



COILUSA
DOWNHOLE TOOLS

Surface Tools

Fishing Tools

**Well Intervention
Tools**



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Contents

<u>Work Window - 26 Series</u>	5
<u>Grapple X Cable Connector – 50 Series</u>	6
<u>Grapple X Knuckle X Cable Connector – 50 Series</u>	7
<u>Grapple X Knuckle X Grapple Connector – 50 Series</u>	8
<u>Grapple X Knuckle X Knuckle X Grapple Connector – 50 Series</u>	9
<u>External Dimple Connector – 100 Series</u>	10
<u>Slip Connector – 100 Series</u>	11
<u>Slide Hammer – 130 Series</u>	12
<u>Slip Dimple Coil Connector – 255 Series</u>	13
<u>Sleeved Dimple Connector – 270 Series</u>	14
<u>Internal Dimple Connector – 280 Series</u>	15
<u>Seam Remover – 281 Series</u>	16
<u>Flow Thru Internal Dual Dimple Connector - 290 Series</u>	17
<u>Ball Check Valve – 300 Series</u>	18
<u>Poppet Check Valve – 300 Series</u>	19
<u>Tandem Flapper Check Valve – 300 Series</u>	20
<u>Dual Kelly Cock Valve – 377 Series</u>	21
<u>No-Go – 400 Series</u>	22



Wash Shoes – 400 Series	23
Mechanical Drive Tool – 520 Series (Available For Rent Only)	24
Multi-Lateral Re-Entry System- 560 Series	25
Roll-On X Roll On Connector – 600 Series	27
Roll-On Threaded Connector – 700 Series	28
Quick Connect – 820 Series	29
Hammerhead – 840 Series	30
Motorhead Assembly – 850 Series	31
Big Bore Hydraulic Disconnect – 870 Series	32
Big Bore Tandem Flapper Check Valve – 870 Series	33
Hydraulic Disconnect – 870 Series	34
Circulation Disconnect – 877 Series	35
Gs Pulling Tool – 890 Series	36
Crossovers – 900 Series	37
Straight Bar – 1000 Series	38
Coil Tubing Clamps – 1020 Series	39
Test Subs – 1050 Series	40
Test Subs (Flow) – 1055 Series	41
Pull Test Plates – 1075 Series	42
Bow Spring Centralizer – 1200 Series	43



Double Ball Drop Circ Sub – 1310 Series	44
Flow Diverter – 1375 Series	45
Knuckle Joint Assembly – 1400 Series	46
Torque Thru Knuckle Joint Assembly – 1450 Series	47
Rotating Wash Tool – 1600 Series	48
Helix Multi Stimulation Technology – 1620 Series (Avail For Rent Only)	49
Bit Enhancement Sub – 1630 Series (Avail For Rent Only)	50
Extended Reach Tool – 2200 Series (Avail For Rent Only)	51
Drilling Magnet – 4000 Series	52
Hydraulic Release Overshot – 5010 Series	53
Hydraulic Set Abandonment Plug - 5250 Series	54
Drain Sub - 5300 Series	55
Fishing Magnet – 5630 Series	56
External Spear With Drain Sub - 5640 Series	57
Prong Wire Grab - 5650 Series	58
Bi-Directional Jar – 5800 Series (Available For Rent Only)	59
Intensifier - 5830 Series	60
Coil USA - Automatic Flow Diverter – 6200 Series (Avail For Rent Only)	61
Aluminum Stabbing Dart/Pump Out Plug – Alum Series	62



COIL TUBING PRODUCTS

Work Window – 26 Series

This Work Window was designed to allow large tool string to be deployed into a live well without disconnecting the coiled tubing injector from the wellhead. The Window can be connected over the wellhead by R46 flanged connections. The 20” opening allows for the insertion of coiled tubing slips, seal assemblies and its even large enough to insert a (ESP) into a well.

Features

- Use in live well conditions
- Rated for 5000 psi and H2S compatible
- Large Bore for ESP deployment
- Hydraulic operation
- Increases safe work practices by allowing access to coiled tubing without breaking wellhead integrity

*Note: All values are rated for NACE material.

Tool OD Max (in)	21-1/2”
Connection Upper	Bowen B11
Connection Lower	R46
Opening Height (Work Area)	20”
ID (in)	7-1/16”
Pressure (PSI)	5000 PSI
Overall Height (in)	2,800
Lifting Capacity	68,000 lbs





COIL TUBING PRODUCTS

Grapple x Cable Connector – 50 Series

The Grapple x Cable Connector was designed to be used for pulling coil tubing straight into the injector or moving coil back to the reel without maneuvering through the gooseneck or any type of obstacles where flexibility is not required.

Features

- Straight pull internal grapple connector
- Cable on connector can be length of choice
- Nose cone guided entry
- Injector can be horizontal with coil reel
- Can use any existing unit cable system
- Smooth transition into injector chairs



* Length of cable can be ordered to desired length.

*Note: All values are rated for Standard material.

Coil Sizes (in)	2"	2 3/8"	2 5/8"	2 7/8"	3 1/4"
Wall Thickness (in)	.125"-.204"	.125"-.204"	.125"-.204"	.125"-.204"	.156"-.204"
Tensile Strength (lbs.)	2,800	5,000	5,000	5,000	7,800
Cable Size (in)	3/8	1/2	1/2	1/2	5/8

*Other sizes and variations upon request.



COIL TUBING PRODUCTS

Grapple x Knuckle x Cable Connector – 50 Series

The Grapple x Knuckle x Cable Connector was designed for the extra flexibility needed to pull coil tubing over the gooseneck and into the injector or moving coil back to the reel.

Features

- Knuckle joint internal grapple connector
- Cable on connector can be length of choice
- Nose cone guided entry
- Coil can be smoothly threaded over gooseneck and through injector
- Can use any existing unit cable systems
- Smooth transition over gooseneck into injector chains



* Length of cable can be ordered to desired length.

*Note: All values are rated for Standard material.

Coil Sizes (in)	2"	2 3/8"	2 5/8"	2 7/8"	3 1/4"
Wall Thickness (in)	.125"-.204"	.125"-.204"	.125"-.204"	.125"-.204"	.156"-.204"
Tensile Strength (lbs.)	2,800	5,000	5,000	5,000	7,800
Cable Size (in)	3/8	1/2	1/2	1/2	5/8

*Other sizes and variations upon request.



COIL TUBING PRODUCTS

Grapple x Knuckle x Grapple Connector – 50 Series

The Grapple x Knuckle x Grapple Connector was designed to be used when spooling coil from reel to reel. The knuckle design feature allows for flexibility when needing to pass through the gooseneck and injector without having to disconnect.

Features

- Quick connection from coil to coil for spooling
- Can be used to thread coil over gooseneck and through injector
- Light pulling of coil from the well
- No welding required to spool coil
- Less down time
- No welding near well head



*Note: All values are rated for Standard material.

Coil Sizes (in)	2"	2 3/8"	2 5/8"	2 7/8"	3 1/4"	3 1/2"
Wall Thickness (in)	.109-.204	.125-.250	.175-.250	.156-.276	.156-.276	.175-.300
Tensile Strength (lbs.)	19,000	32,000	41,000	40,000	36,000	32,000
Length (in)	21	22	23	23	23	25

*Other sizes and variations upon request.



COIL TUBING PRODUCTS

Grapple x Knuckle x Knuckle x Grapple Connector – 50 Series

The Grapple x Knuckle x Knuckle x Grapple Connector was designed to be used when spooling coil from reel to reel. The double knuckle design feature allows for flexibility when needing to pass through the gooseneck and injector without having to disconnect.

Features

- Double knuckle bending
- Quick connection from coil to coil for spooling
- Can be used to thread coil over gooseneck and through injector
- Light pulling of coil from the well
- Tighter transition for the coil to pass over the gooseneck into the injector
- No welding required to spool coil
- Less down time
- No welding near well head



*Note: All values are rated for Standard material.

Coil Sizes (in)	2"	2 3/8"	2 7/8"	3 1/4"	3 1/2"
Wall Thickness	.109-.204	.125-.250	.156-.276	.156-.276	.175-.300
Tensile Strength (lbs.)	19,000	32,000	40,000	36,000	32,000
Length (in)	26	27	28	30	31

*Other sizes and variations upon request.

* Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

External Dimple Connector – 100 Series

The External Dimple Connector was designed to attach the BHA to the end of the coil.

The Dimple Connector is secured to the outside of the coiled tubing by a series of set screws that seat a pattern of impressions created with a special design dimpling tool.

Features

- Fast & easy to redress
- High torque, high tensile applications
- Used for drilling, milling, and fracturing
- Slimline applications



*Note: All values are rated for Standard material.

Coil Size	1 1/2"	1 3/4"	2"	2 3/8"	2 5/8"	2 7/8"
Tool OD (in)	2.125	2.250	2.875	2.875	3.625	3.875
Connections	1 1/2" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" PAC	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	107,000	81,000	120,000	140,000	200,000	324,000
Torsional Strength (ft/lbs.)	1,600	1,600	4,000	4,000	4,000	5,810
ID (in)	1.000	1.000	1.375	1.375	1.375	1.000
Length (in)	8.000	7.000	7.750	9.125	9.125	8.500
Working Pressure (psi)	8,000	8,000	8,000	8,000	8,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

External Slip Connector – 100 Series

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 coil pulls the slips up the cap to set, then the bottom sub is rotated to tighten and bottom out coil inside of the bottom sub. An over pull is taken to set the slips further and retighten 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

*Note: All values are rated for Standard material.





COIL TUBING PRODUCTS

Slide Hammer – 130 Series

The Rugged Slide Hammer tool has been built to take on all jobs requiring hammering action while installing or uninstalling coil tubing tools.

Features

- Hard impact with every stroke
- Can be used to dislodge tools from coil
- Tool redress aid
- Can be used with any type of tool thread
- Continuous pulling or pushing power
- Removal of internal and external connectors
- Pulls apart rust locked up parts
- Can apply any type of crossover



* Length of cable can be ordered to desired length.

Tool OD(in)	N/A
Connections	Various
Tensile Strength (lbs.)	N/A
Torsional Strength (lbs.)	N/A
ID (in)	N/A
Length (in)	31
Working Pressure (psi)	N/A

*Other sizes and thread variations upon request



COIL TUBING PRODUCTS

Slip Dimple Coil Connector – 255 Series

The Slip Dimple Coil 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 and the set screws for extra torque securing of the connector.

The Slip Connector consists of a top sub, slip, brass ring, set screws, o’rings and a bottom sub with the desired connection. The dressed coil is stabbed into the connector and the coil pulls the slips up the cap to set, then the bottom sub is rotated to tighten and bottom out coil inside of the bottom sub. An over pull is taken to set the slips further and retighten the sub to ensure no more movement can be achieved. Set screws are then tightened.

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



*Note: All values are rated for Standard material.

Coil Size (in)	1.250	1.500	2.000	2.000	2.375	2.625
Tool OD (in)	1.688	2.125	2.250	2.875	3.125	3.625
Connections	1” AMMT	1 ½” AMMT	1 ½” AMMT	2 ¾” PAC	2 ¾” PAC	2 ¾” PAC
Tensile Strength (lbs.)	32,801	55,000	55,000	95,000	117,000	130,000
Torsional Strength (ft/lbs.)	615	1,400	1,400	3,500	4,000	4,000
ID (in)	.750	.892	.892	1.375	1.375	1.375
Length (in)	6.50	7.75	7.75	9.75	10.06	10.02
Working Pressure (psi)	10,000	10,000	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Sleeved Dimple Connector – 270 Series

The Sleeved Dimple Connector was designed to attach the bottom hole assembly to the end of the coil.

The internal dimple connector is secured to the inside of the coil tubing with the outer shell dimpled to the outer coil tubing.

Features

- Robust connector
- Difficult well bores
- Dependable
- Easy to change up coil wall thickness
- Heavy tensile and torque loads are possible
- Accommodates the harshest conditions
- Minimal downtime
- Interchangeable dimple inserts



*Note: All values are rated for Standard material.

Coil Tubing OD (in)	2	2.375	2.625	2.875
Tool OD (in)	2.875	2.875	3.125	3.375
Connections	2 3/8" PAC	2 3/8" PAC	2 3/8" PAC	2 3/8" PAC
Tensile Strength (lbs.)	100,000	120,000	120,000	120,000
Torsional Strength (ft/lbs.)	5,500	5,500	5,500	5,500
ID (in)	1.125	1.375	1.375	1.375
Length (in)	13.75	13.75	13.75	13.75
Working Pressure (psi)	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Internal Dimple Connector – 280 Series

The Internal Dimple Connector was designed to attach the BHA to the end of the coil.

The connector is secured to the inside of the coil tubing by a series of set screws that seat a pattern of impressions created with a special design dimpling tool.

Features

- Fast & easy to redress
- High torque, high tensile applications
- Used for drilling, milling and fracturing
- Slimline applicators & split applicators



*Note: All values are rated for Standard material.

Coil Sizes (in)	1.750	2.000	2.375	2.625	2.875
Tool OD (in)	1.750	2.000	2.375	2.875	2.875
Connections	1" MT	1-1/2" MT	1-1/2" MT	2-3/8" PAC	2-3/8" PAC
Tensile Yield (lbs.)	71,000	90,000	100,000	130,000	150,000
Torsional Strength (ft/lbs.)	690	1,600	1,600	4,000	4,930
ID (in)	.765	1.000	1.062	1.375	1.375
Length (in)	8.00	11.00	11.10	14.30	11.50
Working Pressure (psi)	10,000	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Seam Remover – 281 Series

The Seam Remover is utilized for removing the inner weld seam in coil tubing to allow for the installation of internal coil tubing connectors.

Features

- Quick and easy removal of the coil tubing seam leaving coil tubing with all thickness intact
- Easy removal of inner wall sea
- No need to use die grinder

Sizes: 2-3/8, 2-5/8, 2-7/8, 3-1/4, 3-1/2



*Note: All values are rated for Standard material.

Tool OD(in)	N/A
Connections	N/A
Tensile Strength (lbs.)	N/A
Torsional Strength (lbs.)	N/A
ID (in)	N/A
Length (in)	
Working Pressure (psi)	N/A

*Other sizes and thread variations upon request



COIL TUBING PRODUCTS

Flow Thru Internal Dual Dimple Connector – 290 Series

The Flow thru internal dual dimple connector allows the attachment of coil to coil for those jobs that require secure pull and flow thru capability

Features

- Quick assembly
- Reliable
- Easily attached to coil
- Flow Thru



*Note: All values are rated for Standard material.

Coil Sizes (in)	1.750	2.000	2.375	2.625	2.875
Tool OD (in)	1.750	2.000	2.375	2.875	2.875
Tensile Yield (lbs.)	40,000	60,000	80,000	100,000	100,000
Torsional Strength (ft/lbs.)	690	1,600	1,600	4,000	4,930
ID (in)	.765	1.000	1.062	1.375	1.375
Length (in)	8.00	11.00	11.10	14.30	11.50
Working Pressure (psi)	10,000	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Ball Check Valve – 300 Series

The Ball Check Valve is designed to provide a means of closing off back pressure from the coil tubing within the well.

The ball seals upon a seat, thus creating a metal to metal seal that provides a pressure tight barrier in one direction, but enables flow in the opposite direction.

Features

- Single or Tandem capability
- Comes in a variety of sizes and thread combinations

Benefits

- Easy and fast redress
- Cost effective



*Note: All values are rated for Standard material.

Tool OD (in)	1.250	1.5	1.687
Connections	¾" AMMT	1" AMMT	1" AMMT
Tensile Strength (lbs.)	15,000	33,000	28,000
Torsional Strength (ft/lbs.)	250	460	460
ID (in)	.531	.750	.750
Single Length (in)	6.60	10.79	11.15
Working Pressure (psi)	8,500	8,500	8,500

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Poppet Check Valve – 300 Series

The Poppet Check Valve is designed to provide a means of closing off back pressure from the coil tubing within the well.

The Poppet Check Valve consists of a spring and poppet design. The spring pushes up on the poppet which creates a metal to metal seal providing a pressure tight barrier in one direction, but enables flow in the opposite direction.

Features

- Single or tandem capability
- Robust design
- Easy and fast redress
- Cost effective
- Wear resistant



*Note: All values are rated for Standard material.

Tool OD (in)	1.250	1.5	1.688
Connections	¾" AMMT	1" AMMT	1" AMMT
Tensile Strength (lbs.)	15,000	33,000	28,000
Torsional Strength (ft/lbs.)	250	460	460
ID Flow(in)	.531	.750	.750
Single Length (in)	6.61	10.79	11.15
Working Pressure (psi)	8,500	8,500	8,500

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Tandem Flapper Check Valve – 300 Series

The Tandem 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 seals
- H2S compatible
- Designed for ball drop applications
- Larger bore than most
- Low and high pressure applications



*Note: All values are rated for Standard material.

Tool OD (in)	1 ¼	1 ½"	1 11/16"	2 ⅛"	2 ⅞"	3 ⅛"
Connections	¾" AMMT	1" AMMT	1" AMMT	1 ½" AMMT	2 ⅜" PAC	2 ⅜" PAC
Tensile Strength (lbs.)	29,000 lbs.	40,000 lbs.	32,000 lbs.	70,000 lbs.	170,000 lbs.	180,000 lbs.
Torsional Strength (lbs.)	500 lbs.	665 lbs.	690 lbs.	2700 lbs.	3700 lbs.	4200 lbs.
ID (in)	.525"	.688"	.765"	1.030"	1.030"	1.030"
Length (in)	9.50"	10.13"	10.00"	12.00"	12.62"	13.42"
Working Pressure (psi)	6,000 psi	10,000 psi	10,000 psi	10,000 psi	10,000 psi	10,000 psi

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Dual Kelly Cock Valve – 377 Series

The Dual Kelly Cock Valve was developed to safely deploy and retrieve coil tubing and jointed pipe assemblies.

Features

- Nitrated body parts
- Dual open and close ball system
- Pressure release screw
- Minimal down time for tool inspection
- Comes in a variety of sizes and thread combinations
- Easy and fast redress
- Cost effective



*Note: All values are rated for Standard material.

Tool OD (in)	1.687	2.125	2.375	2.875	3.125
Connections	1" AMMT	1 1/2" AMMT	N/A	2 3/8" PAC	N/A
Tensile Strength (lbs.)	35,000	84,000	N/A	100,000	N/A
Torsional Strength (ft/lbs.)	820	1440	N/A	6000	N/A
Tool ID (in)	.500	.750	N/A	.980	N/A
Single Length (in)	9	10	N/A	11	N/A
Working Pressure (psi)	5000	5000	N/A	5000	N/A

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

NO-GO – 400 Series

The NO-GO is installed at the top of the bottom hole assembly to ensure string tagging on the stripper when removing service tools from the well bore.

Features

- Hardened body
- Multi-function crossover
- Long lasting no-go stop
- Can be placed in tool string in multiple places for skid saver



*Note: All values are rated for Standard material.

Tool Body OD (in)	1.250	1.5	1.688	2.125	2.375	2.875
Tool No-Go OD (in)	1.250	1.750	2.000	2.500	2.750	3.250
Connections	¾ MT	1 MT	1 MT	1½ MT	1½ MT	2 ¾" PAC
Tensile Strength (lbs.)	29,000	52,000	61,000	63,000	80,000	170,000
Torsional Strength (ft/lbs.)	500	550	630	1400	1400	4500
ID (in)	.625	.750	.750	1.000	1.000	1.375
Length (in)	5.200	5.500	5.500	7.500	7.500	10.375
Working Pressure (psi)	10,000	10,000	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Wash Shoes – 400 Series

The Wash Shoes were designed to clean the inside of well tubulars. While flowing through the nozzles, a jetting action occurs which allows the removal of residue such as salt, sand, mud, rust and scale.

Features

- High velocity nozzles
- Variety of port angles and sizes



*Different configurations of nozzles can be ordered to best suit the job applications.

*Note: All values are rated for Standard material.

Tool OD (in)	1.500	1.688	1.70	2.000	2.875	3.125
Connections	1" AMMT	1" AMMT	1" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	68,000	68,000	68,000	127,000	238,000	375,000
Torsional Strength (ft/lbs.)	765	765	765	1770	4800	8000
ID (in)	0.750	0.750	0.750	1.000	1.375	1.000
Length (in)	VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS
Working Pressure (psi)	10,000	10,000	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Mechanical Drive Tool – 520 Series (Available for RENT only)

The Mechanical Drive Tool was designed to mechanically rotate while setting down weight.

The tool can be used for rotating and locating a fish within the well bore and/or to avoid liners, profile ledges and other obstructions with the well.

Features

- 360 degree rotation
- Robust design
- Heavy duty fishing applications
- High pulling capabilities



*Note: All values are rated for Standard material.

Tool OD (in)	1.688	2.125	2.875	3.125
Connections	1" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	36,500	44,100	120,000	250,000
Torsional Strength (ft/lbs.)	172	244	1540	1540
ID (in)	.375	.620	.812	.812
Length (in)	26.90	29.10	34.50	35.15
Working Pressure (psi)	5000	5000	9500	9500

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Multi-Lateral Re-entry System – 560 Series

The Multi-Lateral Re-entry System was designed to reduce cost and job time allowing access to multi-lateral legs for stimulation and cleanouts.

Featuring a unique orientation tool that works like a hydraulic knuckle joint that bends 15 degrees every second activation, reducing tool wear that would be caused if activation was not limited.

It will manually bend an additional 5 degrees and increase the pressure to provide positive feedback at surface that the tool has entered a lateral. To increase locating capabilities a hydraulic inducing tool has been incorporated into the system to rotate the tool head 90 degrees every activating, maximizing the change of entry on the fewest possible attempts.

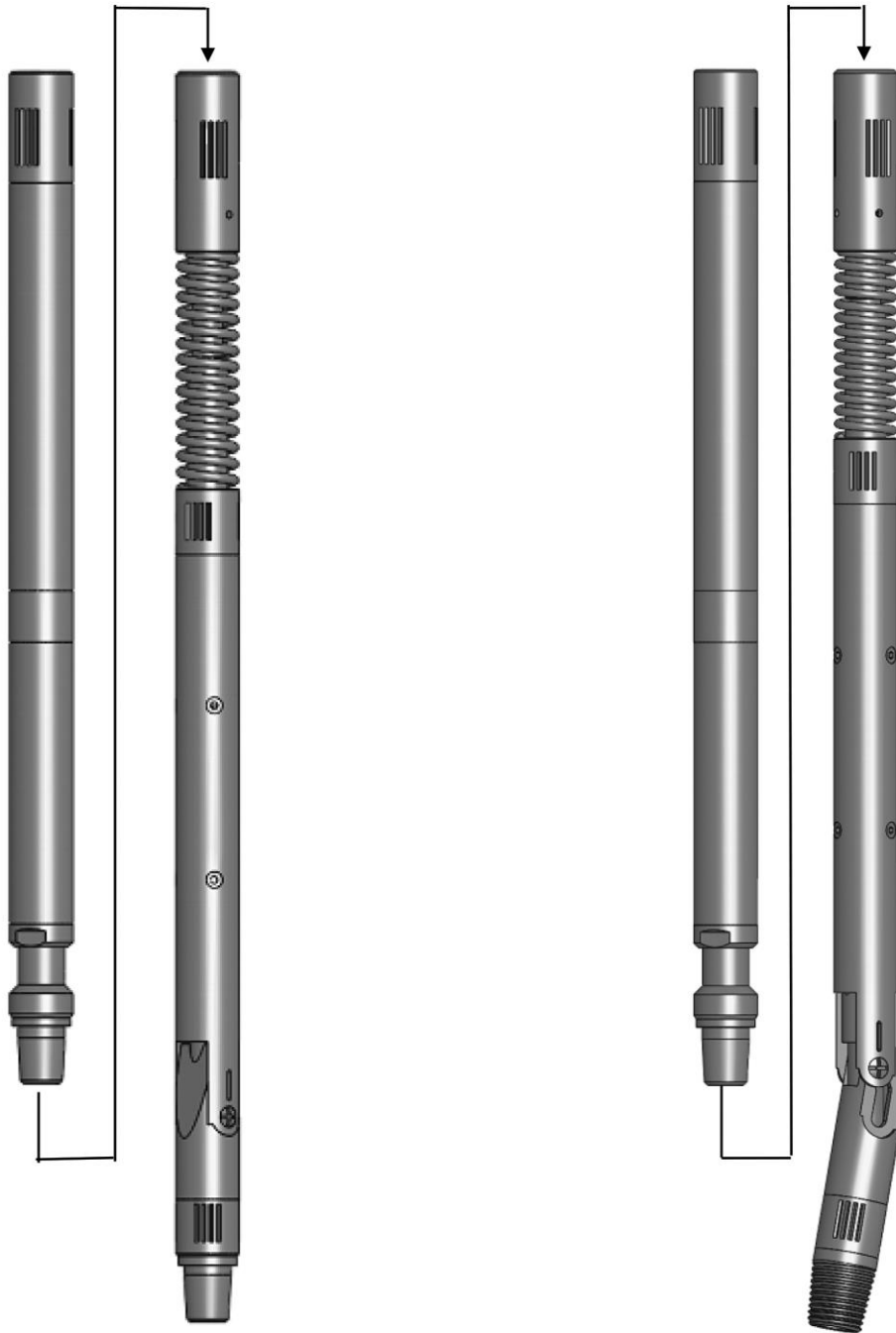
Features

- Reliable
- Easily attached to coil
- Flow Thru
- Feedback upon entry
- Reduced wear operation.

*Note: All values are rated for Standard material.

560 Includes : Index Head (540-100) and Kickoff Leg (550-100)

Service	Standard
ID	0.2500" (1/4" Thru)
OD	1.687" (1 11/16")
Connections	1" MT
Total Length	57"
Total Weight	28 lbs
Tensile Strength	N/A



ROTATES 90° PER ENHANCEMENT

10.5° OF KICK



COIL TUBING PRODUCTS

Roll-On x Roll On Connector – 600 Series

The 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 applications
- One piece design
- Slimline applications
- Non rotational available



*Note: All values are rated for Standard material.

Tool OD (in)	1 ¼	1 ½	1 ¾	2	2 ¾
Connections	¾ MT	1 MT	1 MT	1½ MT	1½ MT
Tensile Strength (lbs.)	23,000	54,000	86,000	110,000	180,000
ID (in)	.625	.750	.750	1.000	1.000
Length (in)	6.50	6.50	6.50	7.13	8.50
Working Pressure (psi)	6000	6000	6000	6000	6000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Roll-On Threaded Connector – 700 Series

The 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 redress
- High tensile applications
- One piece design
- Slimline applications
- Non rotational available



*Note: All values are rated for Standard material.

Tool OD (in)	1 ¼	1 ½	1 ¾	2	2 ¾
Connections	¾ MT	1 MT	1 MT	1½ MT	1½ MT
Tensile Strength (lbs.)	23,000	54,000	86,000	110,000	180,000
ID (in)	.625	.750	.750	1.000	1.000
Length (in)	4.00	5.25	5.00	4.50	6.00
Working Pressure (psi)	6000	6000	6000	6000	8000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Quick Connect – 820 Series

The Quick Connect was designed to allow the tool string to be assembled in two manageable sections.

The Quick Connect can be connected over the wellhead without turning the bottom hole assembly. It is useful when it is difficult to rotate tools to engage threads and it is best suited for long string applications. This tool also plays a fundamental role in any coil tubing deployment system.

Features

- High tensile and torque strength
- Easy & quick installation
- Minimal rotation needed to slide together
- Used for milling, drilling, fishing and all service applications
- Ideal for use in make up and running of velocity or gas lift strings



*Note: All values are rated for Standard material.

Tool OD (in)	1.688	2.125	2.875	3.125
Connections	1" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	36,000	40,000	90,000	135,000
Torsional Strength (ft/lbs.)	650	1100	3400	5400
ID (in)	.500	.812	1.125	1.016
Length (in)	15.875	18.000	18.000	18.000
Working Pressure (psi)	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Hammerhead – 840 Series

The Hammerhead 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. This removes 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
- Balanced piston design for perforating jobs
- Large bore
- Can be used for milling, drilling, fishing and heavy-duty service applications
- High tensile loads
- Short bottom hole assembly applications
- Can be used with industry extended reach tools



*Note: All values are rated for Standard material.

Tool OD (in)	1.5	1.688	2.125	2.875	3.125
Connections	1" AMMT	1" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	31,000	40,000	53,500	150,000	175,000
Torsional Strength (ft/lbs.)	700	850	2400	4000	4500
ID (in)	.500	.500	.700	.780	1.031
Length (in)	15.615	15.365	17.370	17.450	32.000
Working Pressure (psi)	7,000	10,000	10,000	10,000	12,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Motor Head Assembly – 850 Series

The Motor Head Assembly is a compact tool which incorporates the following Features: twin flapper check valve assembly, hydraulic disconnect, and a tri-circulating sub. Other Features incorporated are 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 loads
- Can be used for milling, drilling, fishing, perforating services and heavy duty service applications
- Balanced piston design for perforating jobs
- Can be used with industry extended reach tools



*Note: All values are rated for Standard material.

Tool OD (in)	1.5	1.688	2.125	2.375	2.875	3.5
Connections	1" AMMT	1" AMMT	1 1/2" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" PAC
Tensile Strength (lbs.)	31,000	40,000	53,500	53,500	150,000	175,000
Torsional Strength (ft/lbs.)	780	850	2400	2400	4000	4500
ID (in)	.406	.406	.593	.593	.625	.688
Length (in)	24.40	24.40	27.25	27.81	28.23	38.28
Working Pressure (psi)	7,000	10,000	10,000	10,000	10,000	12,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Big Bore Hydraulic Disconnect – 870 Series

The Big Bore Hydraulic Disconnect was designed to pass larger than standard size balls to activate various tools below where a standard disconnect will not. This Disconnect was designed to run in conjunction with the Coil Solutions Big Bore Tandem Flapper Check Valves.

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 pull without affecting the release mechanism. Circulating a drop ball to the Disconnect and applying pressure shears predetermined brass screws. This disconnects the upper section of the Disconnect from the lower portion leaving a standard fishing neck for retrieval of the stuck BHA.

Features

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



*Note: All values are rated for Standard material.

Tool OD (in)	2.875	3.125
Connections	2 3/8 PAC	2 3/8 PAC
Tensile Strength (lbs.)	150,000	175,000
Torsional Strength (ft/lbs.)	4,000	4,500
ID (in)	.920	1.050
Length (in)	17.48	26.93
Working Pressure (psi)	10,000	12,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Big Bore Tandem Flapper Check Valve – 870 Series

The Big Bore Tandem Flapper Check Valve is designed to provide a larger than standard thru bore to activate various tools below that standard size check valves cannot. The Big Bore Tandem Flapper Check Valve was designed to be used with the Coil Solutions Big Bore Hydraulic Disconnect.

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 seals
- H2S compatible
- Designed for ball drop applications
- Larger bore than most
- Low and high pressure applications



*Note: All values are rated for Standard material.

Tool OD (in)	3.125
Connections	2 3/8" PAC
Tensile Strength (lbs.)	180,000
Torsional Strength (ft/lbs.)	4,200
ID (in)	1.280
Length (in)	17.38
Working Pressure (psi)	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Hydraulic Disconnect – 870 Series

The 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



*Note: All values are rated for Standard material.

Tool OD (in)	1.5	1.688	2.125	2.875	3.125
Connections	1" AMMT	1" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	31,000	40,000	53,500	150,000	175,000
Torsional Strength (ft/lbs.)	700	850	2400	4000	4500
ID (in)	.500	.500	.700	.780	1.031
Length (in)	15.615	15.365	17.370	17.450	32.000
Working Pressure (psi)	7,000	10,000	10,000	10,000	12,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Circulation Disconnect – 877 Series

The Circulation Disconnect Assembly is a compact tool which incorporates a ball seat hydraulic disconnect and ball activated circulation sub. Other Features incorporated are a torque through facility and a standard GS fishing profile.

Features

- Robust design
- Standard GS profile
- Balanced piston design for perforating jobs
- High tensile and torque loads

Benefits

- Short bottom hole assembly applications
- Can be used for milling, drilling, fishing, perforating services and heavy duty service applications
- Can be used with industry extended reach tools



*Note: All values are rated for Standard material.

Tool OD (in)	1.5	1.688	2.125	2.375	2.875	3.5
Connections	1" AMMT	1" AMMT	1 1/2" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" PAC
Tensile Strength (lbs.)	31,000	40,000	53,500	53,500	150,000	175,000
Torsional Strength (ft/lbs.)	700	850	2400	2400	4000	4500
ID (in)	.406	.406	.593	.593	.625	.688
Length (in)	20.00	20.00	23.25	23.81	24.23	34.28
Working Pressure (psi)	7,000	10,000	10,000	10,000	10,000	12,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Crossovers – 900 Series

The GS Pulling Tool is designed to latch standard internal GS profiles such as locks, disconnects and various other completion tools.

The latching mechanism is a robust dog/core design which releases positively from the internal fish neck 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 through design
- N2/ fluid compatible
- Can be used with extended reach tools and jars
- Removal of debris in GS profile while engaging
- Designed with high tensile steel



*Note: All values are rated for Standard material.

Tool OD (in)	1.5 GS	2 GS	2.5 GS	3 GS
Connections	1" AMMT	1" AMMT	1 1/2" AMMT	2 3/8" PAC
Tensile Strength (lbs.)	25,000	36,000	69,000	120,000
Choke ID (in)	1/8	1/8	1/4	1/4
Length (in)	16	17.3	16	18
Working Pressure (psi)	7000	7000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

GS Pulling Tool – 890 Series

The Crossovers are used in the bottom hole assembly when mixing tools with different threads.

Connections Available:

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

OD: 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"



*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Straight Bar – 1000 Series

Coil USA has a variety of straight bars that will accommodate those service jobs that need a straight line service string.

Features

- Full tool ID
- H2S or Standard
- Accommodates ball drop tools that are below
- Designed to work in all well conditions



*Note: All values are rated for Standard material.

Tool OD (in)	1.500	1.688	2.125	2.375	2.875	3.125
Connections	1" AMMT	1" AMMT	1 1/2" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	68,000	68,000	127,000	127,000	238,000	375,000
Torsional Strength (ft/lbs.)	765	765	1770	1770	4800	8000
ID (in)	.750	.750	1.000	1.000	1.375	1.031
Length (in)	Various	Various	Various	Various	Various	Various
Working Pressure (psi)	10,000	10,000	10,000	10,000	10,000	12,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Coil Tubing Clamps – 1020 Series

The Coil Tubing Clamp is mounted to the end of your coil for transportation or storage.

Features

- Design friendly
- Regular & Hinged styles available
- Durability and Case Hardened

Benefits

- Easy to install on the coil
- For tight application situations
- Corrects coil ovality for connector installation



*Note: All values are rated for Standard material.

Coil	
Connections	N/A
Tensile Strength (lbs.)	5,000
Torsional Strength (ft/lbs.)	N/A
OD (in)	Various Coil OD
Length (in)	Various
Working Pressure (psi)	0

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Test Subs – 1050 Series

The Pull/Pressure Test Sub accommodates static high tensile service string pull testing and high pressure testing.

Features

- High tensile pull testing of connectors and tool strings
- High pressure testing of connectors and tool strings
- Static testing can be performed while pull testing without compromising the connector or the tool string
- 1/2" NPT port for high pressure relief
- Test connector and service string for downhole tensile capability
- Check for static leaks on tool before entering well
- Less downtime for tests setup
- Safe pressure relief of objects



*Note: All values are rated for Standard material.

Tool OD	Various Plate OD'S
Connections	1"MT Box to 3 1/2" REG
Tensile Strength (lbs.)	Various – depends on Thread
Torsional Strength (ft/lbs.)	Various – depends on Thread
ID (in)	Various – depends on Thread
Length (in)	Various – depends on Thread
Working Pressure (psi)	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Test Subs (Flow) – 1055 Series

The Versatile and Rugged Pull/Pressure Test Sub accommodates static high tensile service string pull testing and high pressure testing.

Features

- High tensile pull testing of connectors and tool strings
- High pressure testing of connectors and tool strings
- Flow testing can be performed while pull testing without compromising the connector or the tool string
- Test connector and service string for downhole tensile capability
- Check for static leaks on tool before entering well
- Less downtime for test setup



*Note: All values are rated for Standard material.

Tool OD	Various Plate OD'S				
	2 3/8" PAC	2 3/8" REG	2 3/8" EUE	2" NPT	Various Combinations
Connections	200,000	300,000	140,000	120,000	Thread Consideration
Tensile Strength (lbs.)	N/A	N/A	N/A	N/A	N/A
Torsional Strength (ft/lbs.)	1.375	1.000	1.900	1.900	Thread Consideration
ID (in)	6.50	6.50	6.50	6.50	Thread Consideration
Length (in)	10,000	10,000	10,000	10,000	Thread Consideration
Working Pressure (psi)					

*Other sizes and thread variations upon request.



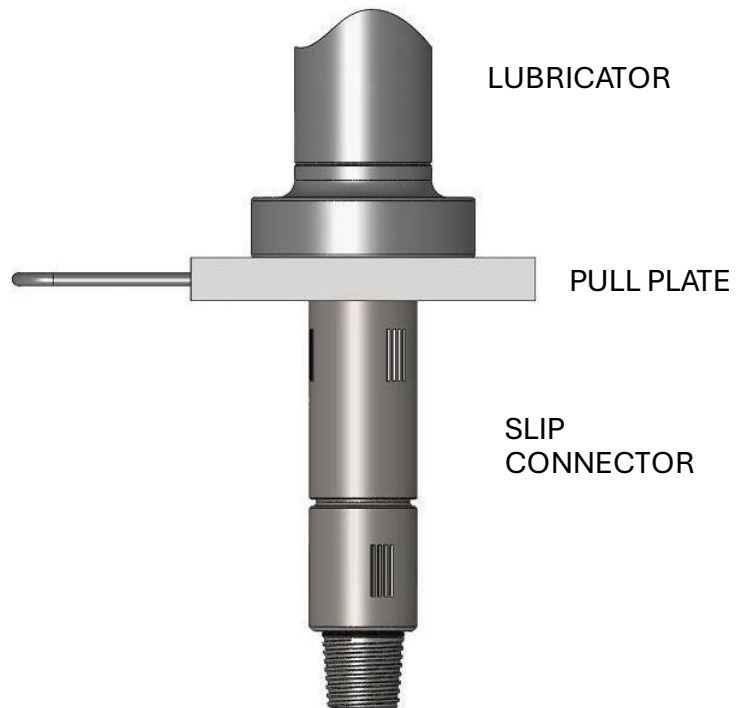
COIL TUBING PRODUCTS

Pull Test Plates – 1075 Series

The Pull Test Plate accommodates high tensile connector and bottom hole assembly pull tests.

Features

- Top cap profile
- Robust
- Lubricator friendly
- Eliminates cap profile crushing
- Pull to desired weight
- One pull plate can be used on multiple sized lubricators
- Can be adapted to all external connectors



*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Bow Spring Centralizer – 1200 Series

The Bow Spring Centralizer was designed to centralize the BHA inside tubing or casing after it has passed through a restricted ID. The centralizer springs are designed to be retracted at all times.

Features

- Full flow capabilities
- Various casing and tubing sizes
- Allows passage of activation devices (drop balls, darts, etc.)
- Tools for all well conditions
- Ease of passage through restrictions and prevents sticking
- Can be adapted to existing bottom hole assemblies



*Note: All values are rated for Standard material.

Tool OD (in)	1.750	2.125	2.875	3.125
Connections	1" AMMT	1 ½" AMMT	1 ½" AMMT	2 ¾" REG
Tensile Strength (lbs.)	59,000	105,000	150,000	150,000
Casing ID Size (in)	5.54	5.98	6.55	6.55
ID (in)	.688	1.00	1.375	1.00
Length (in)	27.13	27.78	30.89	31.80
Working Pressure (psi)	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Double Ball Drop Circ Sub – 1310 Series

The Double Ball Drop was designed with industry standards in mind.

This tool was built for high torque, short bottom hole assembly applications with easy and short redress time to accommodate today’s fast paced industry.

Features

- Above industry vibration and torque resistance
- Circulation sub
- Above industry standard tensile strength and ability

Benefits

- Used with agitation tools, jars, drilling, milling and perforating guns
- Fluid circulation out of the hole
- Industry fishing tool capability
- N2 and fluid compatible
- 1st ball opens up circulation sub, 2nd ball regains flow through bottom BHA



*Note: All values are rated for Standard material.

Tool OD (in)	2.875
Connections	2.375 Pac Box X Pin
Tensile Strength (lbs.)	100,000
Torsional Strength (ft/lbs.)	3,500
ID (in)	.625
Length (in)	21.61
Working Pressure (psi)	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Flow Diverter – 1375 Series

The Flow Diverter Sub was designed to work in high flow washing and lifting applications.

Features

- Flow bypass to allow for predetermined amount through BHA
- 7000 psi rating

Benefits

- Used with agitation tools, jars, drilling, milling, standard cleanout tools
- Fluid circulation out of hole
- Compatible with joint pipe applications
- N2 compatible



*Note: All values are rated for Standard material.

Tool OD (in)	1.5	1.688	2.125	2.875	3.125
Connections	1" AMMT	1" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	31,000	40,000	53,500	150,000	175,000
Torsional Strength (ft/lbs.)	700	850	2400	4000	4500
ID (in)	.500	.500	.700	.780	1.031
Length (in)	15.615	15.365	17.370	17.450	32.000
Working Pressure (psi)	7,000	10,000	10,000	10,000	12,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Knuckle Joint Assembly – 1400 Series

The 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 rotation
- Flow through capability
- Angular of 15 degrees



*Note: All values are rated for Standard material.

Tool OD (in)	1.688	1.750	2.125	2.875
Connections	1" AMMT	1" AMMT	1 1/2" AMMT	2 3/8" PAC
Tensile Strength (lbs.)	20,000	30,000	40,000	75,000
ID (in)	.625	.656	.875	.750
Length (in)	9.435	9.435	11.125	14.560
Working Pressure (psi)	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Torque Thru Knuckle Joint Assembly – 1450 Series

The Torque Thru Knuckle Joint was designed to provide additional flexibility to the tool string and allow tools to be run in restricted or highly deviated wells.

The torque through design allows for full angular movement, but at the same time not allowing any rotation.

Features

- Flow through capability
- High torque ratings
- Robust castellation design
- Angular of 15 degrees



*Note: All values are rated for Standard material.

Tool OD (in)	1.500	1.688	1.750	2.125	2.875
Connections	1" AMMT	1" AMMT	1" AMMT	1 ½" AMMT	2 ¾" PAC
Tensile Strength (lbs.)	18,000	20,000	30,000	40,000	75,000
Torsional Strength (ft/lbs.)	370	440	450	1050	3100
ID (in)	.438	.625	.656	.875	.750
Length (in)	8.750	9.435	9.435	11.125	14.560
Working Pressure (psi)	5,000	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Rotating Wash Tool – 1600 Series

The 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 applications
- High pressure compatible
- High temperature friendly
- Scale and wax removal
- Particle lifting
- Less down time in hot wells



*Note: All values are rated for Standard material.

Tool OD (in)	1.688	2.125	2.875
Connections	1" AMMT	1 1/2" AMMT	2 3/8" PAC
Max Working Pressure (psi)	3,000	3,000	3,000
Max US Gal Per Min	69.5 gal/min	198 gal/min	280 gal/min
Length (in)	9.50	12.24	14.00

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Helix Multi Stimulation Technology – 1620 Series (Available for RENT only)

The principal of the Helix tool is to manipulate fluids, gases or mixtures in order to produce dynamic turbulent flow while conducting cleanout operations to remove scale, paraffin, sands and other debris from the tubing, casing and near-wellbore damage which may have been caused naturally or mechanically during the life of a well.

The Helix technology is very effective in both Coil Tubing Operations and Rig Work-Over Operations (Pulling Rig). The technology is implemented to enhance the effect of water, nitrogen, acidizing, solvents, surfactants and other chemicals that are utilized during work-over operations.

Features

- No moving parts or elastomers
- Robust design
- Short bottom-hole assembly applications
- High tensile loads
- Can be used with industry extended reach tools
- High temperature friendly
- Compatible in most chemical and fluid environments



*Note: All values are rated for Standard material.

Tool Part Number	1620-100	1620-200	1620-300	1620-400	1620-500 High Flow	1620-550 Low Flow
Tool OD (in)	1.25	1.688	2	2.375	2.875	2.875
Connections	¾" AMMT	1" AMMT	1 ½" AMMT	1 ½" AMMT	2 ¾" PAC	2 ¾" PAC
Tensile Strength (lbs.)	18,000	58,000	69,000	117,000	139,000	139,000
Torsional Strength	N/A	N/A	N/A	N/A	N/A	N/A
ID (in)	N/A	N/A	N/A	N/A	N/A	N/A
Length (in)	9	13	14	21	21	21
Working Pressure (psi)	3000 psi/ 2.3 bbls/min	3000 psi/ 2.3 bbls/min	3000 psi/ 3 bbls/min	3000 psi/ 3 bbls/min	3000 psi/ 5.48 bbls/min	3000 psi/ 3.55 bbls/min

Pressures and Volumes can vary depending on the orientation of the ports and type of operation that is conducted. The turbulent velocity of the fluids and gases can be as high as 1:7 ratio for a distant no shorter than the diameter of the combined TFA of the ports and as high as 30x the distance of the ports.



COIL TUBING PRODUCTS

Bit Enhancement Sub – 1630 Series (Available for RENT only)

The Bit Enhancement Sub is designed to provide pulsating flow through the drill bit to assist in hydraulic erosion as well as turbulent flow for removal of debris.

The pulse action from the sub helps keep bit face clean and clear of debris as well as creates more agitation at the bit for improved ROP.

Features

- Enhance drilling operations
- Enhance fishing applications
- One piece sub
- No moving parts
- Robust design
- Comes in a variety of sizes and thread combinations
- Minimum down time for redress
- Cost effective



*Note: All values are rated for Standard material.

Tool OD (in)	2.875" (2 7/8")	3.125" (3 1/8")	5.000" (5")	6.750" (6 3/4")	8.000" (8")	9.625" (9 5/8")
Connections	2-3/8" PAC	2-3/8" PAC	3-1/2" Reg	4-1/2" Reg	6-5/8" Reg	7-5/8" Reg
Tensile Strength (lbs.)	244,720	244,720	679,870	1,186,440	1,770,500	2,495,000
Torsional Strength (ft/lbs.)	4,930	4,930	15,140	29,900	83,380	133,000
Operational Flow Rate (Gal US)	40-130	40-130	150-330	250-620	370-870	N/A
Single Length (in)	8-3/8"	9"	9-1/8"	9-1/4"	10"	N/A
Working Pressure (psi)	10,000	10,000	12,000	15,000	15,000	15,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Extended Reach Tool – 2200 Series (Available for RENT only)

The Extended Reach Tool was designed to increase the operational depth range of coiled tubing strings.

Features

- Consistent weight on bit
- High frequency vibrations
- Low operational rate and high flow rate
- CT vertical and horizontal extended reach services
- Bottom hole assembly friendly
- Nitrogen and multi fluid compatible
- High heat range
- Less bit wear
- Friction and drag are greatly reduced
- More power to the motor
- Drilling/Milling: minimizing stick slip reaction
- Gentle on downhole tools and joints while still
- reducing friction between the coiled tubing and well-bore
- No special mediums needed
- Change in well temperature has minimal effect on tool performance



*Note: All values are rated for Standard material.

Tool OD (in)	1-11/16	2-1/8	2-3/8	2-7/8	3-1/2
Connections	1" AMMT	1-1/2" AMMT	1-1/2" AMMT	2-3/8" PAC	2-3/8" IF
Tensile Strength (lbs.)	38,000	65,000	80,000	120,000	175,000
Torsional Strength (ft/lbs.)	1200	2400	3500	4500	5000
GPM	92	132	132	237	250
Length (in)	12.26	15.43	15.43	27.30	28.24
Working Pressure (psi)	10,000	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Drilling Magnet – 4000 Series

The Drilling Magnet has been designed to extract metal particles from the wellbore while drilling or milling.

The drilling magnet can be used to fish various metal objects from the hole: slips, chips, pins and various other metal fragments.



*Note: All values are rated for Standard material.

Tool OD (in)	2.875	3.50
Connections	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	150,000	175,000
Torsional Strength (ft/lbs.)	6000	8000
ID (in)	1.375	1.000
Length (in)	38	48
Max Working Pressure (psi)	12,000	12,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Hydraulic Release Overshot – 5010 Series

The Coil Solutions 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
- Can be used with Coil Solutions Mechanical Drive Tool and Jar



*Note: All values are rated for Standard material.

Tool OD (in)	1.850	2.250	3.250	3.500	3.625
Connections	1" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" PAC	2 3/8" PAC
Tensile Strength (lbs.)	37,000	52,000	131,000	114,000	118,000
Maximum Catch Size (in)	1.562	1.687	2.093	2.625	2.875
Minimum Catch Size (in)	.500	.562	.593	.500	1.000
Length (in)	23.16	23.38	27.19	27.30	27.21

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Hydraulic Set Abandonment Plug – 5250 Series

The Hydraulic set Abandonment plug was designed to be a cost effective alternative to conventional bridge plug/setting tool operations. Allowing for a quick and easy set that can be pressure tested and cemented over in one trip. Standard thread connections give great versatility allowing supplemental tools such as a casing scraper to be run during deployment. The built in setting piston engages the slips and sets the element shearing the tool further activates the element and slips making for a reliable seal.

Features

- Built in setting tool
- Easy Deployment
- Sets at lower pressure

Benefits

- Less trips faster Operations
- Cement through top sub after setting plug
- Potential to run scraper on setting trip



Tool OD (in)	4 – 1/2” (4.500”)
Connections	2-3/8 EUE Box (2.375”)
Weight (lbs):	38 lbs
Total Length (in.)	17 5/8” (17.625”)
Working Pressure (psi)	5000



COIL TUBING PRODUCTS

Drain Sub – 5300 Series

The Drain Sub was designed to catch coil tubing pigging wipers or darts when cleaning or gauging coil tubing.

Features

- High Pressure Flow thru Design
- Robust Cage
- Easy Installation



*Note: All values are rated for Standard material.

Coil Tubing (in)	2	2.375	2.675
Tool OD (in)	3.5	3.5	3.5
Connections	Slip Connector	Slip Connector	Slip Connector
Tensile Strength (lbs.)	60,000	60,000	60,000
Casing ID Size (in)	N/A	N/A	N/A
ID (in)	1.8	2	2.2
Length (in)	38	38	39
Working Pressure (psi)	5,000	5,000	5,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Fishing Magnet – 5630 Series

The Fishing Magnet has been designed to extract metal particles from the wellbore, with or without fluid pressure.

Features

- Rugged design
- High pressure
- Strong magnet strength



*Note: All values are rated for Standard material.

Tool OD (in)	2.4375	3.5	3.875	4.5	4.75
Connections	1 ½ AMMT	2 ¾" PAC	2 ¾" PAC	2 ¾" PAC	2 ¾" PAC
Tensile Strength (lbs.)	40,000	60,000	60,000	60,000	60,000
Magnet Force (lbs.)	220	630	630	675	675
ID (in)	N/A	N/A	N/A	N/A	N/A
Length (in)	7.50	8.00	9.50S	8.38	8.38
Working Pressure (psi)	10,000	10,000	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

External Spear with Drain Sub – 5640 Series

The External Spear with Drain Sub was designed to clear debris in the well bore around the separated wireline when stabbing to retrieve.

Features

- Flow thru
- Robust Design
- Center stab
- Can be adapted to existing bottom hole assemblies



*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Prong Wire Grab – 5650 Series

The Prong Wire Grab was designed to wash over parted wireline while locating and retrieving back to surface.

Features

- Flow Thru Design
- 2 Prong Internal Grab
- Robust Design
- Can be adapted to existing bottom hole assemblies



*Note: All values are rated for Standard material.

Tool OD (in)	3.500	3.625	3.750
Connections	2-3/8 PAC BOX	2-3/8 PAC BOX	2-3/8 PAC BOX
Tensile Strength (lbs.)	30,000	30,000	30,000
Casing ID Size (in)	4-1/2	5-1/2	5-1/2
ID (in)	2.9	3.125	3.250
Length (in)	46	40	42
Working Pressure (psi)	10,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Bi-Directional Jar – 5800 Series (Available for RENT only)

The Bi-Directional Jar is designed to give a positive upward and downward impact to the BHA below.

By pulling or pushing on the jar it is put into a metering detente, at which a time delay occurs. Once passed through the detente, the mandrel is then freed to stretch. It causes a hammer effect to the tool string below, thus freeing the immobilized tools.

Features

- Bi-Directional
- Can be serviced for only upward impacts or only downward impacts
- Shorter in length
- High torque
- Used for milling, drilling, fishing and other service jobs



*Note: All values are rated for Standard material.

Tool OD (in)	1.687	2.125	2.875	3.125
Connections	1" AMMT	1 1/2" AMMT	2 3/8" PAC	2 3/8" REG
Tensile Strength (lbs.)	39,000	46,000	180,000	180,000
Torsional Strength (ft/lbs.)	370	1,600	3,200	5,500
ID (in)	.563	.750	1.000	1.031
Length (in)	51.48	50.20	48.69	66.20
Working Pressure (psi)	7,000	7,000	10,000	10,000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Intensifier – 5830 Series

The Intensifier is designed as a bi-directional tool. The Intensifier is engineered to amplify the operation of the Coil Solutions Jar Assembly.

Features

- Torque thru
- Flow thru applications
- Multi Use

Benefits

- Use in milling, drilling, fishing and most service applications
- Ball drop service
- Vertical, Deviated and horizontal well friendly



*Note: All values are rated for Standard material.

Tool OD (in)	1.687" (1 11/16")	2.125" (2 1/8")	2.8750" (2-7/8")
Tool I.D	0.375	.750"	1.00"
Connections	1" MT	1-1/2 MT	2-3/8 PAC
Tensile Strength (lbs.)	44,000 lbs	70,000 lbs	120,000 lbs
Length (in) Open stroked	60.62"	63.57"	65.18"
Working Pressure (psi)	7,000	10,000	10,000
Weight (lbs):	27.6	42.8	79.8

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

CSI DHT Automatic Flow Diverter – 6200 Series (Available for RENT only)

The Automatic Flow Diverter is designed to increase efficiency during cleanout or milling/drilling applications. Flow can be selectively diverted from the straight-through path of the bottom hole assembly to the backport jet housing and back to the straight-through path again. The changing between modes is possible an unlimited number of times by utilizing a single (conventional) direction of flow. This allows maximum flow to increase the lift and remove any debris from the well in less time. The tool also allows the path of fluid to be switched from forward to rear facing, thus helping to ensure that any debris is in the returns and not pushed below the tool.

Features

- Various casing and tubing sizes
- Unlimited function of tool
- Tools for all well conditions
- Ease of passage through restrictions and prevents sticking
- Can be adapted to existing bottom hole assemblies
- Controlled flow thru the motor while back jetting



*Note: All values are rated for Standard material.

Tool OD (in)	2 -1/8"	2-7/8"
Connections	1-1/2" AMMT	2-3/8" PAC
Tensile Strength (lbs.)	72,000	130,000
Casing ID Size (in)	5.92	7.02
ID (in)	.375	.500
Length (in)	41.38	42.81
Working Pressure (psi)	5000	5000

*Other sizes and thread variations upon request.



COIL TUBING PRODUCTS

Aluminum Stabbing Dart/Pump Out Plug – ALUM Series

The Aluminum Stabbing Dart/Pump-Out Plug is easy to install into coil tubing for ease of stabbing coil tubing into the Injector and ease of entry into the Stuffing Box.

Features

- Robust aluminum build
- Reusable
- Can be run with plug catcher for coil tubing hang offs

Benefits

- Easy installation into coil
- Low cost
- Positive seal in coil to control downhole pressure



*Note: All values are rated for Aluminum material.

Coil	Various Coil ID
Connections	N/A
Tensile Strength (lbs.)	N/A
Torsional Strength (lbs)	N/A
ID (in)	N/A
Length (in)	Various
Working Pressure (psi)	0



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