slip	(psi) Starting pressure	(psi) Starting pressure	Connection
2"	1.850	0.250	15/16"~1 1/16"	650	1"AMMT
2 1/2"	2.125	0.390	1 7/16"~l 9/16"	650	1 1/2"AMMT
2 1/2"	2.250	0.390	1 7/16"~l 9/16"	650	1 1/2"AMMT
3"	2.625	0.390	1 7/16"~2 1/16"	1100	1 1/2"AMMT
3 1/2"	3.250	0.390	2 "~2 3/16"	900	2 3/8"PAC
4"	3.800	0.390	2 3/8"~2 5/8"	900	2 3/8"PAC

Casing Magnetic Fishing tool

The Casing Magnetic Fishing tool uses a strong magnet with the tool to magnetize and collect metal debris and recover to the surface, so as to effectively fish small pieces of falling objects and free the wellbore.

- > Full flow through bore
- > High temperature magnet
- > Simple structure
- > quick cleanup and maintenance

Part number	(in) OD	(in) ID	(mm) Length	(mm) Effective length	Connection
241-287-00	2.875	0.850	1200	1000	2 3/8"PAC
241-315-00	3.150	1.000	1200	1000	2 3/8"PAC
241-415-00	4.125	1.500	1400	1000	2 3/8"PAC/2 7/8"PAC/2 7/8"IF
241-475-00	4.750	1.500	1400	1000	2 3/8"PAC/2 7/8"PAC/2 7/8"IF

Venturi Junk Basket

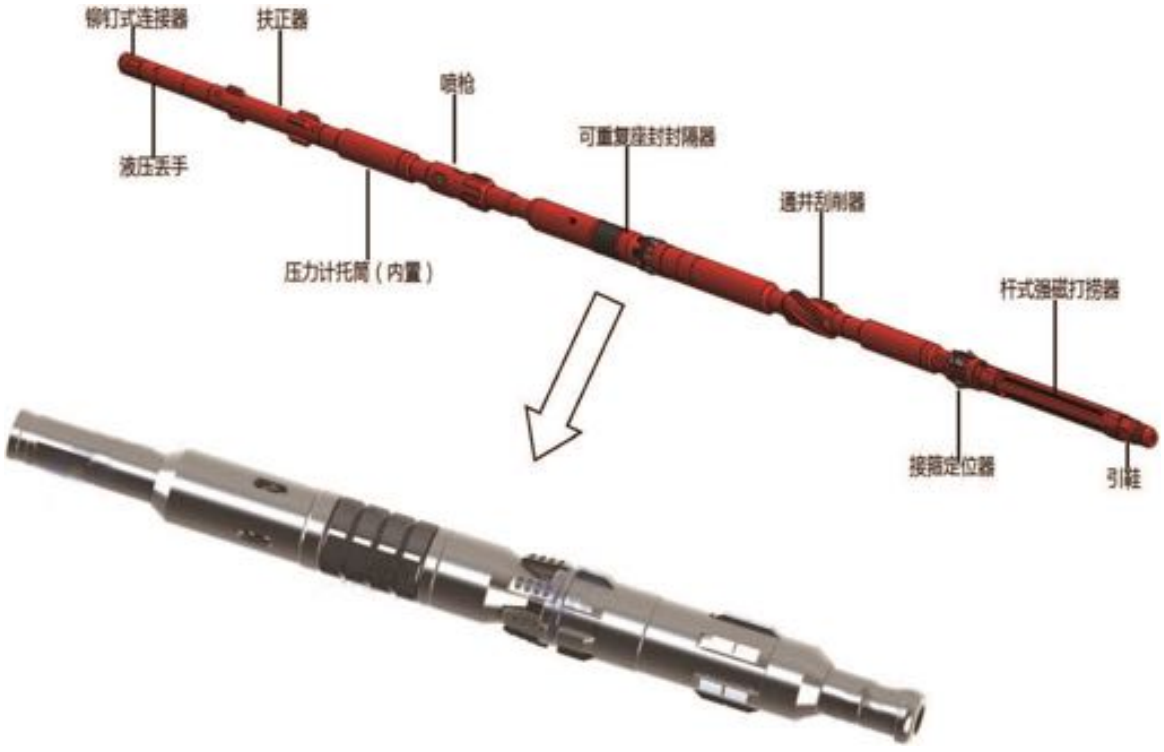
The Venturi junk basket is a tool used to retrieve junk and debris from the wellbore. When fluid is pumped through the string of the coiled tubing and out through the nozzles in the Venturi chamber, a vacuum is created. Fluid is sucked from the bottom of the tool to exit back through the Venturi tubes. Most of this fluid mixes with the pressurized fluid to be recirculated around the bottom of the tool.

Part number	(in) OD	ID (in)	Nozzle number	Nozzle retrieve	Connection
206-215-00	2.125	34.250	1	0.062",0.078",0.094" 0.109",0.125",0.140" 0.156",0.171",0.187"	1 1/2"AMMT
206-265-00	2.625	36.687	3	0.062",0.078",0.094" 0.109",0.125",0.140 0.156",0.171",0.094	1 1/2"AMMT
206-312-00	3.125	41.875	3	0.162",0.078",0.094 0.109",0.125",.0.140 0.156",0.171",.0.187	2 3/8"PAC

Coiled Tubing fracturing tools

By using a combination of CT with a bottom Packer and perforation jet, to sand fracture, cycle time is reduced and no drilling plug required, therfore resuming production and eliminating long fracturing times, saving valuable time and cost.

> Capable of being set and released multiple times
> Short, slim and compact system
> High temperature, high pressure
> Allows for precise positioning and positive depth



Part number	(in) OD	(in) Case Size	(C) Temperature	(psi) Pressure	Tensile strength
400-550-00	115	5 1/2"	180	10000	630KN
400-450-00	98	4 1/2"	180	10000	550KN

Flange Lubricator

We offer different sizes of flange and CT lubricator.