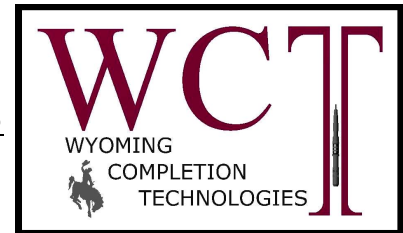


WYOMING COMPLETION TECHNOLOGIES
THE BEST DOWN HOLE TOOLS IN THE WORLD



WYOMING COMPLETION TECHNOLOGIES, INC.

1110 Road 9 * PO Box 46

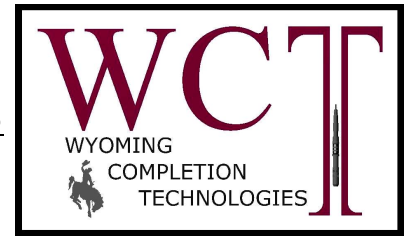
Powell, Wyoming 82435

Phone: (307) 754-5429 * Fax: (307) 754-5927

Email: sales@wyomingcompletions.com

Website: www.wyomingcompletions.com

WYOMING COMPLETION TECHNOLOGIES
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Wyoming Completion Technologies

1110 ROAD 9, P.O. Box 46
Powell, WY 82435
PH (307) 754-5429 FAX (307) 754-5927

February 26, 2019

Wyoming Completion Technologies is a small oil tool manufacturing and design firm located in Powell, Wyoming. We began operation in 1998 and have grown at a very rapid rate ever since. Our company slogan is "We manufacture the best down hole oil tools in the world". We fully believe this and stand behind our tools. We currently deliver tools around the world and are in the process of a company expansion to increase our manufacturing capacity. We have our own design team with licensed professional engineers and are able to customize tools based on individual customer needs. We look forward to working with you to supply your oil tool needs.

Sincerely,

Scott J. Hecht, P.E.
President
Wyoming Completion Technologies
PH: (307) 754-5429
FAX: (307) 754-5927

Credit Application



DATE: _____

PLEASE FILL OUT THE APPLICATION, RELEASING ALL INFORMATION TO US. WE RESERVE THE RIGHT TO REFUSE CREDIT BASED ON THE INFORMATION GIVEN US.

NAME/BUSINESS: _____

ADDRESS: _____

TELEPHONE:

BUSINESS:() _____ MOBILE:() _____ HOME:() _____

NATURE OF BUSINESS: _____

BANK NAME: _____ PHONE : () _____

ADDRESS: _____

SALES TAX EXEMPTION #: _____ STATE: _____

REFERENCES: (MINIMUM OF THREE) MUST LIST PHONE NUMBERS: (MUST BE BUSINESS FIRMS THAT HAVE EXTENDED CREDIT TO YOU IN THE PAST. UTILITY COMPANIES [GAS, LIGHTS] AND PERSONAL NOT ACCEPTABLE.)

NAME: _____ PHONE: () _____

REMARKS: _____ FAX: () _____

NAME: _____ PHONE: () _____

REMARKS: _____ FAX: () _____

NAME: _____ PHONE: () _____

REMARKS: _____ FAX: () _____

NAME: _____ PHONE: () _____

REMARKS: _____ FAX: () _____

I AGREE TO THE CREDIT TERMS OUTLINED IN MY CONTRACT WITH **WYOMING COMPLETION TECHNOLOGIES, INC.** AND UNDERSTAND THAT PAYMENTS ARE TO BE MADE IN THE STATED TIME FRAME. ANY PAYMENTS 10 DAYS OVER DUE CONTRACT SHALL BE CONSIDERED IN DEFAULT.

CREDIT LIMIT DESIRED: _____

SIGNATURE OF APPLICANT: _____

SIGNATURE OF COMPANY AGENT: _____

RECOMMENDATIONS: _____

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WYOMING COMPLETION TECHNOLOGIES, INC.

GENERAL TERMS AND CONDITIONS

Acceptance of Terms and Conditions by Buyer

Buyer's acceptance of the product by purchase order, acknowledgment or otherwise shall be deemed to be acceptance of all terms and conditions herein contained and no other terms and conditions, regardless of any variation or addition to any of these terms and conditions as may be specified by Buyer in its order or acknowledgment, unless WCT agrees to such other terms and conditions in writing and signed by an authorized representative of WCT. The failure of WCT to object to any provisions contained in the order or acknowledgment submitted by Buyer or any other communication from Buyer (including, without limitation, penalty clauses of any kind) shall not be construed as waiver of these terms and conditions nor an acceptance of any such provisions. In the event of any inconsistency between the terms and conditions herein and the provisions on the face hereof or on any supplement attached hereto by WCT, the provisions contained on the face or on any such supplement shall control.

Price/Quotations

All requests for quotations should be directed to Wyoming Completion Technologies, Inc., hereafter known as WCT
P. O. Box 46

Powell, WY 82435

Phone (307) 754-5429 Fax (307) 754-5927

Prices, rates and terms are subject to change without notice, except for quotations which are good for the specified period.

Delivery

Delivery dates on all orders are given as accurately as practical and effort will be made to make shipment as noted, but WCT does not guarantee the delivery date and assumes no liability for damages arising out of failure to do so, irrespective of the delay or cause.

Packing

All shipments are packed as to avoid breakage, rust or deterioration in transit, but no guarantee is offered against such damage.

Loss

WCT shall not be responsible for loss or damage to goods in transit or for delays of carriers in the delivery of goods. WCT's responsibility ceases when the carrier receives the shipment. In case of shortage or apparent damage, details of the same should be noted by the carrier's agent on the freight or express bill before customer accepts delivery. In case of concealed damage carrier should immediately be called in to inspect the package and damaged goods. In all cases it is the responsibility of the customer to file claims and deal with the carrier. WCT shall not be responsible for loss or damage to goods in transit.

Return Policy

1. Upon making written request and receiving approval, new unused products of WCT's which are considered stock items of current manufacture by WCT may be returned for credit, provided the request is received within 180 days after the purchase date.
2. Requests for the return of merchandise should show original purchase order number, invoice number, description of goods, and purchase date. All requests should be mailed to WCT at the above address.
3. The credit allowed on returned goods is a merchandise credit and is applicable only against future purchase of WCT products.
4. Credit will be allowed only under the above conditions and based on the original purchase price. Restocking charges will apply in all cases of material return and are computed as follows: (A) A 10% charge will apply to material returned within 60 days of purchase date. (B) An additional 10% charge per 30 day period or partial part thereof will apply to material returned beyond 60 days from purchase date and within 180 days from purchase date. WCT may at our option offer or decline merchandise credit for material return requests beyond 180 days from purchase date.
5. In addition to the above restocking charges, all costs, if any, for reconditioning the products returned will apply as a reduction of merchandise credit.
6. After the return is authorized by WCT, the purchaser will ship prepaid to the point designated by WCT.

Order Cancellation

All orders, written or verbal, are considered firm and may not be canceled except under the terms applicable to our material return policy.

Design Changes

WCT expressly reserves the right to change or modify the design and construction of any product in due course of our manufacturing procedure without incurring any obligation or liability to furnish or install such changes, modifications or improvements on products previously or subsequently sold. WCT reserves the right to substitute materials without notice.

Taxes

Any taxes or charges which the Seller may be required to pay or collect under any existing or future law upon or applicable to the sale, purchase, manufacture, processing, transportation, delivery, storage, use or consumption of any of the materials covered hereby shall be charged to the account of the Buyer.

Terms

Unless otherwise specified, published and quoted prices are due and payable thirty (30) days NET CASH. Credit terms beyond thirty (30) days net will be furnished on request. Interest at the current maximum allowable rate will be charged after due date. All settlements are subject to approval of Credit Department. All bills payable in U. S. funds in Powell, Park County, Wyoming.

Credit

Shipments will be made on open account to those concerns who have established credit standing with WCT or who are satisfactorily rated in commercial reference books. In order to expedite shipment, others should furnish reference, or remit with order, or request C.O.D. shipment. In all cases WCT is not required to accept sales on open account and may choose to request C.O.D. payment. WCT also requires a substantial deposit for special or non-stock purchases.

Warranty

WCT warrants that products, or parts thereof, sold, rented, or leased to a customer, when properly installed, used and maintained, shall be free from original defects in material and workmanship. WCT makes no other warranty, expressed or implied. WCT does not warrant that products, or parts thereof, are suitable for any particular use or will accomplish any particular results. Liability under this warranty is limited to the replacement of or credit for the defective merchandise which is returned within one year after the shipment date from WCT.

Limitation of Liability

1. The total liability of WCT on any claim, whether in contract, tort or otherwise, arising out of, connected with, or resulting from the manufacture, sale, delivery, resale, repair, replacement or use of any product or the furnishing of any service shall not exceed the price allocated to the product or service or part thereof which gives rise to the claim.
2. In no event shall WCT be liable, either directly or indirectly, for any special, incidental or consequential damages including, but not limited to, damages for loss of revenue, cost of capital, claims of customers for service interruptions or failure of supply and costs and expenses incurred in connection with labor, overhead, transportation or substitute facilities or supply sources.
3. Buyer shall release, indemnify, defend and hold WCT harmless against any and all liability for loss of the hole, blowout/crater (including costs to control same), reservoir damage and pollution, regardless of the sole or concurrent negligence of WCT.

Cumulative Remedies

All rights and remedies of WCT specifically set forth herein shall be cumulative and in addition to any other or further rights and remedies provided in law or equity. Failure of WCT to insist upon strict performance of any term condition herein shall not be deemed to be a waiver of WCT's rights and remedies. No waiver by WCT of any default by Buyer of any term or condition herein shall be effective unless in writing and signed by an authorized representative of WCT, nor shall any such waiver constitute a waiver of any other default of the same default on a future occasion.

Assignment

Neither party may assign this Agreement except upon written consent of the other party(s), whose consent shall not unreasonably be withheld. If assigned with the proper consent this Agreement shall inure to the benefit of and be binding upon the successors of assigns of the parties.

Waiver

The waiver by either party of the breach of any provision hereof by the other party shall not be deemed to be a waiver of the breach of any other provision of provisions hereof or of any subsequent or continuing breach of such provision or provisions.

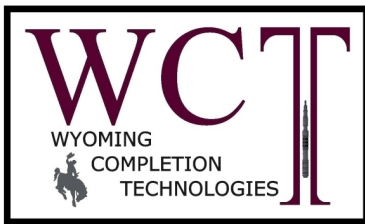
Governing Law

The parties agree that this Agreement shall be construed, interpreted and governed in accordance with the laws of the State of Wyoming.

Entire Agreement

This written Agreement constitutes the entire agreement between the parties. No promises, agreements or warranties additional to this Agreement shall be deemed a part thereof, nor shall any alteration or amendment of this written Agreement be effective without the express written agreement of all parties. In the event this Agreement is translated into a language other than English, the English version of the Agreement will govern its construction. -END-

DOWNHOLE PRODUCT CATALOG 2022



BEST DOWNHOLE TOOLS IN
THE WORLD



TEST VALVES



RETRIEVABLE BRIDGE PLUGS

- Wireline Adapter Kits (WAK)
- Pulling Tools
- 15K Retrievable Bridge Plug



CAST IRON BRIDGE PLUGS

- Type B (Non-Convertible)
- Frac Plugs
- Type A (Convertible)
- Extended Range
- Hydro-Mechanical Bridge Plug & Setting Tool



CEMENT RETAINERS

- 10K
- 5K
- Flapper Valve Style



WIRELINE SETTING EQUIPMENT

- Retainer Wireline Adapter Kits (RWA)
- Bridge Plug (CPAK)
- Retainer Wireline Adapter-G0 (RWA-G)
- Bridge Plug Wireline Adapter-GO (CPGWA)
- Composite Wireline Adapter (CWA)
- Wireline Setting Tool
- Shorty Wireline Setting Tool (GO)



MECHANICAL SETTING EQUIPMENT

- Drag Block Style
- Bow Spring Style
- Stinger Assemblies



HYDRAULIC SETTING EQUIPMENT

- Hydraulic
- Single Trip
- Hydro-Mechanical (See Under Cast Iron Bridge Plug)



COMPOSITE TOOLS

- Composite Bridge Plug (CCBP)
- Composite Frac Plug (CCFP)
- Composite Cement Retainer (CCR)
- Semi-Composite Cement Retainer (SCCR)
- Semi-Composite Bridge Plug (SCCP)



FLOAT EQUIPMENT & CENTRALIZERS

- Float Shoes
- Stab-In Float Shoes
- Reamer Shoes
- Flexible Centralizer
- Rigid Centralizer
- Solid Centralizer
- Float Collar
- Integral Stop Collar
- Latch-On Stop Collar



MISCELLANEOUS

- Shear Studs
- Dissolvables
 - Bridge Plugs
 - Frac Plugs
- Drop-Off Bit Sub
- Tubing Centralizer
- Sandline Drill
- Pressure Activated Frac Sleeve
- Anchor Catchers
 - Drag Block Style
 - Bow Spring Style
- Packers
 - Limit 75
 - Retrievable
 - Straddle
 - ~ Pulling Tool
 - ~ Wireline Adapter Kit
- Indexing Tool
- Indexing Retrieving Tool
- Ceramic Disk Subs
- Pump Down Sub
- Profile Nipples
- Seating Nipples

Wyoming Completion Technologies, Inc.
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Email: sales@wyomingcompletions.com
Website: www.wyomingcompletions.com

TEST VALVE



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Test Valve is a high pressure, ball type, fluid control valve suitable for pressure testing tubing, acidizing, and formation treatments.

FEATURES/BENEFITS

- Valve can be opened or closed with tubing in tension, compression or neutral
- Holds pressure from above or below
- 1/2 turn to open or close
- Can be set for right or left hand opening
- Compatible with high pressure
- Opening or closing can be repeated as often as desired

APPLICATIONS

- Pressure testing tubing string
- Washing & acidizing perforations
- Formation surging
- Formation fracturing
- Formation isolation & testing

TECHNICAL DATA

<i>Product Number</i>	<i>O.D.</i>	<i>I.D.</i>	<i>Standard Box x Pin</i>
19TVAA	3.250	1.375	1.900 EU 10 RND
23TVAA-1.75	3.771	1.750	2-3/8 EU 8 RND
23TVAA-2.0	4.500	2.000	2-3/8 EU 8 RND
27TVAA-2.5	5.500	2.500	2-7/8 EU 8 RND
35TVAA	6.75	3.05	3-1/2 EU 8 RND

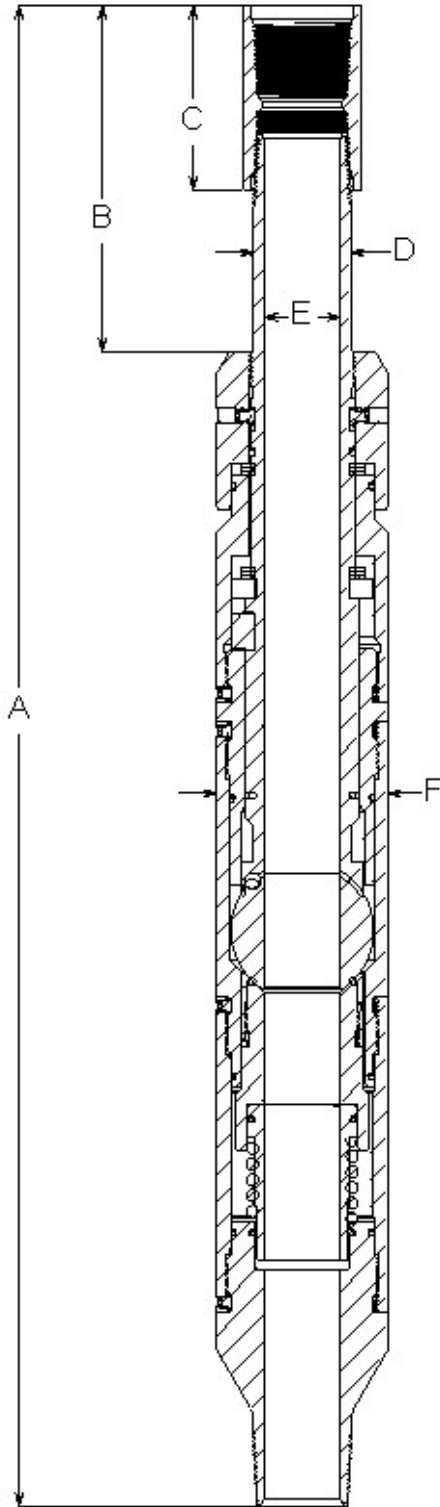
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TEST VALVE



TEST VALVE LENGTHS & DIAMETERS



<i>TOOL</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>
19TVAA - 1.90	37.50	9.00	4.50	1.88	1.38	3.24
23TVAA - 1.75	37.50	9.75	5.25	2.31	1.75	3.77
23TVAA - 2.00	40.25	9.50	5.00	2.56	2.00	4.48
27TVAA - 2.50	42.00	9.50	5.25	3.06	2.5	5.48
35TVAA - 3.75	43.42	9.33	5.80	3.75	3.05	6.75

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DRAG BODY ASSEMBLY

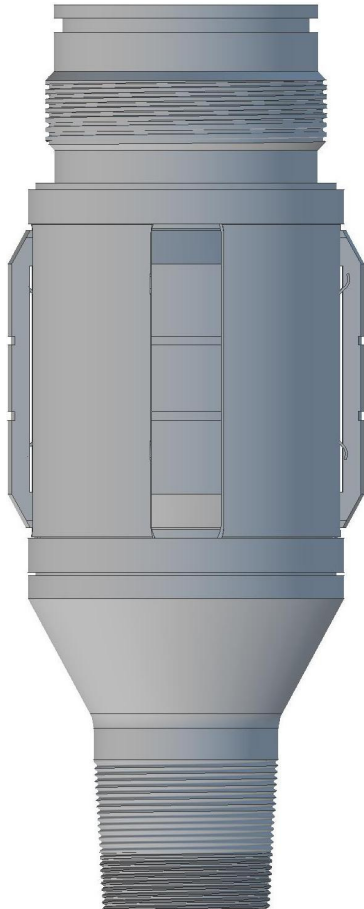


DESCRIPTION

The Wyoming Completion Technologies "DBA" is a test valve accessory that allows a trip to test tubing eliminating any chance of a "wet trip" if the tubing is not leaking. The drag body assembly can be set for most standard casing sizes.

FEATURES/BENEFITS

The drag body assembly provides tool to casing contact, allowing the test valve to be run and manipulated without a host packer.



TECHNICAL DATA

<i>Product #</i>	<i>Drag Body Assembly</i>	<i>O.D./I. D.</i>	<i>Drag Pad</i>	<i>Drag Block Spring</i>	<i>Standard Box x Pin</i>
19TVAA	19TVDBA	3.24/ 1.38			1.900 EU 10 RND
23TVAA-1.75	23TVDBA-1.75	3.765/ 1.760	DP450	43MST21	2-3/8 EU 8 RND
23TVAA-2.0	23TVDBA-2.0-23	4.490/ 2.010	DP560	43MST21	2-3/8 EU 8 RND
23TVAA-2.0	23TVDBA-2.0-27	4.490/ 2.010	DP560	43MST21	2-7/8 EU 8 RND
27TVAA-2.5	27TVDBA-2.5	5.48/ 2.515	DP800	47MST21	2-7/8 EU 8 RND

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1110 Road 9 PO Box 46

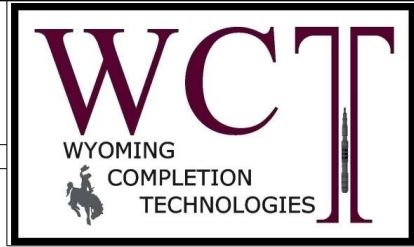
Powell, Wyoming 82435

Phone: (307) 754-5429 Fax: (307) 754-5927

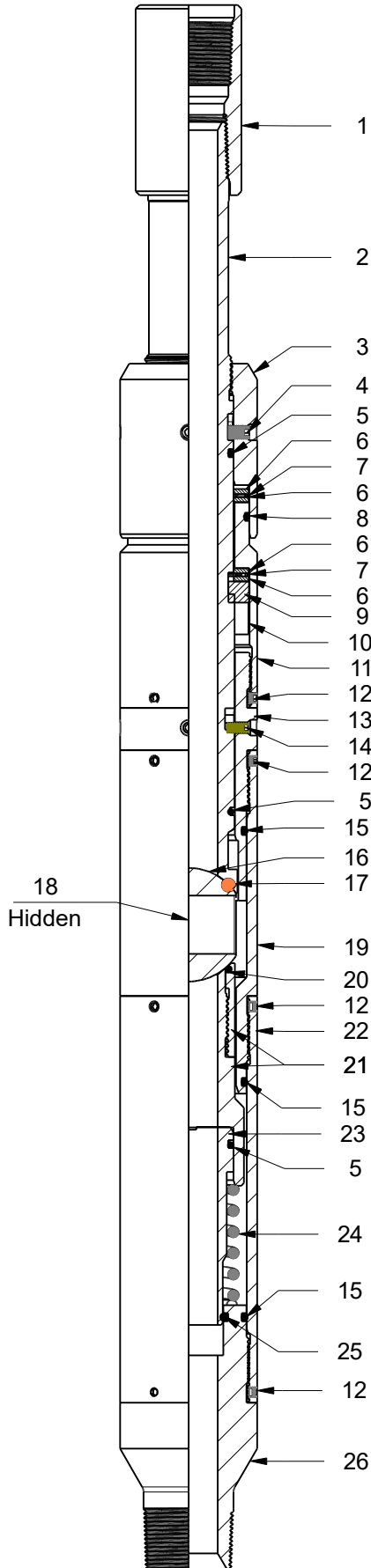
Email: sales@wyomingcompletions.com

Website: www.wyomingcompletions.com

1.9" TEST VALVE



Part #
19TVAA



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	COUPLING	1	19E19NC
2	MANDREL	1	19TV01
3	BEARING RETAINER	1	19TV02
4	STEEL SHEAR SCREW	4	5/16-18 x 1/2
5	O-RING	3	225-90D Nitrile
6	RACE	4	TRD 3446
7	BEARING	2	NTA3446
8	O-RING	1	231-90D Nitrile
9	BEARING SEGMENTS (SET OF 2)	1	19TV04
10	MANDREL STOP	1	19TV05
11	BEARING STOP	1	19TV03
12	STEEL SET SCREW	12	1/4-20 X 3/16
13	TORQUE TUBE	1	19TV06
14	BRASS SET SCREW	4	5/16-18 x 1/2 B
15	O-RING	3	230-90D Nitrile
16	BALL	1	19TV09
17	CARBIDE BALL	1	19TV15
18	CONTROL ARMS	1	19TV08
19	BALL HOUSING	1	19TV07
20	O-RING	1	224-90D Nitrile
21	VALVE SEAT ASSEMBLY	1	19TV11
22	PISTON HOUSING	1	19TV10
23	PISTON	1	19TV12
24	COMPRESSION SPRING	1	19TV13
25	O-RING	1	223-90D Nitrile
26	BOTTOM SUB	1	19TV14

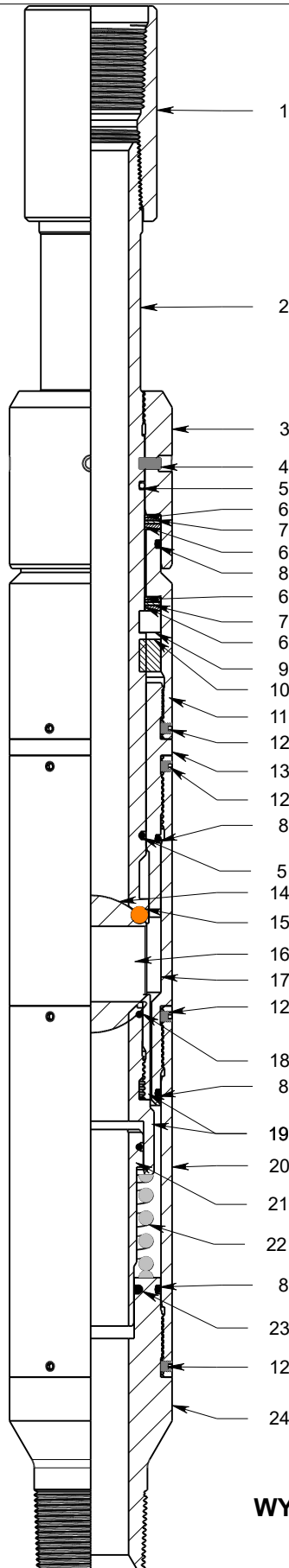
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2-3/8" x 1.75" TUBING TEST VALVE



Part #
23TVAA - 1.75



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	COUPLING	1	23E23NC-1.75
2	MANDREL	1	23TV01-1.75
3	BEARING RETAINER	1	23TV02-1.75
4	STEEL SHEAR SCREW	4	5/16-18 x 1/2
5	O-RING	2	228-90D Nitrile
6	RACE	4	TRD 4052
7	BEARING	2	NTA4052
8	O - RING	4	234-90D Nitrile
9	BEARING SEGMENT (SET OF 2)	1	23TV04-1.75
10	MANDREL STOP	1	23TV05-1.75
11	BEARING STOP	1	23TV03-1.75
12	STEEL SET SCREW	12	1/4 - 20 x 1/4
13	TORQUE TUBE	1	23TV06-1.75
14	BALL	1	23TV09-1.75
15	CARBIDE BALL	1	23TV15-1.75
16	CONTROL ARMS	1	23TV08-1.75
17	BALL HOUSING	1	23TV07-1.75
18	O-RING	2	227-90D Nitrile
19	VALVE SEAT ASSEMBLY	1	23TV11-1.75
20	PISTON HOUSING	1	23TV10-1.75
21	PISTON	1	23TV12-1.75
22	COMPRESSION SPRING	1	23TV13-1.75
23	O-RING	1	226-90D Nitrile
24	BOTTOM SUB	1	23TV14-1.75

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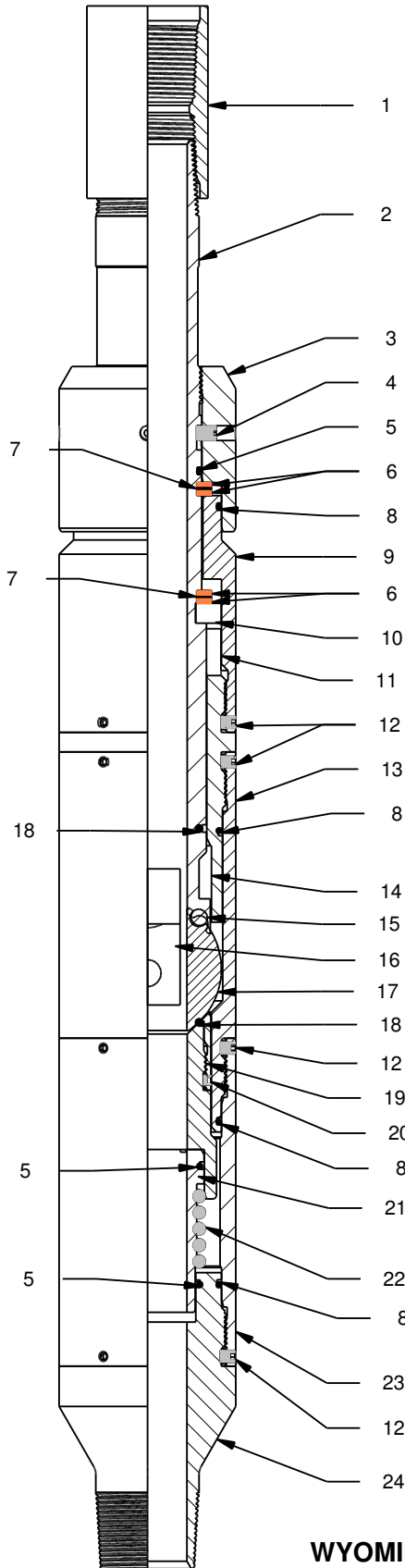
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2-3/8" x 2.0" Tubing Test Valve



Part #
23TVAA-2.0

23TVAA-2.0 PARTS & ASSEMBLY



Item #	Description	QTY	Part Name
1	Coupling	1	23E23
2	Mandrel	1	23TV01-2.0
3	Bearing Retainer	1	23TV02-2.0
4	Socket Set Screw	4	5/16-18 x 1/2
5	O - Ring	3	230-90D Nitrile
6	Race	4	TRD 4458
7	Bearing	2	NTA 4458
8	O-Ring	4	238-90D
9	Bearing Stop	1	23TV03-2.0
10	Bearing Segments	1	23TV04-2.0
11	Mandrel Stop	1	23TV05-2.0
12	Socket Set Screw	12	5/16-18 x 5/16
13	Ball Housing	1	23TV07-2.0
14	Torque Tube	1	23TV06-2.0
15	Carbide Ball	1	23TV15-2.0
16	Control Arms	1	23TV08-2.0
17	Ball	1	23TV09-2.0
18	O - Ring	2	231-90D Nitrile
19	Valve Seat Assembly	1	23TV11-2.0
20	Set Screw	3	1/4-20 X 3/16
21	Piston	1	23TV12-2.0
22	Compression Spring	1	23TV13-2.0
23	Piston Housing	1	23TV10-2.0
24	Bottom Sub	1	23TV14-2.0

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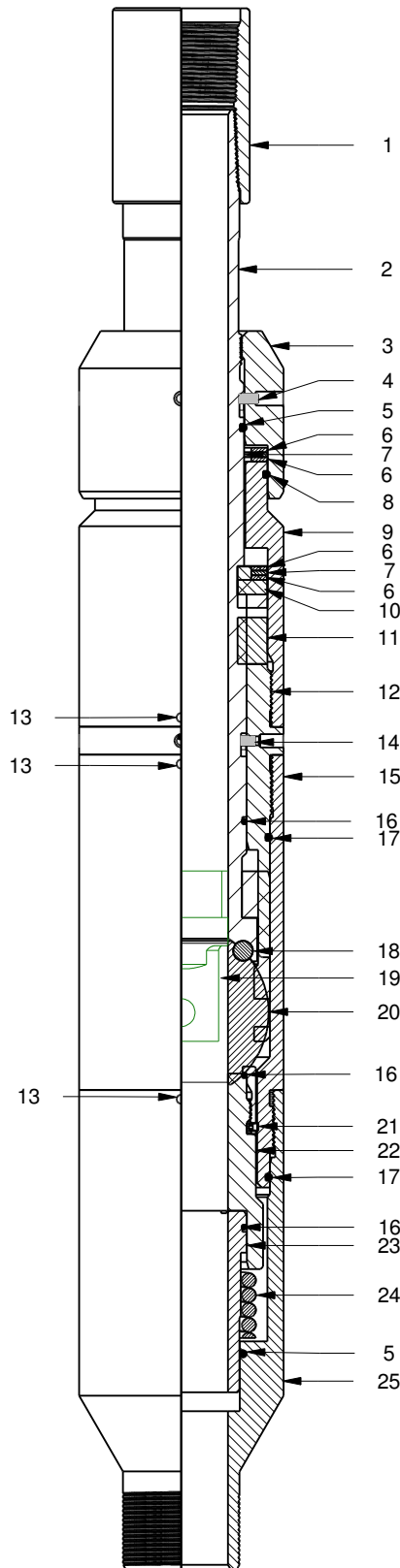
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2-7/8" x 2.50" Tubing Test Valve



Part #
27TVAA-2.5

27TVAA-2.5 PARTS & ASSEMBLY



Item #	Description	Qty	Part Name
1	2-7/8" Coupler	1	27EC
2	Mandrel	1	27TV01-2.5
3	Bearing Retainer	1	27TV02-2.5
4	Steel Set Screw	4	5/16-18 x 1/2
5	O-Ring	2	235-90D Nitrile
6	Race	4	TRD 6074
7	Bearing	2	NTA 6074
8	O-Ring	1	245-90D Nitrile
9	Bearing Stop	1	27TV03-2.5
10	Bearing Segment	2	27TV04-2.5
11	Mandrel Stop	1	27TV05-2.5
12	Torque Tube	1	27TV06-2.5
13	Steel Set Screw	9	5/16-18 x 3/8
14	Brass Shear Screw	4	5/16-18 x 3/8 B
15	Ball Housing	1	27TV07-2.5
16	O-Ring	3	236-90D Nitrile
17	O-Ring	2	246-90D Nitrile
18	Carbide Ball	1	27TV15-2.5
19	Control Arms	1	27TV08-2.5
20	Ball	1	27TV09-2.5
21	Set Screw	3	1/4 - 20 x 1/4
22	Seat Assembly	1	27TV11-2.5
23	Piston	1	27TV12-2.5
24	Spring	1	27TV13-2.5
25	Bottom Sub	1	27TV14-2.5

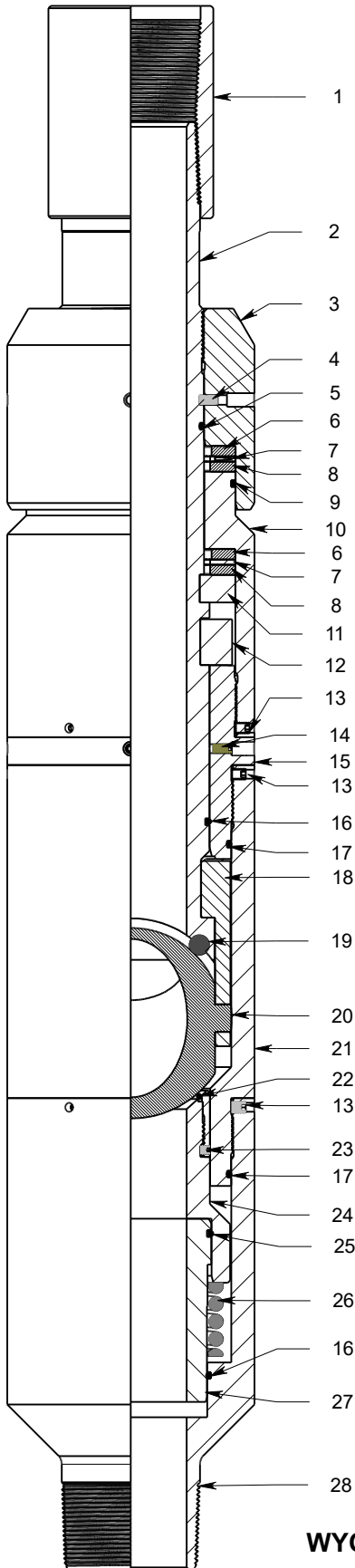
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3-1/2" TEST VALVE



Part #
35TVA



PARTS & ASSEMBLY

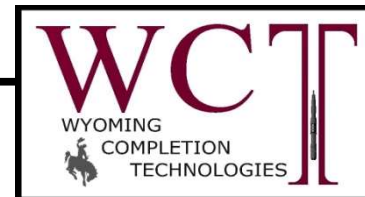
Item #	Description	QTY	Part Name
1	COUPLER	1	35EC
2	MANDREL	1	35TV01
3	BEARING RETAINER	1	35TV02
4	STEEL SHEAR SCREW	4	5/16-18 x 1/2
5	O-RING	1	240-90D Nitrile
6	BEARING HOUSING WASHER	2	35TV18
7	THRUST ROLLER BEARING	2	35TV19
8	BEARING SHAFT WASHER	2	35TV20
9	O-RING	1	254-90D Nitrile
10	BEARING STOP	1	35TV03
11	BEARING SEGMENT	1	35TV04
12	MANDREL STOP	1	35TV05
13	SET SCREW	10	5/16-18 x 3/8
14	BRASS SET SCREW	4	5/16-18 x 1/2 B
15	TORQUE TUBE	1	35TV06
16	O-RING	2	243-90D Nitrile
17	O-RING	2	252-90D Nitrile
18	CONTROL ARM	2	35TV08
19	CARBIDE BALL	1	27TV15-2.5
20	BALL	1	35TV09
21	BALL HOUSING	1	35TV07
22	O-RING	1	239-90D Nitrile
23	STEEL SET SCREW	3	1/4 - 20 x 1/4
24	SEAT	1	35TV11
25	O-RING	1	244-90D Nitrile
26	SPRING	1	35TV13
27	PISTON	1	35TV12
28	BOTTOM SUB	1	35TV14

WYOMING COMPLETION TECHNOLOGIES, INC.

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REV 0 - 05/20/2022

RETRIEVABLE BRIDGE PLUG -10K



PAGE 1/2

DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES “WP” is a wireline set, packer type, retrievable bridge plug capable of holding differential pressure from above and below.

FEATURES/BENEFITS

- Caged bi-directional slips
- Balanced equalizing system
- Wireline, hydraulic or coiled tube set
- By-pass valve opens before plug is released
- Straight pull release mechanism
- Rotational safety release mechanism
- Over shot will wash gage ring
- Optional coiled tubing retrieve
- Swab resistant packing element system
- Parts are interchangeable with other manufactures

APPLICATIONS

Temporary bridge plug for acidizing, fracturing, cementing, casing pressure tests, well head replacement and zone isolation.

TECHNICAL DATA

CASING				BRIDGE PLUG	
OD In/mm	WEIGHT Lb/ft	MIN I.D. In/mm	MAX I.D. In/mm	PRODUCT #	MAX O.D. In/mm
3-1/2 88.90	7.7 - 9.2	2.990	3.068	35WPA	2.700
		75.95	77.93		68.58
4-1/2 114.30	15.1	3.763	3.826	35WPB	3.640
	9.5 - 13.5	95.58	97.18	43WPA2	92.46
3.920		4.090	3.750		
5 127.00	15 - 18	99.57	103.89	43WPB	95.25
		4.276	4.408		4.125
5-1/2 139.70	11.5 - 15	108.61	111.96	43WPC	104.78
		4.408	4.560		4.250
5-1/2 139.70	26	111.96	115.82	45WPA2	107.95
		4.670	4.778		4.500
5-1/2 139.70	20 - 23	118.62	121.36	45WPA4	114.30
		4.778	4.950		4.641
5-1/2 139.70	15.5 - 20	121.36	125.73	45WPB	117.88
		4.950	5.190		4.781
6 152.40	26	125.73	131.83	45WPC	121.44
		5.240	5.352		5.062
6 152.40	20 - 23	133.10	135.94	45WPD	128.58
		5.424	5.524		5.157
6-5/8 168.28	34	137.77	140.31	45WPE	130.96
		5.561	5.609		5.406
6-5/8 168.28	28 - 32	141.25	142.47	45WPF	137.31
		5.675	5.791		5.484
6-5/8 168.28	17 - 24	144.15	147.09	45WPG	139.29
		5.921	6.135		5.781
7 177.80	24	150.39	155.83	47WPA2	146.84
		5.830	5.920		5.656
6-5/8 168.28	38 - 40	148.30	150.37	47WPA4	143.06
		5.938	6.135		5.807
7 177.80	32 - 35	150.83	155.83	47WPA6	147.50
		6.094	6.184		5.928
7 177.80	29 - 32	154.79	157.07	47WPB2	150.57
		6.184	6.276		5.968
7 177.80	26 - 29	157.07	159.41	47WPB4	151.59
		6.276	6.366		6.078
7 177.80	23 - 26	159.41	161.70	47WPC2	154.38
		6.456	6.538		6.281
7-5/8 193.68	17 - 20	163.98	166.07	47WPC4	159.54
		6.625	6.765		6.453
7-5/8 193.68	33.7 - 39	168.28	171.83	47WPD2	163.91
		6.875	7.025		6.672
7-5/8 193.68	24 - 29.7	174.63	178.44	47WPD4	169.47
		7.025	7.125		6.812
7-5/8 193.68	20 - 24	178.44	180.98		173.02
		7.125	7.125		



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RETRIEVABLE BRIDGE PLUG -10K

CONTINUED PAGE 2/2

8-5/8" – 13-3/8"



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES “WP” is a wireline set, packer type, retrievable bridge plug capable of holding differential pressure from above and below.

FEATURES/BENEFITS

- Caged bi-directional slips
- Balanced equalizing system
- Wireline, hydraulic or coiled tube set
- By-pass valve opens before plug is released
- Straight pull release mechanism
- Rotational safety release mechanism
- Over shot will wash gage ring
- Optional coiled tubing retrieve
- Swab resistant packing element system
- Parts are interchangeable with other manufactures

APPLICATIONS

Temporary bridge plug for acidizing, fracturing, cementing, casing pressure tests, wellhead replacement and zone isolation.



11-3/4" Wireline Plug

TECHNICAL DATA

CASING				BRIDGE PLUG	
OD In/mm	WEIGHT Lb/ft	MIN I.D. In/mm	MAX I.D. In/mm	PRODUCT #	MAX O.D. In/mm
8-5/8 219.08	32 - 40	7.688 195.88	7.921 201.19	49WPA4	7.536 191.41
	24-32	7.921 201.19	8.097 205.66	49WPB	7.731 196.37
9-5/8 244.50	47 - 53.5	8.343 211.91	8.681 220.50	51WPA2	8.223 208.86
	40 - 47	8.681 220.50	8.835 224.41	51WPA4	8.442 214.43
	29.3 - 36	8.836 224.43	9.063 230.20	51WPB	8.598 218.39
10-3/4 273.05	65.7 - 73.2	9.406 238.91	9.660 245.36	53WP	9.161 232.69
11-3/4 298.45	54 - 65	10.682 271.32	10.880 276.35	54WP	10.505 266.827
13-3/8 339.73	85 - 98	11.937 303.20	12.159 308.84	55WPA2	11.692 296.98
	72 - 86	12.125 307.98	12.347 313.61	55WPA4	11.970 304.04
	48 - 61	12.515 317.88	12.715 322.96	55WPB	12.270 311.66

RETRIEVABLE BRIDGE PLUG - 10K



OPTIONAL PARTS:

- **WP15 - Cone Retainer with Inner Thread**



DESCRIPTION

Allows additional tools, such as centralizers, stingers and other attachments, to be hung off the bottom of the Retrieval Bridge Plug.

FEATURES/BENEFITS

- Allows the option of having more tools in the hole when needed.

PRODUCT #	PART #	INNER THREAD
43WP	43WP15-2.375	2-3/8 8 RND EU
45WP	45WP15-2.375	2-3/8 8 RND EU
47WP	47WP15-2.875	2-7/8 8 RND EU

WYOMING COMPLETION TECHNOLOGIES, INC.

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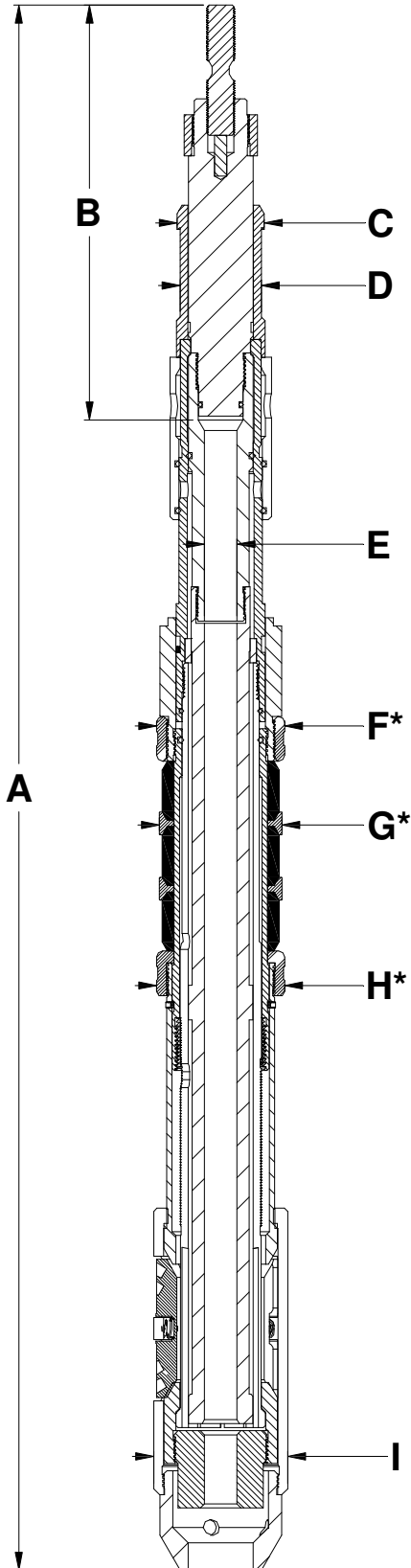
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RETRIEVABLE BRIDGE PLUG



TECHNICAL DATA

PART #	A Length	B Length	C OD	D OD	E ID	I OD
35WPAA	46.10	11.811	1.685	1.500	N/A	2.748
43WPAA	48.10	12.625	2.682	2.500	1.00	3.740
44WPAA	48.10	12.625	2.682	2.500	1.00	4.120
45WPAA	46.19	12.625	2.875	2.500	1.00	4.490
47WPA - A/B	47.24	12.625	2.875	2.500	1.00	5.495
47WPA - C	47.24	12.625	2.875	2.500	1.00	6.238
48WPAA	46.48	12.763	2.875	2.500	1.00	6.238
49WPAA	45.31	12.625	2.875	2.500	1.00	7.250
51WPAA	57.30	12.625	2.875	2.500	1.00	8.125

***SEE NEXT PAGE FOR GAGE RING, GUIDE RING AND ELEMENT SPACER CHARTS (PARTS F, G, AND H)**

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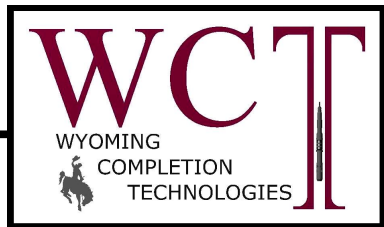
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RETRIEVABLE BRIDGE PLUG



GAGE RING / GUIDE RING / ELEMENT SPACER CHART

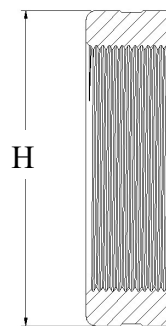
Assembly Part #	Part #			CSG.	CSG. WEIGHT	F / G / H Max OD
	GAGE	GUIDE	SPACER			
35WPAA	N/A	35WP19	35WP24	3-1/2"	7.7 - 9.2	2.867
43WPAA	N/A	35WP19-B	35WP24-B	4-1/2"	15.1 - 16.5	3.638
	43WP17-A2	43WP19-A2	43WP24-A	4-1/2"	9.5 - 13.5	3.771
	43WP17-A4	43WP19-A4	43WP24-A	4-1/2"	9.5	3.932
44WPAA	43WP17-B	43WP19-B	43WP24-B	5"	15 - 18	4.125
	43WP17-C	43WP19-C	43WP24-C	5"	11.5 - 15	4.250
45WPAA				5-1/2"	26	4.250
	45WP17-A2	45WP19-A2	45WP24-A2	5-1/2"	20 - 23	4.500
	45WP17-A4	45WP19-A4	45WP24-A4	5-1/2"	15.5 - 20	4.641
	45WP17-B	45WP19-B	45WP24-B	5-1/2"	13 - 15.5	4.781
				6"	26	
	45WP17-C	45WP19-C	45WP24-C	6"	20 - 23	5.057
45WP17-D	45WP19-D	45WP24-D	6"	15 - 18	5.157	
46WPAA	45WP17-E	45WP19-E	45WP24-E	6-5/8"	34	5.401
	45WP17-F	45WP19-F	45WP24-F	6-5/8"	24 - 32	5.484
	45WP17-G	45WP19-G	45WP24-G	6-5/8"	17 - 24	5.776
47WPAA	47WP17-A2	47WP19-A2	47WP24-A2	7"	38	5.656
	47WP17-A4	47WP19-A4	47WP24-A4	7"	32 - 35	5.812
	47WP17-A6	47WP19-A6	47WP24-A6	7"	29-32	5.923
	47WP17-B2	47WP19-B2	47WP24-B2	7"	26 - 29	5.968
	47WP17-B4	47WP19-B4	47WP24-B4	7"	23 - 26	6.078
	47WP17-C2	47WP19-C2	47WP24-C2	7"	17 - 20	6.266
	47WP17-C4	47WP19-C4	47WP24-C4	7-5/8"	33.7 - 39	6.453
	47WP17-D2	47WP19-D2	47WP24-D2	7-5/8"	24 - 29.7	6.672
49WPAA	49WP17-A4	49WP19-A4	49WP24-A	8-5/8"	32 - 40	7.530
	49WP17-B	49WP19-B	49WP24-B	8-5/8"	24 - 32	7.726
51WPAA	51WP17-A2	51WP19-A2	51WP24-A	9-5/8"	47 - 53.5	8.218
	51WP17-A4	51WP19-A4	51WP24-A	9-5/8"	40 - 47	8.437
	51WP17-B	51WP19-B	51WP24-B	9-5/8"	29.3 - 36	8.593
53WPAA	53WP17-A2	53WP19-A2	53WP24-A2	10-3/4"	65.7 - 73.2	9.161
54WPAA	54WP17-A2	54WP19-A2	54WP24-A2	11-3/4"	54 - 65	10.505
55WPAA	55WP17-A2	55WP19-A2	55WP24-A2	13-3/8"	85 - 98	11.692
	55WP17-A4	55WP19-A4	55WP24-A4	13-3/8"	72 - 86	11.970
	55WP17-B	55WP19-B	55WP24-B	13-3/8"	48 - 61	12.700



GUIDE RING



ELEMENT SPACER



GAGE RING

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RETRIEVABLE FRAC (FLOW-THRU) PLUG “WFP”



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES “WFP” is a wireline set, packer type, retrievable frac plug capable of holding pressure from above and allowing flow through the plug from below. This robust, dependable tool is ideally suited for isolating multiple zones for fracturing or other treatments.

FEATURES/BENEFITS

- Caged bi-directional slips
- Wireline, hydraulic or coiled tube set
- By-pass valve opens before plug is released
- Straight pull release mechanism
- Parts are interchangeable with other manufacturers
- Over shot will wash gage ring
- Optional coiled tubing retrieve
- Swab resistant packing element system
- Rotational safety release mechanism

APPLICATIONS

Temporary frac plug for acidizing, fracturing, pressure tests, and zone isolation.

TECHNICAL DATA



CASING				BRIDGE PLUG	
OD In/mm	WEIGHT Lb/ft	MIN I.D. In/mm	MAX I.D. In/mm	PRODUCT #	MAX O.D. In/mm
3-1/2 88.90	10.2	2.922 74.22	2.992 76.00	35WFPA	2.781 70.64
4-1/2 114.3	9.5 - 13.5	3.910 99.31	4.090 103.89	43WFPA	3.771 95.78
5 127.00	15 - 18	4.250 107.95	4.408 111.96	43WFPA	4.125 104.78
	11.5 - 15 26	4.408 111.96	4.560 115.82	43WFPA	4.250 107.95
5-1/2 139.70	20 - 23	4.625 117.48	4.778 121.36	45WFPA2	4.500 114.30
	15.5 - 20	4.778 121.36	4.950 125.73	45WFPA4	4.641 117.88
	13 - 15.5 26	4.950 125.73	5.190 131.83	45WFPA	4.781 121.44
6 152.40	20-23	5.191 131.85	5.390 136.91	45WFPA	5.062 128.58
	15-18	5.391 136.96	5.560 141.22	45WFPA	5.156 130.96
	34	5.561 141.25	5.609 142.47	45WFPA	5.406 137.31
6-5/8 168.28	28-32	5.610 142.50	5.921 150.40	45WFPA	5.484 139.29
	17 - 24	5.922 150.42	6.135 155.83	45WFPA	5.781 146.84
	24	5.830 148.30	5.937 150.80	47WFPA2	5.656 143.06
7 177.80	38	5.938 150.83	6.135 155.83	47WFPA4	5.812 147.62
7 177.80	32 - 35	6.094 154.79	6.184 157.07	47WFPA6	5.923 150.44
	29 - 32	6.136 155.86	6.276 159.41	47WFPA2	5.968 151.59
	26 - 29	6.276 159.41	6.366 161.70	47WFPA4	6.078 154.38
	23 - 26	6.456 163.98	6.578 167.08	47WFPA2	6.266 159.16
	17 - 20	6.579 167.11	6.797 172.64	47WFPA4	6.453 163.91
7-5/8 193.68	33.7 - 39	6.798 172.67	7.025 178.44	47WFPA2	6.672 169.47
	24 - 29.7	7.025 178.44	7.125 180.98	47WFPA4	6.812 173.02
	20 - 24	7.688 195.88	7.921 201.19	49WFPA4	7.531 191.29
8-5/8 219.08	32 - 40	7.921 201.19	7.973 202.51	49WFPA	7.726 196.24
	24-32	8.343 211.91	8.681 220.50	51WFPA2	8.218 208.74
9-5/8 244.50	47 - 53.5	8.681 220.50	8.835 224.41	51WFPA4	8.437 214.30
	40 - 47	8.836 224.43	9.063 230.20	51WFPA	8.593 218.26
	29.3 - 36				

WYOMING COMPLETION TECHNOLOGIES, INC.

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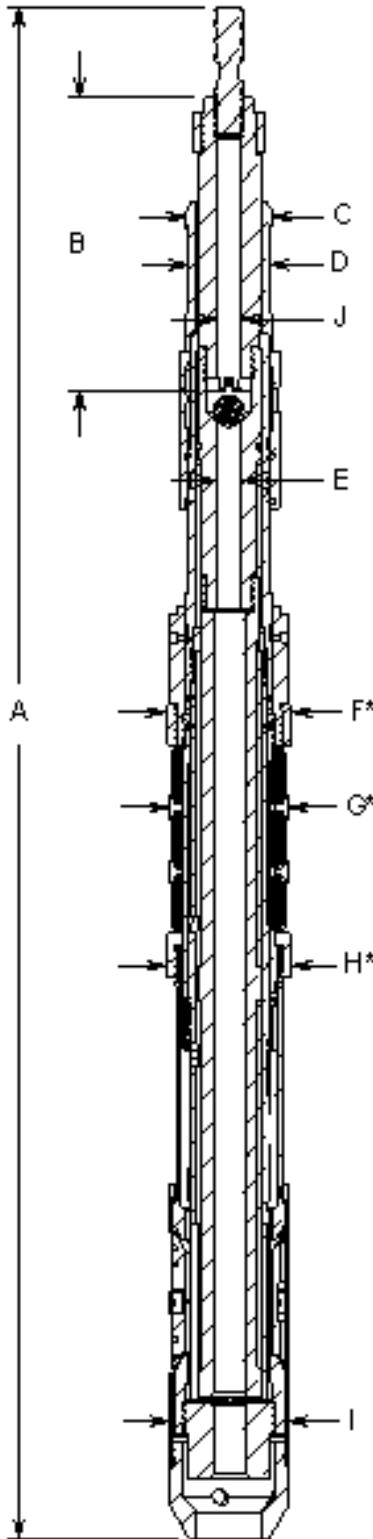
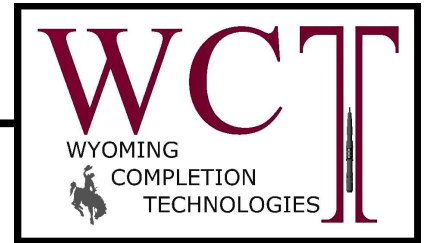
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RETRIEVABLE FRAC PLUG



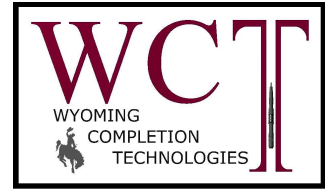
TECHNICAL DATA

PART #	A Length	B Length	C OD	D OD	E ID	I OD	J OD
35WFP	46.10	9.996	1.685	1.500	N/A	2.748	N/A
43WFP	48.10	9.19	2.725	2.500	.75	3.740	.68
44WFP	48.10	9.19	2.725	2.500	.75	4.120	.68
45WFP	46.19	9.19	2.875	2.500	.75	4.490	.68
47WFP	47.24	9.19	2.875	2.500	.75	5.495	.68
48WFP	46.48	9.328	2.875	2.500	.75	6.238	.68
49WFP	45.31	9.19	2.875	2.500	.75	7.250	.68
51WFP	57.30	9.19	2.875	2.500	.75	8.125	.68

***SEE WP PAGE FOR GAGE RING, GUIDE RING
AND ELEMENT SPACER CHARTS
(PARTS F, G, AND H)**

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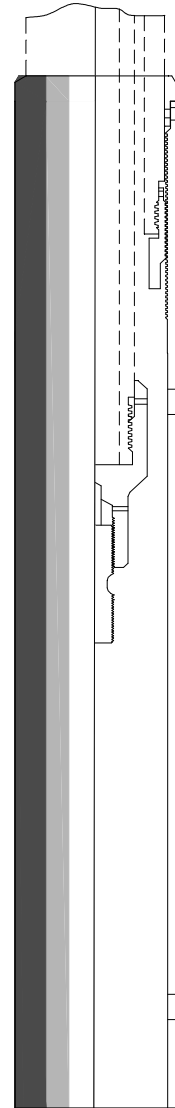
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WIRELINE ADAPTER KIT

The WYOMING COMPLETION TECHNOLOGIES Wireline Adapter Kit is used to couple an electric line or hydraulic setting tool assembly to the Wireline Set Retrievable Bridge Plug, “WP”, using Baker Setting Equipment.

BRIDGE PLUG TOOL SIZE IN/MM	ADAPTER KIT TOOL SIZE	SETTING TOOL SIZE
3-1/2 88.90	35WAK	#5 BAKER E-4
4-1/2 114.30	43WAK	#10 BAKER E-4
5-1/2 139.70	45WAK	#20 BAKER E-4
7 177.80		
7-5/8 193.68		
8-5/8 219.08	49WAK	
9-5/8 244.5		



Wireline Adapter Kit

WYOMING COMPLETION TECHNOLOGIES, INC.

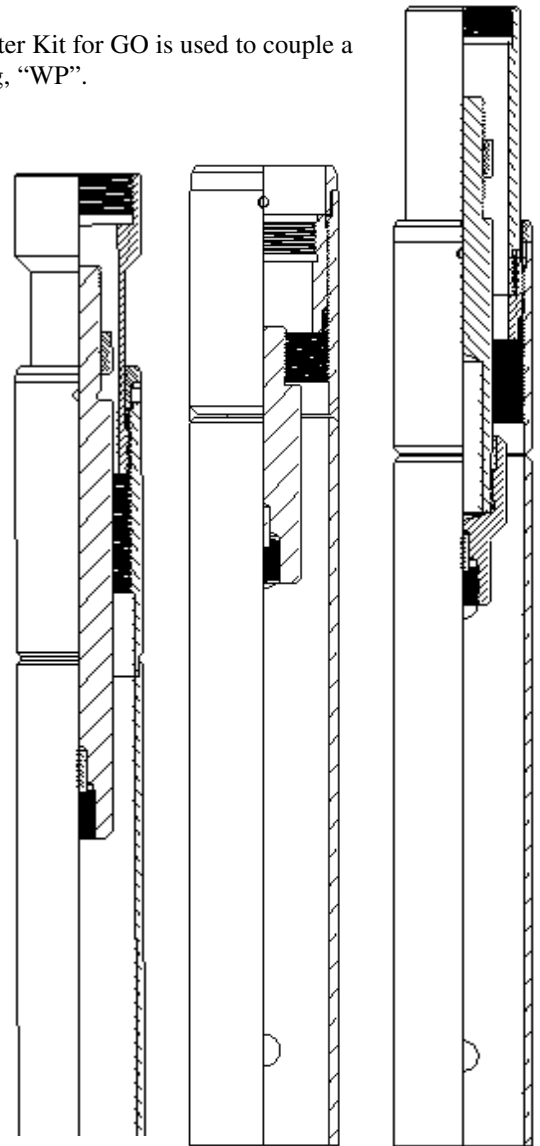
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WIRESLINE ADAPTER KIT for GO Setting WP's

The WYOMING COMPLETION TECHNOLOGIES Wireline Adapter Kit for GO is used to couple a GO setting tool assembly to the Wireline Set Retrievable Bridge Plug, "WP".

BRIDGE PLUG TOOL SIZE IN/MM	ADAPTER KIT TOOL SIZE	SETTING TOOL SIZE
4-1/2 114.30	43WAK-G	3-1/2" GO
5-1/2 139.70	45WAK-G or 45WAK-G2	
7 177.80		
7-5/8 193.68		
8-5/8 219.07	49WAK-G	

*NOTE: 3-1/2" GO SHORTY WILL RUN 43-49WAK-G



43WAK-G

45WAK-G2

45WAK-G

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“WP” PULLING TOOLS

“WP” COLLET TYPE PULLING TOOL (PTC)

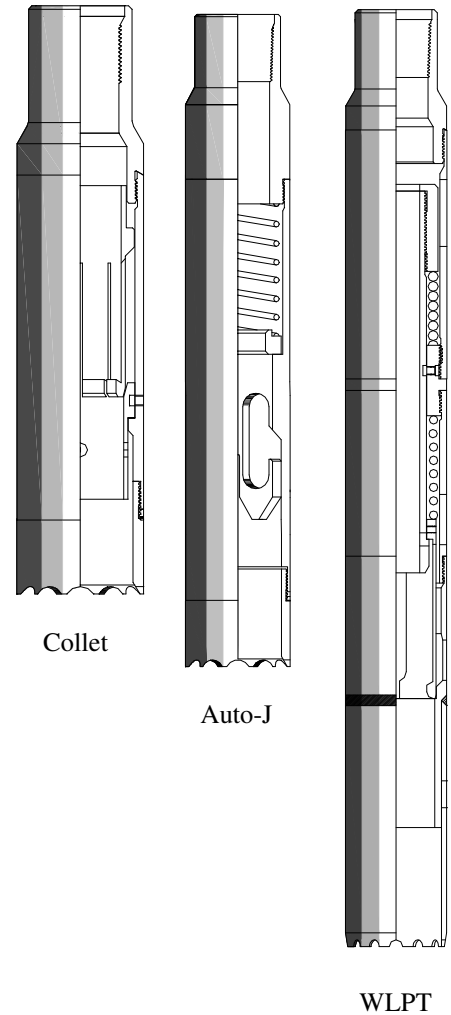
The WYOMING COMPLETION TECHNOLOGIES “WP” Collet Type Pulling Tool is an automatic on mechanism used to release and retrieve the “WP” Bridge Plug on tubing or coiled tubing. The collet enables simple operation by setting down on the bridge plug to engage and setting down followed by pulling up to release.

“WP” AUTO-J PULLING TOOL (PTJ)

The WYOMING COMPLETION TECHNOLOGIES “WP” Auto-J Pulling Tool is an automatic on mechanism used to release and retrieve the “WP” Bridge Plug on tubing or coiled tubing. The J slot allows the operator to engage or release the tool with a ¼ turn of the tubing string.

“WP” WIRELINE PULLING TOOL (WLPT)

The WYOMING COMPLETION TECHNOLOGIES “WP” Wireline Pulling Tool is an automatic on mechanism used to release and retrieve the “WP” Bridge Plug on sandline. The collet, or “latch”, provides a simple means of engaging and releasing the retrievable bridge plug on wireline.

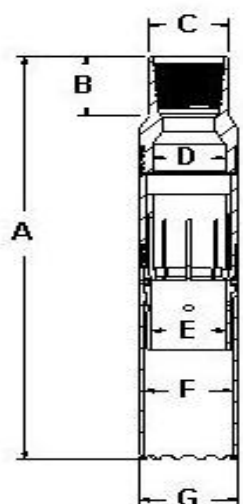


CASING IN/MM	RETRIEVING TOOL O.D. IN/MM	STANDARD THREAD CONNECTIONS	WLPT THREAD CONNECTIONS
4 1/2 114.3	3.75 95.25	2-3/8 EU 8 RND	2-3/8 EU 8 RND
5.5 139.7	4.5 114.3	2-7/8 EU 8 RND	
7 177.8	5.5 139.7		2-7/8 EU 8 RND
8 5/8 219.1	7.35 186.7		

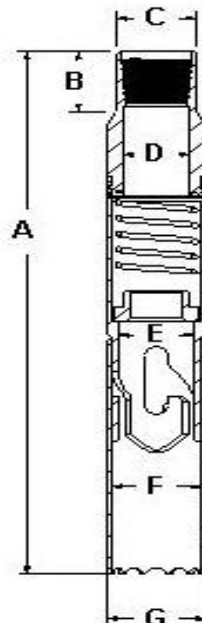
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 Phone: (307) 754-5429 * Fax: (307) 754-5927
 Email: sales@wyomingcompletions.com
 Website: www.wyomingcompletions.com

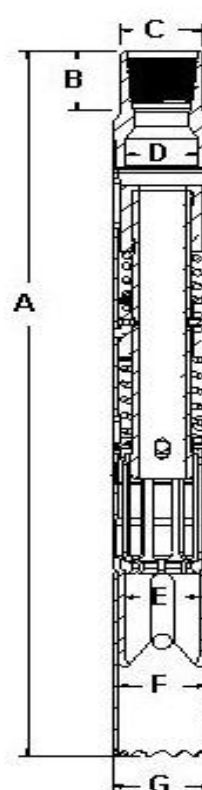
PULLING TOOL LENGTH & DIAMETERS



COLLET



AUTO-J



WLPT

TECHNICAL DATA

PART #	A Length	B Length	C OD	D ID	E ID	F ID	G OD
35PT-C	19.947	2.000	2.500	2.000	1.750	2.260	2.745
43PT-C	20.003	2.950	3.060	2.750	2.850	3.380	3.750
43PT-J	25.874	2.950	3.060	2.540	2.875	3.390	3.740
43WLPT	34.968	2.950	3.060	2.750	2.875	3.380	3.765
45PT-C	20.944	4.087	3.680	3.310	3.060	3.750	4.500
45PT-J	26.626	2.950	3.680	2.910	3.000	3.750	4.500
45WLPT	34.687	2.500	3.060	2.750	3.000	3.750	4.500
47PT-C	20.944	4.087	3.680	3.310	3.060	3.750	5.500
47PT-J	26.629	3.044	3.680	2.910	3.000	3.750	5.500

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RETRIEVABLE BRIDGE PLUG -15K



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES “WP” is a wireline set, packer type, retrievable bridge plug capable of holding high differential pressure from above and below.

FEATURES/BENEFITS

- Caged bi-directional slips
- Balanced equalizing system
- Wireline, hydraulic or coiled tube set
- By-pass valve opens before plug is released
- Straight pull release mechanism
- Rotational safety release mechanism
- Over shot will wash gage ring
- Optional coiled tubing retrieve
- Swab resistant packing element system
- Parts are interchangeable with other manufactures

APPLICATIONS

Temporary bridge plug for acidizing, fracturing, cementing, casing pressure tests, well head replacement and zone isolation.

TECHNICAL DATA

CASING				BRIDGE PLUG	
OD In/mm	WEIGHT Lb/ft	MIN I.D. In/mm	MAX I.D. In/mm	PRODUCT #	MAX O.D. In/mm
4-1/2 114.30	9.5 - 13.5	3.910 99.31	4.090 103.89	43WPA-15K	3.771 95.78

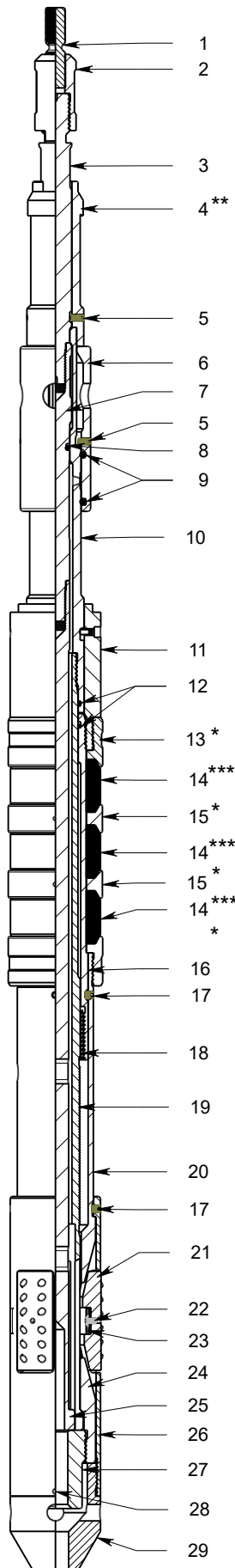
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3-1/2" WIRELINE RETRIEVABLE BRIDGE PLUG "WP"



Part #
35WPA



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SHEAR STUD - 20K	1	35WP16
2	SAFETY SUB	1	35WP01
3	UPPER RELEASE ROD	1	35WP04
4	FISHING NECK	1	35WP02** (C/J)
5	BRASS SHEAR SCREW	7	1/4-20 x 3/8 B
6	EQUALIZING SLEEVE	1	35WP03
7	RELEASE ROD X-OVER	1	35WP05
8	O-RING	1	208-90D Nitrile
9	O-RING	2	223-90D Nitrile
10	BY-PASS SLEEVE	1	35WP06
11	SETTING SLEEVE ADAPTER	1	35WP07
12	O-RING	2	126-90D Nitrile
13	GUIDE RING	2	35WP19*
14	PACKING ELEMENT	3	35WP23***
15	PACKING ELEMENT SPACER	2	35WP24*
16	ELEMENT SUPPORT SLEEVE	1	35WP18
17	BRASS SET SCREW	6	1/4 - 20 x 1/4 B
18	LOCK RING	1	35WP20
19	SETTING MANDREL	1	35WP08
20	UPPER CONE	1	35WP21
21	CARBIDE SLIP	3	35WP22
22	BUTTON HEAD CAP SCREW	3	10-24 x 1/4
23	SLIP SPRING	3	35WP25
24	LOWER CONE	1	35WP11
25	LOWER RELEASE ROD	1	35WP09
26	SLIP CAGE	1	35WP13
27	BOTTOM SUB	1	35WP10
28	STEEL SET SCREW	1	10-32 x 3/16
29	CONE RETAINER	1	35WP15

* SPECIFY CASING RANGE WHEN ORDERING

** SPECIFY COLLET OR J-TYPE

*** SPECIFY PREFERRED ELEMENT STACK WHEN ORDERING
(ie. 90-70-90 DUROMETER)

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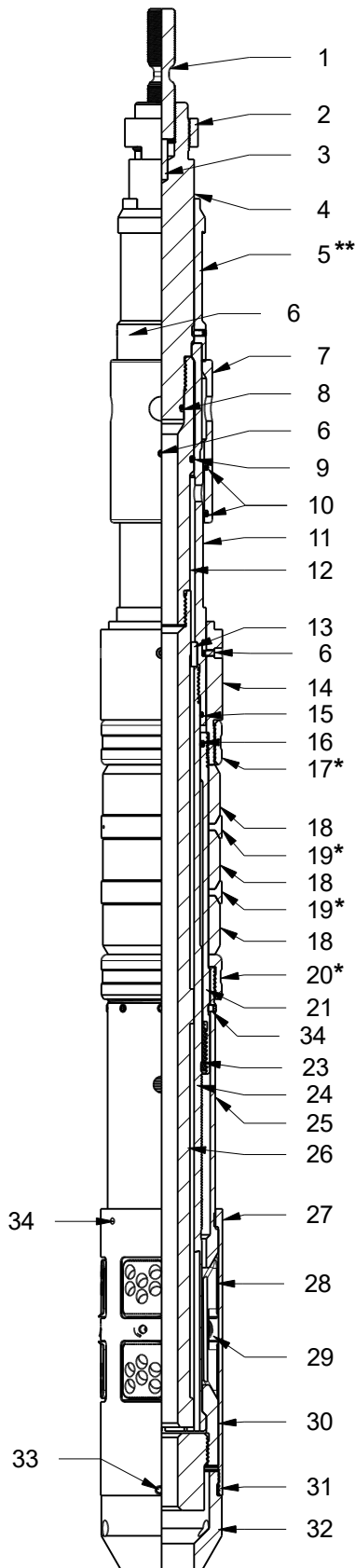
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REV 2 - 05/24/2022

4-1/2" WIRELINE RETRIEVABLE BRIDGE PLUG "WP"



Part #
43WPAA



Item #	Description	QTY	Part Name
1	SHEAR STUD	1	43WP16-35K
2	SAFETY SUB	1	43WP01
3	DRIVE PIN	1	DP01
4	UPPER RELEASE ROD	1	43WP04
5	FISHING NECK	1	43WP02 ** (C/J)
6	BRASS SHEAR SCREW	8	1/4-20 x 3/8 B
7	EQUALIZING SLEEVE	1	43WP03
8	O-RING	1	216-90D Nitrile
9	O-RING	1	224-90D Nitrile
10	O-RING	2	231-90D Nitrile
11	BY-PASS SLEEVE	1	43WP06
12	RELEASE ROD X-OVER	1	43WP05
13	PICKUP RING	1	43WP12
14	SETTING SLEEVE ADAPTER	1	43WP07
15	O-RING	1	142-90D Nitrile
16	O-RING	1	229-90D Nitrile
17	GAGE RING	1	43WP17 *
18	PACKING ELEMENT	3	43WP23-A
19	PACKING ELEMENT SPACER	2	43WP24*
20	GUIDE RING	1	43WP19 *
21	ELEMENT SUPPORT SLEEVE	1	43WP18
23	LOCK RING	1	43WP20
24	SETTING MANDREL	1	43WP08
25	UPPER CONE	1	43WP21
26	LOWER RELEASE ROD	1	43WP09
27	SLIP CAGE	1	43WP13
28	SLIP	5	43WP22
29	SLIP SPRING	5	45WP25
30	LOWER CONE	1	43WP11
31	BOTTOM SUB	1	43WP10
32	CONE RETAINER	1	43WP15
33	STEEL SET SCREW	3	1/4-20 X 3/16
34	BRASS SET SCREW	12	1_4 - 20 x .25 B

* SPECIFY CASING RANGE WHEN ORDERING

** SPECIFY COLLET OR J-TYPE

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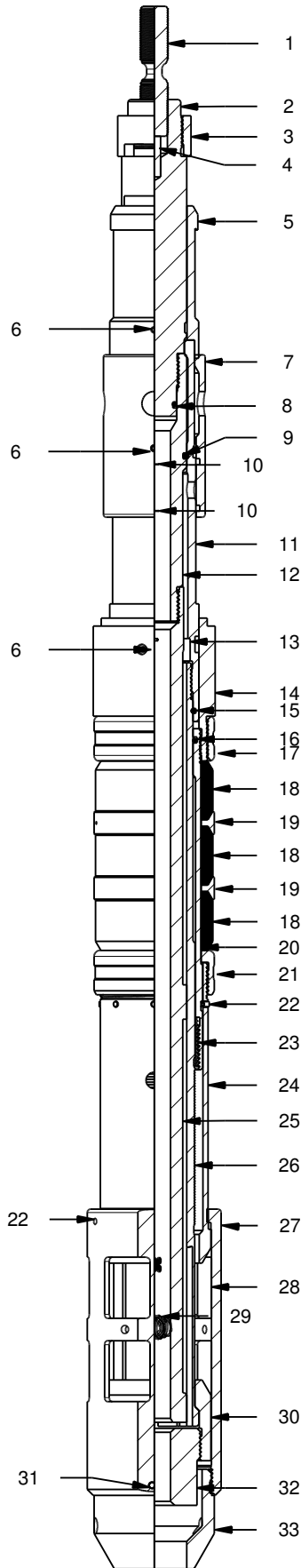
06/16/2021

5" Wireline Retrievable Bridge Plugs "WP"



Part #
44WPAA

PARTS & ASSEMBLY



Item #	Description	QTY	Part Name
1	Shear Stud	1	43WP16-35K
2	Upper Release Rod	1	43WP04
3	Safety Sub	1	43WP01
4	Drive Pin	1	DP01
5	Fishing Neck	1	43WP02** (C/J)
6	Brass Shear Screw	8	1/4-20 x 3/8 B
7	Equalizing Sleeve	1	43WP03
8	O-Ring	1	216-90D Nitrile
9	O - Ring	1	224-90D Nitrile
10	O - Ring	2	231-90D Nitrile
11	By - Pass Sleeve	1	43WP06
12	Release Rod X-Over	1	43WP05
13	Pickup Ring	1	43WP12
14	Setting Sleeve Adapter	1	43WP07
15	O - Ring	1	142-90D
16	O - Ring	1	229-90D
17	Gage Ring	1	43WP17*
18	Packing Element	3	CN493
19	Element Spacer	2	43WP24*
20	Element Support Sleeve	1	43WP18
21	Guide Ring	1	43WP19*
22	Brass Shear Screw	12	1/4-20 x 1/4 B
23	Lock Ring	1	43WP20
24	Upper Cone	1	43WP21
25	Lower Release Rod	1	43WP09
26	Setting Mandrel	1	43WP08
27	Cage	1	44WP13
28	Slip	5	44WP22
29	Slip Spring	5	45WP25
30	Lower Cone	1	43WP11
31	Set Screw	3	1/4-20 X 3/16
32	Bottom Sub	1	43WP10
33	Cone Retainer	1	43WP15

* Specify Casing Range when Ordering
** Specify Collet or J-Type (C/J)

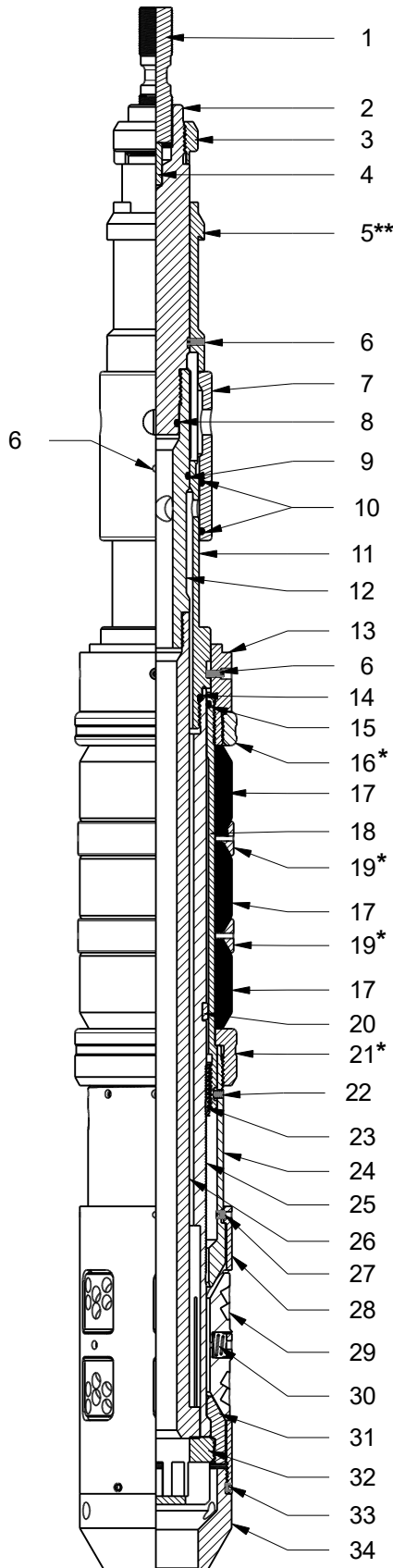
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5-1/2" Wireline Retrievable Bridge Plug "WP"



Part #
45WPAA



45WPAA PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	SHEAR STUD	1	45WP16-55k
2	UPPER RELEASE ROD	1	45WP04
3	SAFETY SUB	1	45WP01
4	DRIVE PIN	1	DP01
5	FISHING NECK	1	45WP02** (C/J)
6	BRASS SET SCREW	8	1/4-20 x 1/2 B
7	EQUALIZING SLEEVE	1	45WP03
8	O-RING	1	216-90D Nitrile
9	O-RING	1	224-90D Nitrile
10	O-RING	2	231-90D Nitrile
11	BY-PASS SLEEVE	1	45WP06
12	RELEASE ROD X-OVER	1	45WP05
13	SETTING SLEEVE ADAPTER	1	45WP07
14	O-RING	1	230-90D Nitrile
15	O - RING	1	234-90D Nitrile
16	GAGE RING	1	45WP17*
17	PACKING ELEMENT	3	45WP23
18	ELEMENT SUPPORT SLEEVE	1	45WP18
19	ELEMENT SPACER	2	45WP24*
20	PICKUP RING	1	45WP12
21	GUIDE RING	1	45WP19*
22	BRASS SET SCREW	8	5/16-18 x 3/8 B
23	LOCK RING	1	45WP20
24	UPPER CONE	1	45WP21
25	SETTING MANDREL	1	45WP08
26	LOWER RELEASE ROD	1	45WP09
27	BRASS SET SCREW	4	1/4 - 20 x 1/4 B
28	SLIP CAGE	1	45WP13
29	SLIP	5	45WP22
30	SLIP SPRING	5	45WP25
31	LOWER CONE	1	45WP11
32	BOTTOM SUB	1	45WP10
33	SET SCREW	3	1/4-20 X 3/16
34	CONE RETAINER	1	45WP15

* Specify Casing Range when Ordering
** Specify Collet or J-Type

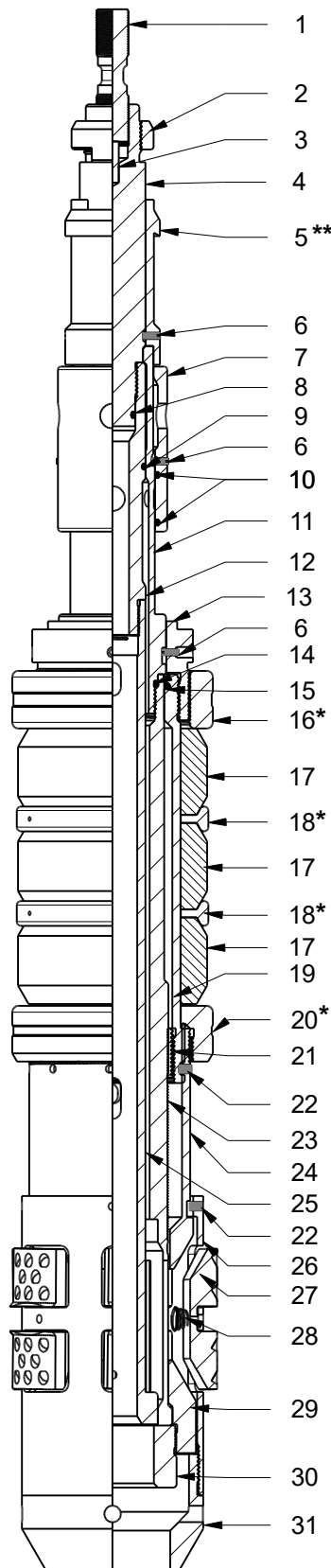
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7" WIRELINE RETRIEVABLE BRIDGE PLUG "WP"



Part #
47WPAA



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	SHEAR STUD	1	45WP16-55k
2	SAFETY SUB	1	45WP01
3	DRIVE PIN	1	DP01
4	UPPER RELEASE ROD	1	45WP04
5	FISHING NECK	1	45WP02** (C/J)
6	BRASS SET SCREW	8	1/4-20 x 1/2 B
7	EQUALIZING SLEEVE	1	45WP03
8	O-RING	1	216-90D Nitrile
9	O-RING	1	224-90D Nitrile
10	O-RING	2	231-90D Nitrile
11	BY-PASS SLEEVE	1	45WP06
12	RELEASE ROD X-OVER	1	45WP05
13	SETTING SLEEVE ADAPTER	1	47WP07
14	O-RING	1	230-90D Nitrile
15	O-RING	1	235-90D Nitrile
16	GAGE RING	1	47WP17*
17	PACKING ELEMENT	3	47WP23
18	ELEMENT SPACER	2	47WP24*
19	ELEMENT SUPPORT SLEEVE	1	47WP18
20	GUIDE RING	1	47WP19*
21	LOCK RING	1	47WP20
22	BRASS SET SCREW	12	5/16-18 x 3/8 B
23	SETTING MANDREL	1	47WP08
24	UPPER CONE	1	47WP21
25	LOWER RELEASE ROD	1	47WP09
26	SLIP CAGE	1	47WP13***
27	SLIP	5	47WP22***
28	SLIP SPRING	10	45WP25
29	LOWER CONE	1	47WP11
30	BOTTOM SUB	1	47WP10
31	CONE RETAINER	1	47WP15

* Specify Casing Range when Ordering

** Specify Collet or J-Type

*** **NOTE: THE 47WP-C2 (Casing Range 17-20#) REQUIRES PART #'s 48WP13 AND 49WP22**

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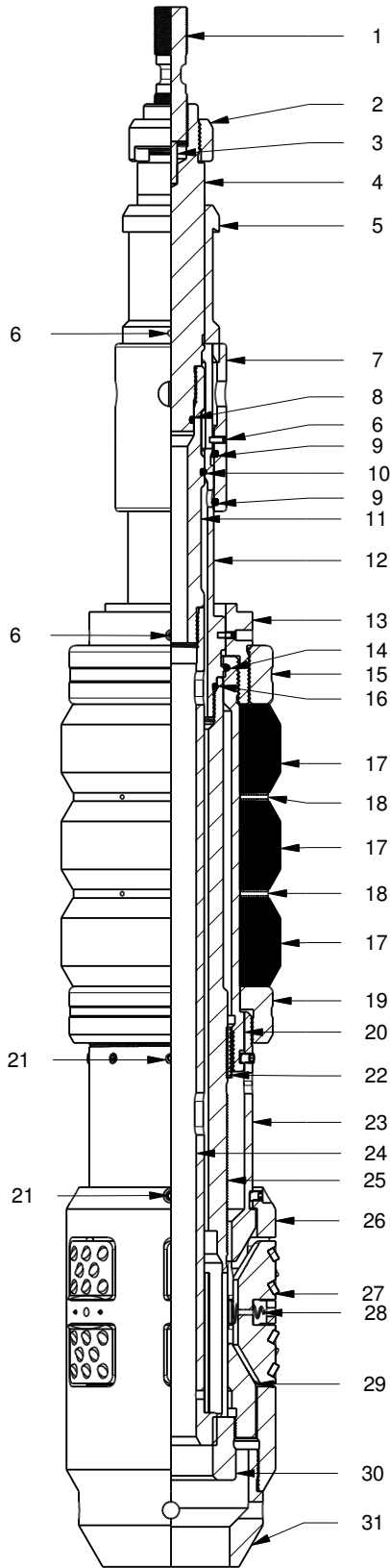
06/16/2021

7-5/8" Wireline Retrievable Bridge Plug "WP"



Part #
48WPAA

48WPAA PARTS & ASSEMBLY



Item #	Description	Qty	Part Name
1	Shear Stud	1	45WP16-55k
2	Safety Sub	1	45WP01
3	Drive Pin	1	DP01
4	Upper Release Rod	1	45WP04
5	Fishing Neck	1	45WP02** (C/J)
6	Brass Shear Screw	9	1/4" - 20 x 1/2"B
7	Equalizing Sleeve	1	45WP03
8	O-Ring	1	216-90D Nitrile
9	O - Ring	2	231-90D Nitrile
10	O - Ring	1	224-90D Nitrile
11	Release Rod X-Over	1	45WP05
12	By-Pass Sleeve	1	45WP06
13	Setting Sleeve Adapter	1	47WP07
14	O-Ring	1	235-90D Nitrile
15	Gage Ring	1	47WP17*
16	O - Ring	1	230-90D Nitrile
17	Packing Element	3	48WP23(20-29)
18	Element Spacer	2	47WP24*
19	Guide Ring	1	47WP19*
20	Element Support Sleeve	1	47WP18
21	Brass Shear Screw	12	5/16 - 18 x 3/8B
22	Lock Ring	1	47WP20
23	Upper Cone	1	47WP21
24	Lower release Rod	1	47WP09
25	Setting Mandrel	1	47WP08
26	Cage	1	48WP13
27	Slip	5	49WP22
28	Slip Spring	10	49WP25
29	Lower Cone	1	47WP11
30	Bottom Sub	1	47WP10
31	Cone Retainer	1	47WP15

* Specify Casing Range when Ordering

** Specify Collet or J-Type

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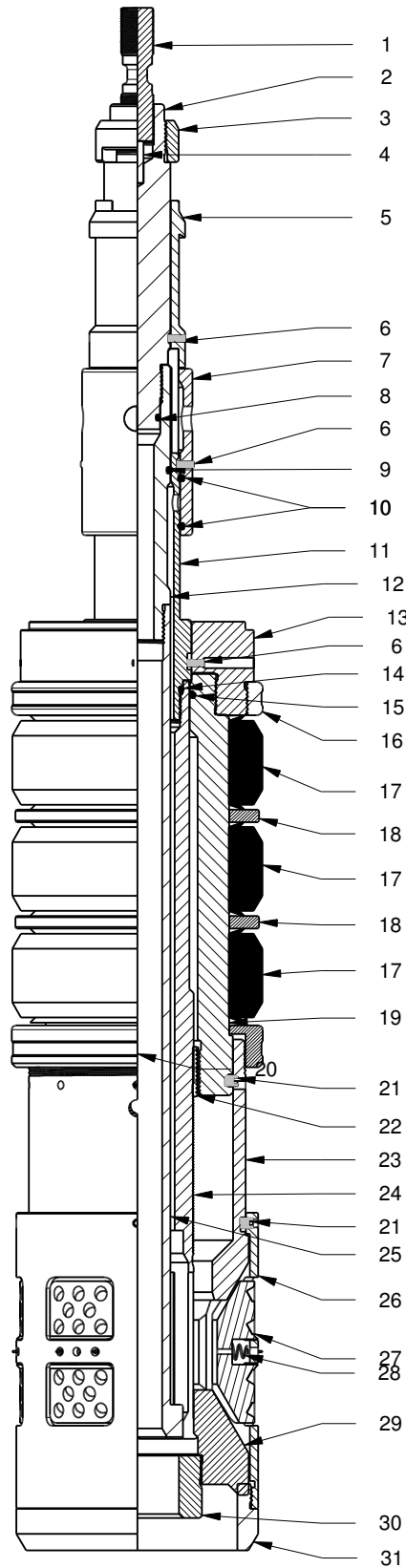
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04/09/2014 - KW

8 5/8" Wireline Retrievable Bridge Plug "WP"



Part #
49WPAA



49WPAA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	Shear Stud	1	45WP16-55K
2	Upper Release Rod	1	45WP04
3	Safety Sub	1	45WP01
4	Drive Pin	1	DP01
5	Fishing Neck	1	45WP02** (C/J)
6	Brass Shear Screw	8	1/4-20 x 1/2 B
7	Equalizing Sleeve	1	45WP03
8	O-Ring	1	216-90D Nitrile
9	O - Ring	1	224-90D Nitrile
10	O - Ring	2	231-90D Nitrile
11	By-Pass Sleeve	1	45WP06
12	Release Rod X-Over	1	45WP05
13	Setting Sleeve Adapter	1	49WP07
14	O - Ring	1	230-90D Nitrile
15	O-Ring	1	235-90D Nitrile
16	Gage Ring	1	49WP17*
17	Packing Element	3	49WP23
18	Packing Element Spacer	2	49WP24*
19	Element Support Sleeve	1	49WP18
20	Guide Ring	1	49WP19*
21	Brass Shear Screw	12	5/16-18 x 3/8 B
22	Lock Ring	1	47WP20
23	Upper Cone	1	49WP21
24	Setting Mandrel	1	47WP08
25	Lower Release Rod	1	47WP09
26	Cage	1	49WP13
27	Slip	1	49WP22
28	Slip Spring	12	49WP25
29	Lower Cone	1	49WP11
30	Bottom Sub	1	47WP10
31	Cone Retainer	1	49WP15

* Specify Casing Range when Ordering
** Specify Collet or J-Type

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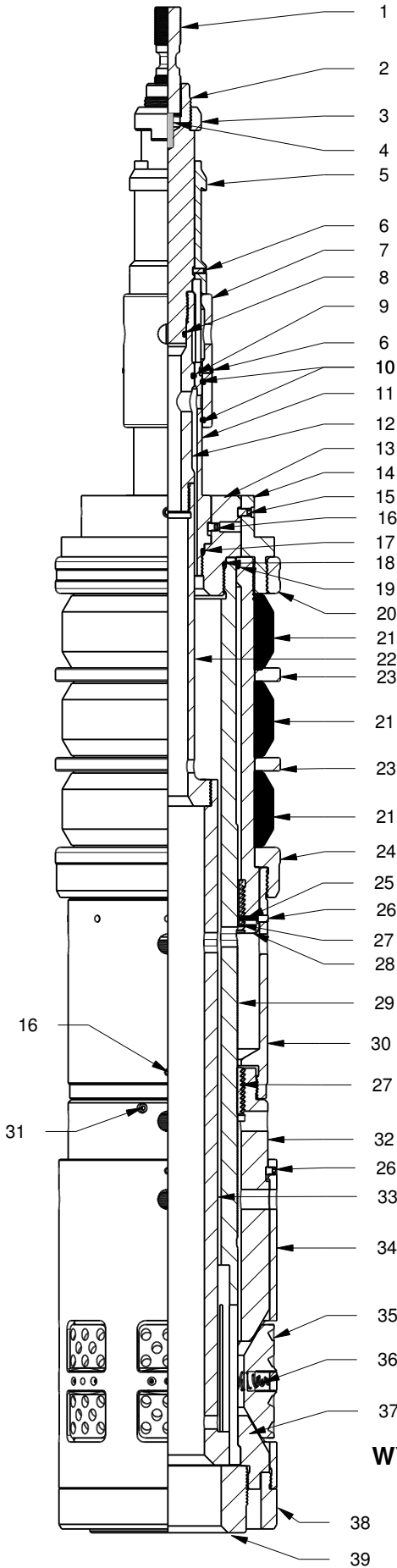
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9-5/8" Wireline Retrievable Bridge Plug "WP"



Part #
51WPAA

PARTS & ASSEMBLY



Item #	Description	Qty	Part Name
1	Shear Stud	1	45WP16-55k
2	Upper Release Rod	1	45WP04
3	Safety Sub	1	45WP01
4	Drive Pin	1	DP01
5	Fishing Neck	1	45WP02** (C/J)
6	Brass Shear Screw	4	1/4-20 x 1/2 B
7	Equalizing Sleeve	1	45WP03
8	O-Ring	1	216-90D Nitrile
9	O - Ring	1	224-90D Nitrile
10	O - Ring	2	231-90D Nitrile
11	By-Pass Sleeve	1	45WP06
12	Release Rod X-Over	1	45WP05
13	Release Rod Adapter	1	51WP14
14	Setting Sleeve Adapter	1	51WP07
15	Brass Set Screw	4	5/16 x 18 x 1/2 B
16	Steel Set Screw	7	5/16-18 x 3/8
17	O - Ring	1	230-90D Nitrile
18	O-Ring	1	243-90D Nitrile
19	O-Ring	1	251-90D Nitrile
20	Gage Ring	1	51WP17*
21	Packing Element	3	51WP23
22	Lower Release Rod Adapter	1	51WP26
23	Element Spacer	2	51WP24*
24	Guide Ring	1	51WP19*
25	Spring Pin	1	SP1/8 x 5/8_SPNG
26	Brass Shear Screw	12	5/16-18 x 3/8B
27	Lock Ring	2	51WP20
28	Element Support Sleeve	1	51WP18
29	Setting Mandrel	1	51WP08
30	Upper Cone Extension	1	51WP27
31	Socket Head Cap Screw	1	10/32x 3/4 Soc Cap Screw
32	Upper Cone	1	51WP21
33	Lower release Rod	1	51WP09
34	Cage	1	51WP13
35	Slip	7	51WP22
36	Slip Spring	14	49WP25
37	Lower Cone	1	51WP11
38	Cone Retainer	1	51WP15
39	Bottom Sub	1	51WP10

* Specify Casing Range when Ordering

** Specify Collet or J-Type

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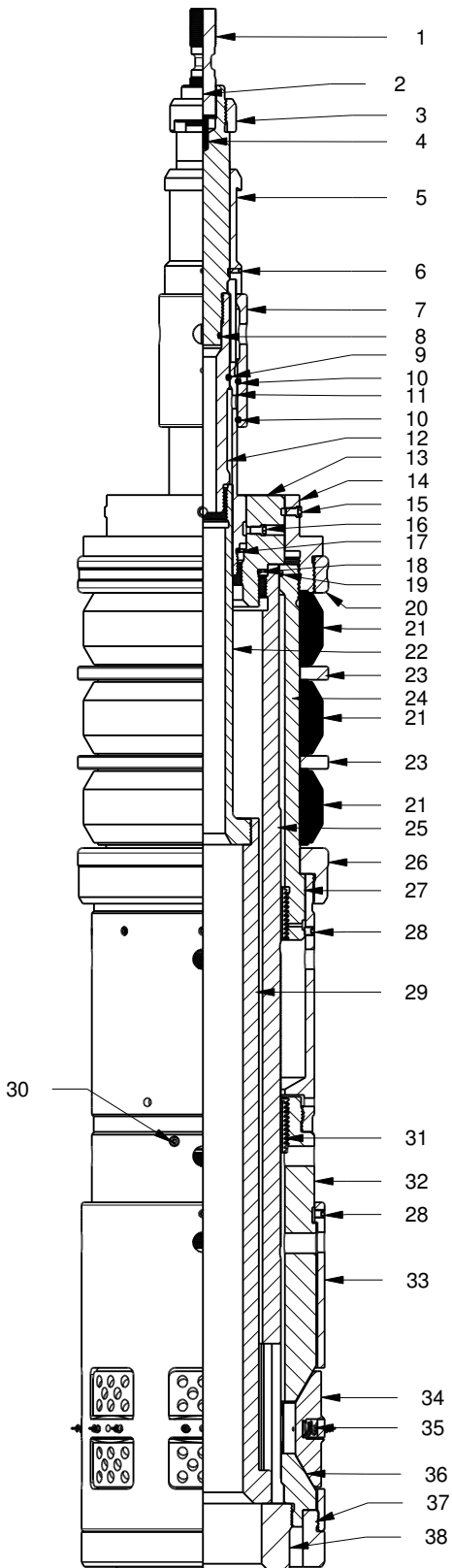
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10 3/4" WP BRIDGE PLUG "WP"



Part #
53WPAA

PARTS & ASSMEBLY



Item #	Description	Qty	Part Name
1	Shear Stud	1	45WP16-55k
2	Upper Release Rod	1	45WP04
3	Safety Sub	1	45WP01
4	Drive Pin	1	DP01
5	Fishing Neck	1	45WP02** (C/J)
6	Brass Shear Screw	4	1/4-20 x 1/2 B
7	Equalizing Sleeve	1	45WP03
8	O-Ring	1	216-90D Nitrile
9	O - Ring	1	224-90D Nitrile
10	O - Ring	2	231-90D Nitrile
11	By-Pass Sleeve	1	45WP06
12	Release Rod X-Over	1	45WP05
13	Release Rod Adapter	1	53WP14
14	Setting Sleeve Adapter	1	53WP07
15	Socket Head Cap Screw	11	5/16-18 x 3/8
16	Brass Set Screw	1	5/16 -18 x 1/2 B
17	O - Ring	1	230-90D Nitrile
18	O-Ring	1	243-90D Nitrile
19	O - Ring	1	162-90D Nitrile
20	Gage Ring	1	53WP17*
21	Packing Element	3	53WP23
22	Lower Release Rod Adapter	1	53WP26
23	Packing Element Spacer	2	53WP24*
24	Element Support Sleeve	1	53WP18
25	Setting Mandrel	1	53WP08
26	Guide Ring	1	53WP19*
27	Upper Cone Extension	1	53WP27
28	Brass Shear Screw	12	5/16-18 x 3/8 B
29	Lower Release Rod	1	53WP09
30	Socket Head Cap Screw	4	10-32 x 3/4
31	Lock Ring	2	53WP20
32	Upper Cone	1	53WP21
33	Slip Cage	1	53WP13
34	Slip	7	53WP22
35	Slip Spring	15	49WP25
36	Lower Cone	1	53WP11
37	Cone Retainer	1	53WP15
38	Bottom Sub	1	53WP10

* Specify Casing Range when Ordering

** Specify Collet of J-Type

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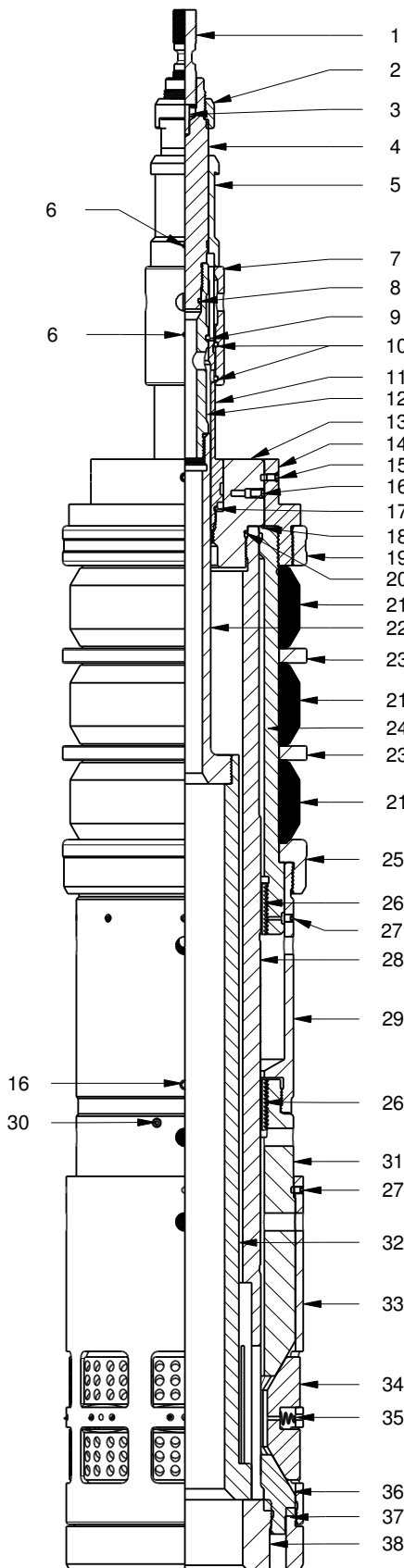
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04/09/2014 - KW

11 3/4" Wireline Retrievable Bridge Plug "WP"



Part #
54WPAA



54WPAA PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	Shear Stud	1	45WP16-55k
2	Safety Sub	1	45WP01
3	Drive Pin	1	DP01
4	Upper Release Rod	1	45WP04
5	Fishing Neck	1	45WP02** (C/J)
6	Brass Shear Screw	4	1/4-20 x 1/2 B
7	Equalizing Sleeve	1	45WP03
8	O-Ring	1	216-90D Nitrile
9	O - Ring	1	224-90D Nitrile
10	O - Ring	2	231-90D Nitrile
11	By-Pass Sleeve	1	45WP06
12	Release Rod X-Over	1	45WP05
13	Release Rod Adapter	1	54WP14
14	Setting Sleeve Adapter	1	54WP07
15	Brass Set Screw	4	5/16-18 x 1/2 B
16	Socket Head Cap Screw	7	5/16-18 x 3/8
17	O - Ring	1	230-90D Nitrile
18	O - Ring	1	165-90D Nitrile
19	Gage Ring	1	54WP17*
20	O - Ring	1	159-90D Nitrile
21	Packing Element	3	54WP23
22	Lower Release Rod Adapter	1	54WP26
23	Packing Element Spacer	2	54WP24*
24	Element Support Sleeve	1	54WP18
25	Guide Ring	1	54WP19*
26	Lock Ring	2	54WP20
27	Brass Shear Screw	9	5/16-18 x 3/8 B
28	Setting Mandrel	1	54WP08
29	Upper Cone Extension	1	54WP27
30	Socket Head Cap Screw	4	10-32 x 3/4
31	Upper Cone	1	54WP21
32	Lower Release Rod	1	54WP09
33	Slip Cage	1	54WP13
34	Slip	1	54WP22
35	Slip Spring	16	49WP25
36	Lower Cone	1	54WP11
37	Cone Retainer	1	54WP15
38	Bottom Sub	1	54WP10

* Specify Casing Range when Ordering
** Specify Collet or J-Type

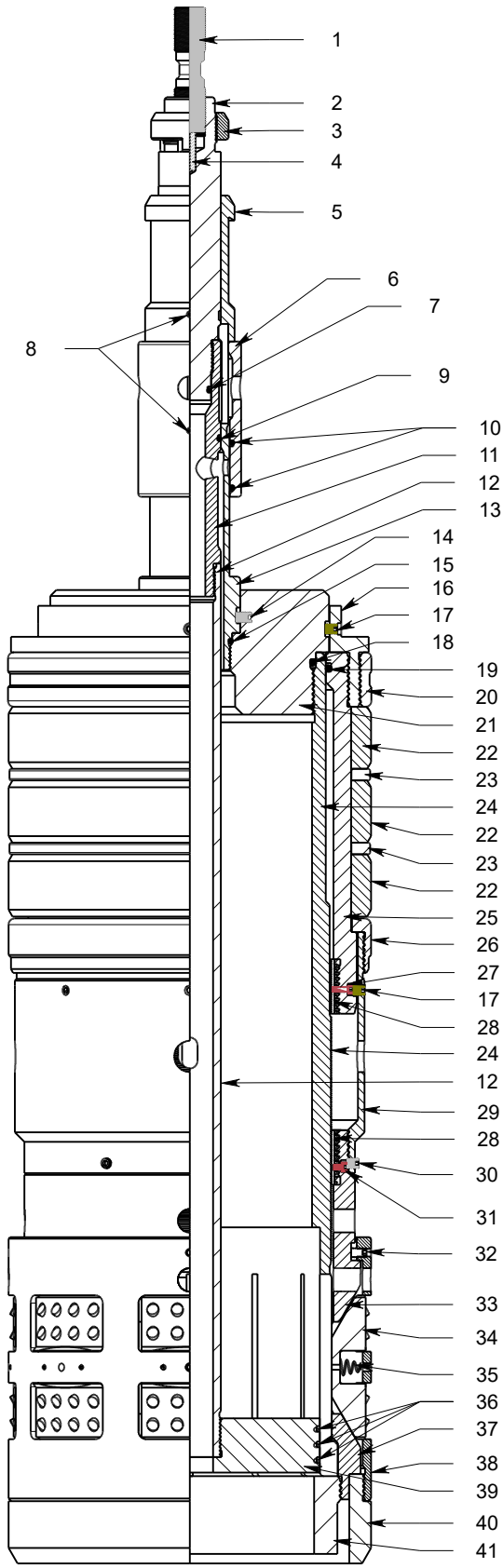
WYOMING COMPLETION TECHNOLOGIES, INC.

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13-3/8" WIRELINE RETRIEVABLE BRIDGE PLUG "WP"



Part # **55WPA** PAGE 1 OF 2



Item #	Description	Qty	Part Name
1	SHEAR STUD	1	45WP16-55K
2	UPPER RELEASE ROD	1	45WP04
3	SAFETY SUB	1	45WP01
4	DRIVE PIN	1	DP01
5	FISHING NECK	1	45WP02**
6	EQUALIZING SLEEVE	1	45WP03
7	O-RING	1	216-90D Nitrile
8	BRASS SET SCREW	4	1/4-20 x 1/2 B
9	O-RING	1	224-90D Nitrile
10	O-RING	2	231-90D Nitrile
11	RELEASE ROD X-OVER	1	45WP05
12	LOWER RELEASE ROD ADAPTER	1	55WP26
13	BY-PASS SLEEVE	1	45WP06
14	STEEL SHEAR SCREW	4	5/16-18 x 1/2
15	O-RING	1	230-90D Nitrile
16	SETTING SLEEVE ADAPTER	1	55WP07
17	BRASS SHEAR SCREW	12	5/16-18 x 3/8 B
18	O-RING	1	368-90D Nitrile
19	O-RING	1	372-90D Nitrile
20	GAGE RING	1	55WP17
21	RELEASE ROD ADAPTER	1	55WP14
22	PACKING ELEMENT	3	55WP23
23	PACKING ELEMENT SPACER	2	55WP24
24	SETTING MANDREL	1	55WP08
25	ELEMENT SUPPORT SLEEVE	1	55WP18
26	GUIDE RING	1	55WP19
27	SOCKET HEAD CAP SCREW	1	10-32 x 1/2
28	LOCK RING	2	55WP20
29	UPPER CONE EXTENSION	1	55WP27
30	SHEAR SCREW	3	5/16-18 x 3/8
31	SOCKET HEAD CAP SCREW	1	10-32 x 1/4
32	BRASS SHEAR SCREW	4	5/16-18 x 1/2 B
33	UPPER CONE	1	55WP21
34	SLIP	8	55WP22
35	SLIP SPRING	16	49WP25
36	O-RING	3	266-90D Nitrile
37	LOWER CONE	1	55WP11
38	SLIP CAGE	1	55WP13
39	LOWER RELEASE ROD	1	55WP09
40	CONE RETAINER	1	55WP15
41	BOTTOM SUB	1	55WP10

* Specify Casing Range when Ordering
 ** Specify Collet or J-Type

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REV P2 - 02/06/2019

5K DRILLABLE BRIDGE PLUG



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES 5K Bridge Plug is specifically designed to provide a low cost, medium performance plug to temporarily or permanently abandon a wellbore. Other zone isolation applications for the 5K Bridge Plug includes testing, cementing, or stimulating. The 5K Bridge Plug can be set on wireline.

FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- Top equalizing
- Materials are compatible with P-110 casing
- Quick and easy drill-up
- Compatible with standard wireline pressure setting tools or many hydraulic setting tools
- Optional: Mule Shoe

APPLICATIONS

- Squeeze cementing
- Fracturing
- Temporary or permanent plug and abandonment

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
35CPAA-5K	3-1/2 88.90	3.068 77.93	2.992 76.00	5.75 – 10.3 8.56 – 15.33	2.76 70.10
43CPAA-5K	4-1/2 114.30	4.090 103.89	3.820 97.03	9.5 – 15.1 14.14 – 22.47	3.61 91.69
44CPAA-5K	5 127.00	4.560 115.82	4.276 108.61	11.5 -18 17.11 – 26.79	3.93 99.82
45CPAA-5K	5-1/2 139.70	5.044 128.12	4.670 118.62	13 – 23 19.35 – 34.23	4.31 109.47
46CPAA-5K	6-5/8 168.28	6.130 155.70	5.580 141.73	17 – 34.5 25.30 – 51.34	5.38 136.65
47CPAA-5K	7 177.80	6.530 165.86	6.000 152.40	17 – 35 25.30 – 52.09	5.69 144.53
47CPAA-B-5K	7 177.80	6.800 172.72	6.330 160.78	17 – 24 25.30 – 35.72	6.00 152.40
	7-5/8 193.68			33.7 – 47.1 50.15 – 70.09	
48CPAA-5K	7-5/8 193.68	7.250 184.15	6.620 168.15	20 – 39 29.76 – 58.04	6.31 160.27
49CPAA-5K	8-5/8 219.08	8.090 205.49	7.430 188.72	24 – 52 35.72 – 77.38	7.12 180.85
51CPAA-5K	9-5/8 244.48	9.060 230.12	8.370 212.60	29.3 – 61.1 43.60 – 90.93	8.12 206.25

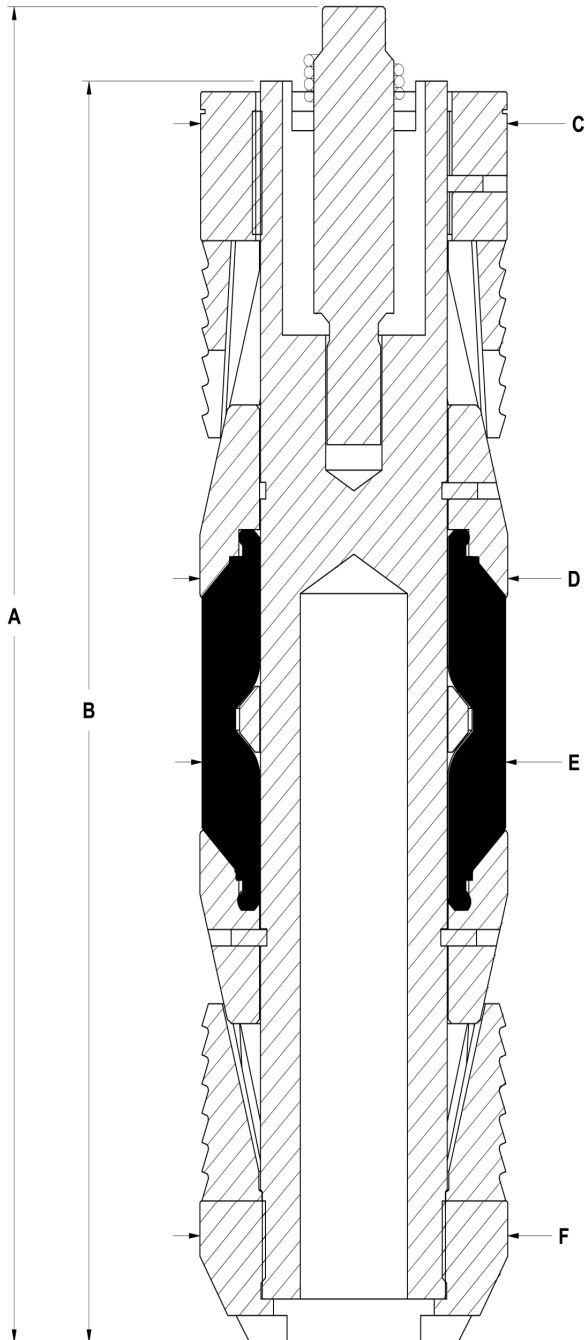
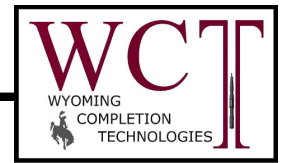


5K Type-B Bridge Plug

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TYPE-B BRIDGE PLUG - 5K



LENGTHS & DIAMETERS

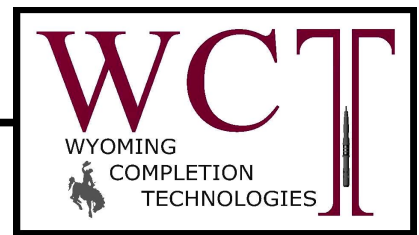
<u>TOOL</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
35CPAA-5K	19.55	11.99	2.75	2.75	2.70	2.75
43CPAA-5K	18.17	11.75	3.61	3.43	3.52	3.60
44CPAA-5K	21.17	15.12	3.94	3.93	3.90	3.94
45CPAA-5K	15.44	14.56	4.29	4.31	4.25	4.31
46CPAA-5K	18.51	17.92	5.38	5.38	5.25	5.38
47CPAA-5K	18.77	18.05	5.69	5.69	5.62	5.69
48CPAA-5K	18.47	17.87	6.31	6.31	6.25	6.31
49CPAA-5K	19.57	18.95	7.12	7.12	7.13	7.12
51CPAA-5K	19.45	18.87	8.12	8.12	8.12	8.12

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10K DRILLABLE BRIDGE PLUG

SIZES 2-3/8" – 7-5/8"



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES 10K Bridge Plug is specifically designed to provide a low cost, medium performance plug to temporarily or permanently abandon a wellbore. Other zone isolation applications for the 10K Bridge Plug includes testing, cementing, or stimulating. The 10K Bridge Plug can be set on wireline.

FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- Top equalizing
- Materials are compatible with P-110 casing
- Expandable metal backup rings
- Quick and easy drill-up
- Compatible with standard wireline pressure setting tools or many hydraulic setting tools
- Optional: Mule Shoe

APPLICATIONS

- Squeeze cementing
- Fracturing
- Temporary or permanent plug and abandonment

TECHNICAL DATA

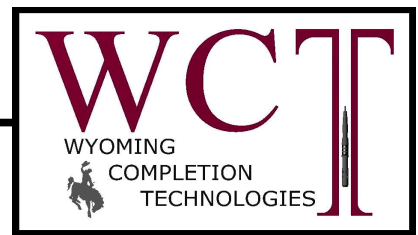


PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
23CPAA-10K	2-3/8	2.074	1.780	4 – 5.8	1.75
	60.33	52.68	45.21	5.95 – 8.63	44.45
27CPAA-10K	2-7/8	2.441	2.347	6.4 – 7.8	2.23
	73.03	62.00	59.61	9.52 – 11.61	56.64
35CPAA-10K	3-1/2	3.068	2.992	5.75 – 10.3	2.76
	88.90	77.93	76.00	8.56 – 15.33	70.10
35CP-A2-10K	3-1/2	2.750		12.95	2.57
	88.90	69.85		19.27	65.28
40CPAA-10K	4	3.729	3.340	5.60 – 14.00	3.140
	101.6	94.72	84.84	8.33 – 20.83	79.76
43CPAA-10K	4-1/2	4.090	3.820	9.5 – 15.1	3.61
	114.30	103.89	97.03	14.14 – 22.47	91.69
43CPAA-10K-2.87	4-1/2	3.958	3.920	12.6 – 13.5	2.87
	114.30	100.53	99.57	18.75 – 20.09	72.90
44CPAA-10K	5	4.560	4.276	11.5 – 18	3.93
	127.00	115.82	108.61	17.11 – 26.79	99.82
45CPAA-10K	5-1/2	5.044	4.670	13 – 23	4.31
	139.70	128.12	118.62	19.35 – 34.23	109.47
46CPAA-10K	6-5/8	6.130	5.580	17 – 34.5	5.38
	168.28	155.70	141.73	25.30 – 51.34	136.65
47CPAA-10K	7	6.530	6.000	17 – 35	5.69
	177.80	165.86	152.40	25.30 – 52.09	144.53
47CPAA-B-10K	7	6.800	6.330	17 – 24	6.00
	177.80			25.30 – 35.72	
	7-5/8	172.72	160.78	33.7 – 47.1	152.40
48CPAA-10K	7-5/8	7.250	6.620	20 – 39	6.312
	193.68	184.15	168.15	29.76 – 58.04	160.32

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10K DRILLABLE BRIDGE PLUG

SIZES 8-5/8" – 20"



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES 10K Bridge Plug is specifically designed to provide a low cost, medium performance plug to temporarily or permanently abandon a wellbore. Other zone isolation applications for the 10K Bridge Plug includes testing, cementing, or stimulating.

The 10K Bridge Plug can be set on wireline.

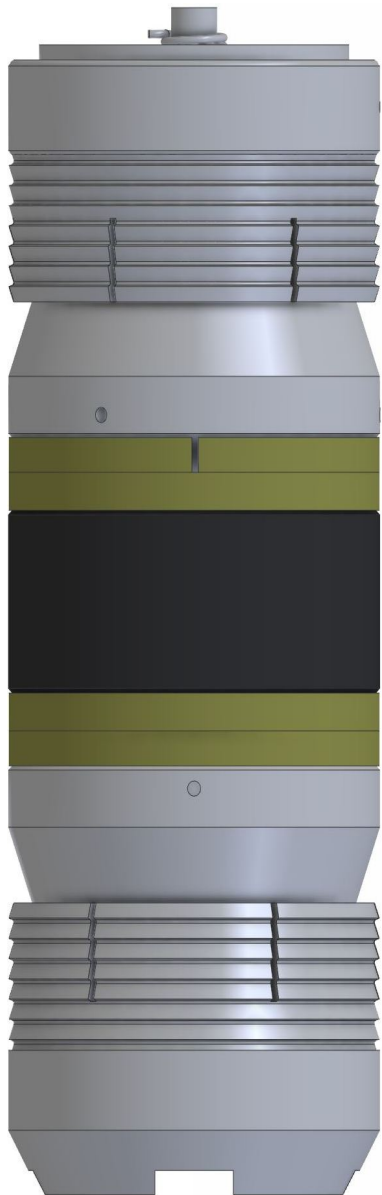
FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- Top equalizing
- Materials are compatible with P-110 casing
- Expandable metal backup rings
- Quick and easy drill-up
- Compatible with standard wireline pressure setting tools or many hydraulic setting tools
- Optional: Mule Shoe

APPLICATIONS

- Squeeze cementing
- Fracturing
- Temporary or permanent plug and abandonment

TECHNICAL DATA

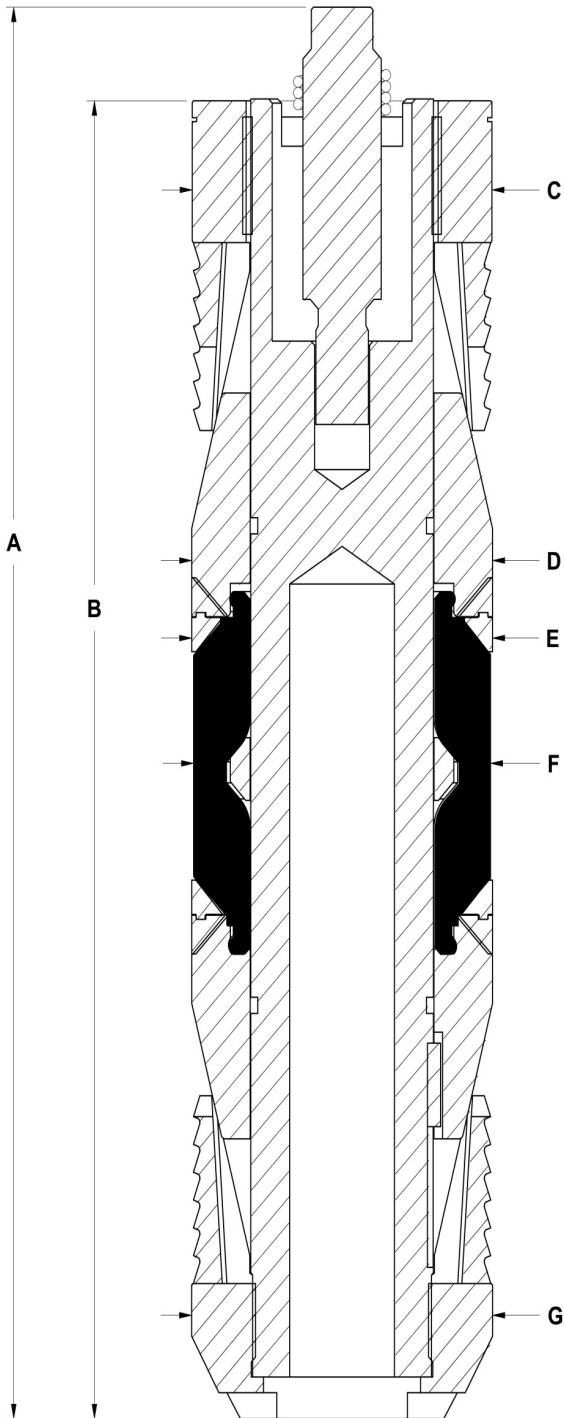


9-5/8" TYPE 'B'
BRIDGE PLUG

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
49CPAA-8K	8-5/8 219.08	8.097 205.66	7.125 180.98	24 – 49 35.72 – 72.92	7.125 180.98
51CPAA-8K	9-5/8 244.48	9.063 230.20	8.375 212.73	29.3 – 61.1 43.60 – 90.93	8.125 206.38
53CPAA-A1-5K	10-3/4 273.05	9.979 253.47	9.112 231.44	51 – 79.2 75.89 – 117.86	9.030 229.36
53CPAA-5K		10.192 258.88	9.660 245.36	32.75 – 60.7 48.74 – 90.33	9.440 239.78
54CPAA-4K	11-3/4 298.45	11.150 283.21	10.772 273.61	38 – 60 56.55 – 89.29	10.440 265.18
55CPAA-3K	13-3/8 339.73	12.715 322.96	12.347 313.61	48 – 72 71.43 – 107.15	12.000 304.80
57CPAA-2K	16 406.40	15.250 387.35	14.438 366.73	65 – 128 96.73 – 190.49	14.125 358.78
58CPAA-2K	18-5/8 473.08	18.000 457.20	17.480 443.99	87.5 130.21	17.125 434.98
59CPAA-2K	20 508.00	19.124 485.75	18.730 475.74	94 – 133 139.89 – 197.93	18.375 466.73

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TYPE-B BRIDGE PLUG - 10K



LENGTHS & DIAMETERS

<u>TOOL</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>
23CPAA-10K	15.18	8.79	1.75	1.75	1.73	1.74	1.75
27CPAA-10K	13.69	10.875	2.23	2.22	2.18	2.19	2.23
35CPAA-10K	19.55	11.99	2.75	2.75	2.69	2.70	2.75
35CP-A2-10K	19.55	11.99	2.57	2.57	2.55	2.55	2.57
43CPAA-10K	20.55	14.12	3.60	3.61	3.57	3.52	3.60
44CPAA-10K	21.37	15.32	3.93	3.93	3.89	3.90	3.94
45CPAA-10K	16.46	15.97	4.29	4.31	4.31	4.25	4.31
46CPAA-10K	18.51	17.92	5.38	5.38	5.34	5.25	5.38
47CPAA-10K	18.77	18.05	5.69	5.69	5.64	5.62	5.69
48CPAA-10K	18.47	17.87	6.31	6.31	6.25	6.25	6.31
49CPAA-8K	19.57	18.95	7.12	7.12	7.10	7.13	7.12
51CPAA-8K	19.47	18.87	8.12	8.12	8.11	8.12	8.12
53CPAA-5K	20.18	19.50	9.43	9.43	9.44	9.42	9.43
54CPAA-4K	20.25	19.41	10.43	10.43	10.43	10.41	10.43
55CPAA-3K	20.38	19.60	11.99	11.99	12.00	11.92	11.99
57CPAA-2K	29.26	28.82	14.12	14.12	14.11	14.09	14.12
58CPAA-2K	29.26	28.86	16.80	16.80	16.79	16.77	16.80
59CPAA-2K	29.26	28.93	18.10	18.10	18.09	18.07	18.10

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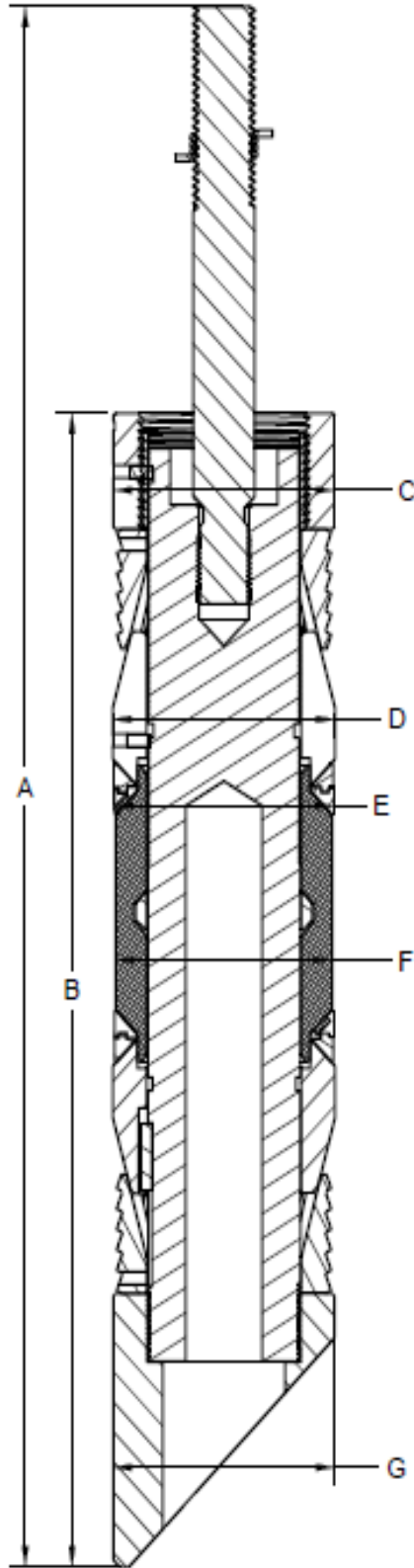
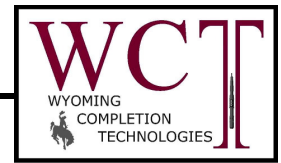
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Website: www.wyomingcompletions.com

TYPE-B BRIDGE PLUG - 10K - MULE SHOE



LENGTHS & DIAMETERS

TOOL	A	B	C	D	E	F	G
43CP-10K-MS	22.85	16.89	3.60	3.61	3.57	3.52	3.60

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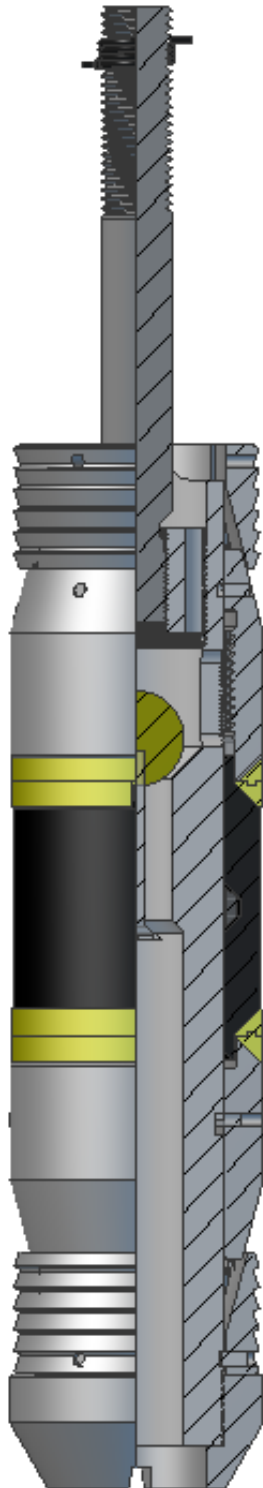
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DRILLABLE FRAC PLUG



Cast Iron Frac Plug

DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Drillable Frac Plug is designed as a cost-effective, reliable tool to temporarily isolate multiple zones for fracturing or other treatments. The Drillable Frac Plug can be set on wireline.

FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- One-piece heat-treated slips
- Materials are compatible with P-110 casing
- Top equalizing
- Quick and easy drill-up
- Compatible with standard wireline pressure setting tools or many hydraulic setting tools

APPLICATIONS

- Temporary zone isolation
- Fracturing
- Temporary plug

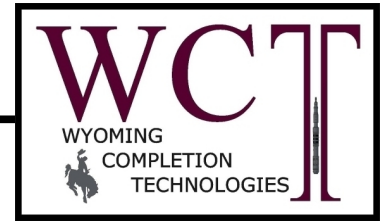
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43CIFP	4-1/2 114.30	4.090 103.89	3.920 99.57	9.5 – 13.5 14.14 – 20.09	3.61 91.69
44CIFP	5 127.00	4.560 115.82	4.276 108.61	11.5 - 18 17.11 - 26.79	3.93 99.82
45CIFP	5-1/2 139.70	5.044 128.12	4.670 118.61	13 – 23 19.35 – 34.23	4.31 109.47

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BIG BORE DRILLABLE FRAC PLUG



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES 2.5 inch Drillable Frac Plug is designed as a cost-effective, reliable tool to temporarily isolate multiple zones for fracturing or other treatments. The Drillable Frac Plug can be set on wireline.

FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- One-piece heat-treated slits
- Materials are compatible with P-110 casing
- Top equalizing
- Quick and easy drill-up
- Compatible with standard wireline pressure setting tools or many hydraulic setting tools

APPLICATIONS

- Temporary zone isolation
- Fracturing
- Temporary plug

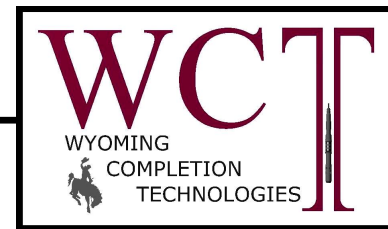
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43CIFP-2.5	4-1/2 114.3	3.83 97.282	3.83 97.282	15.1 22.47	3.50 88.90
45CIFP-2.5	5-1/2 139.7	5.04 128.02	4.67 118.62	13 – 23 19.35 – 34.23	4.31 109.47

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TYPE-A BRIDGE PLUG – 5K



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Type A Bridge Plug is a dependable tubing or wireline set drillable plug. One-piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Cost-effective & dependable
- Nitrile elastomer element system
- Materials are compatible with P-110 casing
- Simple conversion to cement retainer
- Mechanical or wireline set
- Easily drilled

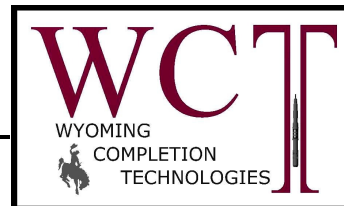
TECHNICAL DATA

PRODUCT # M= Mechanical W= Wire-line	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>	Lb/Ft <i>Kg/m</i>	Inches <i>mm</i>
43CP-M/W-5K	4-1/2 <i>114.30</i>	4.090 <i>103.89</i>	3.820 <i>97.03</i>	9.5 – 15.1 <i>14.14 – 22.47</i>	3.610 <i>91.69</i>
45CP-M/W-5K	5-1/2 <i>139.70</i>	5.044 <i>128.12</i>	4.670 <i>118.62</i>	13 – 23 <i>19.35 – 34.23</i>	4.310 <i>109.47</i>

WYOMING COMPLETION TECHNOLOGIES, INC.

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 Website: wyomingcompletions.com

TYPE-A BRIDGE PLUG – 10K



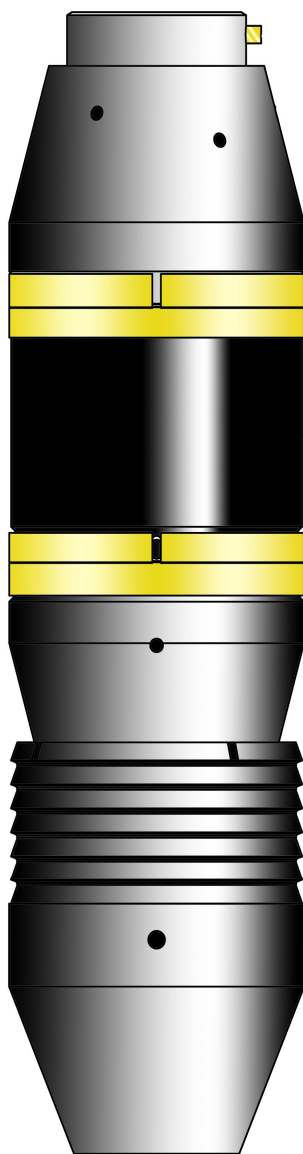
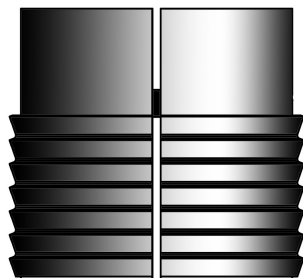
DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Type A Bridge Plug is a dependable tubing or wireline set drillable plug. One piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- Materials are compatible with P-110 casing
- Simple conversion to cement retainer
- Mechanical or wireline set
- Easily drilled

TECHNICAL DATA

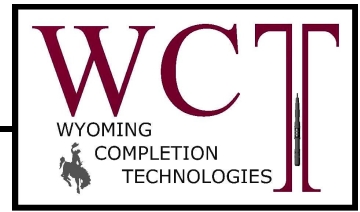


PRODUCT # M= Mechanical W= Wire-line	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43CP-M/W	4-1/2 114.30	4.090 103.89	3.820 97.03	9.5 – 15.1 14.14 – 22.47	3.61 91.69
44CP-M/W	5 127.00	4.560 115.82	4.276 108.61	11.5 - 18 17.11 – 26.79	3.93 99.82
45CP-M/W	5-1/2 139.70	5.044 128.12	4.670 118.62	13 – 23 19.35 – 34.23	4.31 109.47
46CP-M/W	6-5/8 168.28	6.130 156.82	5.580 141.73	17 – 34.5 25.3 – 51.3	5.38 136.65
47CP-M/W	7 177.80	6.530 165.86	6.00 152.40	17 – 35 25.30 – 52.09	5.69 144.53
47CP-B-M/W	7 177.80	6.800 172.72	6.330 160.78	17 – 24 25.30 – 35.72	6.00 152.40
	7-5/8 193.68			33.7 – 47.1 50.15 – 70.09	
48CP-M/W	7-5/8 193.68	7.250 184.15	6.620 168.15	20 – 39 29.76 – 58.04	6.31 160.327
49CP-M/W	8-5/8 219.08	8.090 205.49	7.430 188.72	24 – 52 35.72 – 77.38	7.12 180.85
51CP-M/W	9-5/8 244.48	9.060 230.12	8.370 212.60	29.3 – 61.1 43.60 – 90.93	8.12 206.25
53CP-M/W	10-3/4 273.05	10.192 258.88	9.660 245.36	32.7 – 60.7 48.66 – 90.33	9.44 239.78
54CP-M/W	11-3/4 298.45	11.150 283.21	10.772 273.61	38 – 60 56.55 – 89.29	10.43 264.92
55CP-M/W	13-3/8 339.73	12.715 322.96	12.191 309.65	48 – 72 71.43 – 107.15	12.00 304.08
57CP-M/W	16 406.40	15.250 387.35	14.250 361.95	65 - 128 96.73 - 190.49	14.10 358.14
58CP-M/W	18-5/8 473.08	18.000 457.20	17.480 443.99	87.5 130.21	17.13 435.10
59CP-M/W	20 508.00	19.124 485.75	18.330 465.58	94 - 133 139.89 - 197.93	18.38 466.85

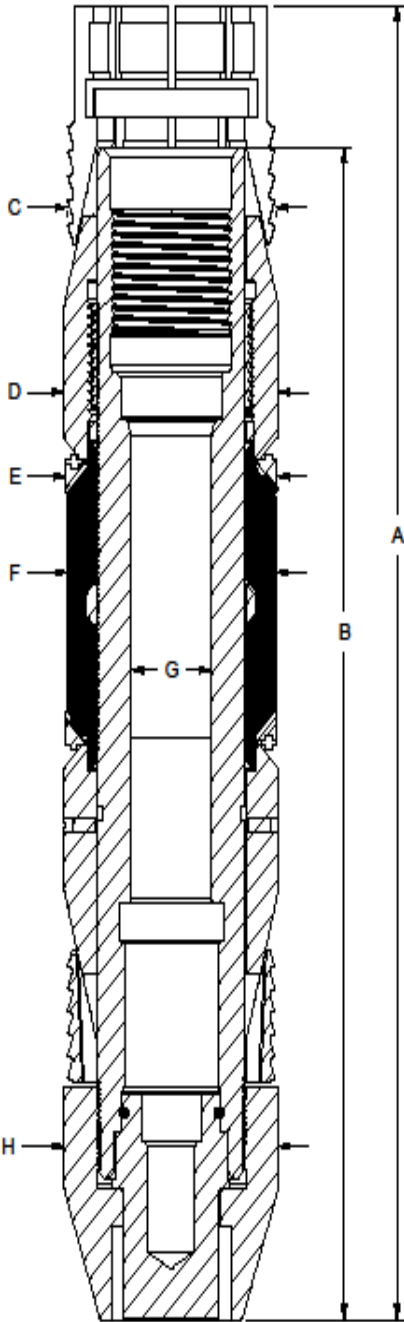
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TYPE-A BRIDGE PLUG



4 1/2" – 20" TYPE-A LENGTHS & DIAMETERS



TOOL	SIZE	A	B	C	D	E	F	G	H
		Mech Wire	Mech Wire	Mech Wire	Mech Wire	Mech Wire	Mech Wire	Mech Wire	Mech Wire
43CP	4-1/2	17.93 16.61	15.67	2.49	3.61	3.57	3.52	1.35	3.61
44CP	5	17.93 16.61	15.67	3.88	3.93	3.89	3.90	1.35	3.94
45CP	5-1/2	17.94 16.59	15.67	4.30	4.31	4.31	4.25	1.35	4.31
47CP	7	18.41 17.45	16.89	5.63	5.69	5.64	5.62	2.02	5.69
47CP-B	7	18.41 17.45	16.89	5.93	6.00	5.93	5.93	2.02	5.69
48CP	7-5/8	17.75 17.45	16.95	6.25	6.31	6.26	6.26	2.02	6.32
49CP	8-5/8	21.10 18.81	17.41	7.07	7.13	7.11	7.13	2.02	7.13
51CP	9-5/8	20.67 18.54	17.40	8.07	8.13	8.12	8.12	2.02	8.13
53CP	10-3/4	21.03 19.9	17.33	9.38	9.44	9.44	9.42	2.02	9.44
54CP	11-3/4	20.35 18.63	16.83	10.38	10.43	10.43	10.41	2.02	10.43
55CP	13-3/8	21.01 18.79	17.36	11.87	11.99	11.99	11.92	2.02	11.99
57CP	16	29.59 27.72	25.95	14.09	14.12	14.11	14.09	2.02	14.12
58CP	18-5/8	29.66 27.43	26.07	16.77	16.80	16.79	16.77	2.02	16.80
59CP	20	29.46 27.40	25.88	18.07	18.38	18.31	18.18	2.02	18.34

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EXTENDED RANGE BRIDGE PLUG



2 7/8" XBP-1.9
Displayed

DESCRIPTION

The Wyoming Completion Technologies Extended Range Bridge Plug provides an effective means of running through restrictions and then setting below in larger diameters, allowing wells to be serviced without first pulling tubing.

FEATURES/BENEFITS

- Cost effective and dependable
- Small tool diameter for getting past restrictions
- Nitrile elastomer element system
- Easily milled

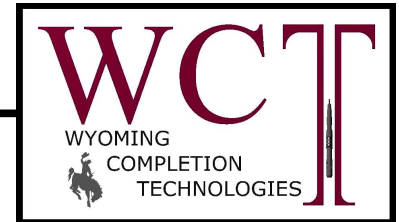
TECHNICAL DATA

PRODUCT #	CASING	SETTING RANGE		TOOL
	OD	ID MAX.	ID MIN.	OD
	Inches/ mm	Inches/ mm	Inches/ mm	Inches/ mm
23XBP-1.41	2-3/8" 60.33	1.995 50.67	1.610 40.89	1.41 35.81
27XBP-1.75	2-7/8" 73.03	2.441 62.00	1.905 48.39	1.75 44.45
27XBP-1.9	2-7/8" 73.03	2.765 70.23	2.156 54.76	1.90 48.26
35XBP-2.19	3-1/2" 88.90	3.000 76.20	2.375 60.33	2.19 55.63
35XBP-2.28	3-1/2" 88.90	3.343 84.91	2.441 62.00	2.28 57.91
40XBP-2.50	4" 101.60	3.500 88.90	2.875 73.03	2.50 63.50
40XBP-2.75	4" 101.60	3.920 99.57	3.187 80.95	2.75 69.85
43XBP-3.0	4-1/2" 114.30	4.154 105.51	3.437 87.30	3.00 76.20
45XBP-3.75	5-1/2" 139.70	4.975 126.37	4.154 105.51	3.75 95.25

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HYDRO-MECH BRIDGE PLUG (HMBP)



DESCRIPTION

The Wyoming Completion Technologies Cast Iron Hydro-Mech Bridge Plug (HMBP) is hydraulically activated and mechanically set. The HMBP is highly efficient and designed especially for high-pressure situations and easy drill-out. The HMST is specifically designed to be used with the WCT HM Bridge Plug. The HM Bridge Plug and Setting Tool can be purchased as a set or individually, eliminating the need for a new setting tool each time.

FEATURES/BENEFITS

- Cost-effective & dependable
- Nitrile elastomer element system
- Available with or without the HMBP Setting Tool
- Compact length
- Right-hand rotation releases from setting tool
- One-piece slips
- Quick and easy drill-up

APPLICATIONS

- Zone Isolation
- Squeeze cementing
- Fracturing
- Temporary or permanent plug and abandonment

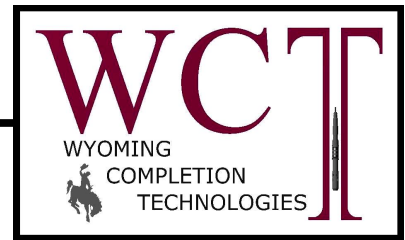
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>	Lb/Ft <i>Kg/m</i>	Inches <i>mm</i>
43HMBPA	4-1/2	4.153	3.806	9.5 - 15.5	3.562
	114.30	105.49	96.67	14.1 - 23.07	90.47
45HMBPA	5-1/2	5.044	4.670	13 - 23	4.310
	139.70	128.12	118.62	19.35 - 34.23	109.47

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HYDRO-MECH SETTING TOOL (HMST)



DESCRIPTION

The Wyoming Completion Technologies (WCT) Hydro-Mech Setting Tool (HMST) is hydraulically activated and mechanically set. The HMST is specifically designed to be used with the WCT HM Bridge Plug. The HM Bridge Plug and Setting Tool can be purchased as a set or individually, eliminating the need for a new setting tool each time.

FEATURES/BENEFITS

- Cost-effective & dependable
- HM Setting Tool eliminates need for special tools and/or equipment
- Compact length
- Right-hand rotation releases setting tool
- Tubing open to annulus after setting to circulate or facilitate dry trip
- Reusable

APPLICATIONS

- Zone Isolation
- Squeeze cementing
- Fracturing
- Temporary or permanent plug and abandonment

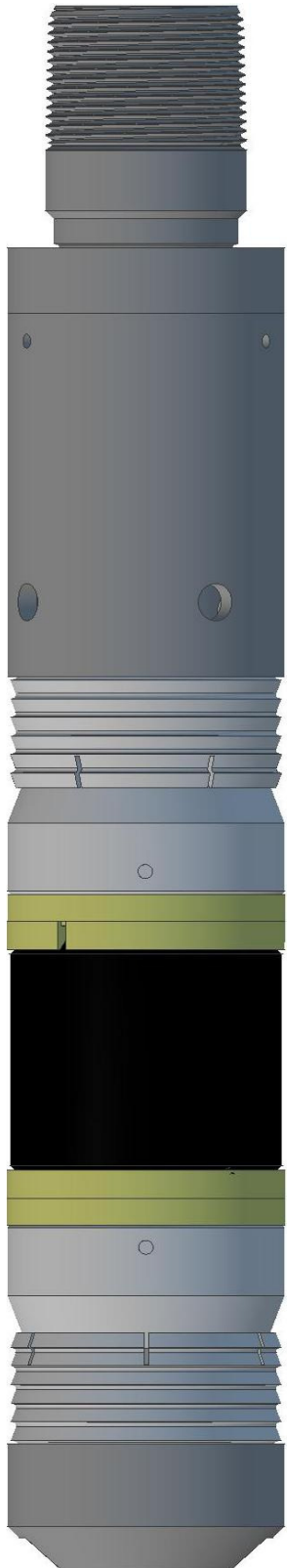
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>	Lb/Ft <i>Kg/m</i>	Inches <i>mm</i>
43HMSTA	4-1/2 114.30	4.153 105.49	3.806 96.67	9.5 - 15.5 14.1 - 23.07	3.562 90.48
45HMSTA	5-1/2 139.70	5.044 128.12	4.670 118.62	13 - 23 19.35 - 34.23	4.310 109.47

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HYDRO-MECH (HM) BRIDGE PLUG and SETTING TOOL COMBO



DESCRIPTION

The Wyoming Completion Technologies Hydro-Mech (HM) Bridge Plug and Setting Tool have been specifically designed to work together. The HM combo is hydraulically activated and mechanically set. The setting tool is retrievable and reusable therefore providing lower drill-out times and cost. It is highly efficient and designed especially for high pressure situations and easy drill-out.

FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- HM Setting Tool eliminates need for other special tools and/or equipment
- Compact length
- Right-hand rotation releases setting tool
- Tubing open to annulus after setting to circulate or facilitate dry trip
- One-piece slips
- Quick and easy drill-up
- These two tools can be purchased together or separately, eliminating the need for a new setting tool each time.

APPLICATIONS

- Zone isolation
- Squeeze cementing
- Fracturing
- Temporary or permanent plug and abandonment

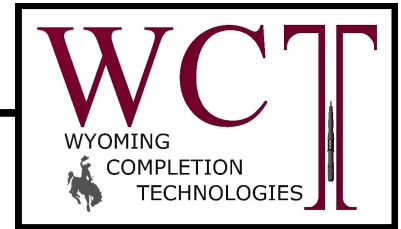
TECHNICAL DATA

PRODUCT #	CASING				TOOL/COMBO
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43HMA	4-1/2 114.30	4.153 105.486	3.806 96.672	9.5 - 15.5 14.1 - 23.07	3.562 90.475

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HYDRO-MECH (HM) BRIDGE PLUG & SETTING TOOL COMBO



DESCRIPTION

The Wyoming Completion Technologies Hydro-Mech (HM) Bridge Plug and Setting Tool have been specifically designed to work together. The HM combo is hydraulically activated and mechanically set. The setting tool is retrievable and reusable therefore providing lower drill-out times and cost. It is highly efficient and designed especially for high-pressure situations and easy drill-out.

FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- HM Setting Tool eliminates need for other special tools and/or equipment
- Compact length
- Right-hand rotation releases setting tool
- Tubing open to annulus after setting to circulate or facilitate dry trip
- One-piece slips
- Quick and easy drill-up
- These two tools can be purchased together or separately, eliminating the need for a new setting tool each time.

APPLICATIONS

- Zone isolation
- Squeeze cementing
- Fracturing
- Temporary or permanent plug and abandonment

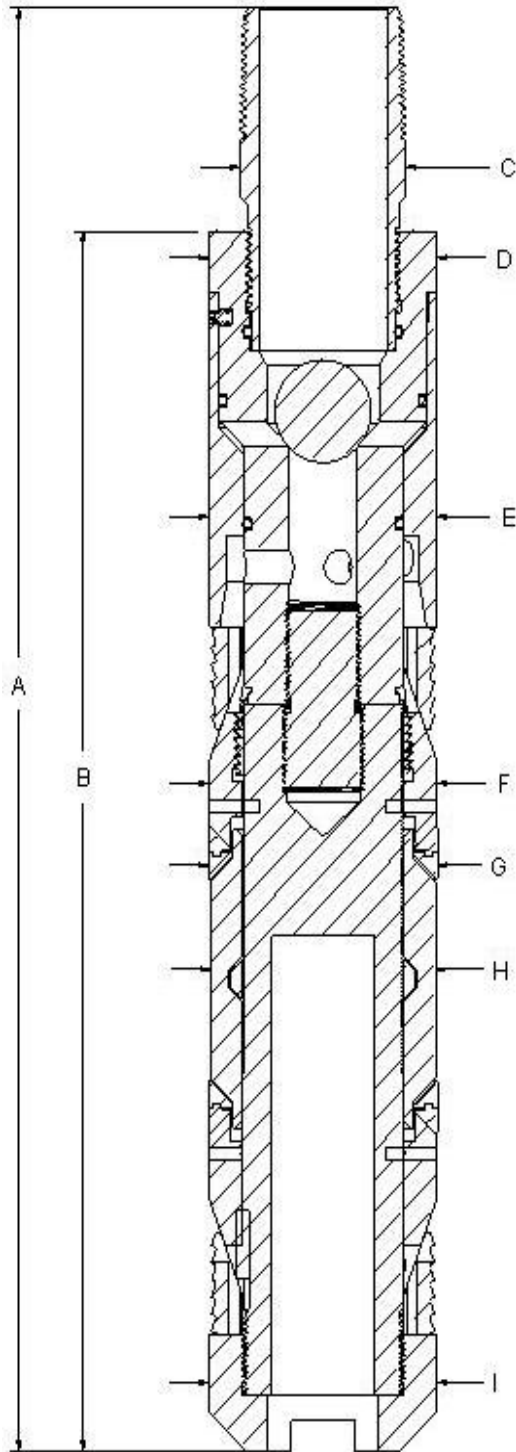
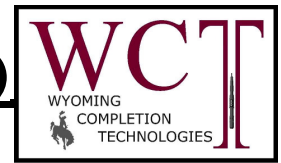
TECHNICAL DATA

PRODUCT #	CASING				TOOL/ COMBO
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43HMA	4-1/2 114.30	4.153 105.486	3.806 96.672	9.5 - 15.5 14.1 - 23.07	3.562 90.475
45HMA	5-1/2 139.70	5.044 128.12	4.670 118.62	13 - 23 19.35 - 34.23	4.310 109.47

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HYDRO-MECH BRIDGE PLUG (HMBP)



LENGTHS & DIAMETERS

<u>TOOL</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
43HMBPA	21.03	17.78	2.59	3.56	3.55	3.56	3.55	3.56	3.57

WYOMING COMPLETION TECHNOLOGIES, INC.

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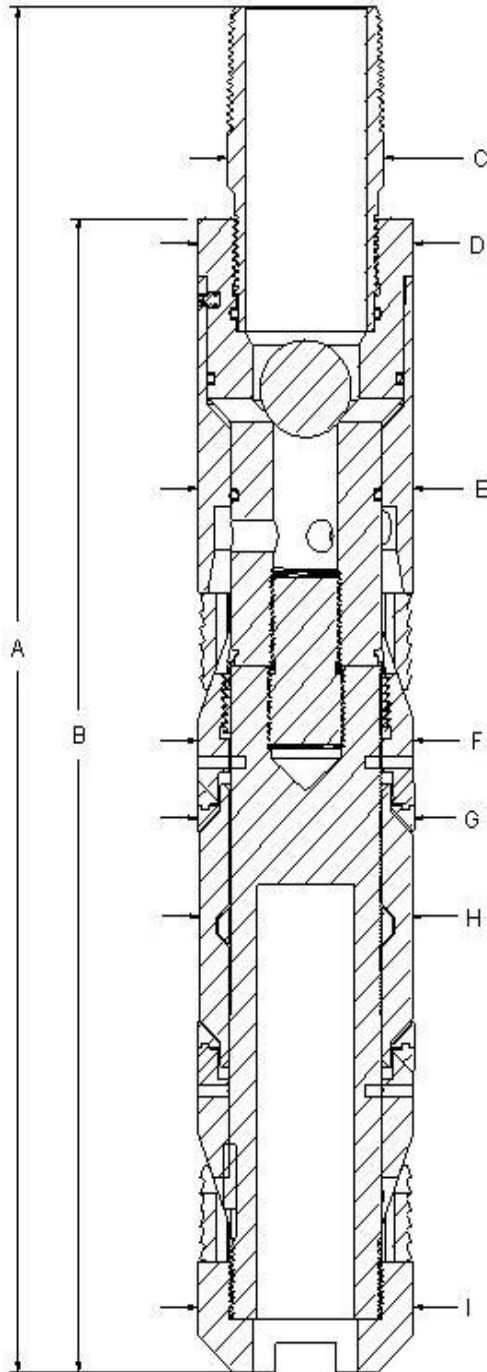
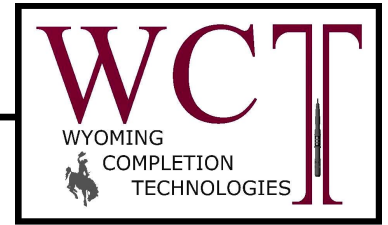
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HYDRO-MECH (HM) BRIDGE PLUG & SETTING TOOL COMBO



LENGTHS & DIAMETERS

<u>TOOL</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
43HMA	21.03	17.78	2.59	3.56	3.55	3.56	3.55	3.56	3.57
45HMA	22.97	19.11	2.60	4.36	4.35	4.31	4.31	4.25	4.31

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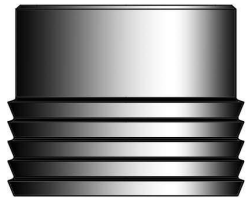
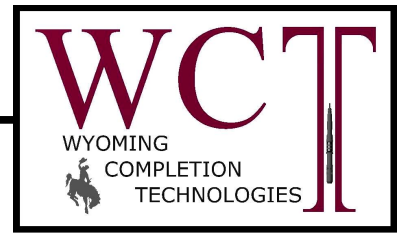
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CEMENT RETAINER - 10K

SIZES 2-3/8" – 7-5/8"



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Cement Retainer is a dependable tubing or wire-line set drillable retainer. One-piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Simple surface control valve
- Allows pressure testing before squeeze
- Valve automatically closes when the stinger is removed, locking in the squeeze pressure
- Valve protects sensitive zones in low fluid wells
- Simple conversion to bridge plug
- Mechanical or wire-line set
- Easily drilled

TECHNICAL DATA

PRODUCT # M= Mechanical W= Wire-line	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	lb/Ft Kg/m	Inches mm
*23CRAA-W	2-3/8 60.33	2.041 51.84	1.883 47.83	4 - 5.6 5.95 - 8.33	1.750 44.45
*27CRAA-W	2-7/8 73.03	2.441 62.00	2.347 59.61	6.5 - 7.8 9.67 - 10.86	2.225 56.52
*35CRAA-W	3-1/2 88.90	3.067 77.90	2.878 73.10	7.6 - 10.6 7.60 - 15.77	2.750 69.85
*35CR-A2-W	3-1/2 88.90	2.750 69.85		12.95 19.27	2.565 65.15
40CRAA-M/W	4.0 101.60	3.458 87.83	3.257 84.73	10.8 - 14.4 16.07 - 20.83	3.130 79.50
43CRAA-M/W	4-1/2 114.30	4.090 103.89	3.826 97.18	9.5 - 15.1 14.14 - 22.47	3.593 91.26
44CRAA-M/W	5 127.00	4.560 115.82	4.276 108.61	11.5 - 18 17.11 - 26.79	3.937 100.00
45CRAA-M/W	5-1/2 139.70	5.118 130.00	4.670 118.62	13 - 23 19.35 - 34.23	4.312 109.52
	5-3/4 146.05	5.116 129.95	4.795 121.79	18.4 - 26.9 27.38 - 40.03	4.312 109.52
60CRAA-M/W	6.0 152.40	5.352 135.94	5.240 133.10	20 - 22.8 29.70 - 33.93	5.115 129.92
46CRAA-M/W	6-5/8 168.28	6.135 155.83	5.575 141.61	17 - 34.5 25.30 - 51.34	5.375 136.53
47CRAA-M/W	7 177.80	6.538 166.07	6.004 152.50	17 - 35 25.30 - 52.09	5.690 144.53
47CRAA-B-M/W	7 177.80	6.800 172.72	6.330 160.78	17 - 24 25.30 - 35.72	6.000 152.40
	7-5/8 193.68			33.7 - 47.1 50.15 - 70.09	
48CRAA-M/W	7-5/8 193.68	7.125 180.98	6.625 168.28	20 - 39 29.76 - 58.04	6.312 160.32

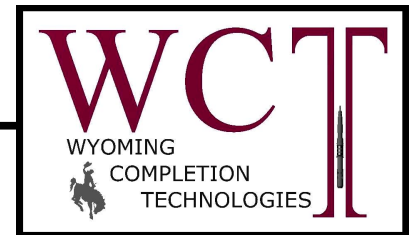
NOTE:

* - Uses a spring loaded poppet valve. All other cement retainers listed are equipped with sliding valves.

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CEMENT RETAINER - 10K

SIZES 8-5/8" – 20"



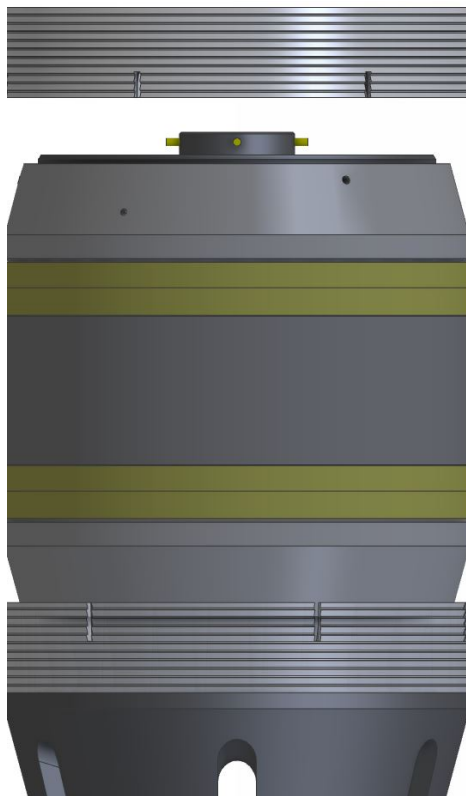
DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Cement Retainer is a dependable tubing or wire-line set drillable retainer. One-piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Simple surface control valve
- Allows pressure testing before squeeze
- Valve automatically closes when the stinger is removed, locking in the squeeze pressure
- Valve protects sensitive zones in low fluid wells
- Simple conversion to bridge plug
- Mechanical or wire-line set
- Easily drilled

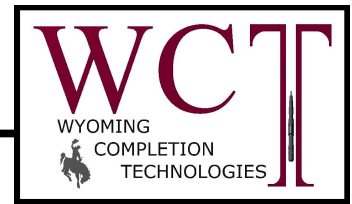
TECHNICAL DATA



**20" WIRELINE
CEMENT RETAINER**

PRODUCT # M= Mechanical W= Wire-line	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
49CRAA-M/W	8-5/8 219.08	8.097 205.66	7.125 180.98	24 – 49 35.72 – 72.92	7.125 180.98
51CRAA-M/W	9-5/8 244.48	9.063 230.20	8.375 212.73	29.3 – 61.1 43.60 – 90.93	8.125 206.38
53CRAA-M/W-A1	10-3/4 273.05	9.979 253.47	9.112 231.44	51 - 79.2 75.89 - 117.86	9.030 229.36
53CRAA-M/W		10.192 258.88	9.660 245.36	32.75 – 60.7 48.74 – 90.33	9.440 239.78
54CRAA-M/W	11-3/4 298.45	11.150 283.21	10.772 273.61	38 – 60 56.55 – 89.29	10.440 265.18
55CRAA-M/W	13-3/8 339.73	12.715 322.96	12.347 313.61	48 – 72 71.43 – 107.15	12.000 304.80
57CRAA-M/W	16 406.40	15.250 387.35	14.438 366.73	65 – 128 96.73 – 190.49	14.125 358.78
58CRAA-M/W	18-5/8 473.08	18.000 457.20	17.480 443.99	87.5 130.21	17.125 434.98
59CRAA-M/W	20 508.00	19.124 485.75	18.730 475.74	94 - 133 139.89 - 197.93	18.375 466.73

CEMENT RETAINER - 5K



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES 5K Cement Retainer is a dependable tubing or wire-line set drillable retainer. One piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Simple surface control valve
- Allows pressure testing before squeeze
- Valve automatically closes when the stinger is removed, locking in the squeeze pressure
- Valve protects sensitive zones in low fluid wells
- Simple conversion to bridge plug
- Mechanical or wire-line set
- Easily drilled

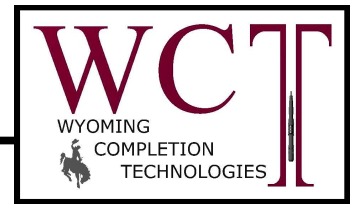
TECHNICAL DATA

PRODUCT # M/W	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43CRAA-M/W-5K	4-1/2 114.3	4.09 103.88	3.82 97.18	9.5 – 15.1 14.1 – 22.5	3.61 91.7
45CRAA-M/W-5K	5-1/2 139.7	5.04 128.11	4.67 118.61	13 23 19.5 – 34.2	4.31 109.5

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CEMENT RETAINER – FLAPPER VALVE



43CRFV-M SHOWN

FLAPPER VALVE

DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Flapper Valve Style Cement Retainer is a dependable tubing set drillable retainer. One piece heat-treated slaps provide secure setting. The Flap Valve prevents back flow of well fluids in the event of failure or damage of tubing string or surface equipment.

FEATURES/BENEFITS

- Simple surface control valve
- Allows annulus only test.
- Mechanical set
- Easily drilled
- Path through the flapper cartridge does not restrict the pass of balls or darts

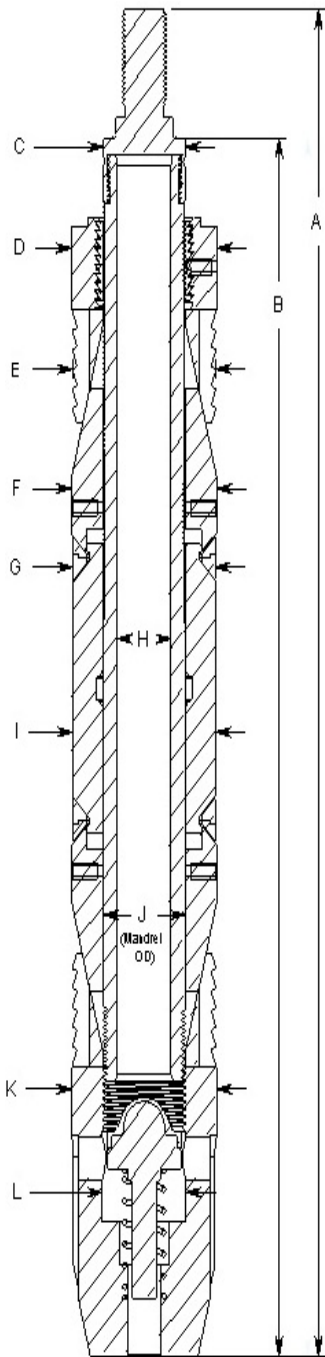
TECHNICAL DATA

PRODUCT #	CASING				TOOL	STINGER	STINGER
	OD	ID MAX.	ID MIN.	Weight	OD	PART	ID
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm	#	Inches mm
43CRFV-M	4-1/2 114.30	4.090 103.89	3.820 97.03	9.5 – 15.1 14.14 – 22.47	3.61 91.69	23SSA	.75 19.05
45CRFV-M	5-1/2 139.70	5.044 128.12	4.670 118.62	13 – 23 19.35 – 34.23	4.31 109.47	23SSA	.75 19.05
47CRFV-M	7 177.80	6.530 165.86	6.00 152.40	17 – 35 25.30 – 52.09	5.69 144.53	27SSA	1.12 28.45
49CRFV-M	8-5/8 219.08	8.090 205.49	7.430 188.72	24 - 52 35.72 - 77.38	7.12 180.85	27SSA	1.12 28.45
51CRFV-M	9-5/8 244.48	9.060 230.12	8.370 212.60	29.3 - 61.1 43.60 - 90.93	8.12 206.25	27SSA	1.12 28.45
53CRFV-M	10-3/4 273.05	10.192 258.88	9.660 245.36	32.7 - 60.7 48.66 - 90.33	9.44 239.78	27SSA	1.12 28.45
54CRFV-M	11-3/4 298.45	11.150 283.21	10.772 273.61	38 - 60 56.55 - 89.29	10.43 264.92	27SSA	1.12 28.45
55CRFV-M	13-3/8 339.73	12.715 322.96	12.191 309.65	48 - 72 71.43 - 107.15	12.00 304.80	27SSA	1.12 28.45

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2-3/8" – 3-1/2" CEMENT RETAINERS LENGTHS & DIAMETERS



TECHNICAL DATA

PRODUCT #	SIZE	MEASUREMENT											
		A	B	C	D	E	F	G	H	I	J	K	L
23CRAA-W	2-3/8 60.33	12.79	11.55	1.03	1.75	1.80	1.75	1.79	.68	1.80	1.03	1.75	1.20
27CRAA-W	2-7/8 73.0	15.70	14.20	1.25	2.23	2.20	2.22	2.18	.82	2.19	1.25	2.22	1.28
35CRAA-W	3-1/2 88.9	16.61	14.24	1.50	2.75	2.69	2.75	2.68	.81	2.70	1.49	2.75	1.53
35CR-A2-W	3-1/2 88.9	16.61	14.15	1.50	2.75	2.54	2.57	2.55	.81	2.55	1.50	2.57	1.53

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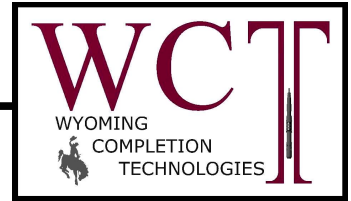
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Email: sales@wyomingcompletions.com

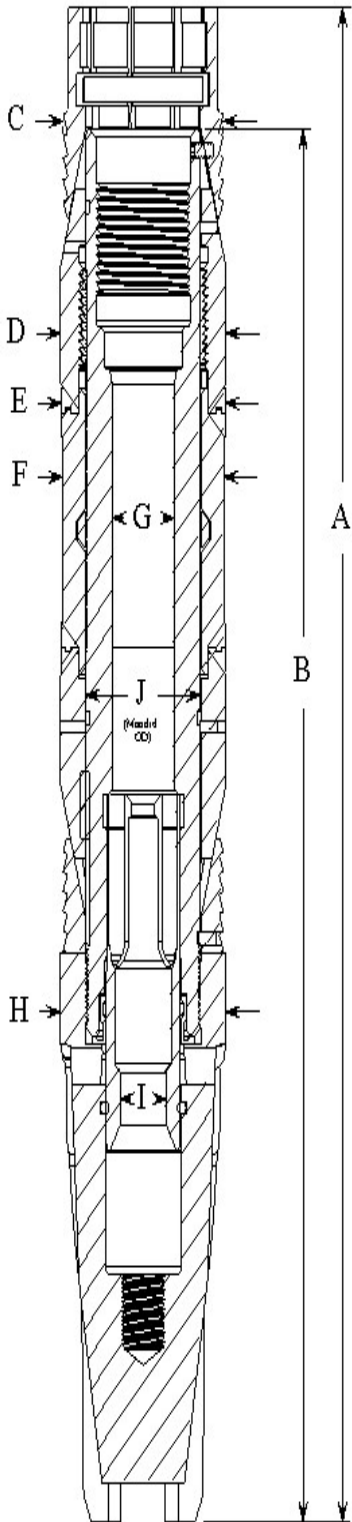
Website: www.wyomingcompletions.com

CEMENT RETAINER



4-1/2" - 20" CEMENT RETAINERS LENGTH & DIAMETERS

TECHNICAL DATA



PRODUCT #	SIZE Inches/ mm	MEASUREMENT									
		A M/W	B	C	D	E	F	G	H	I	J
43CRAA-M/W	4-1/2 114.30	22.93/ 21.61	21.15	3.49	3.61	3.57	3.52	1.35	3.59	1.00	2.495
44CRAA-M/W	5.0 127.00	22.93/ 21.61	21.15	3.88	3.93	3.89	3.90	1.35	3.86	1.00	2.495
45CRAA-M/W	5-1/2 139.70	22.29/ 20.94	20.50	4.30	4.31	4.31	4.25	1.35	4.31	1.00	2.615
46CRAA-M/W	6-5/8 168.28	24.65/ 23.57	22.88	5.31	5.38	5.34	5.25	2.02	5.38	1.51	3.745
47CRAA-M/W	7.0 177.80	24.54/ 23.15	22.82	5.63	5.69	5.64	5.62	2.02	5.69	1.51	3.745
47CRAA-B-M/W	7.0 177.80	24.54/ 23.15	22.82	5.93	6.00	5.95	5.93	2.02	6.00	1.51	3.745
48CRAA-M/W	7-5/8 193.68	25.50/ 23.22	22.70	6.25	6.31	6.26	6.26	2.02	6.32	1.51	4.370
49CRAA-M/W	8-5/8 219.08	26.55/ 24.24	22.87	7.07	7.13	7.11	7.13	2.02	7.13	1.51	3.745
51CRAA-M/W	9-5/8 244.48	26.11/ 23.94	22.85	8.07	8.13	8.12	8.12	2.02	8.13	1.51	4.365
53CRAA-M/W	10-3/4 273.05	26.48/ 24.23	22.79	9.38	9.44	9.44	9.42	2.02	9.44	1.51	4.365
53CRAA-M/W-A1	10-3/4 273.05	26.48/ 24.23	22.79	9.00	9.03	9.03	9.00	2.02	9.029	1.51	4.365
54CRAA-M/W	11-3/4 298.45	25.84/ 24.02	22.85	10.37	11.99	10.43	11.92	2.02	10.43	1.51	4.365
55CRAA-M/W	13-3/8 339.73	26.44/ 24.26	22.87	11.96	11.99	12.00	11.92	2.02	11.99	1.51	4.365
57CRAA-M/W	16.0 406.40	29.56/ 27.52	25.95	14.09	14.12	14.11	14.09	2.02	14.12	1.51	4.50
58CRAA-M/W	18-5/8 473.08	29.43/ 27.33	25.88	16.77	16.80	16.79	16.77	2.02	16.80	1.51	4.50
59CRAA-M/W	20.0 508.00	29.58/ 27.59	25.88	18.07	18.10	18.09	18.07	2.02	18.10	1.51	4.50

NOTE:

On Smaller Sizes (43-47)
J (Inner Mandrel OD)
H (Guide OD)

On Larger Sizes (49-59)
J (Inner Mandrel OD)
H (Outer Mandrel OD)

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TAILPIPE ADAPTER - CEMENT RETAINER



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Tailpipe Adapter assists in cementing operations. The adapter attaches to the cement retainer which provides the threading for tubing to be attached. By adding tubing cementing operations can be extended downhole.

FEATURES/BENEFITS

- Redirects cement to the bottom of attached tubing allowing full coverage during the squeeze.
- Drillable
- Cost effective, eliminates need for more costly and complicated tools.

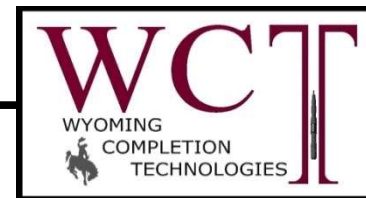
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX	ID MIN	WEIGHT	OD
	Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>	Lb/Ft <i>Kg/m</i>	Inches <i>mm</i>
43TPA	4-1/2 <i>114.3</i>	4.090 <i>103.89</i>	3.820 <i>97.03</i>	9.5 - 15.1 <i>14.14 - 22.47</i>	3.61 <i>91.694</i>

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RETAINER WIRELINE ADAPTER



RWA with Cement Retainer

DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Retainer Wireline Adapter Kit is used to couple an electric line or hydraulic setting tool assembly to a cement retainer or Type-A cast iron bridge plug. The kit provides a setting sleeve, adjuster sub, tension mandrel, and drive pin.

FEATURES/BENEFITS

- Compatible with standard wireline pressure setting tools or many hydraulic setting tools.

TECHNICAL DATA

PRODUCT #	TOOL DIMENSIONS		
	O.D.	I.D.	LENGTH
	Inch/mm	Inch/mm	Inch/mm
23RWA	1.74	1.54	6.750
	44.20	39.12	171.45
27RWA	2.22	1.75	7.00
	56.64	44.45	177.80
35RWA	2.75	2.53	7.00
	69.85	64.14	177.80
35RWA-A2	2.58	2.28	7.00
	65.53	57.91	177.80
43RWA	3.5	2.87	12-7/8
	88.90	72.90	327.03
45RWA	4.31	3-1/4	12-1/2
	109.47	82.55	317.50
60RWA	5.12	4.67	10-1/2
	130.05	118.62	266.70
47RWA	5.37	4.67	10-1/2
	136.40	118.62	266.70
48RWA	6.31	5.51	10-1/2
	160.27	139.95	266.70
49RWA	6.995	6.38	10-1/2
	177.67	162.05	266.70
51RWA	7.99	7.0	10-1/2
	202.95	177.80	266.70
53RWA-A1	9.00	7.93	9-1/4
	228.60	201.42	234.95
53RWA	9.43	8.25	9-1/4
	239.52	201.42	234.95
54RWA	10.43	9.25	9-1/4
	264.92	209.55	234.95
55RWA	11.99	10.8	9-1/4
	304.55	274.32	234.95
57RWA	14.12	12.93	9.30
	358.65	328.42	236.22

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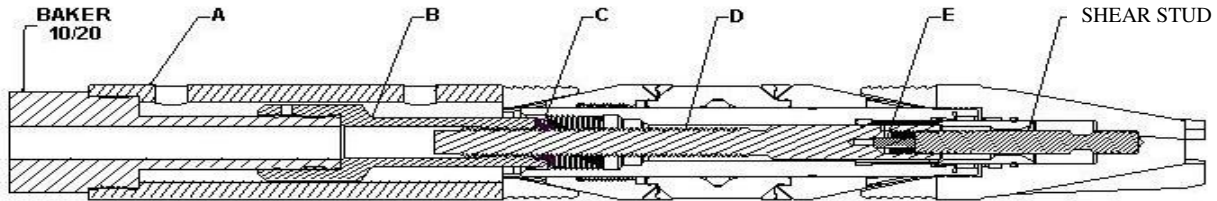
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Website: www.wyomingcompletions.com

RETAINER WIRELINE ADAPTER

For Type-A Bridge Plugs and Cement Retainers



PRODUCTS AND PARTS LIST

TYPE-A BRIDGE PLUG / CEMENT RETAINER	PRODUCT #	SET TOOL	CASING				PARTS				
			OD	ID MAX.	ID MIN.	Weight	A	B	C	D	E
			Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>	Lb/Ft <i>Kg/m</i>	SLEEVE	TENSION SUB	SAFETY SPRING	TENSION MANDREL	DRIVE PIN
23CPAA/ 23CRAA	23RWA	BAKER 5	2-3/8 60.33	2.074 52.68	1.780 45.21	4 - 5.8 5.95 - 8.63	23RWA01	N/A	N/A	23RWA03	N/A
27CPAA/ 27CRAA	27RWA		2-7/8 73.03	N/A	N/A	6.4 - 7.8 9.5 - 11.6	27RWA01				
35CPAA/ 35CRAA	35RWA 35RWA-A2		3-1/2 88.90	3.258 82.75	2.867 72.82	5.75 - 10.3 8.6 - 15.3	35RWA01 35RWA01-A2				
43CPAA/ 43CRAA	43RWA	BAKER 10	4-1/2 114.30	4.09 103.88	3.82 97.03	9.5 - 13.5 14.1 - 20.1	43RWA01	43CP02	43RWA03	DP01	
44CPAA/ 44CRAA			5 127.00	4.56 115.82	4.27 108.60	11.5 - 18 17.1 - 26.8					
45CPAA/ 45CRAA	45RWA	BAKER 20	5-1/2 139.70	5.04 128.11	4.67 118.60	13 - 23 19.5 - 34.2	45RWA01	45RWA02	45CP02	45RWA03	DP01
46CPAA/ 46CRAA	47RWA		6-5/8 168.30	6.13 409.82	5.60 142.20	17 - 34.5 25.3 - 50.6	47RWA01				
47CPAA/ 47CRAA			7 177.80	6.53 166.06	6.00 152.40	17 - 35 25.3 - 52.1					
48CPAA/ 48CRAA	48RWA		7-5/8 193.70	7.25 180.97	6.62 168.14	20 - 39 29.8 - 58.0	48RWA01				
49CPAA/ 49CRAA	49RWA		8-5/8 219.10	8.09 205.66	7.43 188.72	24 - 52 35.7 - 77.4	49RWA01				
51CPAA/ 51CRAA	51RWA		9-5/8 244.50	9.06 230.20	8.37 212.59	29.3 - 61.1 43.6 - 90.9	51RWA01				
53CPAA/ 53CRAA	53RWA		10-3/4 273.10	10.192 258.87	9.66 245.36	32.7 - 51.0 48.7 - 75.9	53RWA01				
54CPAA/ 54CRAA	54RWA		11-3/4 298.45	11.15 283.21	10.772 273.61	38 - 65 56.6 - 96.7	54RWA01				
55CPAA/ 55CRAA	55RWA		13-3/8 339.73	12.715 323.00	12.191 309.65	48 - 72 71.4 - 107.1	55RWA01				
57CPAA/ 57CRAA	57RWA		16 406.40	14.438 366.73	15.250 387.35	65.0-128.0 96.73-190.49	57RWA01				

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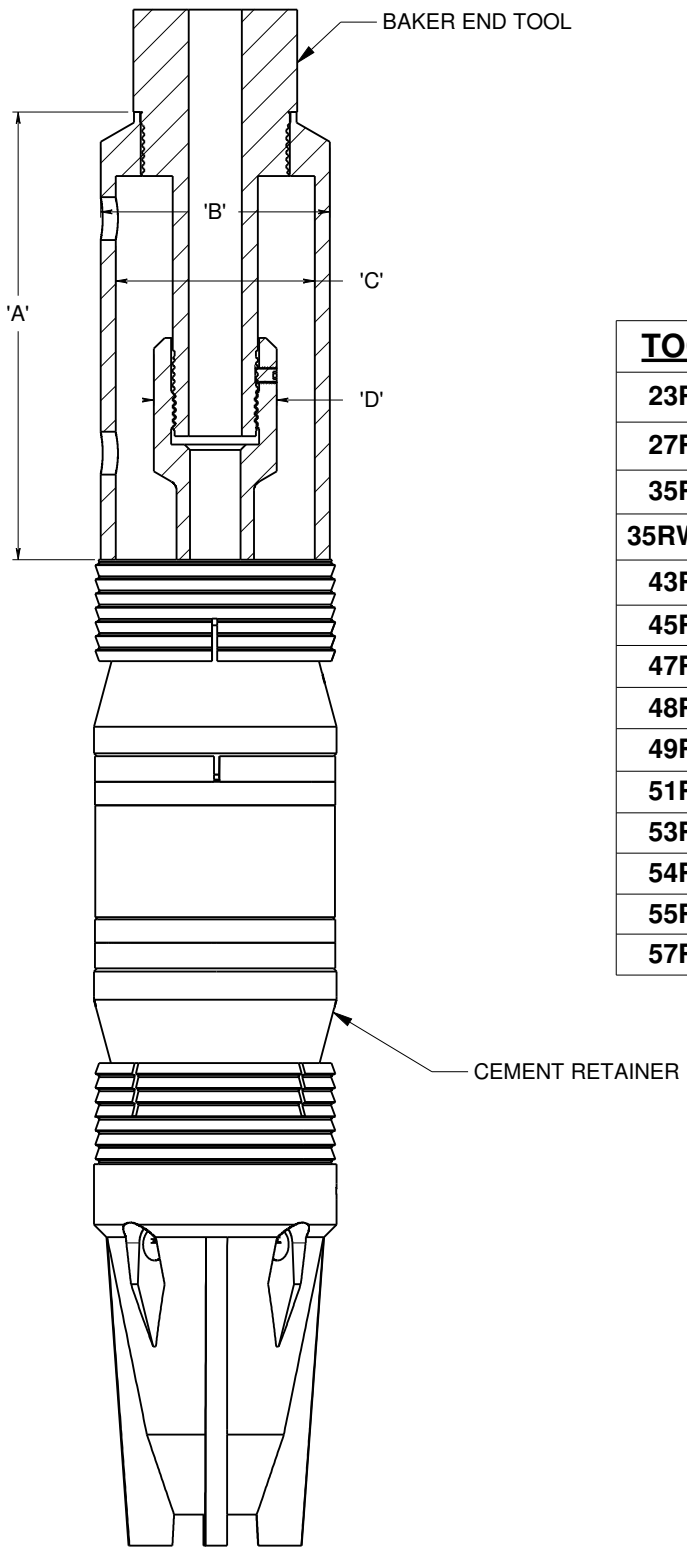
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Website: www.wyomingcompletions.com

Cement Retainer Wireline Adapter Lengths & Diameter



Part # L & D
23RWA Thru 57RWA



LENGTHS & DIAMETERS

<u>TOOL</u>	<u>"A"</u>	<u>"B"</u>	<u>"C"</u>	<u>"D"</u>
23RWA	6.75	1.74	1.54	N/A
27RWA	7.0	2.22	1.75	N/A
35RWA	7.0	2.75	2.53	N/A
35RWA-A2	7.0	2.58	2.28	N/A
43RWA	12.88	3.5	2.87	N/A
45RWA	12.50	4.31	3.25	2.88
47RWA	10.50	5.37	4.67	2.88
48RWA	10.50	6.31	5.51	2.88
49RWA	10.50	6.995	6.38	2.88
51RWA	10.50	7.99	7.00	2.88
53RWA	9.25	9.43	8.25	2.88
54RWA	9.25	10.43	9.25	2.88
55RWA	9.25	11.99	10.8	2.88
57RWA	9.3	14.12	12.93	2.88

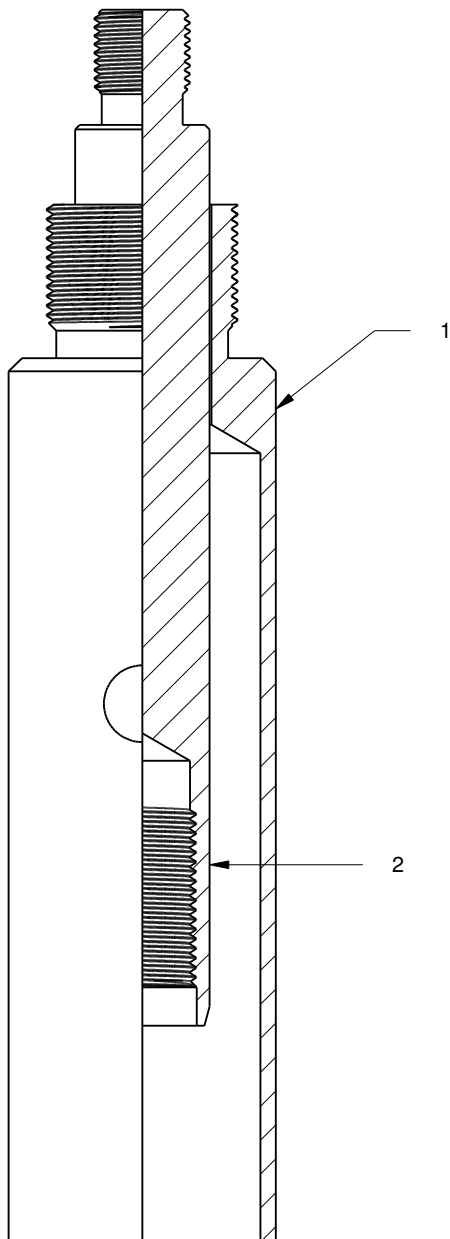
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2-3/8" RETAINER WIRELINE ADAPTER



Part #
23RWA



Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	23RWA01
2	TENSION MANDREL	1	23RWA03

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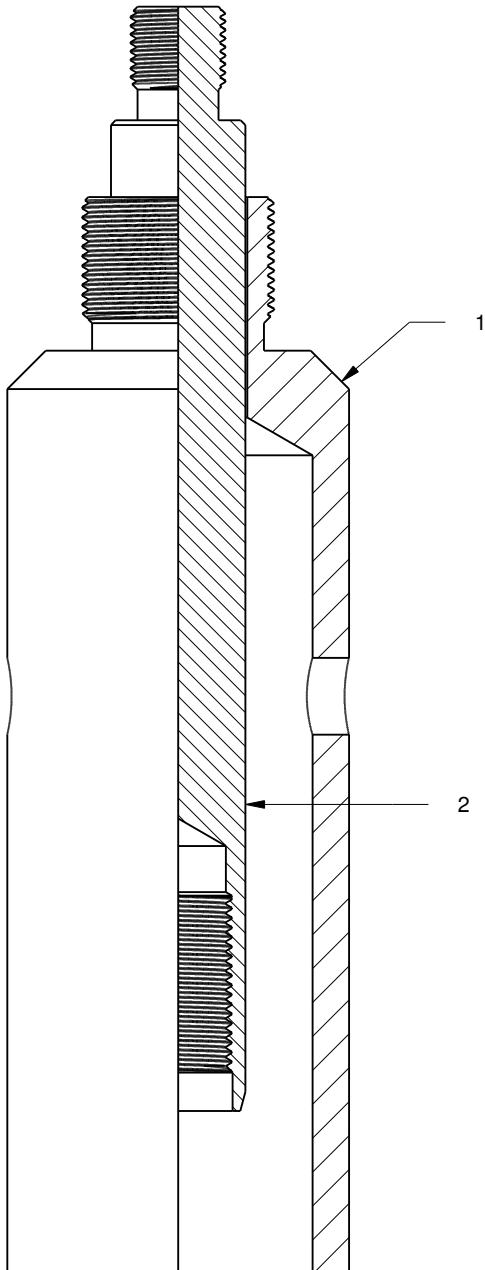
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04/17/2018-KW

2-7/8" RETAINER WIRELINE ADAPTER



Part #
27RWA



Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	27RWA01
2	TENSION MANDREL	1	27RWA03

WYOMING COMPLETION TECHNOLOGIES, INC.

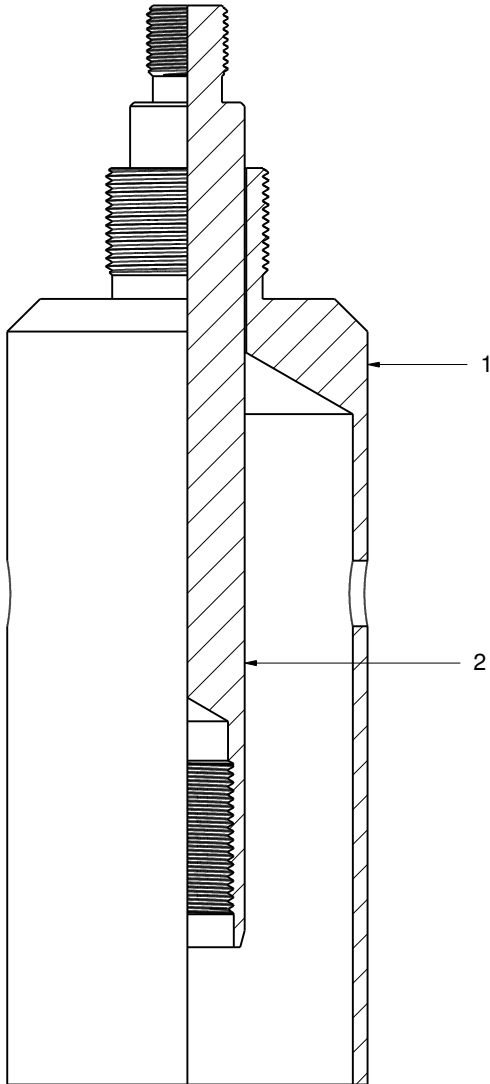
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Website: wyomingcompletions.com

04/17/2018 - KW

3 1/2" RETAINER WIRELINE ADAPTER



Part #
35RWA



Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	35RWA01
2	TENSION MANDREL	1	27RWA03

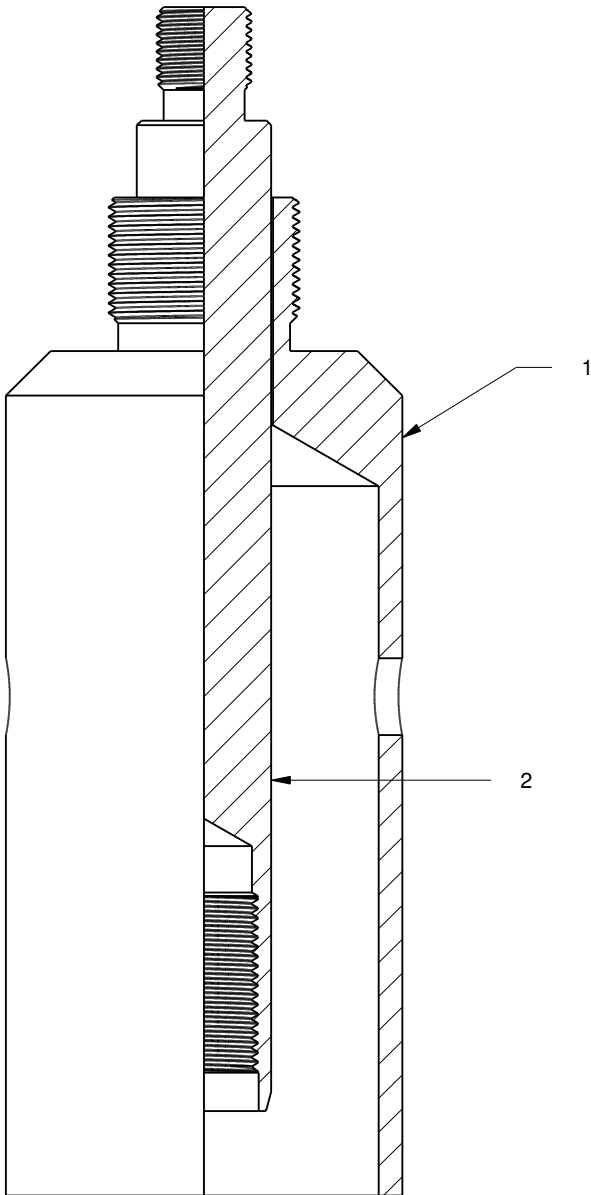
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3-1/2" RETAINER WIRELINE ADAPTER - A2



Part #
35RWA-A2



Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	35RWA01-A2
2	TENSION MANDREL	1	27RWA03

WYOMING COMPLETION TECHNOLOGIES, INC.

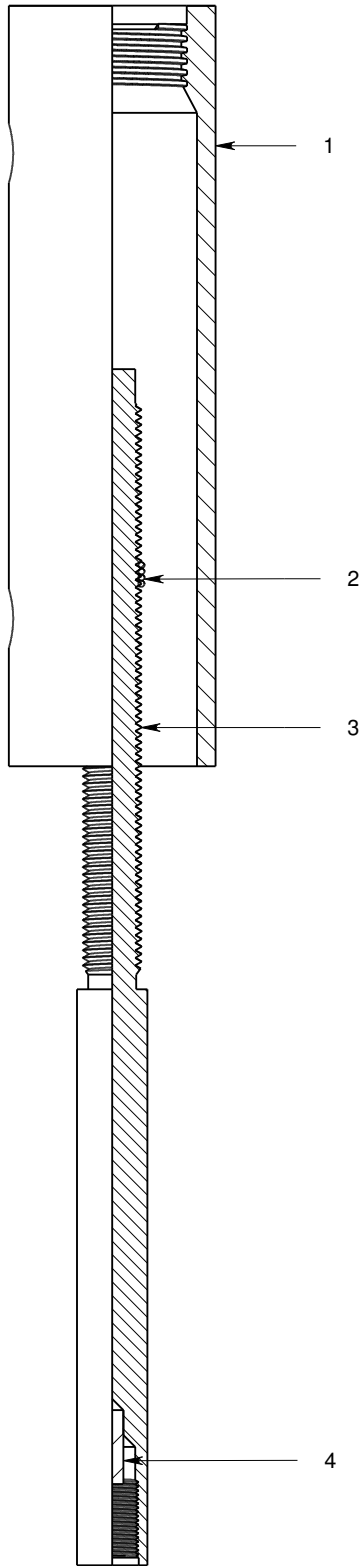
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Website: wyomingcompletions.com

04/17/2018-KW

4-1/2" CEMENT RETAINER WIRELINE ADAPTER



Part #
43RWA



43RWA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	43RWA01
2	SAFETY SPRING	1	43CP02
3	TENSION MANDREL	1	43RWA03
4	DRIVE PIN	1	DP01

WYOMING COMPLETION TECHNOLOGIES, INC.

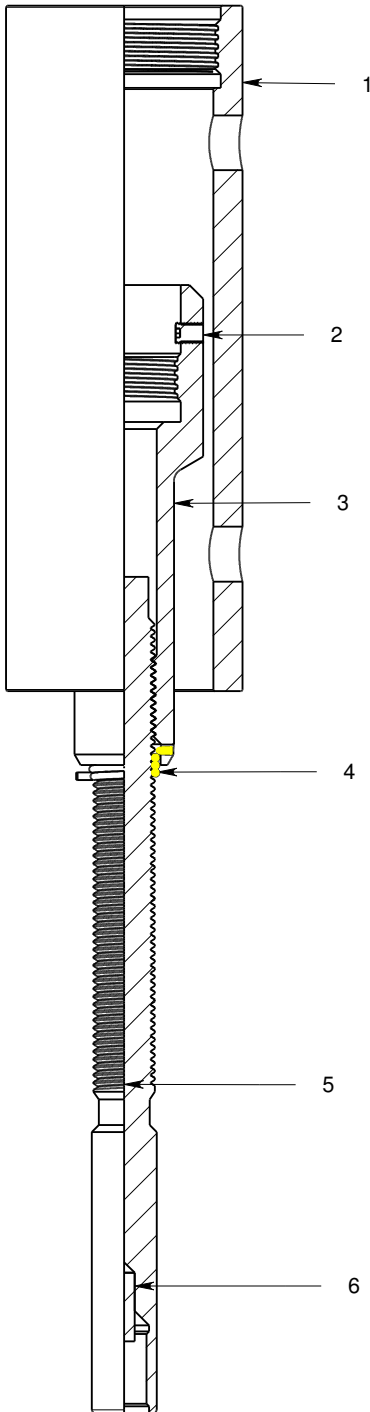
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04/17/2018 - KW

5-1/2" Cement Retainer Wireline Adapter



Part #
45RWA



45RWA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	45RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	45RWA03
6	DRIVE PIN	1	DP01

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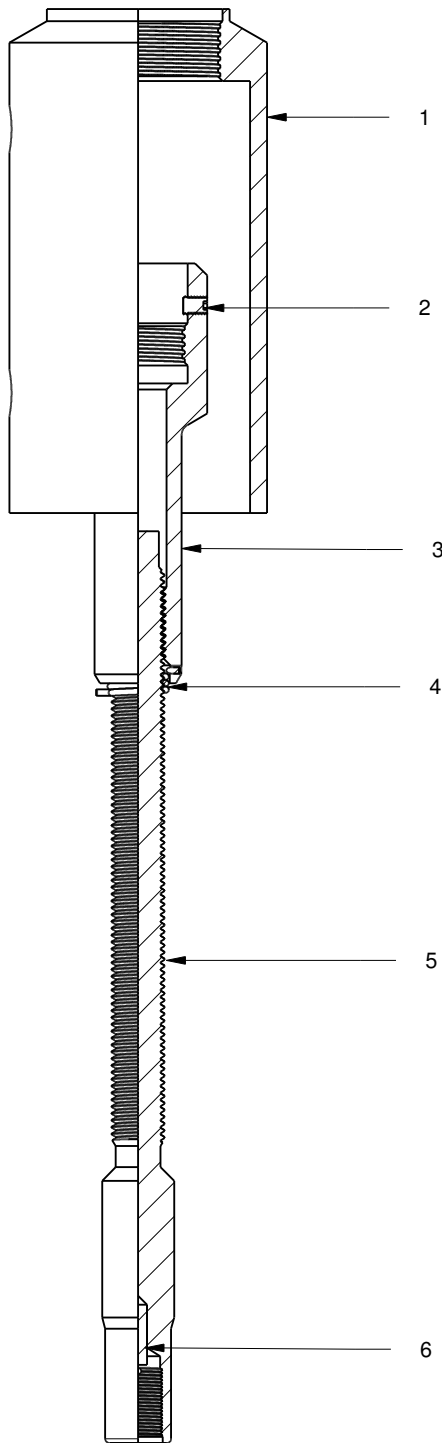
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04/17/2018 - KW

7" CEMENT RETAINER WIRELINE ADAPTER



Part #
47RWA



47RWA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	47RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	47RWA03
6	DRIVE PIN	1	DP01

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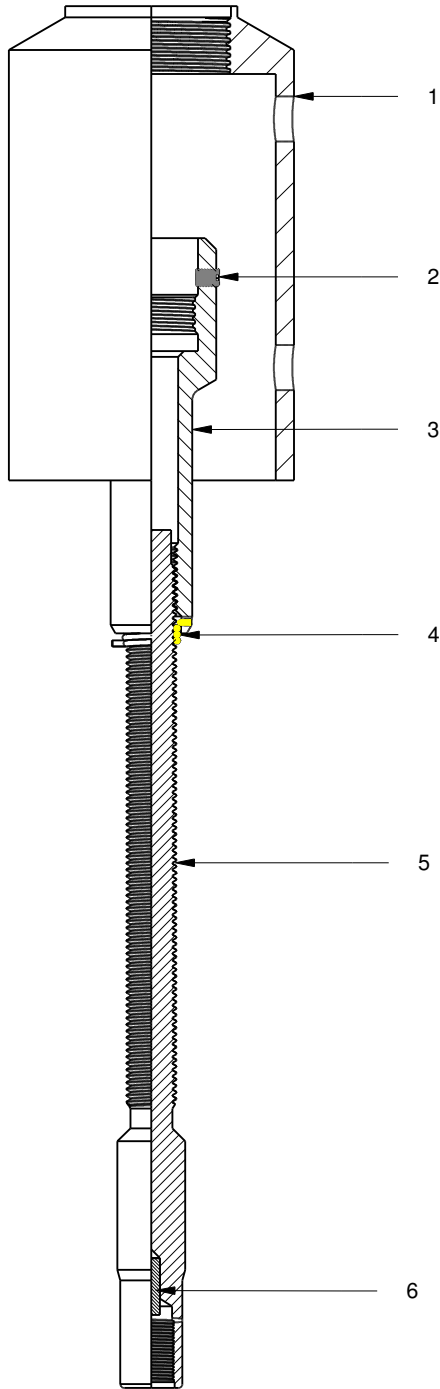
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04/17/2018-KW

7-5/8" CEMENT RETAINER WIRELINE ADAPTER



Part #
48RWA



48RWA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	48RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	47RWA03
6	DRIVE PIN	1	DP01

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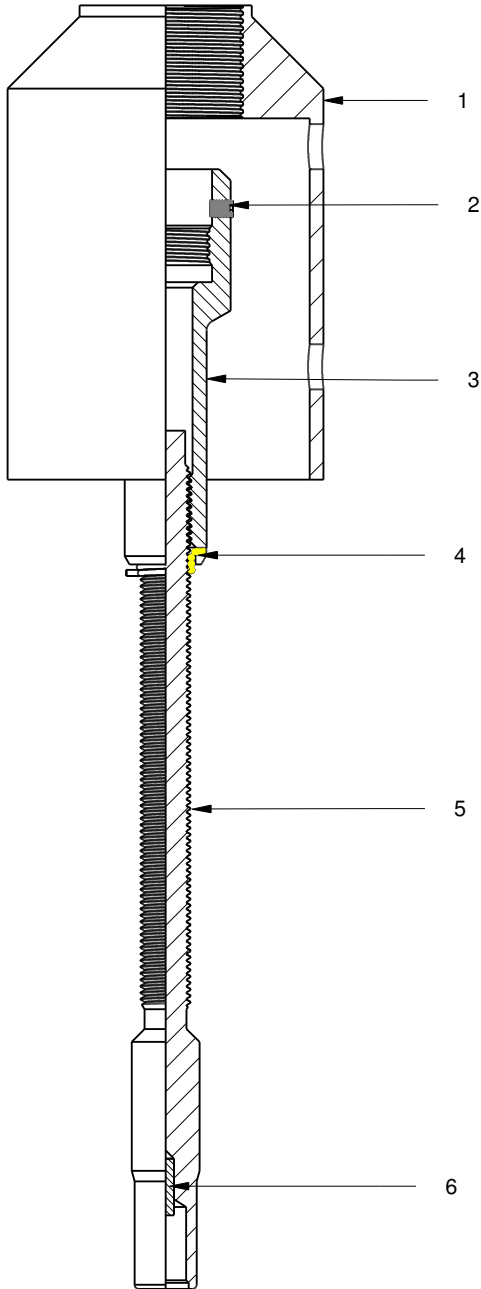
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04/17/2018 - KW

8-5/8" CEMENT RETAINER WIRELINE ADAPTER



Part #
49RWA



49RWA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	49RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	47RWA03
6	DRIVE PIN	1	DP01

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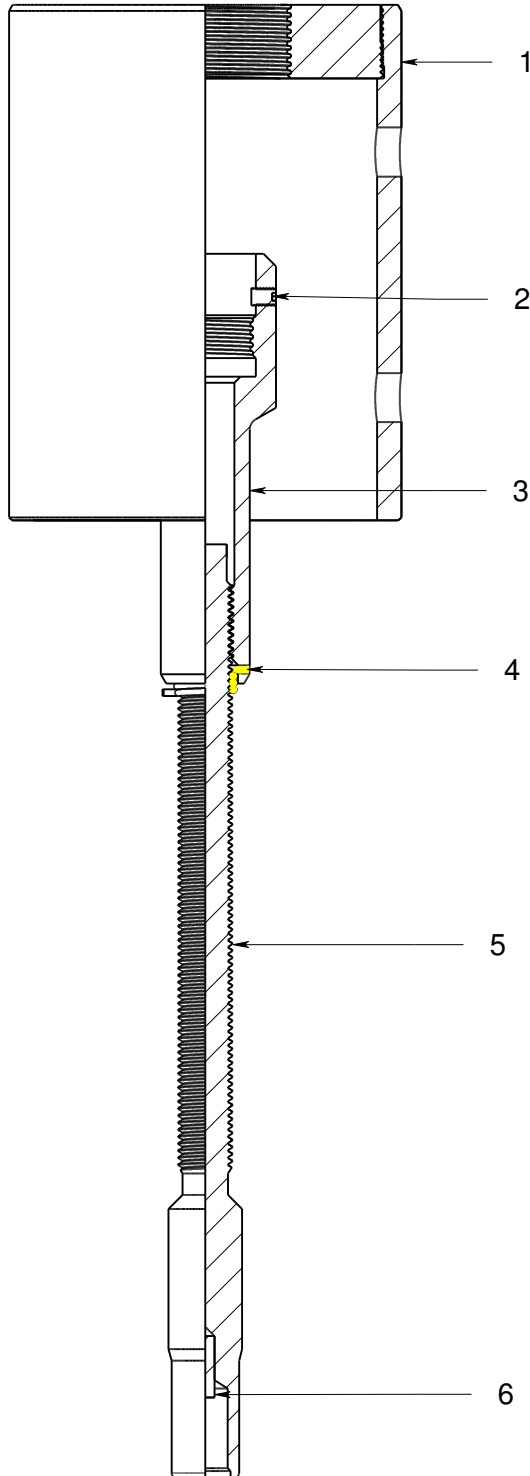
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04/17/2018-KW

9-5/8" Cement Retainer Wireline Adapter



Part #
51RWA



51RWA PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	SETTING SLEEVE	1	51RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	47RWA03
6	DRIVE PIN	1	DP01

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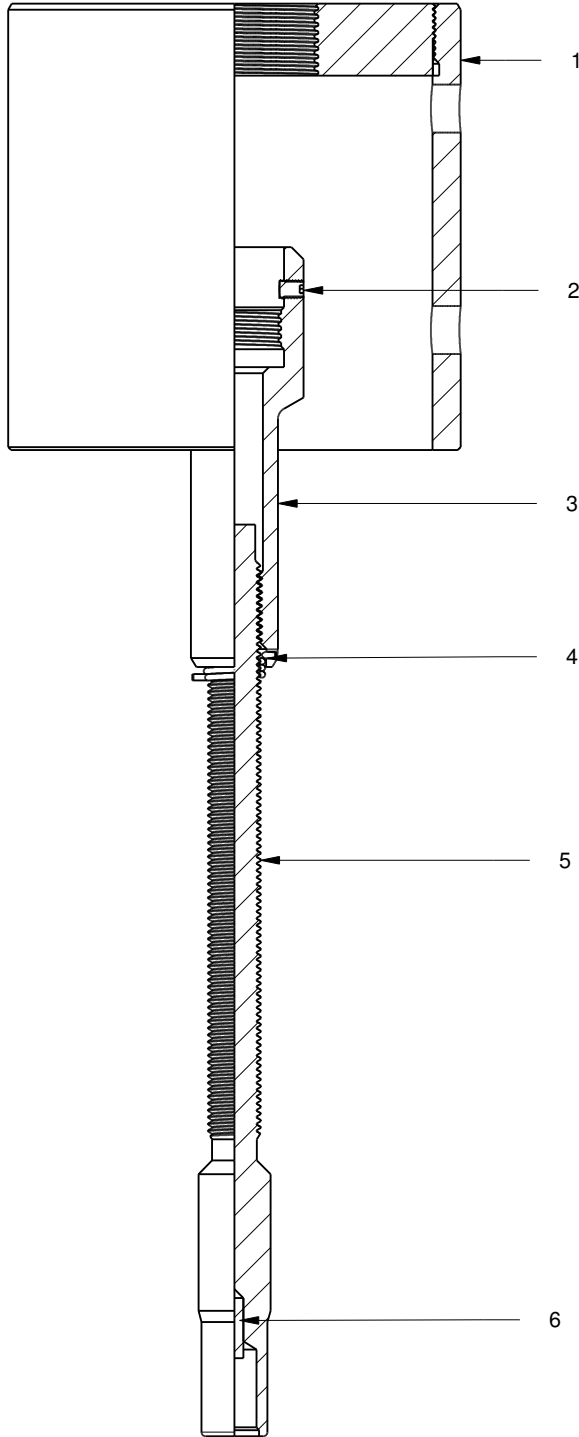
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04/17/2018-KW

10-3/4" Cement Retainer Wireline Adapter



Part #
53RWA



53RWA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	53RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	47RWA03
6	DRIVE PIN	1	DP01

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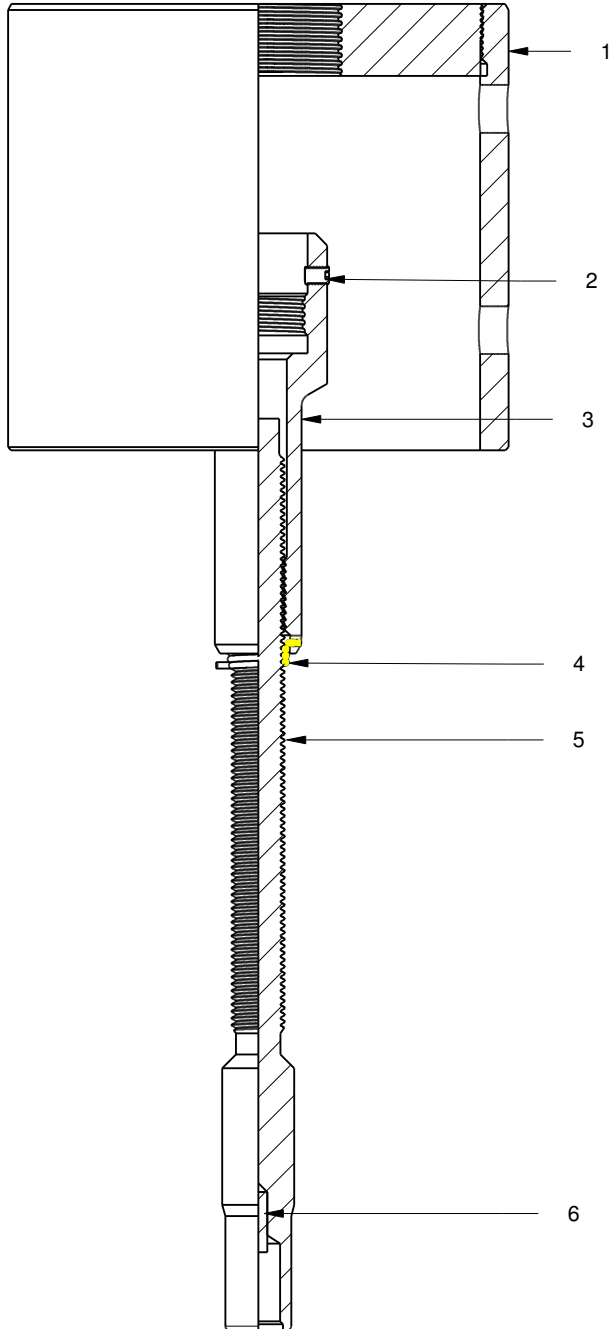
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04/17/2018 - KW

11-3/4" Cement Retainer Wireline Adapter



Part #
54RWA



54RWA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	54RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	47RWA03
6	DRIVE PIN	1	DP01

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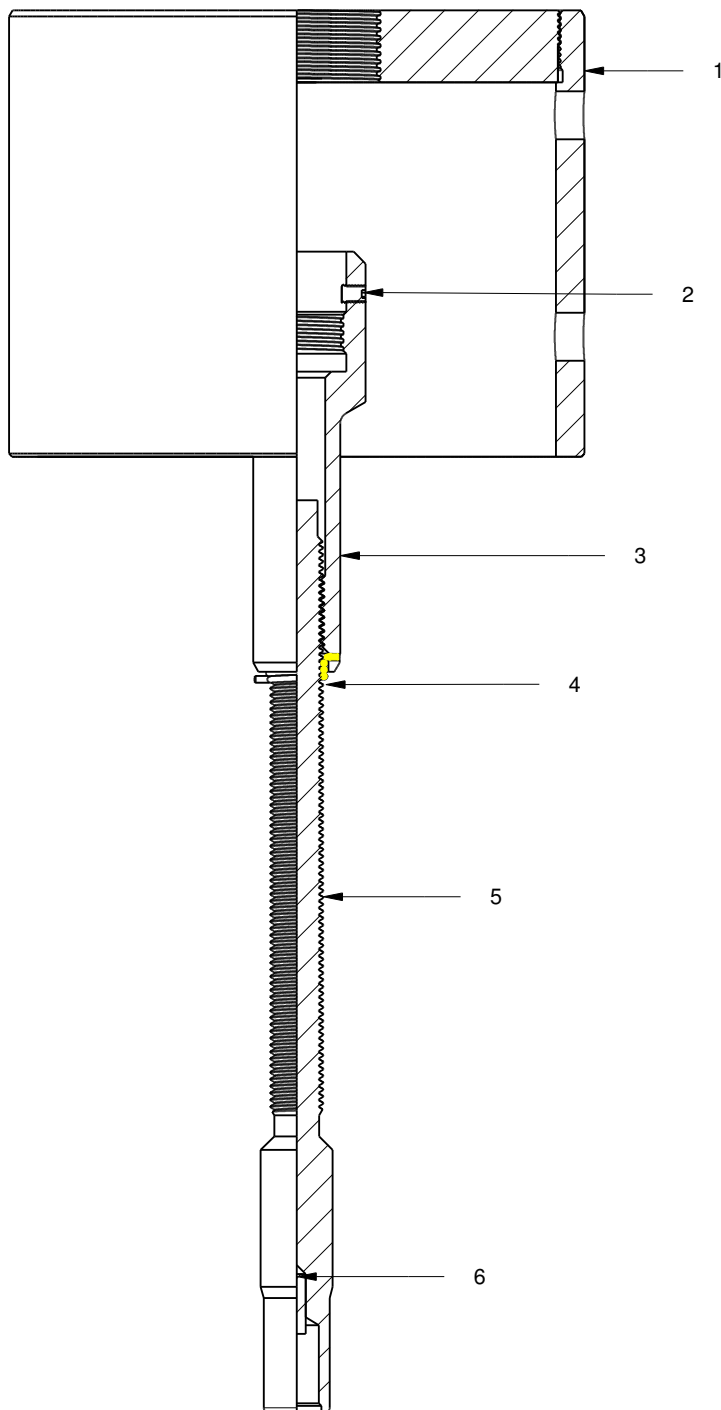
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13-3/8" CEMENT RETAINER WIRELINE ADAPTER



Part #
55RWA



55RWA PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	SETTING SLEEVE	1	55RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	47RWA03
6	DRIVE PIN	1	DP01

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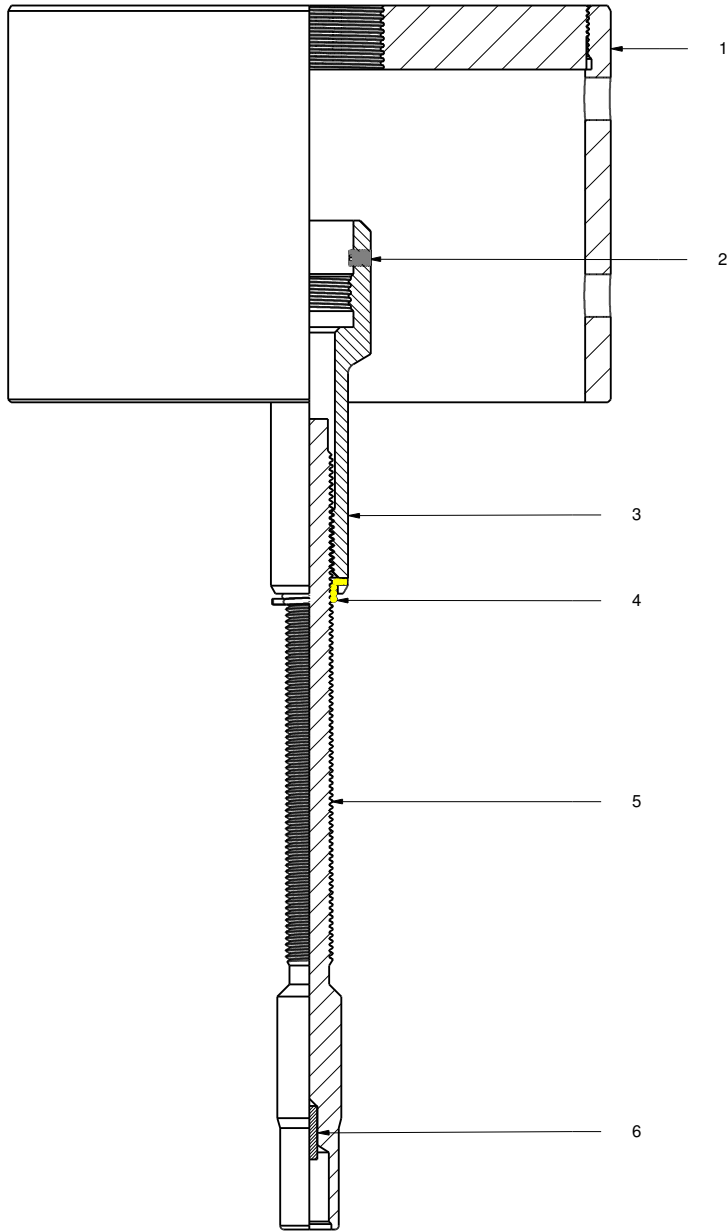
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Website: wyomingcompletions.com

04/17/2018-KW

16" Cement Retainer Wireline Adapter



Part #
57RWA



57RWA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	SETTING SLEEVE	1	57RWA01
2	SET SCREW	1	3/8-16 x 1/2
3	TENSION SUB	1	45RWA02
4	SAFETY SPRING	1	45CP02
5	TENSION MANDREL	1	47RWA03
6	DRIVE PIN	1	DP01

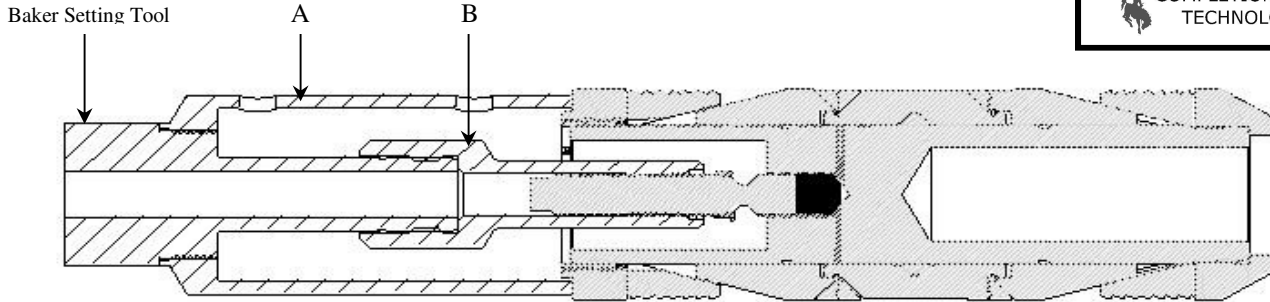
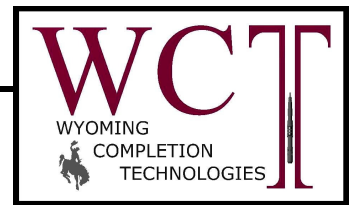
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WIRELINER ADAPTER KITS (CPAK)

For Type-B Bridge Plugs



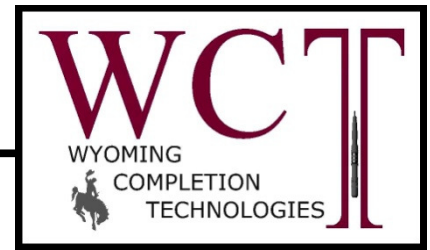
PRODUCTS AND PARTS LIST

TYPE-B BRIDGE PLUG	WIRELINER ADAPTER KIT PRODUCT #	SET TOOL	CASING				PARTS		
			OD	ID MAX.	ID MIN.	Weight	A	B	
			Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>	Lb/Ft <i>Kg/m</i>	SLEEVE	TENSION SUB	
23CPAA	23CPAK	BAKER 5	2-3/8 60.33	2.074 52.68	1.780 45.21	4 - 5.8 5.95 - 8.63	23RWA01	N/A	
27CPAA	27CPAK		2-7/8 73.03	N/A	N/A	6.4 - 7.8 9.5 - 11.6	27RWA01		
35CPAA	35CPAK		3-1/2 88.90	3.258 82.75	2.867 72.82	5.75 - 10.3 8.6 - 15.3	35RWA01		
35CP-A2	35CPAK-A2		3-1/2 88.90	2.75 69.85		12.95 19.27	35RWA01-A2		
43CPAA	43CPAK	BAKER 10	4-1/2 114.30	4.09 103.88	3.82 97.03	9.5 - 13.5 14.1 - 20.1	43RWA01		
44CPAA	44CPAK		5 127.00	4.56 115.82	4.27 108.60	11.5 - 18 17.1 - 26.8			
45CPAA	45CPAK	BAKER 20	5-1/2 139.70	5.04 128.11	4.67 118.60	13 - 23 19.5 - 34.2	45RWA01		45RWA02
46CPAA	47CPAK		6-5/8 168.30	6.13 409.82	5.60 142.20	17 - 34.5 25.3 - 50.6	47RWA01		
47CPAA			7 177.80	6.53 166.06	6.00 152.40	17 - 35 25.3 - 52.1			
48CPAA	48CPAK		7-5/8 193.70	7.25 180.97	6.62 168.14	20 - 39 29.8 - 58.0	48RWA01		
49CPAA	49CPAK		8-5/8 219.10	8.09 205.66	7.43 188.72	24 - 52 35.7 - 77.4	49RWA01		
51CPAA	51CPAK		9-5/8 244.50	9.06 230.20	8.37 212.59	29.3 - 61.1 43.6 - 90.9	51RWA01 51RWA05		
53CPAA	53CPAK		10-3/4 273.10	10.192 258.87	9.66 245.36	32.7 - 51.0 48.7 - 75.9	53RWA01 53RWA05		
54CPAA	54CPAK		11-3/4 298.45	11.15 283.21	10.772 273.61	38 - 65 56.6 - 96.7	54RWA01 54RWA05		
55CPAA	55CPAK		13-3/8 339.73	12.715 323.00	12.191 309.65	48 - 72 71.4 - 107.1	55RWA01 55RWA05		
57CPAA	57CPAK		16 406.40	14.438 366.73	15.250 387.35	65.0-128.0 96.73-190.49	57RWA01 57RWA05		

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Website: www.wyomingcompletions.com

RETAINER WIRELINE ADAPTER-GO



4-1/2" RWA-GO

DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES G O Wireline Adapter is used to couple an electric line or hydraulic setting tool assembly to a cement retainer or Type 'A' cast iron bridge plug using GO setting equipment.

FEATURES/BENEFITS

- Compatible with GO wireline pressure setting equipment.

TECHNICAL DATA

PRODUCT #	TOOL	ADAPTER KIT	TOOL
	OD	FITS RETAINER	OD
	Inches <i>mm</i>	PART #	Inches <i>mm</i>
23RWA-G	2-3/8 60.33	23CRAA	2.0 50.8
27RWA-G	2-7/8 73.03	27CRAA	2.13 53.98
35RWA-G	3-1/2 88.90	35CRAA	2.75 69.85
43RWA-G	4-1/2 114.30	43CP 43CRAA	3.75 95.25
45RWA-G	5-1/2 139.70	45CP 45CRAA	4.5 114.30
45RWA-G2			
47RWA-G	7.0 177.80	47CP 47CRAA	5.37 136.40

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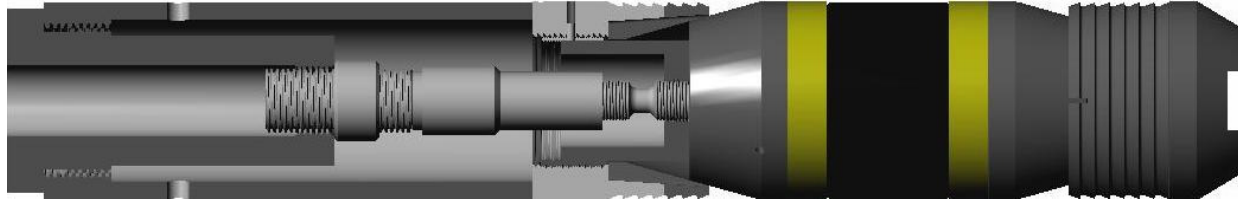
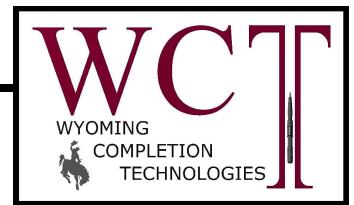
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Website: www.wyomingcompletions.com

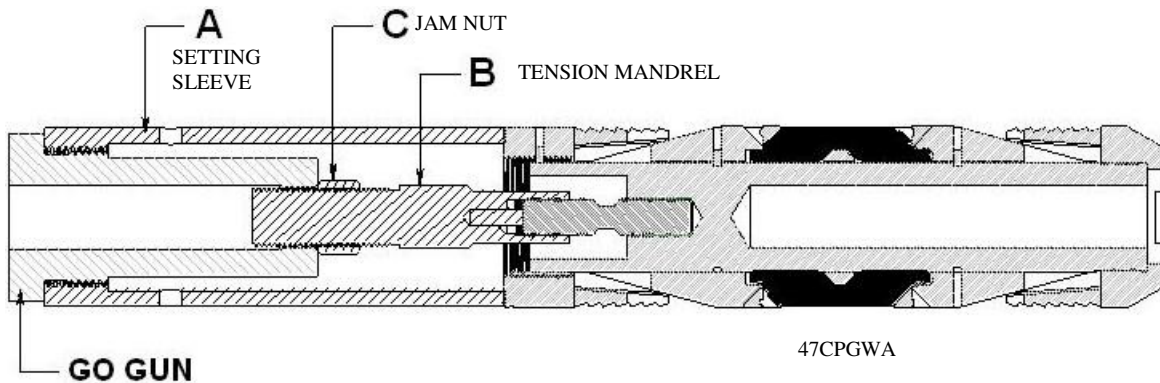
WIRELINE GO ADAPTER KITS (CPGWA)

For Type-B Bridge Plugs



Wire line Adapter shown with 5-1/2" 10K Type-B Bridge Plug

TYPE-B BRIDGE PLUG	PRODUCT #	SET TOOL	WIRELINE SETTING TOOL	CASING	PART #		TOOL OD		PART LENGTH	
			PRODUCT #	OD	A	B	GO SLEEVE	BRIDGE PLUG	A	B
				Inches/ mm	SETTING SLEEVE	TENSION MANDREL	Inches/ mm	Inches/ mm	SETTING SLEEVE Inches/ mm	TENSION MANDREL Inches/ mm
23CPAA	23CPGWA	GO GUN	WST05	2-3/8 60.325	23RWA01-G	N/A	1.65 41.91	1.75 44.45	7.38 187.45	N/A
27CPAA	27CPGWA	GO GUN		2-7/8 73.025	27RWA01-G		2.13 53.98	2.23 56.52	7.38 187.45	
35CPAA	35CPGWA	GO GUN		3-1/2 88.9	35RWA01-G		2.65 67.31	2.75 69.85	7.38 187.45	
43CPAA	43CPGWA	GO GUN	WST10	4-1/2 114.3	43WAK07-G	43GO-BA01	3.50 88.90	3.61 91.69	8.88 225.55	13.875 352.43
45CPAA	45CPGWA	GO GUN	WST20	5-1/2 139.7	45WAK07-G	45WA09-G	4.25 107.95	4.31 109.47	9.50 241.30	13.75 349.25
47CPAA	47CPGWA	GO GUN		7.0 177.8	47CPGWA02	47CPGWA01	5.37 136.40	5.69 144.53	11.00 279.40	8.50 215.90



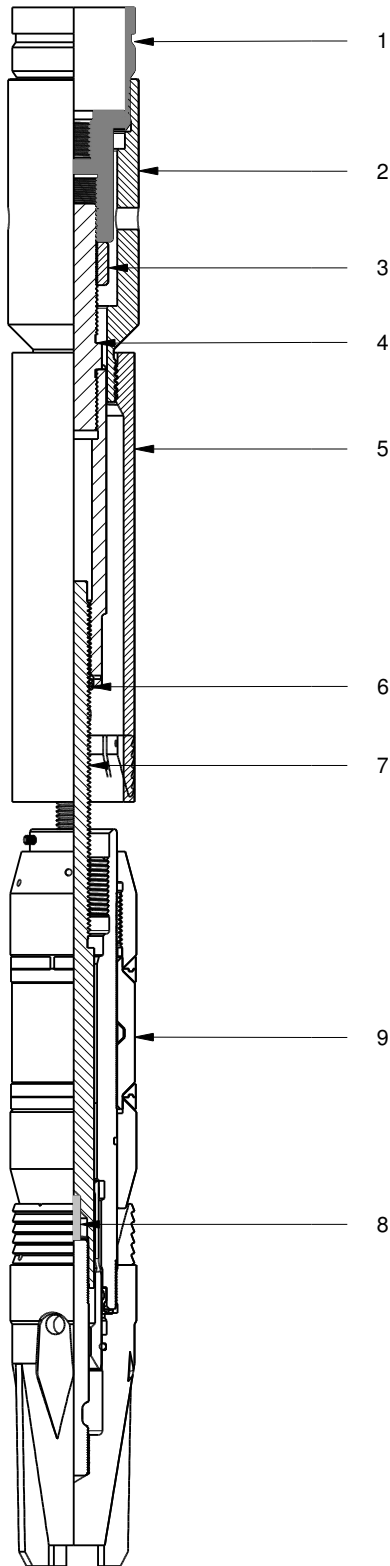
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Wireline Adapter Kit for GO-BA 4 1/2" CR



Part #
43RWA-G



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	GO GUN	1	GO GUN*
2	Setting Sleeve Crossover (GO)	1	43GO-BA02
3	GO Jam Nut	1	43CPGWA03
4	Tension Crossover (GO)	1	43GO-BA01
5	Setting Sleeve	1	43RWA01
6	Safety Spring	1	43CP02
7	Tension Mandrel	1	43RWA03
8	Drive Pin	1	DP01
9	4 1/2" Cement Retainer	1	43CRAA-W*

* Go Gun and Cement Retainer not included with kit.

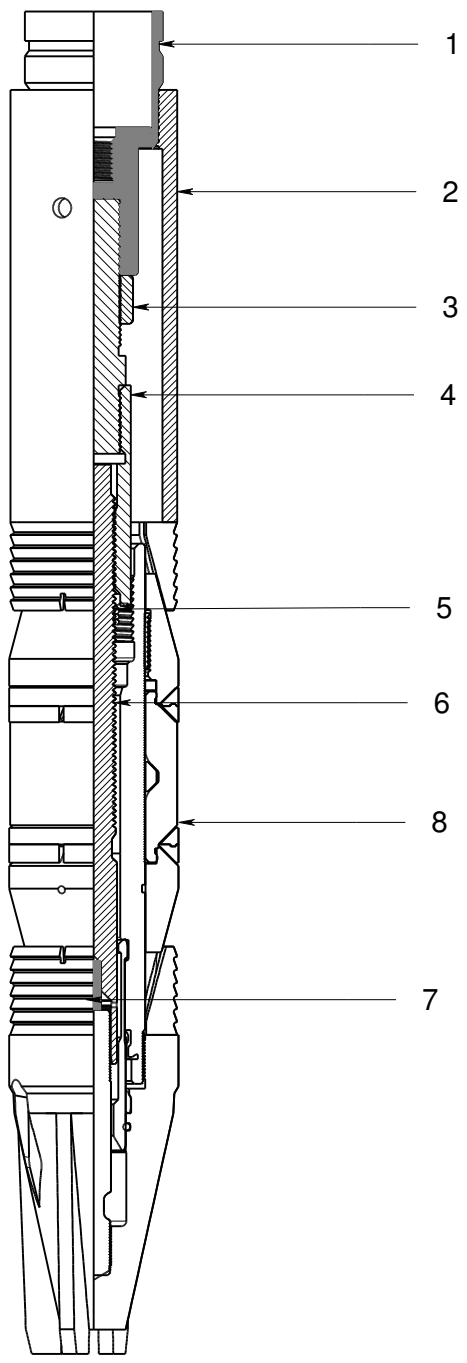
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Wireline Adapter Kit for GO-BA 5 1/2" CR



Part #
45RWA-G



PARTS & ASSEMBLY

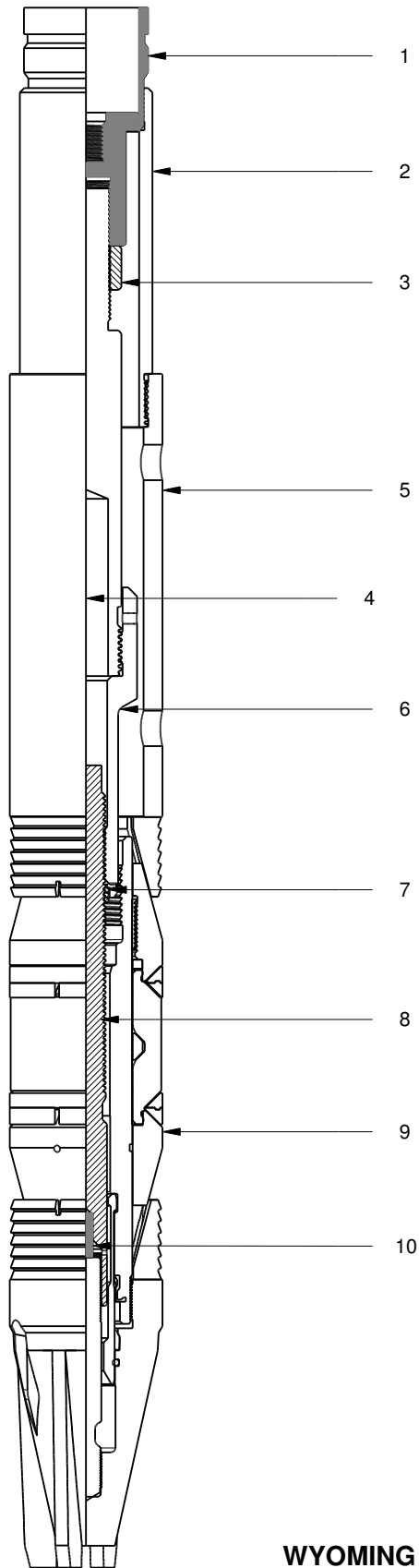
Item #	Description	Qty	Part Name
1	GO GUN	1	GO GUN
2	Setting Sleeve	1	45CPGWA02
3	GO Jam Nut	1	43CPGWA03
4	Tension Crossover (GO)	1	45GO-BA01
5	Safety Spring	1	45CP02
6	Tension Mandrel	1	45RWA03
7	Drive Pin	1	DP01
8	5 1/2" Cement Retainer	1	45CRAA-W-set

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Wireline Adapter Kit for 5 1/2" CR



Part #
45RWA-G2



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	GO GUN	1	GO GUN
2	Setting Sleeve Crossover (GO)	1	45WAK07-G
3	GO Jam Nut	1	43CPGWA03
4	Tension Rod (GO)	1	45WA09-G
5	Setting Sleeve	1	45RWA01
6	Tension Sub	1	45RWA02
7	Safety Spring	1	45CP02
8	Tension Mandrel	1	45RWA03
9	5 1/2" Cement Retainer	1	45CRAA-W-set
10	Drive Pin	1	DP01

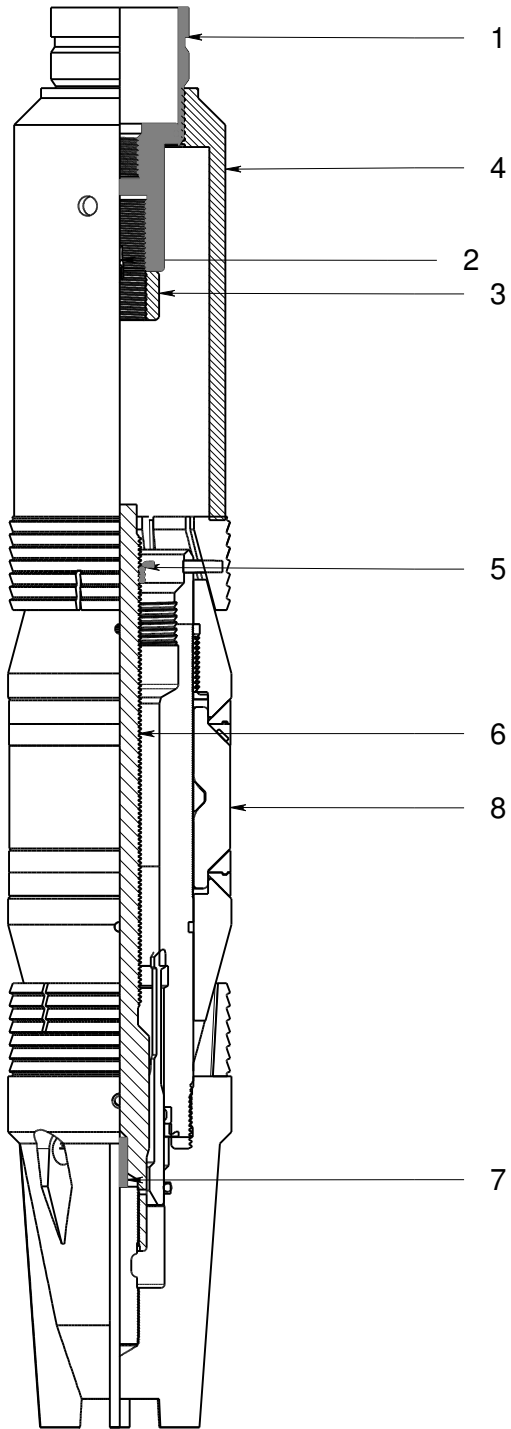
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Wireline Adapter Kit for GO-BA 7" CR



Part #
47RWA-G



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	GO GUN	1	GO GUN
2	Tension Rod	1	47CPGWA01
3	GO Jam Nut	1	43CPGWA03
4	Setting Sleeve	1	47CPGWA02
5	Safety Spring	1	45CP02
6	Tension Mandrel	1	47RWA03
7	Drive Pin	1	DP01
8	7" Cement Retainer	1	47CRAA-W

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EXTENDED RANGE WIRELINE ADAPTER



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Extended Range Wireline Adapter Kit is used to couple an electric line or hydraulic setting tool assembly to an extended range cast iron bridge plug.

FEATURES/BENEFITS

- Compatible with standard wireline pressure setting tools or many hydraulic setting tools.

TECHNICAL DATA

PRODUCT	DIMENSIONAL DATA		
	O.D. In/ mm	I.D. In/ mm	LENGTH In/ mm
23XWA-1.41	1-1/2	1.203	9.625
	38.10	30.556	244.48
27XWA-1.75	1.75	1.437	8.437
	44.45	36.4998	214.30
27XWA-1.9	1.9	1.437	8.343
	48.26	36.4998	211.91
35XWA-2.19	2.187	1.75	8.125
	55.55	44.45	206.38
35XWA-2.28	2.187	1.75	8.125
	55.55	44.45	206.38
40XWA-2.5	2-1/2	1.75	8.625
	63.50	44.45	219.08
40XWA-2.75	2.75	1.75	8.625
	69.85	44.45	219.08
43XWA-3.0	3.0	2.0	8.625
	76.20	50.8	219.08
45XWA-3.75	3.75	2.15	8.625
	95.25	54.61	219.08

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EXTENDED RANGE WIRELINE ADAPTER - GO



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Extended Range Wireline Adapter-GO Kit is used to couple an electric line or hydraulic setting tool assembly to an extended range cast iron bridge plug.

FEATURES/BENEFITS

- Compatible with standard wireline pressure setting equipment.

TECHNICAL DATA

PRODUCT	DIMENSIONAL DATA		
	O.D.	I.D.	LENGTH
	Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>
23XWA-G	1.400 <i>35.56</i>	1.105 <i>28.07</i>	7.710 <i>195.83</i>
27XWA-G-1.75	1.745 <i>44.32</i>	1.565 <i>39.75</i>	8.500 <i>215.90</i>
27XWA-G-1.9	1.900 <i>48.26</i>	1.710 <i>43.43</i>	8.500 <i>215.90</i>
35XWA-G-2.187	2.180 <i>55.37</i>	2.000 <i>50.80</i>	9.000 <i>228.60</i>
35XWA-G-2.28	2.275 <i>57.79</i>	2.006 <i>50.95</i>	8.000 <i>203.20</i>
40XWA-G-2.5	2.300 <i>58.42</i>	2.000 <i>50.80</i>	8.500 <i>215.90</i>
40XWA-G-2.75	2.550 <i>64.77</i>	2.250 <i>57.15</i>	8.500 <i>215.90</i>
43XWA-G-3.0	3.000 <i>76.20</i>	2.000 <i>50.80</i>	8.625 <i>219.08</i>
45XWA-G-3.75	3.750 <i>95.25</i>	3.260 <i>82.80</i>	7.000 <i>177.80</i>

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Website: www.wyomingcompletions.com

COMPOSITE WIRELINE ADAPTER



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Composite Wireline Adapter is used to couple a Baker Setting Tool to a Composite Frac Plug or Bridge Plug.

FEATURES/BENEFITS

- Compatible with standard wireline pressure setting tools or many hydraulic setting tools.

TECHNICAL DATA

PRODUCT	TOOL DIMENSIONS		
	O.D. <i>In/mm</i>	I.D. <i>In/mm</i>	LENGTH <i>In/mm</i>
43CWA	3.61 <i>91.7</i>	3.25 <i>82.55</i>	18.00 <i>457.2</i>
45CWA	4.31 <i>109.5</i>	3-1/2 <i>88.9</i>	22.15 <i>562.61</i>
47CWA	5.37 <i>136.4</i>	4.67 <i>118.618</i>	25.25 <i>641.35</i>
49CWA	7.15 <i>181.61</i>	6.06 <i>153.92</i>	25.25 <i>641.35</i>
51CWA	8.15 <i>207.0</i>	7.06 <i>179.3</i>	25.25 <i>641.35</i>

Composite Wireline Adapter
with Composite Frac Plug

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WIRELINE SETTING TOOL



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Wireline Setting Tool is a sure way of setting any electric line set product that may include cement retainers, bridge plugs, and other wireline tools. Our Setting Tool is a gas generated tool that provides the gradual hydraulic force needed to set bridge plugs and cement retainers.

FEATURES/BENEFITS

- Used to set bridge plugs and cement retainers on electric wireline
- Disk bleeder valve for safe and simple pressure bleed off before disassembly
- Fast running wireline capability
- Sizes 2-3/8 through the largest casing sizes are available
- 10000 psi pressure rating

TECHNICAL DATA

SET TOOL	CASING			
	OD	ID MAX.	ID MIN.	Weight
	Inches	Inches mm	Inches mm	Lb/Ft Kg/m
WST05	2-7/8 73.03	N/A	N/A	6.4 - 7.8 9.5 - 11.6
	3-1/2 88.90	3.258 82.75	2.867 72.82	5.75 - 10.3 8.6 - 15.3
WST10	4-1/2 114.30	4.09 103.88	3.82 97.03	9.5 - 13.5 14.1 - 20.1
	5 127.00	4.56 115.82	4.27 108.60	11.5 - 18 17.1 - 26.8
WST20	5-1/2 139.70	5.04 128.11	4.67 118.60	13 - 23 19.5 - 34.2
	6-5/8 168.30	6.13 155.82	5.60 142.20	17 - 34.5 25.3 - 50.6
	7 177.80	6.53 166.06	6.00 152.40	17 - 35 25.3 - 52.1
	7-5/8 193.70	7.25 180.97	6.62 168.14	20 - 39 29.8 - 58.0
	8-5/8 219.10	8.09 205.66	7.43 188.72	24 - 52 35.7 - 77.4
	9-5/8 244.50	9.06 230.20	8.37 212.59	29.3 - 61.1 43.6 - 90.9
	10-3/4 273.10	10.192 258.87	9.66 245.36	32.7 - 51.0 48.7 - 75.9
	11-3/4 298.45	11.15 283.21	10.772 273.61	38 - 65 56.6 - 96.7
	13-3/8 339.73	12.715 323.00	12.191 309.65	48 - 72 71.4 - 107.1
	16 406.40	14.438 366.73	15.250 387.35	65.0-128.0 96.73-190.49

WYOMING COMPLETION TECHNOLOGIES, INC.

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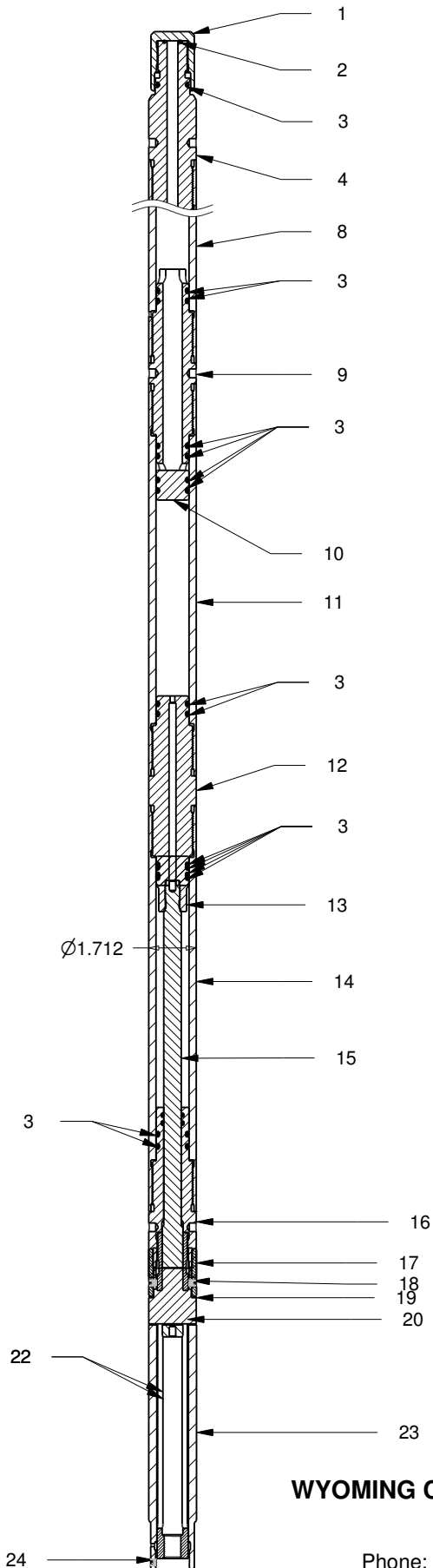
Phone: (307) 754-5429 * Fax: (307) 754-5927

Email: sales@wyomingcompletions.com * Website: www.wyomingcompletions.com

WIRELINE SETTING TOOL 05



Part #
WST05



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	Protector Cap	1	WST05-24
2	O-Ring	1	112-90D Nitrile
3	O-Ring	17	213-90D Nitrile
4	Pressure Chamber	1	WST05-01
5	Retainer	1	WST05-13
6	Piercing Disk	1	WST05-14
7	O-Ring	1	111-90D Nitrile
8	Upper Cylinder	1	WST05-15
9	Connector	1	WST05-04
10	Floating Piston	1	WST05-03
11	Middle Cylinder	1	WST05-02
12	Upper Connector	1	WST05-27
13	Lower Piston	1	WST05-09
14	Lower Cylinder	1	WST05-16
15	Piston Rod	1	WST05-08
16	Lower Connector	1	WST05-30
17	Retaining Ring	1	WST05-06
18	Set Screw	2	1/4 - 20 x 1/4
19	Cross Link	1	WST05-07
20	Setting Mandrel	1	WST05-10
21	Set Screw	1	1/4 - 20 x 5/16
22	O-Ring	2	114-90D Nitrile
23	Cross Link Sleeve	1	WST05-11
24	Set Screw	1	1/4-20 X3/16

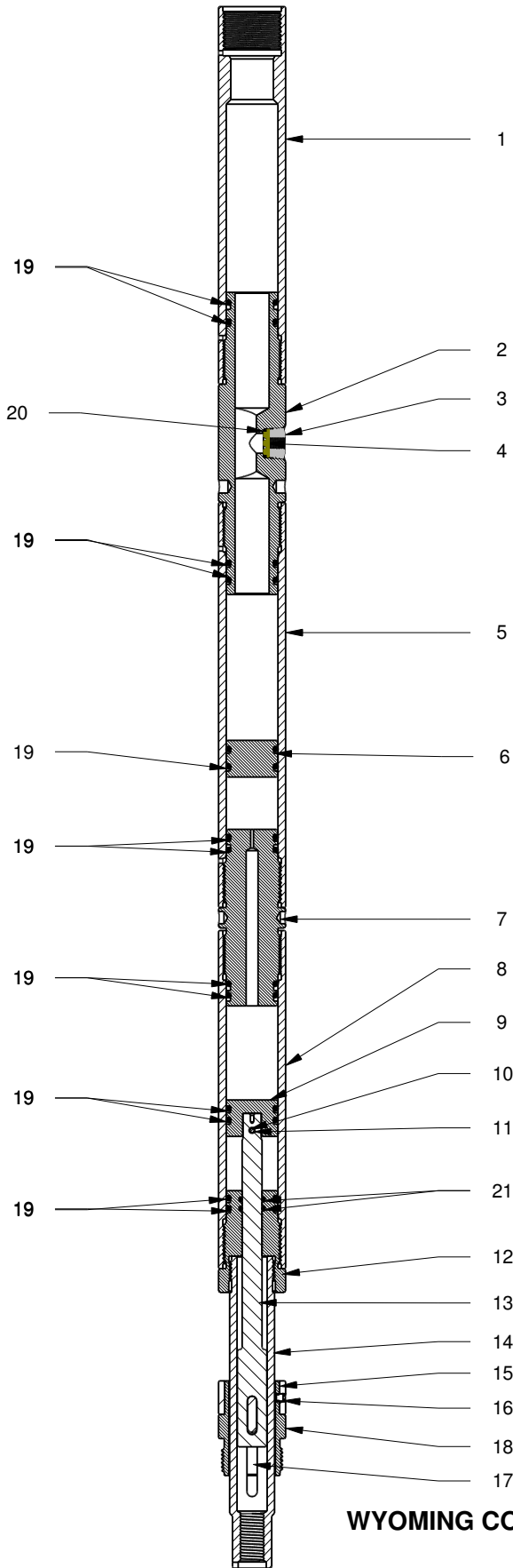
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WIRELINE SETTING TOOL 10



Part #
WST10



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	Upper Hydraulic Cylinder	1	WST10-15
2	Pressure Chamber	1	WST10-01
3	Bleeder Valve	1	WST20-13
4	Diaphragm	1	WST20-14
5	Mid Hydraulic Cylinder	1	WST10-02
6	Floating Piston	1	WST10-03
7	Cylinder Coupler	1	WST10-04
8	Lower Hydraulic Cylinder	1	WST10-16
9	Lower Piston	1	WST10-09
10	Wrist Pin	1	WST10-12
11	Set Screw	1	1/4 - 20 x 5/16
12	Cylinder Head	1	WST10-05
13	Piston Rod	1	WST10-08
14	Setting Mandrel	1	WST10-10
15	Retaining Ring	1	WST10-06
16	Set Screw	1	3/8 -16 x 3/8
17	Key	1	WST10-07
18	Crosslink Sleeve	1	WST10-11
19	O-Ring	14	327-90D Nitrile
20	O-Ring	1	213-90D Nitrile
21	O-Ring	2	211-90D Nitrile

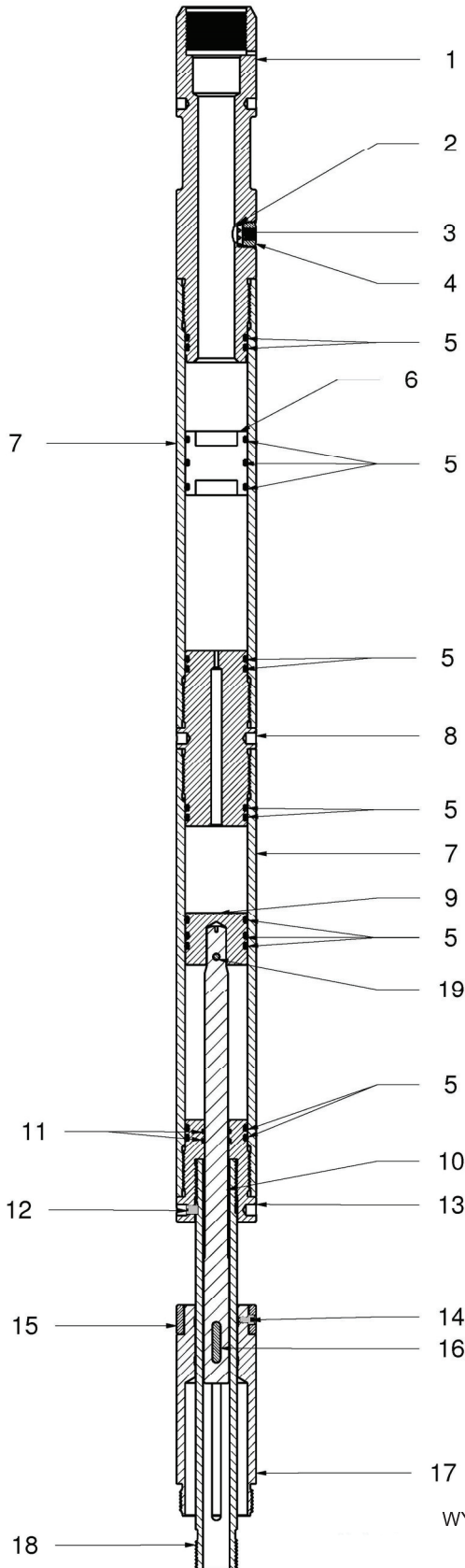
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WIRELINE SETTING TOOL 20



Part #
WST20A



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	Pressure Chamber	1	WST20-01
2	O-Ring	1	213-90D Nitrile
3	Diaphragm	1	WST20-14
4	Bleeder Valve	1	WST20-13
5	O-Ring	14	334-90D Nitrile
6	Floating Piston	1	WST20-03
7	Hydraulic Cylinder	2	WST20-02
8	Cylinder Coupler	1	WST20-04
9	Lower Piston	1	WST20-09
10	Piston Rod	1	WST20-08
11	O-Ring	2	216-90D Nitrile
12	Brass Set Screw	1	.375-16 x .50
13	Cylinder Head	1	WST20-05
14	Allen Hd Cap Screw	1	1/4 - 20 x 3/8
15	Retaining Ring	1	WST20-06
16	Key	1	WST20-07
17	Crosslink Sleeve	1	WST20-11
18	Setting Mandrel	1	WST20-10
19	Wrist Pin	1	WST20-12

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SHORTY WIRELINE SETTING TOOL



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Shorty Setting Tool is a compact wireline set tool. The power charge produces high pressure gas for setting bridge plugs, cement retainers and packers.

FEATURES/BENEFITS

- Top and bottom pistons are pressure balanced
- Eliminates problems plugs and patches present due to high levels of hydrostatic pressure
- Power charge has a slow burn of approximately 30 seconds

TECHNICAL DATA

WIRELINE BRIDGE PLUG TOOL SIZE Inches mm	SHORTY SETTING TOOL PRODUCT # Inches mm	SHORTY SETTING TOOL OD Inches mm
2-7/8 73.03	15SST	1-1/2 38.10
3-1/2 88.90		
4.0 101.60		
4-1/2 114.30		

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MECHANICAL SETTING TOOL – DRAG BLOCK



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Drag Block Mechanical Setting Tool is a dependable tool for setting cement retainers and cast iron bridge plugs. With a built-in snap latch and stinger seal these tools will latch into a retainer with set-down weight and release with up-strain or right-hand turn.

FEATURES/BENEFITS

- Built-in stinger for setting cement retainers
- Drag Block Centralizer
- Set with left-hand rotation
- Simple alteration for setting bridge plugs
- Latch with set-down weight
- Release with right-hand rotation and/or up-strain

TECHNICAL DATA



PRODUCT #	CASING				DRAG BLOCK
	OD	ID MAX	ID MIN	Weight	Collapsed OD
	Inches/ mm	Inches/ mm	Inches/ mm	lbs/Ft Kg/m	Inches/ mm
43MST	4-1/2 114.30	4.09 103.89	3.92 99.57	9.5 - 13.5 14.1 - 20.1	3.75 95.25
44MST - A1	5 127.00	4.28 108.71	4.14 105.15	18 - 21 26.8 - 31.3	3.82 97.03
44MST - A2	5 127.00	4.41 112.01	4.28 108.71	15 - 18 22.3 - 26.8	4.02 102.11
44MST - A3	5 127.00	4.56 115.82	4.41 112.01	11.5 - 15 17.1 - 22.3	4.23 107.44
45MST - A1	5-1/2 139.70	4.89 124.21	4.67 118.62	17 - 23 25.3 - 34.2	4.5 114.30
45MST - A2	5-1/2 139.70	5.04 128.12	4.89 124.26	13 - 17 19.3 - 25.3	4.50 114.30
45MST - A3	5-1/2 139.70	4.78 121.36	4.67 118.62	20 - 23 29.8 - 34.2	4.5 114.30
45MST - A4	5-1/2 139.70	4.78 121.36	4.55 115.52	20-26 29.8 - 38.7	4.787 121.59
46MST	6-5/8 168.28	5.92 150.39	5.55 144.15	24 - 32 35.7 - 47.6	5.50 139.70
47MST - A1	7 177.80	6.18 157.07	5.92 150.37	29 - 38 43.2 - 56.6	5.50 139.70
47MST - A2	7 177.80	6.54 166.07	6.09 154.79	17 - 32 25.3 - 47.6	5.92 150.37
48MST	7-5/8 193.68	7.03 178.44	6.44 163.45	24 - 45.3 35.7 - 67.4	6.37 161.80
49MST	8-5/8 219.08	8.02 203.63	7.41 188.23	28 - 52 41.7 - 77.4	7.24 183.90
51MST	9-5/8 244.48	8.98 228.12	8.35 212.21	32 - 61 47.6 - 90.8	8.24 209.30
53MST - A1	10-3/4 273.05	9.85 250.19	9.28 235.71	51 - 79.2 75.9 - 117.9	9.11 231.40
53MST - A2	10-3/4 273.05	10.16 258.13	9.66 245.36	32.8 - 60.7 48.8 - 90.3	9.47 240.54
54MST - A1	11-3/4 298.45	10.77 273.61	10.34 262.72	60 - 83 89.3 - 123.5	10.19 258.83
54MST - A2	11-3/4 298.45	11.15 283.21	10.68 271.32	38 - 65 56.6 - 96.7	10.55 267.97
55MST - A1	13-3/8 339.73	12.28 311.79	11.86 301.28	77 - 102 114.6 - 151.8	11.75 298.45
55MST - A2	13-3/8 339.73	12.72 322.96	12.35 313.61	48 - 72 71.4 - 107.1	12.11 307.59
57MST	16 406.40	15.01 381.25	14.42 366.38	84 - 128 125.0 - 190.5	14.0 355.60

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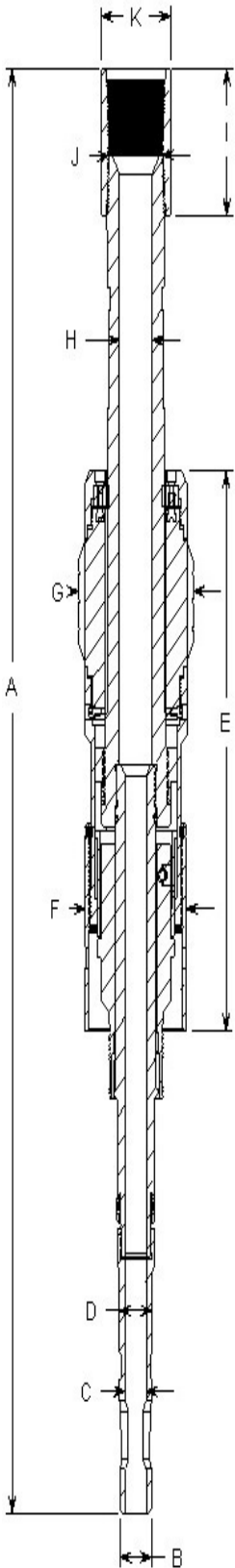
Email: sales@wyomingcompletions.com

Website: www.wyomingcompletions.com

MECHANICAL SETTING TOOL - DRAG BLOCK



4-1/2" - 16" MECHANICAL SETTING TOOL LENGTHS & DIAMETERS



PRODUCT #	SIZE Inches mm	MEASUREMENT											DRAG PAD # (DP)
		A	B	C	D	E	F	G	H	I	J	K	
43MST 9.5-13.5#	4-1/2 114.30	43.635	1.145	0.624	0.88	18.712	3.62	4.25	1.0	5.75	1.683	3.063	DP450
44MST-A1 18-21#	5 127.00	43.635	1.145	0.624	0.88	18.712	3.62	4.38	1.0	5.75	1.683	3.063	DP550
44MST-A2 15-18#	5 127.00							4.49					DP560
44MST-A3 11.5-15#	5 127.00							4.66					DP570
45MST-A1 17-23#	5-1/2 139.70	43.692	1.145	0.624	0.88	18.368	4.375	5.14	1.0	5.75	1.683	3.063	DP550
45MST-A2 13-17#	5-1/2 139.70							5.25					DP560
45MST-A3 20-23#	5-1/2 139.70							5.01					DP450
45MST-A4 20-26#	6 152.40							5.42					DP570
46MST 24-32#	6-5/8 168.28	43.692	1.145	0.624	0.88	18.368	4.375	6.05	1.0	5.75	1.683	3.063	DP650
47MST-A1 29-38#	7 177.80	43.692	1.145	0.624	0.88	18.368	4.375	6.36	1.0	5.75	1.683	3.063	DP700
47MST-A2 17-32#	7 177.80							6.91					DP900
48MST 24-45.3#	7-5/8 193.68	51.15	1.682	0.826	1.125	21.864	6.27	7.31	1.75	5.25	---	3.67	48DP
49MST 28-52#	8-5/8 219.08	51.472	1.682	0.838	1.125	21.224	7.12	8.18	1.75	5.25	---	3.67	DP800
51MST 32-61#	9-5/8 244.48	51.501	1.682	0.838	1.125	21.253	8.12	9.18	1.75	5.25	---	3.67	DP800
53MST-A1 51-79.2#	10-3/4 273.05	51.455	1.682	0.839	1.125	23.176	9.437	10.49	1.75	5.25	---	3.67	DP800
53MST-A2 32.8-60.7#	10-3/4 273.05							10.85					DP900
54MST-A1 60-83#	11-3/4 298.45	51.501	1.682	1.162	1.750	21.253	8.12	11.64	1.75	5.25	---	3.67	DP800
54MST-A2 38-65#	11-3/4 298.45							12.00					DP900
55MST-A1 77-102#	13-3/8 349.25	51.185	1.682	0.839	1.125	22.44	11.96	13.05	1.75	5.25	---	3.67	DP800
55MST-A2 48-72#	13-3/8 349.25							13.41					DP900
57MST 84-128#	16 406.40	51.501	1.682	0.838	1.125	21.253	8.12	14.31	1.75	5.25	---	3.67	DP800

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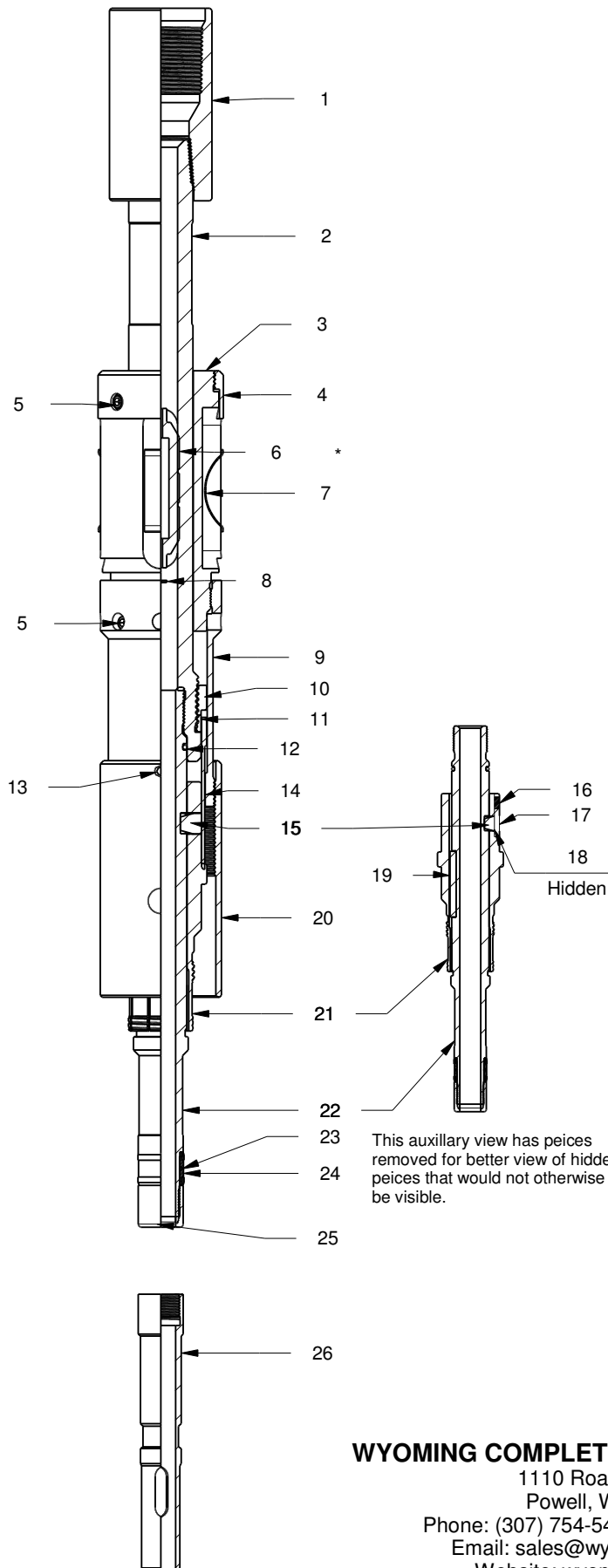
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4-1/2" & 5" MECHANICAL SETTING TOOL - DRAG BLOCK



Part # 43MST (4-1/2") & 44MST (5")

43MST & 44MST PARTS & ASSEMBLY



Item #	Description	QTY	Part Name
1	COUPLING	1	19NU23EU
2	Mandrel	1	43MST06
3	Drag Block Housing	1	43MST18
4	Upper Drag Pad Retaine	1	43MST19
5	Socket Head Cap Screw	6	1/4-20 X 3/8 CAP
6	Drag Pad *	4	DP450
7	Drag Block Spring	16	43MST21
8	Lower drag Pad Retaine	1	43MST28
9	Control Nut Sleeve	1	43MST03
10	Control Nut	1	43MST04
11	Control Nut Clutch	1	43MST05
12	O-Ring	1	219-90D Nitrile
13	Set Screw	2	3/8-16 x 1/4
14	Retaining Sleeve	1	43MST07
15	Dog	1	43MST15
16	Brass Shear Screw	2	1/4-20 x 1/2 B
17	Pin	2	43MST10
18	Tension Spring	2	43MST16
19	Key	1	43MK2.75
20	Setting Sleeve	1	43MST20
21	Control Latch	1	43MST08
22	Stinger Sub Body	1	43MST09
23	O-Ring	1	024-90D Nitrile
24	Stinger Seal	1	43MST02
25	Thread Protector	1	43MST25
26	Stinger Sub	1	43MST12

*** - DRAG PAD CHANGES FOR THE 44MST (5")**

Specify Casing Range - DP550 - (18-21#)
 DP560 - (15-18#)
 DP570 - (11.5-15#)

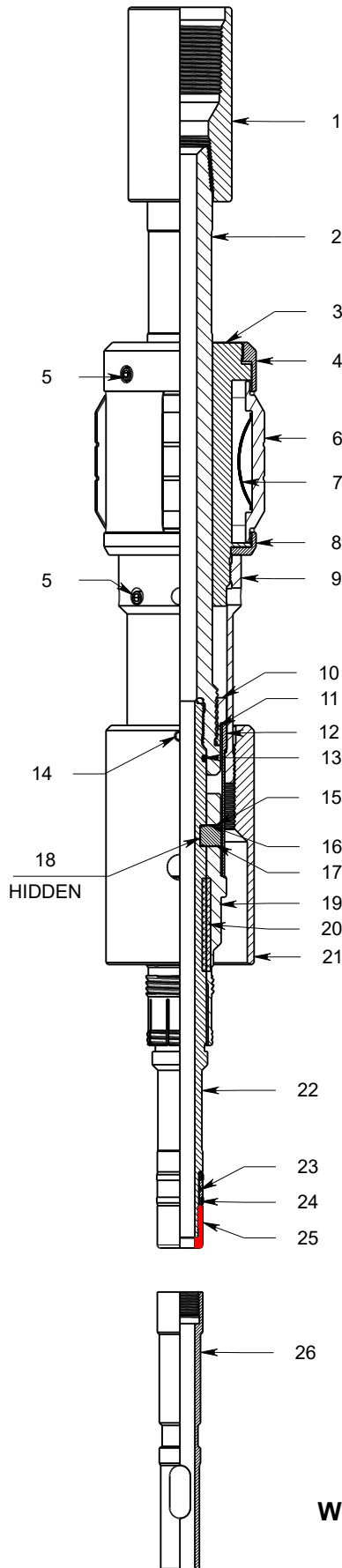
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5-1/2" MECHANICAL SETTING TOOL - DRAG BLOCK



Part #
45MST



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	COUPLING	1	19NU23EU
2	MANDREL	1	43MST06
3	DRAG BLOCK HOUSING	1	45MST18
4	UPPER DRAG PAD RETAINER	1	45MST19
5	STEEL CAP SCREW	6	1/4-20 x 3/8 CAP
6	DRAG PAD*	4	DP550
7	DRAG PAD SPRING	20	43MST21
8	LOWER DRAG PAD RETAINER	1	45MST28
9	CONTROL NUT SLEEVE	1	43MST03
10	CONTROL NUT	1	43MST04
11	CONTROL NUT CLUTCH	1	43MST05
12	RETAINING SLEEVE	1	43MST07
13	O-RING	1	219-90D Nitrile
14	STEEL SET SCREW	2	3/8-16 x 3/8
15	BRASS SET SCREW	2	1/4-20 x 1/2 B
16	3/16 x 1-1/4 HARDENED PIN	2	43MST10
17	DOG	1	43MST15
18	COMPRESSION SPRING	2	43MST16
19	CONTROL LATCH	1	43MST08
20	KEY	1	43MK2.75
21	SETTING SLEEVE	1	45MST20
22	STINGER SUB BODY	1	43MST09
23	O-RING	1	024-90D Nitrile
24	STINGER SEAL	1	43MST02-A
25	THREAD PROTECTOR	1	43MST25
26	STINGER SUB	1	43MST12

*** SPECIFY CASING WEIGHT - (20-23 lb) USES PART #DP450
 (17-23 lb) USES PART # DP550
 (13-17 lb) USES PART # DP560
 6" - (20-26 lb) USES PART #DP570**

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07/28/2021

6-5/8" MECHANICAL SETTING TOOL



Part #
46MST

PARTS AND ASSEMBLY

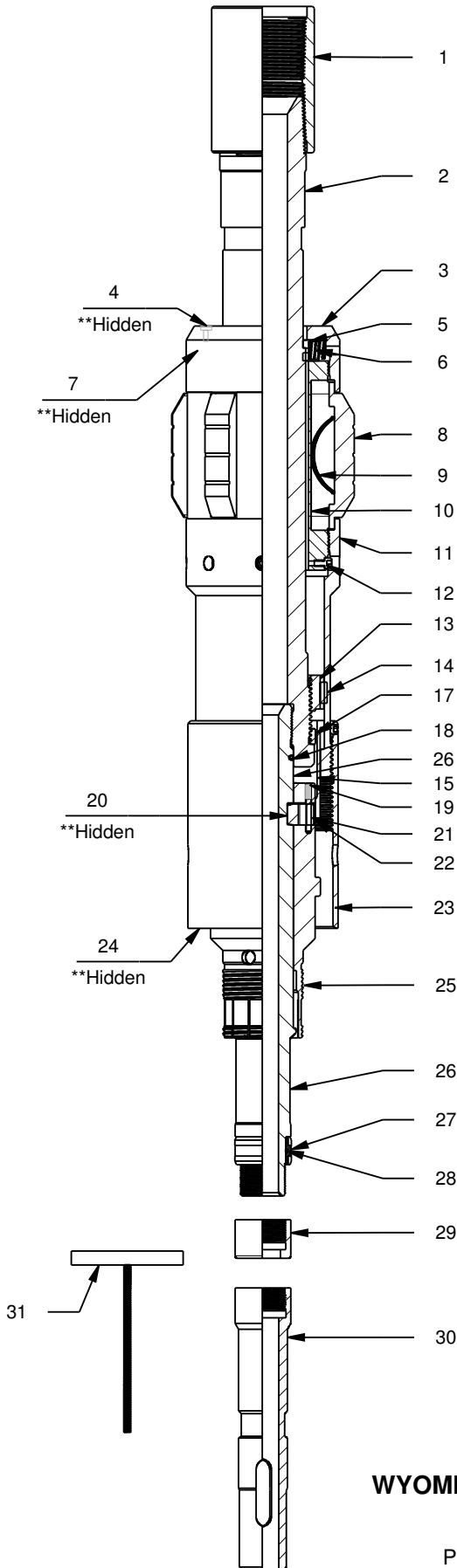
Item #	Description	QTY	Part Name
1	2-7/8" COUPLER	1	27EC
2	MANDREL	1	47MST06
3	DRAG RETAINER	1	47MST19
4	SOCKET HEAD CAP SCREW	3	.313-18 x .75 CAP
5	LOCK SEGMENT	1	47MST17
6	COMPRESSION SPRING	1	47MST31_COMP
7	LOCK SEGMENT SUPPORT RING	1	47MST27
8	DRAG PAD	6	DP800
9	DRAG PAD SPRING	48	47MST21
10	DRAG BLOCK HOUSING	1	47MST18
11	CONTROL NUT SLEEVE	1	47MST03
12	SOCKET HEAD CAP SCREW	4	.25-20 X .375 CAP
13	CONTROL NUT	1	47MST04P
14	KEY	1	47MK.75
15	RETAINING SLEEVE	1	47MST07
16	SET SCREW	2	.375-16 x .25
17	CONTROL NUT CLUTCH	1	47MST05
18	O-RING	1	225-90D Nitrile
19	1/4-20 x 1/2 SET SCREW	2	.25-20 x .5
20	TENSION SPRING	2	47MST16
21	PIN	2	43MST10
22	DOG	1	47MST15
23	SETTING SLEEVE	1	47MST20
24	MACHINE KEY	1	43MK2.75
25	CONTROL LATCH	1	47MST08
26	STINGER SUB BODY	1	47MST09
27	STINGER SEAL	1	47MST02-A
28	O-RING	1	030-90D Nitrile
29	THREAD PROTECTOR	1	47MST28
30	STINGER SUB	1	47MST12
31	T - HANDLE	1	47MST29

**** - THESE ITEMS ARE SHOWN IN EXPLODED VIEWS ON 47MST SHEET 2 OF 2**

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09/05/2018



7" MECHANICAL SETTING TOOL - DRAG BLOCK



Part #
47MST 1 OF 2

PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	2-7/8" COUPLER	1	27EC
2	MANDREL	1	47MST06
3	DRAG RETAINER	1	47MST19
4	SOCKET HEAD CAP SCREW	3	5/16-18 x 3/4
5	LOCK SEGMENT	1	47MST17
6	COMPRESSION SPRING	1	47MST31
7	LOCK SEGMENT SUPPORT RING	1	47MST27
8	DRAG PAD	6	DP800
9	DRAG PAD SPRING	48	47MST21
10	DRAG BLOCK HOUSING	1	47MST18
11	CONTROL NUT SLEEVE	1	47MST03
12	SOCKET HEAD CAP SCREW	4	.25-20 X .375 CAP
13	CONTROL NUT	1	47MST04P
14	KEY	1	47MK.75
15	RETAINING SLEEVE	1	47MST07
16	SET SCREW	2	.375-16 x .25
17	CONTROL NUT CLUTCH	1	47MST05
18	O-RING	1	225-90D Nitrile
19	1/4-20 x 1/2 SET SCREW	2	.25-20 x .5
20	TENSION SPRING	2	47MST16
21	PIN	2	43MST10
22	DOG	1	47MST15
23	SETTING SLEEVE	1	47MST20
24	MACHINE KEY	1	43MK2.75
25	CONTROL LATCH	1	47MST08
26	STINGER SUB BODY	1	47MST09
27	STINGER SEAL	1	47MST02-A
28	O-RING	1	030-90D Nitrile
29	THREAD PROTECTOR	1	47MST28
30	STINGER SUB	1	47MST12
31	T - HANDLE	1	47MST29

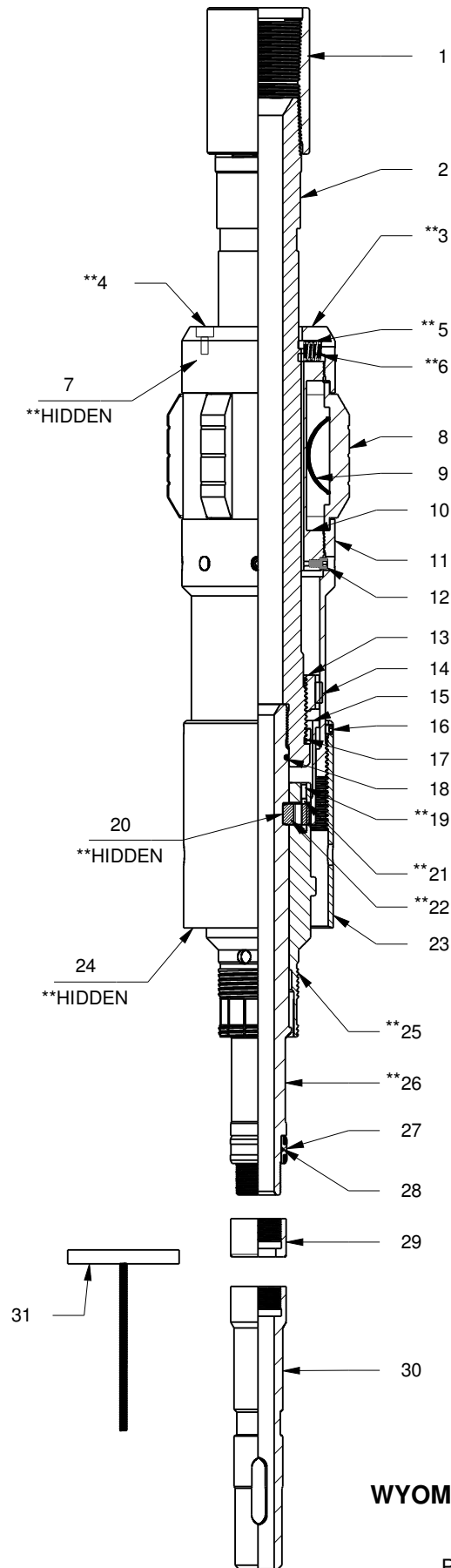
* Specify Casing Weight - (17-32 lb) uses Part # DP900
(29-38 lb) uses Part # DP700

** - THESE ITEMS ARE SHOWN IN EXPLODED
VIEWS ON SHEET 2 OF 2

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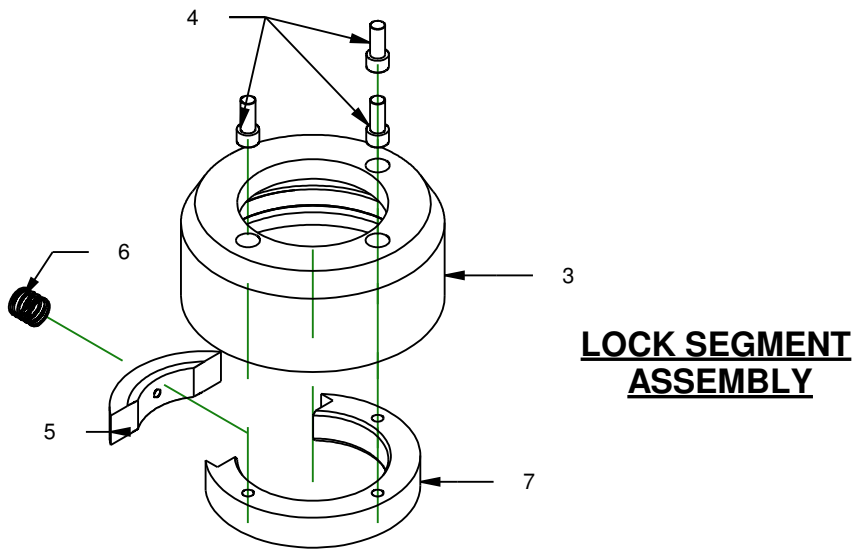
08/24/2018



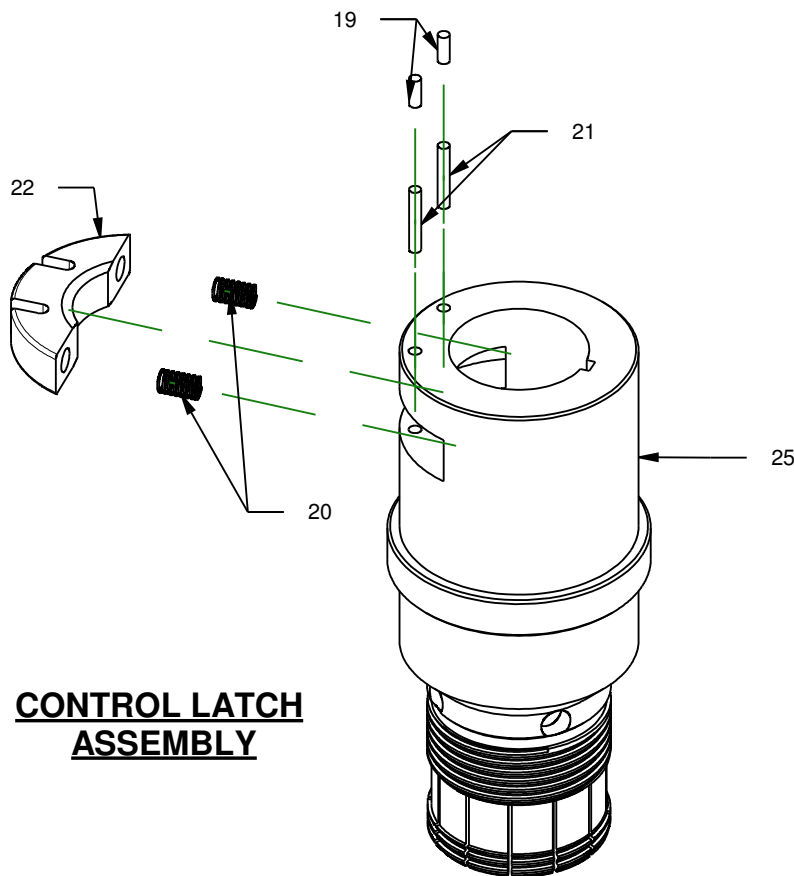
7" MECHANICAL SETTING TOOL



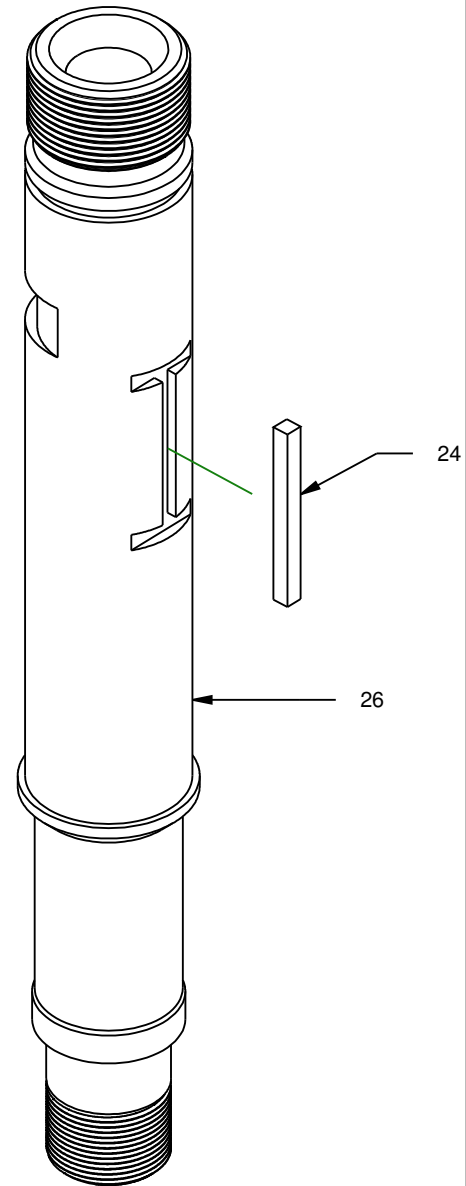
Part #
47MST SHEET 2 of 2



LOCK SEGMENT ASSEMBLY



CONTROL LATCH ASSEMBLY



STINGER SUB BODY ASSEMBLY

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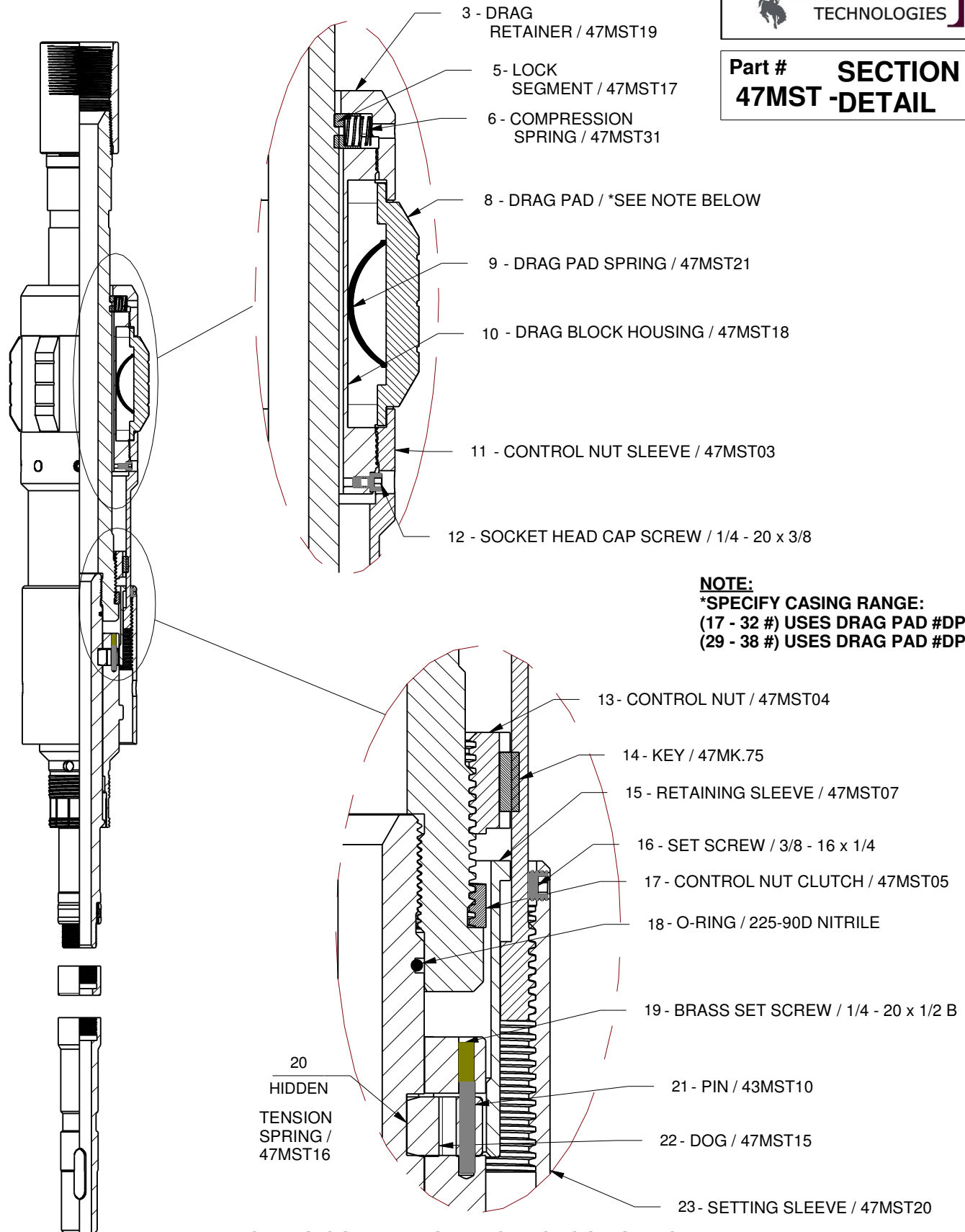
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08/24/2018

7" MECHANICAL SETTING TOOL - DRAG BLOCK



Part # SECTION
47MST -DETAIL



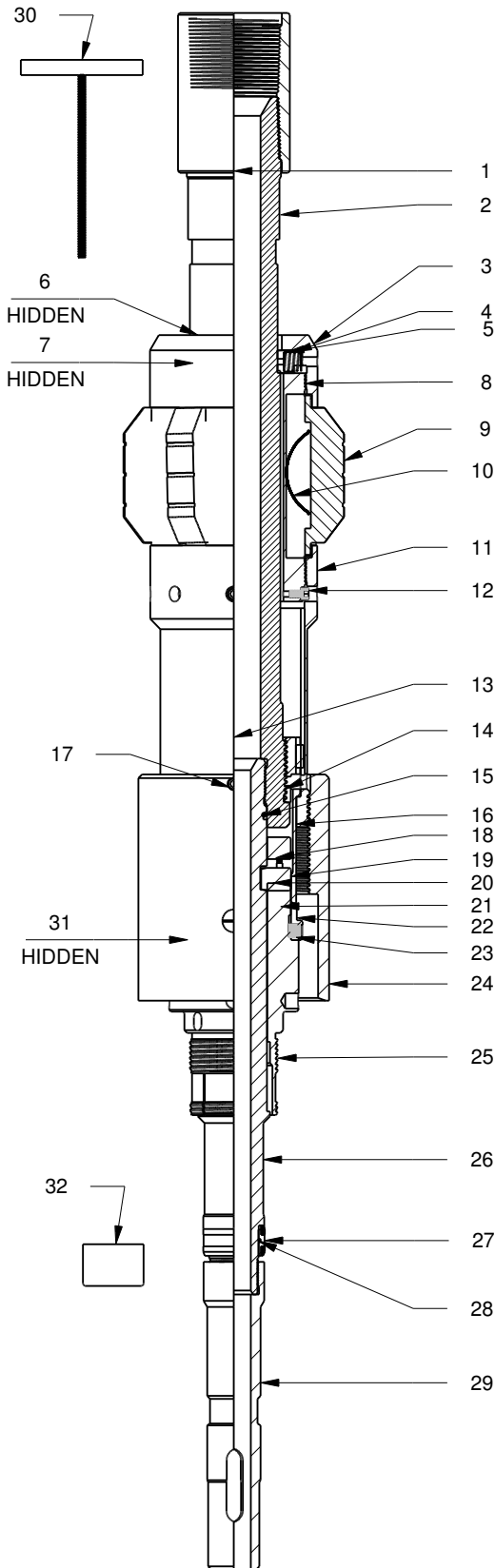
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7-5/8" MECHANICAL SETTING TOOL - DRAG BLOCK



Part #
48MST



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	2-7/8" Coupler	1	27EC
2	Mandrel	1	47MST06
3	Drag Retainer	1	47MST19
4	Lock Segment	1	47MST17
5	Compression Spring	1	47MST31
6	Socket Head Cap Screw	3	5/16" - 18 x 3/4" CAP
7	Lock Segment Support Ring	1	47MST27
8	Drag Block Housing	1	47MST18
9	Drag Pad	6	48DP
10	Drag Pad Spring	48	47MST21
11	Control Nut Sleeve	1	47MST03
12	Socket Head Cap Screw	4	1/4" - 20 x 3/8" CAP
13	Control Nut	1	47MST04P
14	Control Nut Clutch	1	47MST05
15	O-Ring	1	225-90D Nitrile
16	Retaining Sleeve	1	47MST07
17	Set Screw	2	3/8" - 16 x 1/4"
18	Brass Shear Screw	2	1/4" - 20 x 1/2" B
19	Dog	1	47MST15
20	Tension Spring	2	47MST16
21	Pin	2	43MST10
22	Slip Adapter	1	48MST22
23	Set Screw	3	7/16" - 20 X 3/8"
24	Setting Sleeve	1	48MST20
25	Control Latch	1	48MST08
26	Stinger Sub Body	1	47MST09
27	Stinger Seal	1	47MST02
28	O-Ring	1	030-90D Nitrile
29	Stinger Sub	1	47MST12
30	T - Handle	1	47MST29
31	Machine Key	1	43MK2.75
32	Thread Protector	1	47MST28

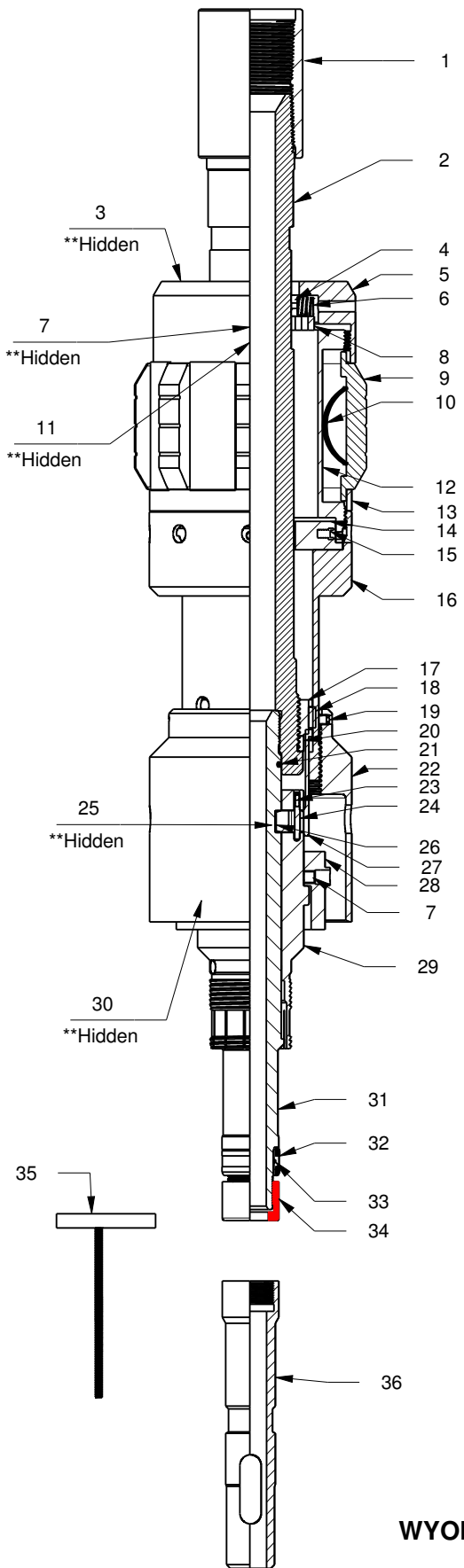
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8-5/8" MECHANICAL SETTING TOOL - DRAG BLOCK



Part #
49MST



Item #	Description	QTY	Part Name
1	2-7/8" Coupler	1	27EC
2	Mandrel	1	47MST06
3	Socket Head Cap Screw	3	7/16 - 20 x 3/8
4	Lock Segment	1	47MST17
5	Drag Retainer	1	49MST19
6	Compression Spring	1	47MST31
7	Set Screw	3	5/16 - 18 x 1-1/4
8	Segment Retainer	1	49MST23
9	Drag Pad	8	*DP800
10	Drag Pad Spring	40	47MST21
11	Segment Support Ring	1	49MST27
12	Drag Block Housing	1	49MST18
13	Drag Block Guide	1	49MST11
14	Housing Support	1	49MST30
15	Socket Head Cap Screw	4	5/16 - 18 x 3/8
16	Control Nut Sleeve	1	49MST03
17	Control Nut	1	47MST04
18	KEY	1	47MK.75
19	Set Screw	2	3/8 - 16 x 3/8
20	Control Nut Clutch	1	47MST05
21	O-Ring	1	225-90D Nitrile
22	Setting Sleeve	1	49MST20
23	Brass Shear Screw	2	1/4-20 x 1/2B
24	Pin	2	43MST10
25	Tension Spring	2	47MST16
26	Dog	1	47MST15
27	Retaining Sleeve	1	47MST07
28	Slip Adapter	1	49MST22
29	Control latch	1	48MST08
30	Machine Key	1	43MK2.75
31	Stinger Sub Body	1	47MST09
32	Stinger Seal	1	47MST02
33	O-Ring	1	030-90D Nitrile
34	Thread Protector	1	47MST28
35	T - Handle	1	47MST29
36	Stinger Sub	1	47MST12

*** CASING WEIGHT - (28 - 52 #)**
****THESE ITEMS ARE SHOWN IN EXPLODED VIEWS ON SHEET 2 OF 2**

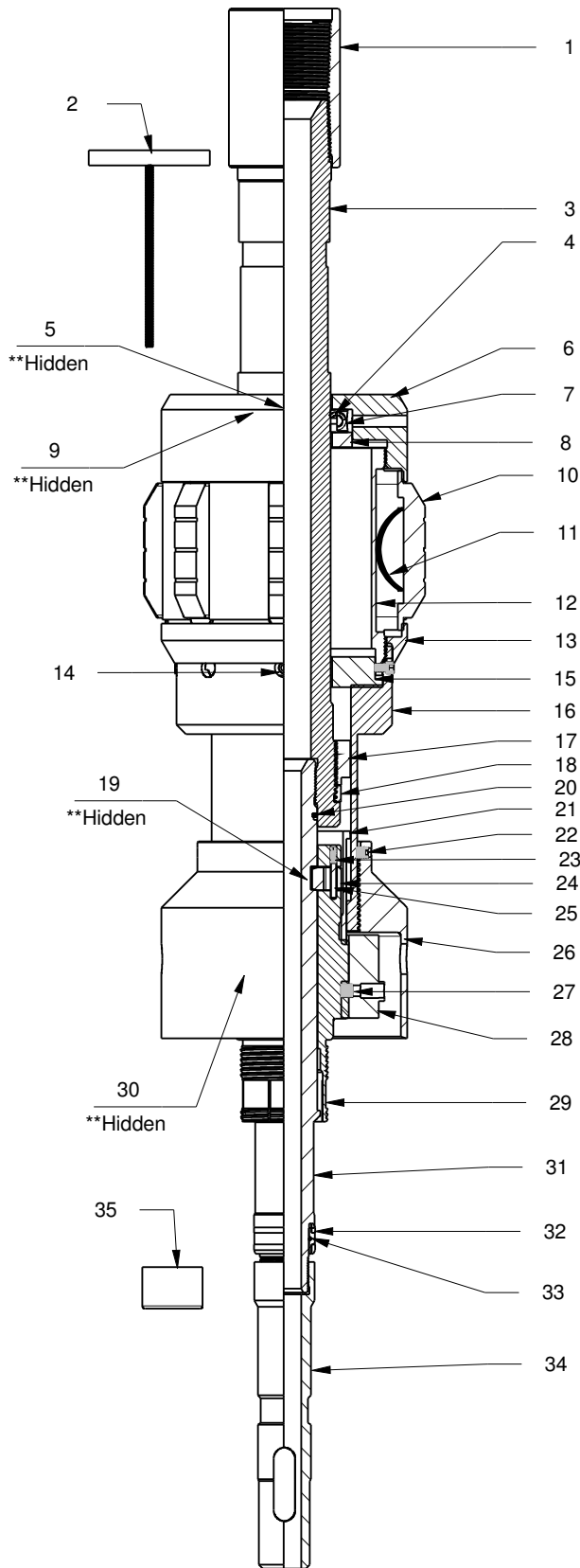
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9-5/8" MECHANICAL SETTING TOOL - DRAG BLOCK



Part #
51MST



PARTS AND ASSEMBLY

Item #	Description	QTY	Part Name
1	2-7/8" Coupler	1	27EC
2	T - Handle	1	47MST29
3	Mandrel	1	47MST06
4	Lock Segment	1	47MST17
5	Socket Head Cap Screw	3	5/16-18 x 1-1/4
6	Drag Block Retainer	1	51MST19
7	Compression Spring	1	47MST31
8	Segment Retainer	1	49MST23
9	Segment Support Ring	1	49MST27
10	Drag Pad	8	*DP800
11	Drag Pad Spring	40	47MST21
12	Drag Block Housing	1	51MST18
13	Drag Block Guide	1	51MST11
14	Socket Head Cap Screw	4	5/16 - 18 x 3/8
15	Housing Support	1	49MST30
16	Control Nut Sleeve	1	49MST03
17	Control Nut	1	47MST04
18	Control Nut Clutch	1	47MST05
19	Tension Spring	2	47MST16
20	O-Ring	1	225-90D Nitrile
21	Retaining Sleeve	1	47MST07
22	Set Screw	2	3/8 - 16 x 3/8
23	Brass Shear Screw	2	1/4-20 x 1/2B
24	Dog	1	47MST15
25	Pin	2	43MST10
26	Setting Sleeve	1	51MST20
27	Set Screw	3	7/16 - 20 X 3/8
28	Slip Adapter	1	51MST22
29	Control Latch	1	48MST08
30	Machine Key	1	43MK2.75
31	Stinger Sub Body	1	47MST09
32	Stinger Seal	1	47MST02
33	O-Ring	1	030-90D Nitrile
34	Stinger Sub	1	47MST12
35	Thread Protector	1	47MST28

*Casing Weight - (32-61 lb)

**These items are shown in exploded views on sheet 2 of 2

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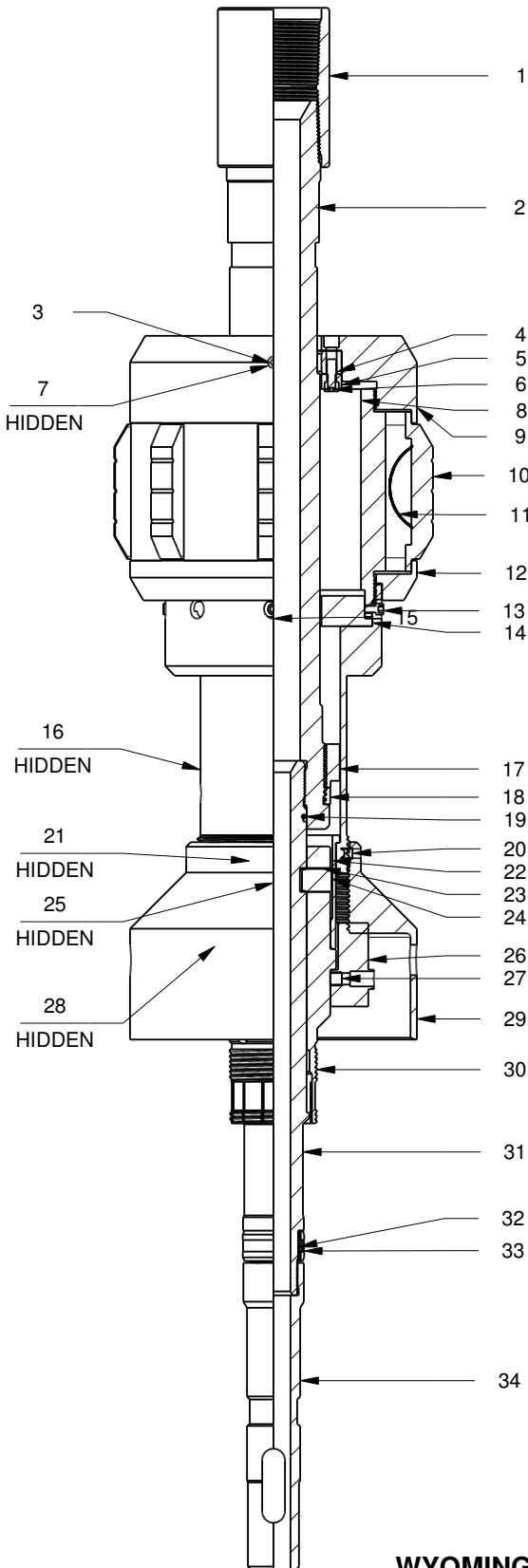
04/27/2017-KW

10-3/4" MECHANICAL SETTING TOOL



Part #
53MST

PARTS & ASSEMBLY



Item #	Description	QTY	Part Name
1	2-7/8" Coupler	1	27EC
2	Mandrel	1	47MST06
3	Lock Segment	1	47MST17
4	Segment Support Ring	1	49MST27
5	Segment Retainer	1	49MST23
6	Socket Head Cap Screw	3	5/16-18 x 3/4 CAP
7	Compression Spring	1	47MST31
8	Drag Body	1	53MST18
9	Drag Block Retainer	1	53MST19
10	Drag Pad	8	DP800
11	Drag Pad Spring	39	47MST21
12	Drag Block Guide	1	53MST11
13	Socket Head Cap Screw	4	1/4-20 X 3/8 CAP
14	Housing Support	1	49MST30
15	Control Nut Sleeve	1	49MST03
16	Key	1	47MK.75
17	Control Nut	1	47MST04P
18	Control Nut Clutch	1	47MST05
19	O-Ring	1	225-90D Nitrile
20	Set Screw	2	3/8-16 x 3/8
21	Brass Shear Screw	2	1/4-20 x 1/2 B
22	Retaining Sleeve	1	47MST07
23	Pin	2	43MST10
24	Dog	1	47MST15
25	Tension Spring	2	47MST16
26	Slip Adapter	1	51MST22
27	Set Screw	3	7/16-20 X 3/8
28	Machine Key	1	43MK2.75
29	Setting Sleeve	1	53MST20
30	Control latch	1	47MST08
31	Stinger Sub Body	1	47MST09
32	O-Ring	1	030-90D Nitrile
33	Stinger Seal	1	47MST02-A
34	Stinger Sub	1	47MST12

*Specify Casing Weight: 51-79.2# - DP800
32.8-60.7# - DP900

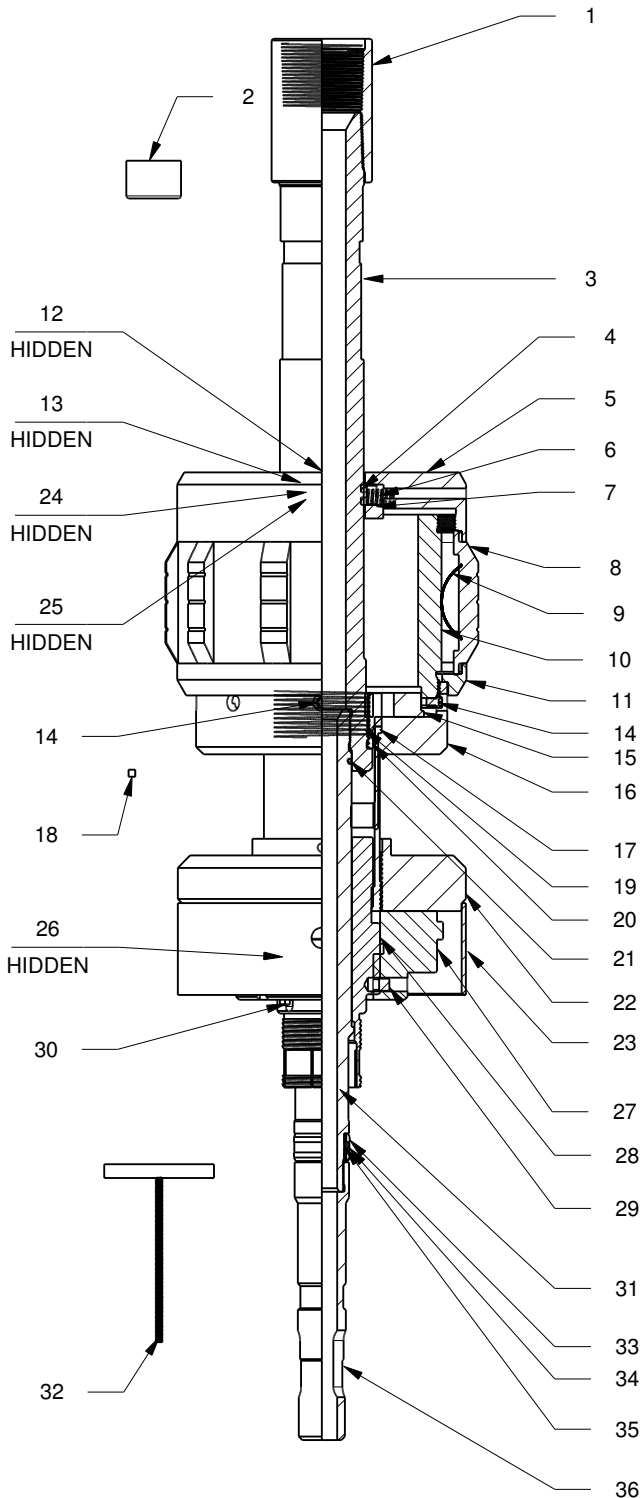
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11-3/4" MECHANICAL SETTING TOOL



Part #
54MST



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	2-7/8" Coupler	1	27EC
2	Thread Protector	1	47MST28
3	Mandrel	1	47MST06
4	Lock Segment	1	47MST17
5	Drag Block Retainer	1	54MST19
6	Compression Spring	1	47MST31
7	Segment Retainer	1	49MST23
8	Drag Pad	10	DP800
9	Drag Pad Spring	80	47MST21
10	Drag Block House	1	54MST18
11	Drag Block Guide	1	54MST11
12	Socket Head Cap Screw	3	5/16-18 x 1
13	Lock Segment Support Ring	1	47MST27
14	Socket Head Cap Screw	4	5/16-18 x 3/8
15	Housing Support	1	54MST30
16	Control Sleeve	1	54MST03
17	Retaining Sleeve	1	47MST07
18	Key	2	47MK.75
19	Control Nut	1	47MST04P
20	Control Nut Clutch	1	47MST05
21	O-Ring	1	225-90D Nitrile
22	Setting Sleeve	1	54MST20-1
23	Setting Sleeve	1	54MST20-2
24	Dog	1	47MST15
25	Pin	2	43MST10
26	Key	2	1/4 x 1/4 x 2.47
27	Slip Adapter	1	54MST22
28	Control Latch	1	48MST08
29	Set Screw	4	7/16-20 X 3/8
30	Key	2	1/4 X 1/4 X 2-1/4
31	Stinger Sub Body	1	47MST09
32	T - Handle	1	47MST29
33	Stinger Seal	2	47MST02-B
34	Stinger Seal	1	47MST02-A
35	O-Ring	1	030-90D Nitrile
36	Stinger Sub	1	47MST12

*Specify Casing Weight: 60-83# (54MST-A1) - DP800
38-65# (54MST-A2) - DP900

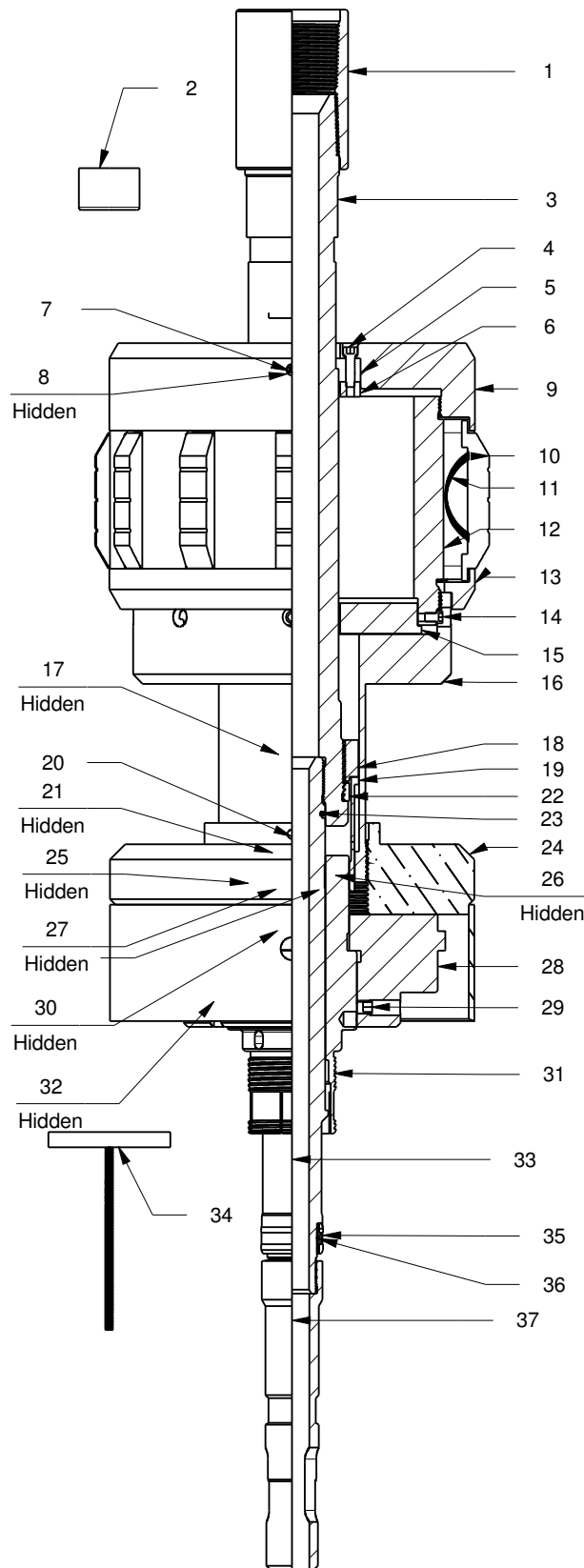
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13-3/8" MECHANICAL SETTING TOOL



Part #
55MST



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	2-7/8" Coupler	1	27EC
2	Thread Protector	1	47MST28
3	Mandrel	1	47MST06
4	Socket Head Cap Screw	3	5/16-18 X 1-1/4
5	Segment Support Ring	1	47MST27
6	Segment Retainer	1	49MST23
7	Lock Segment	1	47MST17
8	Compression Spring	1	47MST31
9	Drag Block Retainer	1	55MST19
10	Drag Pad	12	DP800
11	Drag Pad Spring	96	47MST21
12	Drag Block Housing	1	55MST18
13	Drag Block Guide	1	55MST11
14	Socket Head Cap Screw	4	5/16-18 x 3/8
15	Housing Support	1	55MST30
16	Control Sleeve	1	55MST03
17	Key	1	47MK.75
18	Control Nut	1	47MST04
19	Retaining Sleeve	1	47MST07
20	Set Screw	2	3/8 x 16 x 3/8
21	Brass Shear Screw	2	1/4-20 x 1/2 B
22	Control Nut Clutch	1	47MST05
23	O-Ring	1	225-90D Nitrile
24	Setting Sleeve	1	55MST20
25	Dog	1	47MST15
26	Tension Spring	2	47MST16
27	Pin	2	43MST10
28	Slip Adapter	1	55MST22
29	Set Screw	4	7/16-20 X 3/8
30	Key	1	2.47x.25x.25
31	Control Latch	1	48MST08
32	Key	3	.25 X .25 X 2.25
33	Stinger Sub Body	1	47MST09
34	T - Handle	1	47MST29
35	Stinger Seal	1	47MST02-A
36	O-Ring	1	030-90D Nitrile
37	Stinger Sub	1	47MST12

*Specify Casing Weight: 77-102# - DP800
48-72# - DP900

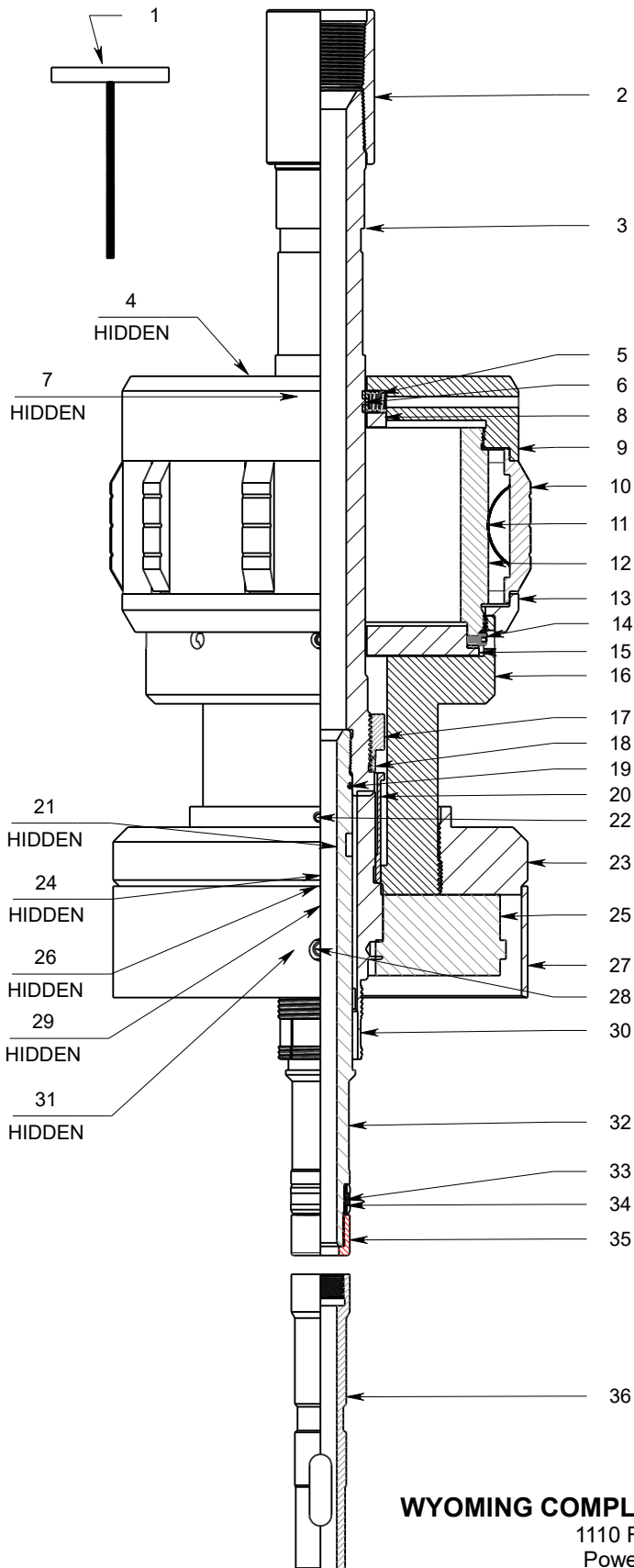
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16" MECHANICAL SETTING TOOL - DRAG BLOCK



Part #
57MST



PARTS & ASSEMBLY

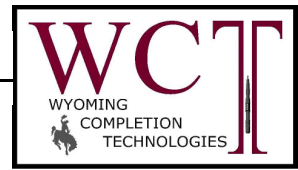
Item #	Description	Qty.	Part Name
1	T - HANDLE	1	47MST29
2	2-7/8" COUPLING	1	27EC
3	MANDREL	1	47MST06
4	SOCKET HEAD CAP SCREW	3	5/16-18 x 3/8 CAP
5	COMPRESSION SPRING	1	47MST31
6	LOCK SEGMENT	1	47MST17
7	SEGMENT SUPPORT RING	1	49MST27
8	SEGMENT RETAINER	1	49MST23
9	DRAG BLOCK RETAINER	1	57MST19
10	DRAG PAD	10	DP800
11	DRAG PAD SPRING	80	47MST21
12	DRAG BLOCK HOUSING	1	57MST18
13	DRAG BLOCK GUIDE	1	57MST11
14	STEEL CAP SCREW	4	1/4-20 X 3/8 CAP
15	HOUSING SUPPORT	1	57MST30
16	CONTROL NUT SLEEVE	1	57MST03
17	CONTROL NUT	1	47MST04P
18	CONTROL NUT CLUTCH	1	47MST05
19	O-RING	1	225-90D Nitrile
20	RETAINING SLEEVE	1	47MST07
21	TENSION SPRING	2	47MST16
22	STEEL SET SCREW	2	3/8-16 x 3/8
23	SETTING SLEEVE/ BASE	1	57MST20-1
24	BRASS SET SCREW	2	1/4-20 x 1/2 B
25	SLIP ADAPTER	1	57MST22
26	DOG	1	47MST15
27	SETTING SLEEVE/ RING	1	57MST20-2
28	SET SCREW	3	7/16-20 X 3/8
29	3/16 x 1-1/4 HARDENED PIN	2	43MST10
30	CONTROL LATCH	1	48MST08
31	KEY	1	43MK2.75
32	STINGER SUB BODY	1	47MST09
33	O-RING	1	030-90D Nitrile
34	STINGER SEAL	1	47MST02-A
35	THREAD PROTECTOR	1	47MST28
36	STINGER SUB	1	47MST12

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REV 2 - 05/25/2022

MECHANICAL SETTING TOOL - BOW SPRING



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Bow Spring Mechanical Setting Tool is a dependable tool for setting cement retainers and cast iron bridge plugs. With a built-in snap latch and stinger seal, these tools will latch into a retainer with set-down weight and release with up-strain or right-hand turn.

FEATURES/BENEFITS

- Built-in stinger for setting cement retainers
- Bow Spring Centralizer
- Set with right-hand rotation
- Simple alteration for setting bridge plugs
- Latch with set-down weight
- Release with right-hand rotation and up-strain

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches/ mm	Inches/ mm	Inches/ mm	Lb/Ft Kg/m	Inches/ mm
43MST-B	4-1/2 114.30	4.09 103.89	3.92 99.57	9.5 – 13.5 14.1 – 20.1	3.62 91.95
44MST-B	5 127.00	4.56 115.82	4.16 105.66	11.5 – 20.8 17.1 – 31.0	3.62 91.95
45MST-B	5-1/2 139.70	5.04 128.02	4.67 118.62	13 – 23 19.3 – 34.2	4.38 111.13
46MST-B	6-5/8 168.28	6.14 155.96	5.68 144.27	17 – 32 25.3 – 47.6	5.50 139.70
47MST-B	7 177.80	6.54 166.12	6.00 152.40	17 – 35 25.3 – 52.1	5.50 139.70
48MST-B	7-5/8 193.68	7.13 181.10	6.63 168.40	20 – 39 29.8 – 58.0	5.88 149.35
49MST-B	8-5/8 219.08	8.10 205.74	7.51 190.75	24 – 49 35.7 – 72.9	7.12 180.85
51MST-B	9-5/8 244.48	9.06 230.12	8.44 214.38	29.3 – 58.4 43.6 – 86.9	8.12 206.25
53MST-B	10-3/4 273.05	10.19 258.83	9.66 245.36	32.75 – 60.7 48.7 – 90.3	9.44 239.70
54MST-B1	11-3/4 298.45	11.15 283.21	10.77 273.56	38 – 60 56.5 – 89.3	10.43 264.92
54MST-B2	11-3/4 298.45	10.77 273.56	10.34 262.64	60 – 83 89.3 – 123.5	9.94 252.48
55MST-B	13-3/8 339.73	12.72 322.96	12.22 310.39	48 – 80.7 71.4 – 120.1	11.96 303.78
57MST-B	16 406.40	14.87 377.65	14.42 366.38	95 - 128 141.38 - 190.49	14.13 358.78



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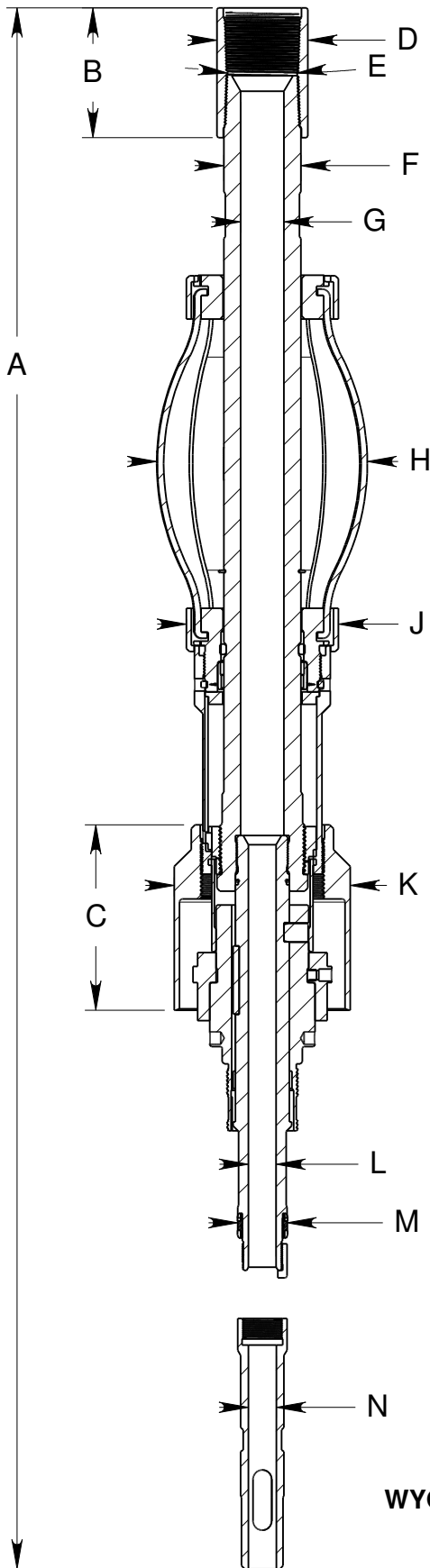
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Website: www.wyomingcompletions.com

MECHANICAL SETTING TOOL - BOW SPRING L&D



Part #
4-1/2" - 16" MST-B



MECHANICAL SETTING TOOL - BOW SPRING LENGTHS & DIAMETERS

PRODUCT #	TOOL SIZE inches/ mm	MEASUREMENT												
		A	B	C	D	E	F	G	H	J	K	L	M	N
43MST-B	4-1/2" 114.3	55.65	5.75	7.06	3.06	1.68	1.92	1.00	5.25	3.62	3.62	.88	1.34	.88
44MST-B	5" 127.0	55.65	5.75	7.06	3.06	1.68	1.92	1.00	5.25	3.62	3.62	.88	1.34	.88
45MST-B	5-1/2" 139.7	55.65	5.75	7.06	3.06	1.68	1.92	1.00	6.16	3.62	4.38	.88	1.34	.88
47MST-B	7" 177.8	60.70	5.25	7.43	3.67	2.81	3.12	1.75	8.80	5.49	5.37	1.12	1.99	1.13
48MST-B	7-5/8" 193.7	60.70	5.25	7.50	3.67	2.81	3.12	1.75	9.14	5.49	6.27	1.12	1.99	1.13
49MST-B	8-5/8" 219.1	60.14	5.25	6.50	3.67	2.81	3.12	1.75	8.48	6.15	7.12	1.12	1.99	1.13
51MST-B	9-5/8" 244.5	60.38	5.25	6.50	3.67	2.81	3.12	1.75	9.50	7.15	8.12	1.12	1.99	1.13
53MST-B	10-3/4" 273.1	60.75	5.25	6.50	3.67	2.81	3.12	1.75	10.65	8.25	9.44	1.12	1.99	1.13
54MST-B1 (38 - 60 #)	11-3/4" 298.5	60.34	5.25	6.50	3.67	2.81	3.12	1.75	11.60	9.25	10.43	1.12	1.99	1.13
54MST-B2 (60 - 83 #)	11-3/4" 339.8	60.34	5.25	6.50	3.67	2.81	3.12	1.75	11.60	9.25	9.94	1.12	1.99	1.13
55MST-B	13-3/8" 406.4	60.23	5.25	6.50	3.67	2.81	3.12	1.75	13.41	10.63	11.96	1.12	1.99	1.13
57MST-B	16" 406.4	60.23	5.25	6.50	3.67	2.81	3.12	1.75	16.51	14.13	11.96	1.12	1.99	1.13

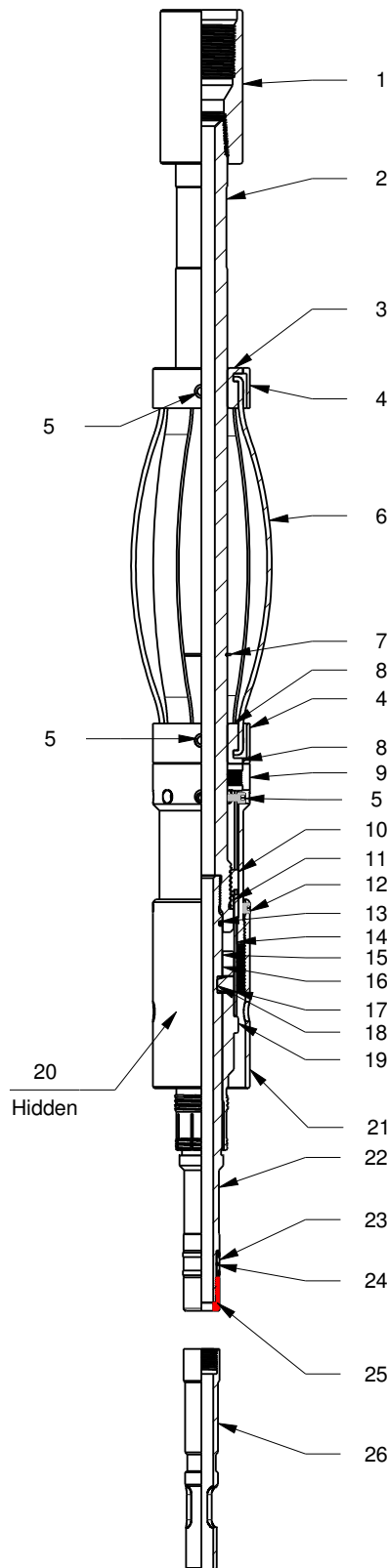
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Powell, Wyoming 82435
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Website: wyomingcompletions.com

4-1/2" Mechanical Setting Tool - Bow Spring



Part #
43MST-B & 44MST-B



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	COUPLING	1	19NU23EU
2	MANDREL	1	43MST01-B
3	UPPER DRAG BODY	2	43MST02-B
4	BOW SPRING RETAINER	2	43MST04-B
5	SOCKET HEAD CAP SCREW	4	1/4-20 X 3/8 CAP
6	BOW SPRING (10)	6	43MST06-B
7	SNAP RING	1	43MST07-B
8	LOWER DRAG BODY	1	43MST03-B
9	CONTROL NUT SLEEVE	1	43MST03
10	CONTROL NUT	1	43MST04
11	CONTROL NUT CLUTCH	1	43MST05
12	SET SCREW	2	3/8-16 x 1/4
13	O-RING	1	219-90D Nitrile
14	RETAINING SLEEVE	1	43MST07
15	BRASS SET SCREW	2	1/4-20 x 1/2 B
16	PIN	2	43MST10
17	DOG	1	43MST15
18	TENSION SPRING	2	43MST16
19	CONTROL LATCH	1	43MST08
20	MACHINE KEY	1	43MK2.75
21	SETTING SLEEVE	1	43MST20
22	STINGER SUB BODY	1	43MST09
23	STINGER SEAL	1	43MST02
24	O-RING	1	024-90D Nitrile
25	THREAD PROTECTOR	1	43MST25
26	STINGER SUB	1	43MST12
31	CONTROL NUT	1	43MST04

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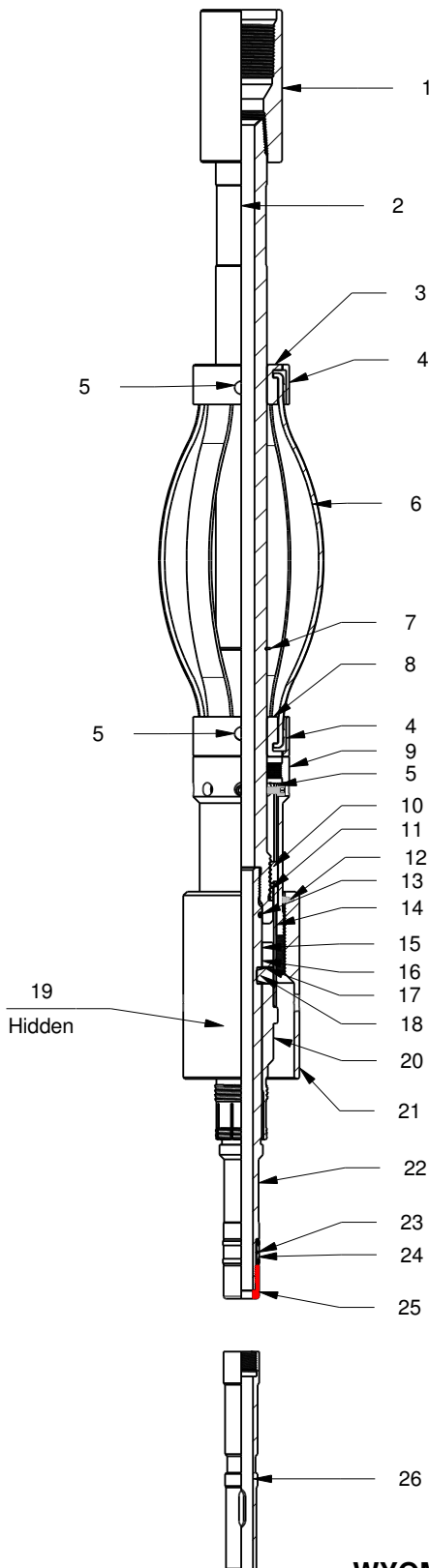
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08/28/2018

5 1/2" Mechanical Setting Tool - Bow Spring



Part #
45MST-B



PARTS & ASSEMBLY

Item #	Description	Qty	Part Name
1	Coupling	1	19NU23EU
2	Mandrel	1	43MST01-B
3	Upper Drag Body	1	43MST02-B
4	Bow Spring Retainer	2	43MST04-B
5	Socket Head Cap Screw	10	1/4" - 20 x 3/8"CAP
6	Bow Spring (20)	6	45MST06-B
7	Snap Ring	1	43MST07-B
8	Lower Drag Body	1	43MST03-B
9	Control Sleeve	1	43MST03
10	Control Nut	1	43MST04
11	Control Nut Clutch	1	43MST05
12	Set Screw	2	3/8-16 x 3/8
13	O-Ring	1	219-90D Nitrile
14	Retaining Sleeve	1	43MST07
15	Brass Shear Screw	2	1/4" - 20 x 1/2"B
16	Pin	2	43MST10
17	Dog	1	43MST15
18	Tension Spring	2	43MST16
19	Key	1	43MK2.75
20	Control Latch	1	43MST08
21	Setting Sleeve	1	45MST20
22	Stinger Sub Body	1	43MST09
23	O-Ring	1	024-90D Nitrile
24	Stinger Seal	1	43MST02
25	Thread Protector	1	43MST25
26	Stinger Sub	1	43MST12

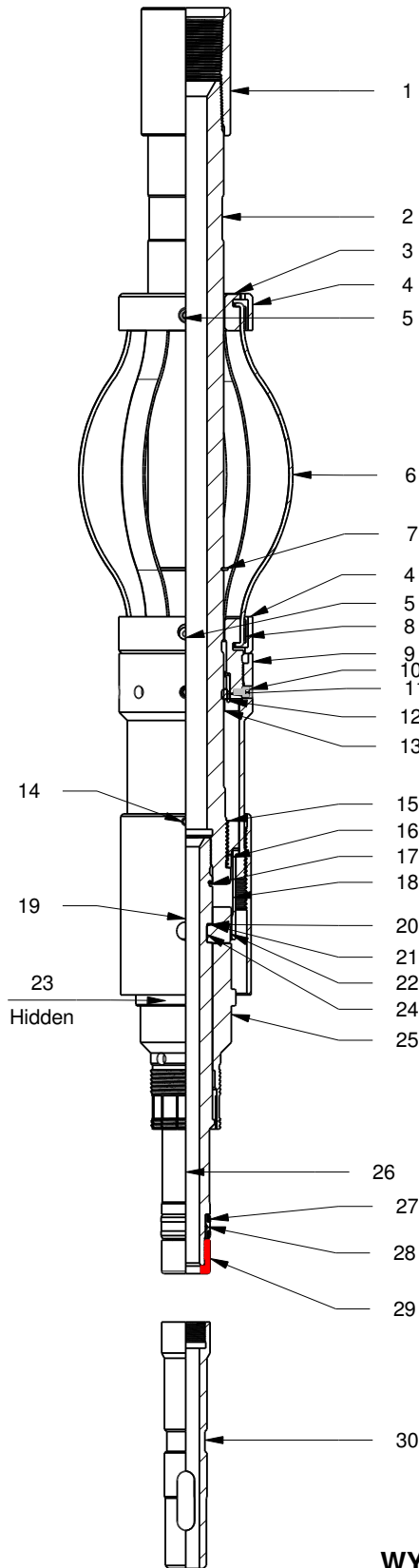
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6 5/8" & 7" Bow Spring Mechanical Setting Tool



Part #
46MST-B & 47MST-B



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	2-7/8" Coupler	1	27EC
2	Mandrel	1	47MST01-B
3	Upper Drag Body	1	47MST02-B
4	Bow Spring Retainer	2	47MST04-B
5	Cap Screw	6	5/16"-18 x 1/2" CAP
6	*Bow Spring	6	See Below
7	Retaining Ring	1	47MST07-B
8	Lower Drag Body	1	47MST03-B
9	Control Sleeve	1	47MST03
10	Socket Head Cap Screw	4	1/4" - 20 x 3/8" CAP
11	Snap Ring	1	47MST33-B
12	Drag Collar Insert	1	47MST38-B
13	Housing Support	1	47MST05-B
14	Set Screw	2	3/8" - 16 x 1/4"
15	Control Nut	1	47MST04
16	Control Nut Clutch	1	47MST05
17	O-Ring	1	225-90D Nitrile
18	Retaining Sleeve	1	47MST07
19	Setting Sleeve	1	47MST20
20	Brass Shear Screw	2	1/4" - 20 x 1/2" B
21	Pin	2	43MST10
22	Dog	1	47MST15
23	Key	1	43MK2.75
24	Tension Spring	2	47MST16
25	Control Latch	1	47MST08
26	Stinger Sub Body	1	47MST09
27	Stinger Seal	1	47MST02-A
28	O-Ring	1	030-90D Nitrile
29	Thread Protector	1	47MST28
30	Stinger Sub	1	47MST12

*** BOW SPRING SIZES - 47MST-B USES PART #47MST06-B (30)
46MST-B USES PART #45MST06-B (20)**

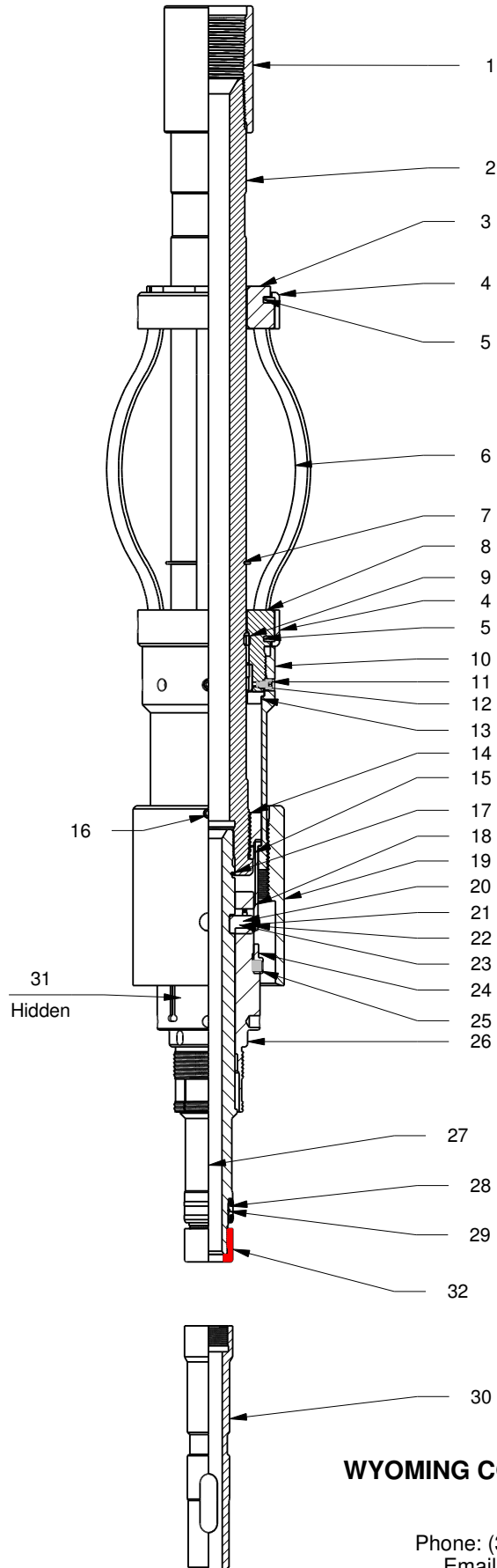
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7-5/8" MECHANICAL SETTING TOOL - BOW SPRING



Part #
48MST-B



48MST-B PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	2-7/8" Coupler	1	27EC
2	Mandrel	1	47MST01-B
3	Upper Drag Body	1	48MST02-B
4	Bow Spring Retainer	2	48MST04-B
5	Cap Screw	6	5/16"-18 x .5" CAP
6	Bow Spring	6	47MST06-B
7	Retaining Ring	1	47MST07-B
8	Lower Drag Body	1	48MST03-B
9	Snap Ring	1	47MST33-B
10	Control Nut Sleeve	1	47MST03
11	Socket Head Cap Screw	4	1/4" - 20 x 3/8" CAP
12	Drag Collar Insert	1	47MST38-B
13	Housing Support	1	47MST05-B
14	Control Nut	1	47MST04
15	Control Nut Clutch	1	47MST05
16	Set Screw	2	3/8"-16 x 3/8"
17	O-Ring	1	225-90D Nitrile
18	Retaining Sleeve	1	47MST07
19	Setting Sleeve	1	48MST20
20	Brass Shear Screw	2	1/4" - 20 x 1/2" B
21	Pin	2	43MST10
22	Dog	1	47MST15
23	Tension Spring	2	47MST16
24	Slip Adapter	1	48MST22
25	Set Screw	3	7/16" - 20 x 3/8
26	Control Latch	1	48MST08
27	Stinger Sub Body	1	47MST09
28	Stinger Seal	1	47MST02
29	O-Ring	1	030-90D Nitrile
30	Stinger Sub	1	47MST12
31	Machine Key	1	43MK2.75
32	Thread Protector	1	47MST28

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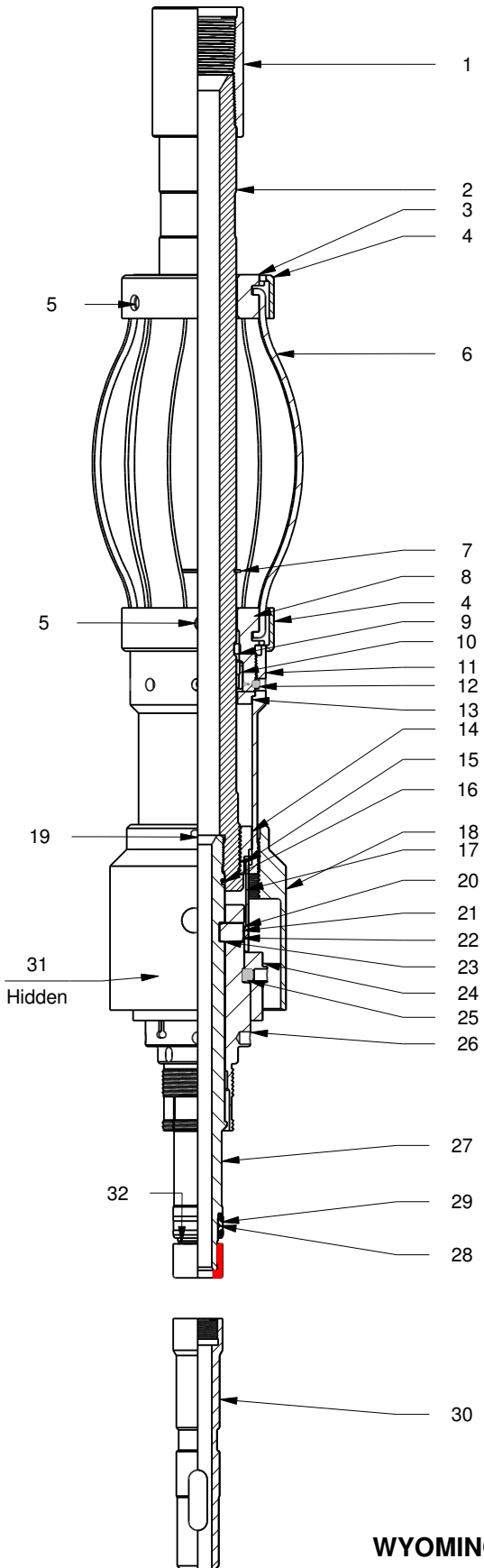
8-5/8" MECHANICAL SETTING TOOL - BOW SPRING



Part #
49MST-B

49MST-B PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	2-7/8" Coupler	1	27EC
2	Mandrel	1	47MST01-B
3	Upper Drag Body	1	49MST02-B
4	Bow Spring Retainer	2	49MST04-B
5	Cap Screw	6	5/16"-18 x 1/2" CAP
6	Bow Spring	6	49MST06-B
7	Retaining Ring	1	47MST07-B
8	Lower Drag Body	1	49MST03-B
9	Snap Ring	1	47MST33-B
10	Drag Collar Insert	1	47MST38-B
11	Control Nut Sleeve	1	47MST03
12	Socket Head Cap Screw	4	1/4" - 20 x 3/8" CAP
13	Housing Support	1	47MST05-B
14	Control Nut	1	47MST04
15	Control Nut Clutch	1	47MST05
16	O-Ring	1	225-90D Nitrile
17	Retaining Sleeve	1	47MST07
18	Setting Sleeve	1	49MST20
19	Set Screw	2	3/8" -16 x 3/8"
20	Brass Shear Screw	2	1/4" - 20 x 1/2" B
21	Pin	2	43MST10
22	Dog	1	47MST15
23	Tension Spring	2	47MST16
24	Slip Adapter	1	49MST22
25	Set Screw	3	7/16" - 20 x 3/8"
26	Control Latch	1	48MST08
27	Stinger Sub Body	1	47MST09
28	O-Ring	1	030-90D Nitrile
29	Stinger Seal	1	47MST02
30	Stinger Sub	1	47MST12
31	Machine Key	1	43MK2.75
32	Thread Protector	1	47MST28



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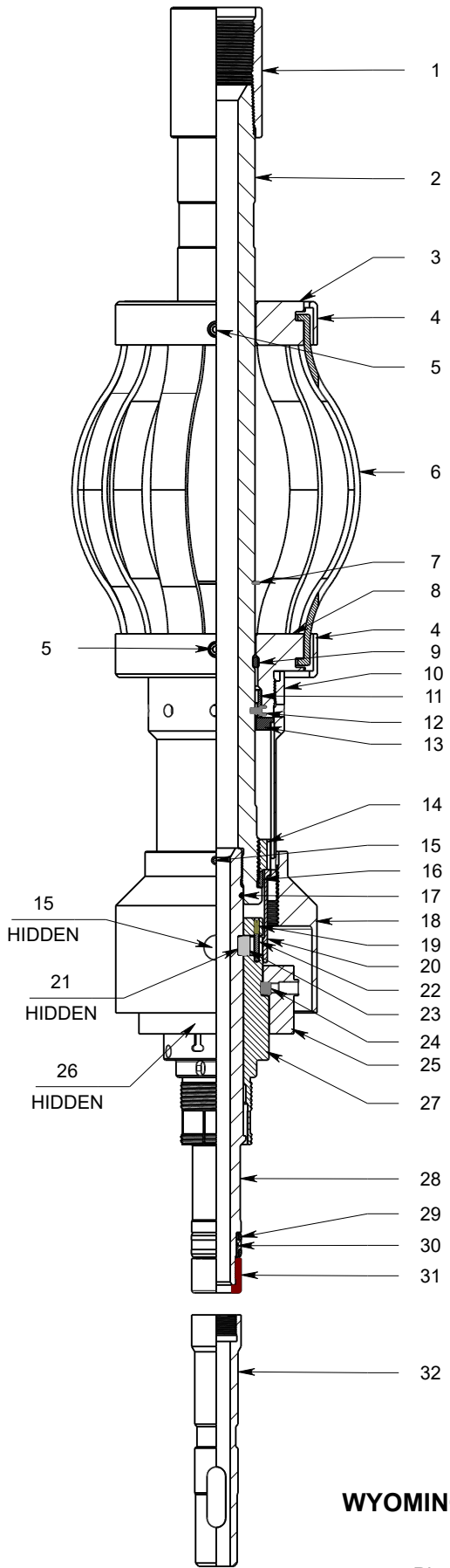
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9-5/8" MECHANICAL SETTING TOOL - BOW SPRING



Part #
51MST-B

PARTS & ASSEMBLY



Item #	Description	Qty	Part Name
1	2-7/8" COUPLING	1	27EC
2	MANDREL	1	47MST01-B
3	UPPER DRAG BODY	1	51MST02-B
4	BOW SPRING RETAINER	2	51MST04-B
5	STEEL CAP SCREW	6	5/16-18 x 1/2 CAP
6	BOW SPRING 50	9	51MST06-B
7	RETAINING RING	1	47MST07-B
8	LOWER DRAG BODY	1	51MST03-B
9	SNAP RING	1	47MST33-B
10	CONTROL NUT SLEEVE	1	47MST03
11	DRAG COLLAR INSERT	1	47MST38-B
12	STEEL CAP SCREW	4	1/4-20 X 3/8 CAP
13	HOUSING SUPPORT	1	47MST05-B
14	CONTROL NUT	1	47MST04P
15	STEEL SET SCREW	2	3/8-16 x 3/8
16	CONTROL NUT CLUTCH	1	47MST05
17	O-RING	1	225-90D Nitrile
18	SETTING SLEEVE	1	51MST20
19	BRASS SET SCREW	2	1/4-20 x 1/2 B
20	RETAINING SLEEVE	1	47MST07
21	TENSION SPRING	2	47MST16
22	3/16 x 1-1/4 HARDENED PIN	2	43MST10
23	DOG	1	47MST15
24	SET SCREW	3	7/16-20 X 3/8
25	SLIP ADAPTER	1	51MST22
26	KEY	1	43MK2.75
27	CONTROL LATCH	1	48MST08
28	STINGER SUB BODY	1	47MST09
29	STINGER SEAL	1	47MST02-A
30	O-RING	1	030-90D Nitrile
31	THREAD PROTECTOR	1	47MST28
32	STINGER SUB	1	47MST12

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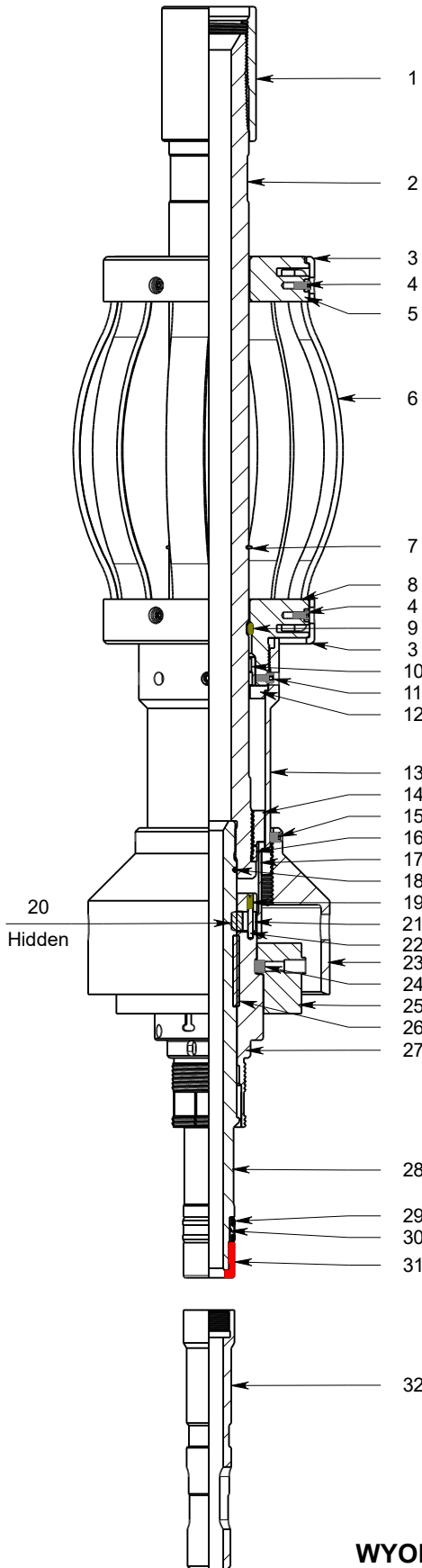
REV 2 - 05/25/2022

10-3/4" MECHANICAL SETTING TOOL - BOW SPRING



Part #
53MST-B

PARTS & ASSEMBLY



Item #	Description	QTY	Part Name
1	2-7/8" COUPLING	1	27EC
2	MANDREL	1	47MST01-B
3	BOW SPRING RETAINER	2	53MST04-B
4	STEEL CAP SCREW	6	5/16-18 x 1/2 CAP
5	UPPER DRAG BODY	1	53MST02-B
6	BOW SPRING (50)	9	49MST06-B
7	RETAINING RING	1	47MST07-B
8	LOWER DRAG BODY	1	53MST03-B
9	SNAP RING	1	47MST33-B
10	DRAG COLLAR INSERT	1	47MST38-B
11	STEEL CAP SCREW	4	1/4" - 20 x 3/8"
12	HOUSING SUPPORT	1	47MST05-B
13	CONTROL NUT SLEEVE	1	47MST03
14	CONTROL NUT	1	47MST04P
15	STEEL SET SCREW	2	3_8-16 x 3_8
16	CONTROL NUT CLUTCH	1	47MST05
17	RETAINING SLEEVE	1	47MST07
18	O-RING	1	225-90D Nitrile
19	BRASS SET SCREW	2	1/4" - 20 x 1/2"B
20	TENSION SPRING	2	47MST16
21	DOG	1	47MST15
22	3/16 x 1-1/4 HARDENED PIN	2	43MST10
23	SETTING SLEEVE	1	53MST20
24	SET SCREW	3	7/16" - 20 x 3/8"
25	SLIP ADAPTER	1	53MST22
26	KEY	1	43MK2.75
27	CONTROL LATCH	1	48MST08
28	STINGER SUB BODY	1	47MST09
29	STINGER SEAL	1	47MST02-A
30	O-RING	1	030-90D Nitrile
31	THREAD PROTECTOR	1	47MST28
32	STINGER SUB	1	47MST12

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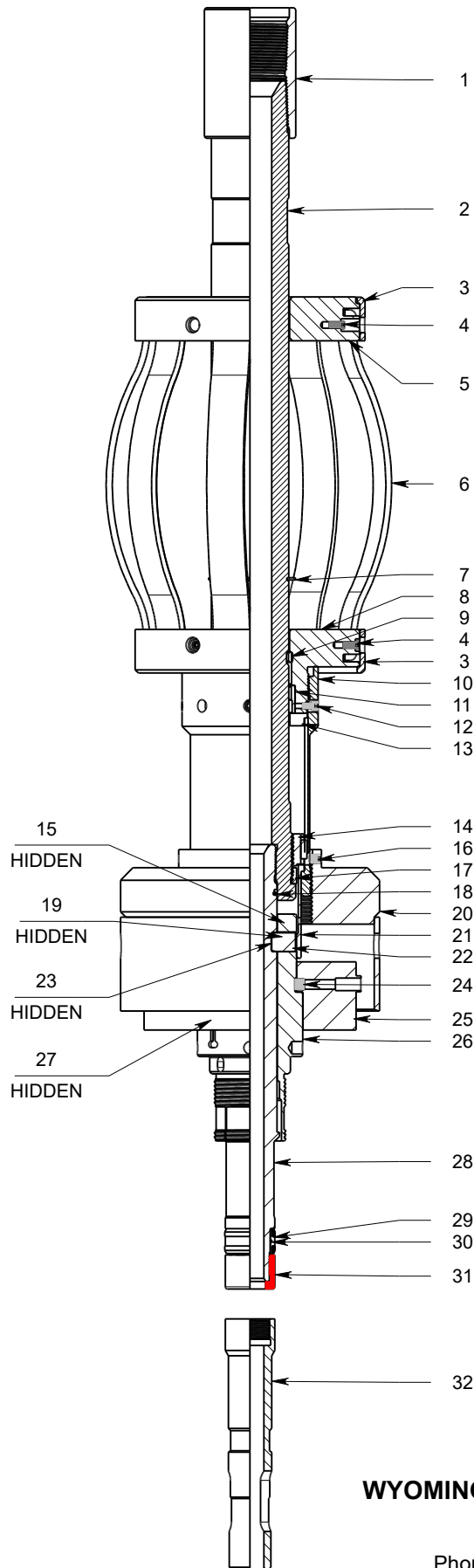
REV 2 - 05/25/2022

11-3/4" MECHANICAL SETTING TOOL - BOW SPRING



Part #
54MST-B

PARTS & ASSEMBLY



Item #	Description	QTY	Part Name
1	2-7/8" COUPLING	1	27EC
2	MANDREL	1	47MST01-B
3	BOW SPRING RETAINER	2	54MST04-B
4	STEEL CAP SCREW	6	5/16-18 x 1/2 CAP
5	UPPER DRAG BODY	1	54MST02-B
6	BOW SPRING (50)	9	49MST06-B
7	RETAINING RING	1	47MST07-B
8	LOWER DRAG BODY	1	54MST03-B
9	SNAP RING	1	47MST33-B
10	CONTROL NUT SLEEVE	1	47MST03
11	DRAG COLLAR INSERT	1	47MST38-B
12	STEEL CAP SCREW	4	1/4-20 X 3/8 CAP
13	HOUSING SUPPORT	1	47MST05-B
14	CONTROL NUT	1	47MST04P
15	BRASS SET SCREW	2	1/4-20 x 1/2 B
16	STEEL SET SCREW	2	3/8-16 x 3/8
17	CONTROL NUT CLUTCH	1	47MST05
18	O-RING	1	225-90D Nitrile
19	3/16 x 1-1/4 HARDENED PIN	2	43MST10
20	SETTING SLEEVE	1	54MST20
21	RETAINING SLEEVE	1	47MST07
22	DOG	1	47MST15
23	TENSION SPRING	2	47MST16
24	SET SCREW	3	7/16-20 X 3/8
25	SLIP ADAPTER	1	54MST22
26	CONTROL LATCH	1	48MST08
27	KEY	1	43MK2.75
28	STINGER SUB BODY	1	47MST09
29	STINGER SEAL	1	47MST02-A
30	O-RING	1	030-90D Nitrile
31	THREAD PROTECTOR	1	47MST28
32	STINGER SUB	1	47MST12

*** SPECIFY CASING WEIGHT: 38-60# or 60-83#**

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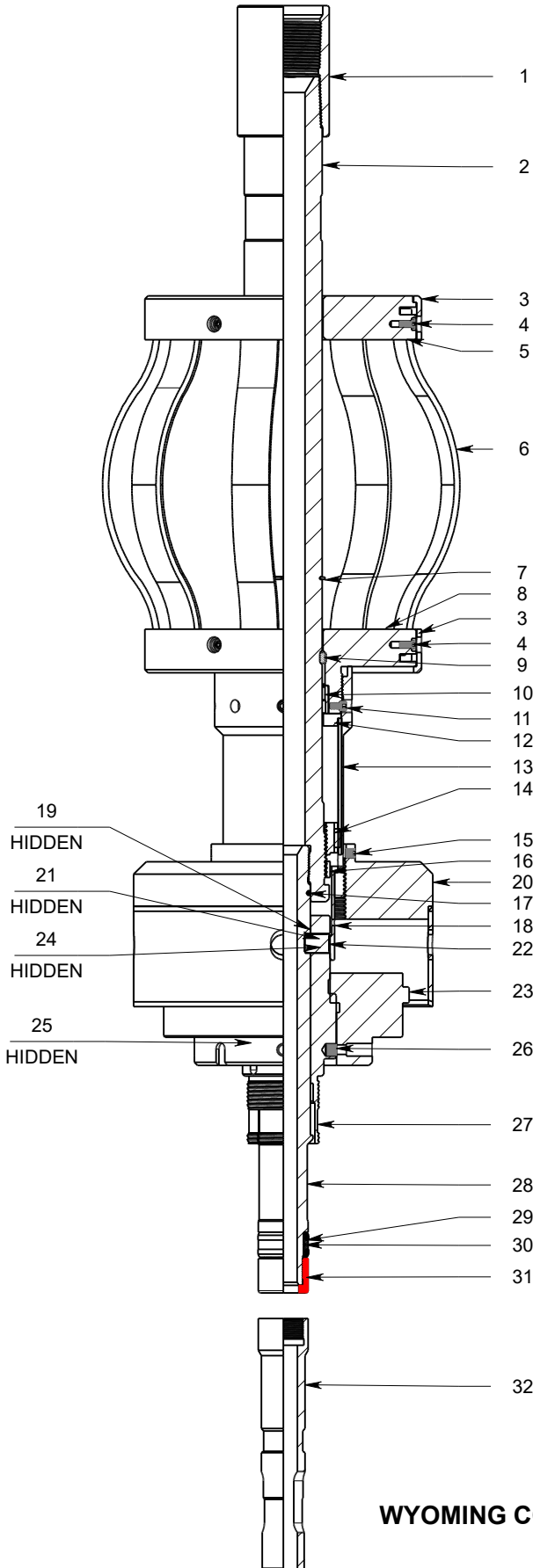
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REV 1 - 05/26/2022

13-3/8" BOW SPRING MECHANICAL SETTING TOOL



Part #
55MST-B



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	2-7/8" COUPLING	1	27EC
2	MANDREL	1	47MST01-B
3	BOW SPRING RETAINER	2	55MST04-B
4	STEEL CAP SCREW	6	5/16-18 x 1/2 CAP
5	UPPER DRAG BODY	1	55MST02-B
6	BOW SPRING 50	9	51MST06-B
7	RETAINING RING	1	47MST07-B
8	LOWER DRAG BODY	1	55MST03-B
9	SNAP RING	1	47MST33-B
10	DRAG COLLAR INSERT	1	47MST38-B
11	STEEL CAP SCREW	4	1/4-20 X 3/8 CAP
12	HOUSING SUPPORT	1	47MST05-B
13	CONTROL NUT SLEEVE	1	47MST03
14	CONTROL NUT	1	47MST04P
15	STEEL SET SCREW	2	3/8-16 x 3/8
16	CONTROL NUT CLUTCH	1	47MST05
17	O-RING	1	225-90D Nitrile
18	RETAINING SLEEVE	1	47MST07
19	TENSION SPRING	2	47MST16
20	SETTING SLEEVE	1	55MST20
21	BRASS SET SCREW	2	1/4-20 x 1/2 B
22	DOG	1	47MST15
23	SLIP ADAPTER	1	55MST22
24	3/16 x 1-1/4 HARDENED PIN	2	43MST10
25	KEY	1	43MK2.75
26	SET SCREW	4	7/16 -20 X 3/8
27	CONTROL LATCH	1	48MST08
28	STINGER SUB BODY	1	47MST09
29	STINGER SEAL	2	47MST02
30	O-RING	1	030-90D Nitrile
31	THREAD PROTECTOR	1	47MST28
32	STINGER SUB	1	47MST12

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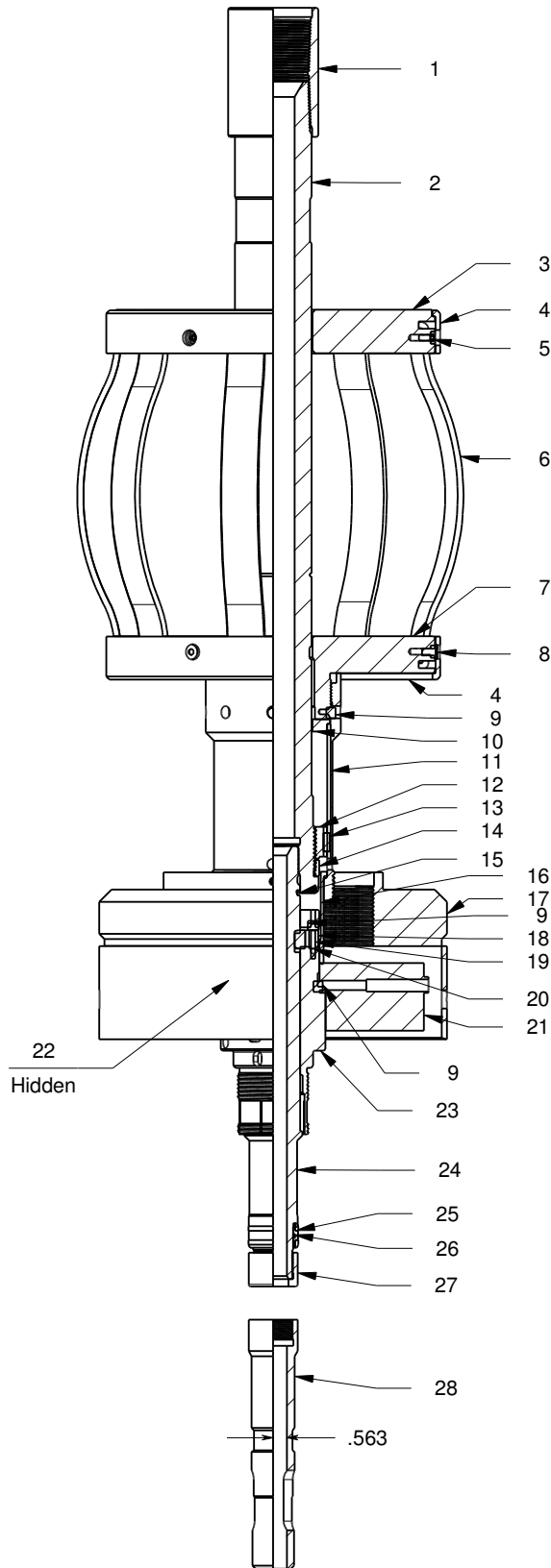
REV 2 - 05/26/2022

16" BOW SPRING MECHANICAL SETTING TOOL



Part #
57MST-B

PARTS & ASSEMBLY



Item #	Description	QTY	Part Name
1	2-7/8" Coupler	1	27EC
2	Mandrel	1	47MST01-B
3	Upper Drag Body	1	57MST02-B
4	Bow Spring Retainer	2	57MST04-B
5		4	5_16-18 x .5 CAP
6	Bow Spring (50)	9	49MST06-B
7		1	57MST03-B
8	Taper Head Screw	2	5_16-18 x .5 TPR
9	Set Screw	11	7_16-20 X .375
10	Housing Support	1	47MST05-B
11	Control Nut Sleeve	1	47MST03
12	Control Nut	1	47MST04P
13	Key	1	47MK.75
14	Control Nut Clutch	1	47MST05
15	O-Ring	1	225-90D Nitrile
16	Retaining Sleeve	1	47MST07
17	Setting Sleeve	1	57MST20
18	Dog	1	47MST15
19	Pin	2	43MST10
20	Tension Spring	2	47MST16
21	Slip Adapter	1	57MST22
22	Machine Key	1	43MK2.75
23	Control Latch	1	48MST08
24	Stinger Sub Body	1	47MST09
25	Stinger Seal	1	47MST02
26	O-Ring	1	030-90D Nitrile
27	Thread Protector	1	47MST28
28	Stinger Sub	1	47MST12

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Stinger Assembly



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Stinger Assembly is available as a standard Snap-out Seal Assembly (SSA) or a J-type Snap-out Seal Assembly (JSA). The stinger assembly is a tubing conveyed, latching seal assembly of the highest quality that is used to operate the sliding valve in a cement retainer.

FEATURES/BENEFITS

- Gives positive indication of stinger location
- Permits high pressure tubing tests
- Deters seals from pumping out of the retainer
- Multiple safety release by rotation or snap-out

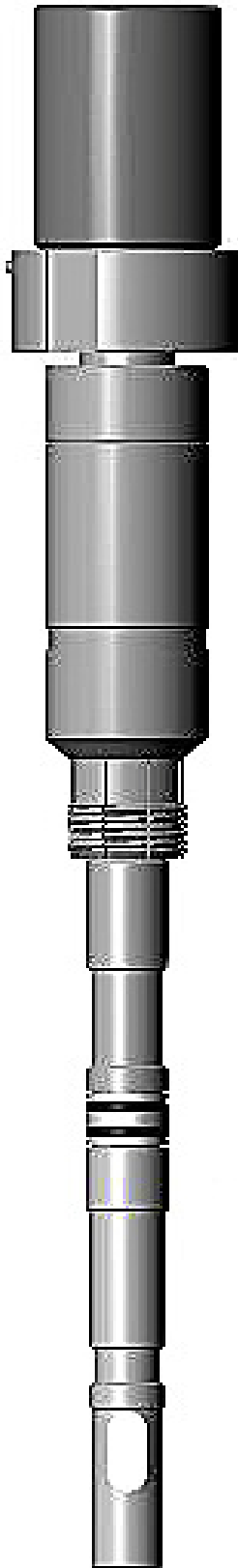
TECHNICAL DATA

SSA-STINGERS

TOOL	CASING O.D. (INCHES)	TOOL SIZE	TOOL O.D. (INCHES)	THREAD
23CRST	2-3/8"	2-3/8"	1.660	1.315" NU 10 RND
27CRST	2-7/8"	2-7/8"	2.220	1-1/4" NU 10 RND
	3-1/2"		2.220	
23SSA-43	4-1/2"	2-3/8"	3.75	2-3/8 EU 8 RND
23SSA-44	5"		4.12	
23SSA-45	5-1/2"		4.50	
27SSA-45	5-1/2"	2-7/8"	4.50	2-7/8 EU 8 RND
27SSA-47	7"		5.25	
27SSA-48	7-5/8"		5.90	
27SSA-49	8-5/8"		7.08	
27SSA-51	9-5/8"		8.12	
27SSA-53	10-3/4"		9.38	
27SSA-54	11-3/4"		10.38	
27SSA-55	13-3/8"		11.93	

JSA-STINGERS

TOOL	CASING O.D. (INCHES)	TOOL SIZE	TOOL O.D. (INCHES)	THREAD
23JSA-43	4-1/2"	2-3/8"	3.75	2-3/8 EU 8 RND
23JSA-44	5"		4.12	
23JSA-45	5-1/2"		4.50	
27JSA-47	7"	2-7/8"	5.25	2-7/8 EU 8 RND
27JSA-48	7-5/8"		5.90	
27JSA-49	8-5/8"		7.08	
27JSA-51	9-5/8"		8.12	
27JSA-53	10-3/4"		9.38	
27JSA-54	11-3/4"		10.38	
27JSA-55	13-3/8"		11.93	
			11.93	



WYOMING COMPLETION TECHNOLOGIES, INC.

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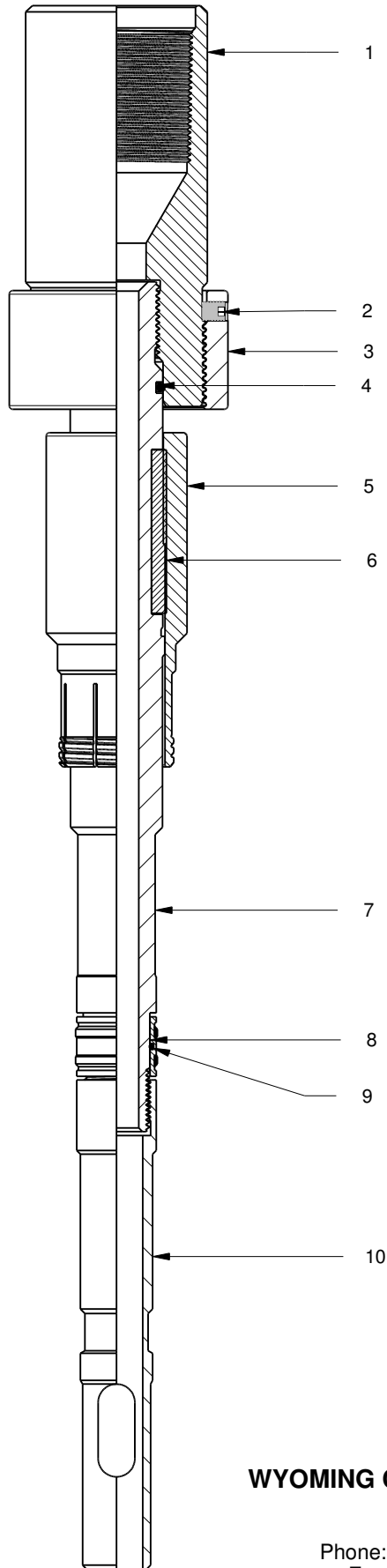
Email: sales@wyomingcompletions.com

Website: www.wyomingcompletions.com

2-3/8" SNAP-OUT STINGER ASSEMBLY



Part #
23SSA



PARTS AND ASSEMBLY

Item #	Description	QTY	Part Name
1	TOP SUB	1	23SSA01
2	STEEL SET SCREW	3	5/16-18 x 3/8
3	GUIDE RING	1	23SSA06*
4	O-RING	1	219-90D Nitrile
5	LATCH	1	23SSA05
6	KEY	1	43MK2.75
7	STINGER MANDREL	1	23SSA02
8	STINGER SEAL	1	43MST02-A
9	O-RING	1	024-90D Nitrile
10	STINGER SUB	1	43MST12

* SPECIFY CASING SIZE (4-1/2" THROUGH 5-1/2")

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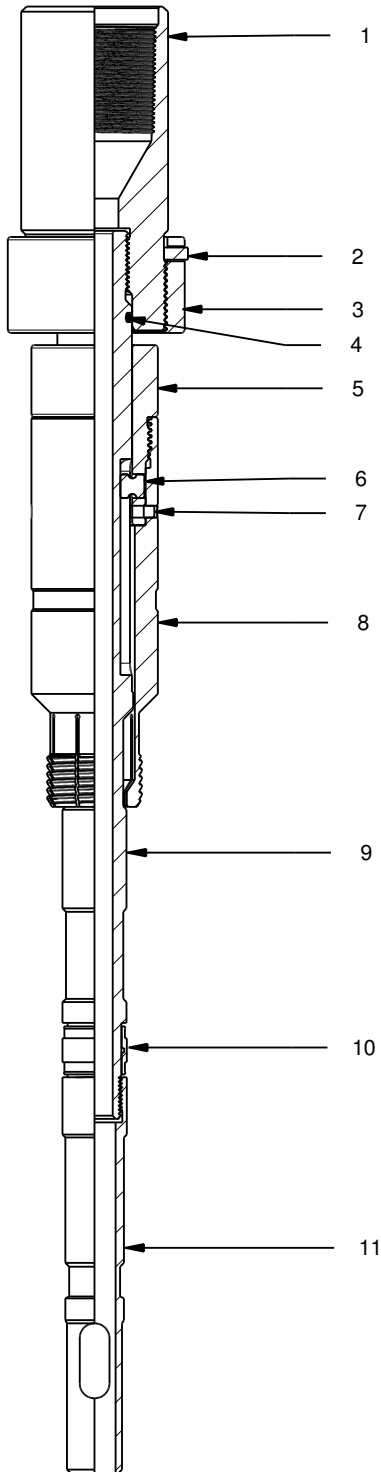
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04/27/2017-KW

2-3/8" J-TYPE STINGER ASSEMBLY



Part #
23JSA



PARTS AND ASSEMBLY

Item	Description	Qty	Part Name
1	TOP SUB	1	23SSA01
2	SET SCREW	1	5/16-18 x 1/2
3	GUIDE RING	1	23SSA06*
4	O-Ring	1	219-90D Nitrile
5	J PIN RETAINER	1	23JSA03
6	PIN	2	23JSA04
7	SET SCREW	2	5/16-18 x 5/16
8	LATCH	1	23JSA05
9	J-TYPE STINGER MANDREL	1	23JSA02
10	STINGER SEAL	1	43MST02
11	STINGER SUB	1	43MST12

* SPECIFY CASING SIZE (4-1/2" THROUGH 5-1/2")

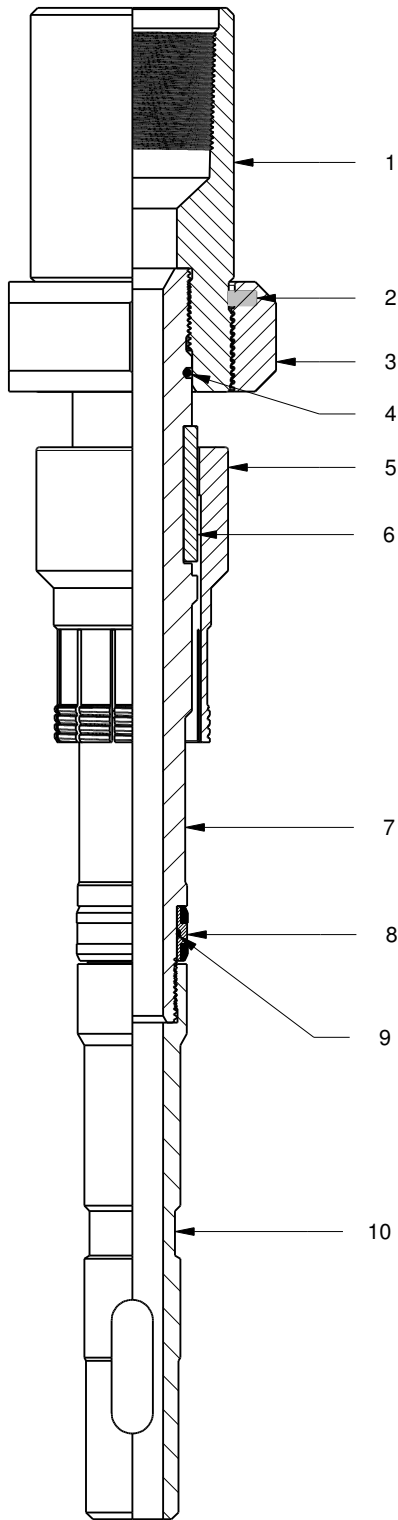
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Website: wyomingcompletions.com

2-7/8" SNAP-OUT STINGER ASSEMBLY



Part #
27SSA



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	Top Sub	1	27SSA01
2	Set Screw	3	5/16-18 x 1/2
3	Guide Ring	1	27SSA06 *
4	O-Ring	1	225-90D Nitrile
5	Latch	1	27SSA05
6	Key	1	.25x.25x2.47
7	Stinger Mandrel	1	27SSA02
8	Stinger Seal	1	47MST02
9	O-Ring	1	030-90D Nitrile
10	Stinger Sub	1	47MST12

*** SPECIFY CASING SIZE (6-5/8" AND LARGER)**

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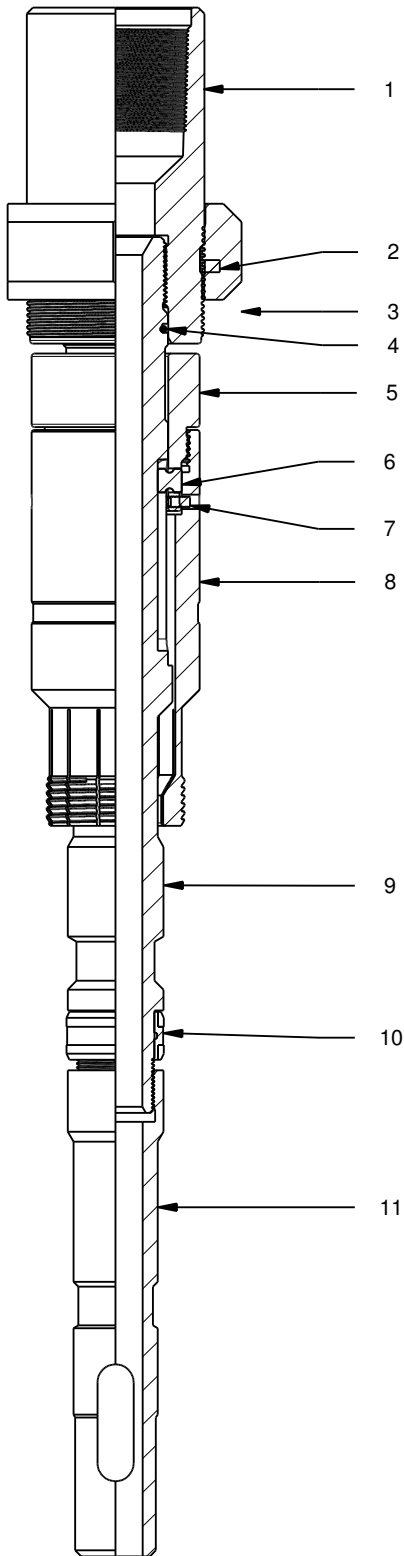
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04/27/2017-KW

2-7/8" J-TYPE STINGER ASSEMBLY



Part #
27JSA



PARTS AND ASSEMBLY

Item	Description	Qty	Part Name
1	Top Sub	1	27SSA01
2	Set Screw	2	.5/16 - 18 x 1/2
3	Guide Ring	1	27SSA06*
4	O-Ring	1	225-90D Nitrile
5	J Pin Retainer	1	27JSA03
6	Pin	2	23JSA04
7	Set Screw	2	5/16-18 x 5/16
8	Latch	1	27JSA05
9	J-Type Stinger Mandrel	1	27JSA02
10	Stinger Seal	1	47MST02
11	Stinger Sub	1	47MST12

* SPECIFY CASING SIZE (6-5/8" AND UP)

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04/27/2017-KW

HYDRAULIC SETTING TOOL



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Hydraulic Setting Tool allows the cement retainer to be run in and hydraulically set on drill pipe, coiled tubing or threaded tubing. No rotation is required to set or release from the cement retainer making it ideal for coiled tubing applications. The Hydraulic Setting Tool also allows the tool to be set.

FEATURES/BENEFITS

- Allows Cement Retainers and Bridge Plugs to be set
- No rotation required
- Controlled slow set
- Designed for coiled tubing but can also be run on threaded tubing or drill pipe
- Collet snap latch prevents premature closure of sleeve valve

TECHNICAL DATA

PRODUCT #	CASING OD	TOOL SIZE	TOOL OD
	Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>
175HST	2-3/8 – 3-1/2	1-3/4	1.75
	60.33 – 88.90	44.45	44.45
23HST	4-1/2 - 5-1/2	2-3/8	3.625
	114.3 - 139.7	60.33	92.08
27HST	6-5/8 - 20	2-7/8	4.375
	168.3 - 508	73.03	111.13

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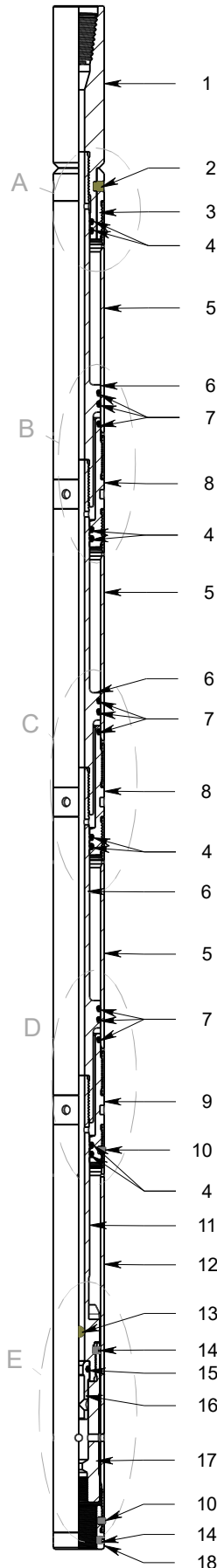
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1-3/4" HYDRAULIC SETTING TOOL



Part # 175HSTA PAGE 1 of 2



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	TOP SUB	1	175HST01
2	BRASS SHEAR SCREW	2	5/16-24 x 5/16 B
3	CYLINDER CAP	1	175HST15
4	O-RING	12	210-90D Nitrile
5	CYLINDER	3	175HST02
6	PISTON	3	175HST04
7	O-RING	9	218-90D Nitrile
8	UPPER COUPLING	2	175HST03
9	LOWER COUPLING	1	175HST09
10	STEEL SET SCREW	2	10-32 x 1/4
11	BALL SEAT HOUSING	1	175HST10
12	PUSH SLEEVE	1	175HST12
13	3/8" BRONZE BALL	1	175HST08
14	STEEL SET SCREW	3	1/4 - 20 x 1/4
15	O-RING	1	206-90D Nitrile
16	BALL SEAT	1	175HST11
17	ADAPTER SUB	1	175HST13
18	ADAPTER SLEEVE	1	175HST14

*** TO INCREASE SHEAR STRENGTH, REPLACE BRASS SHEAR SCREWS WITH STEEL.**

WYOMING COMPLETION TECHNOLOGIES, INC.

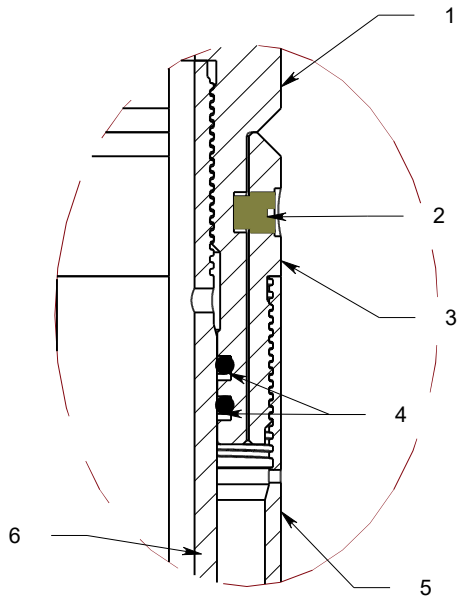
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REV 0 - 05/26/2022

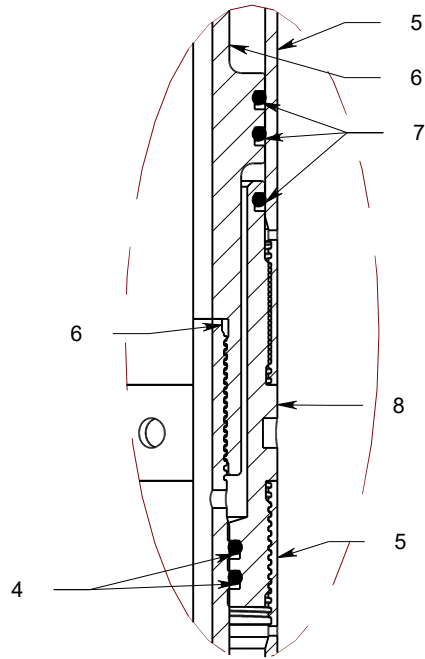
1-3/4" HYDRAULIC SETTING TOOL



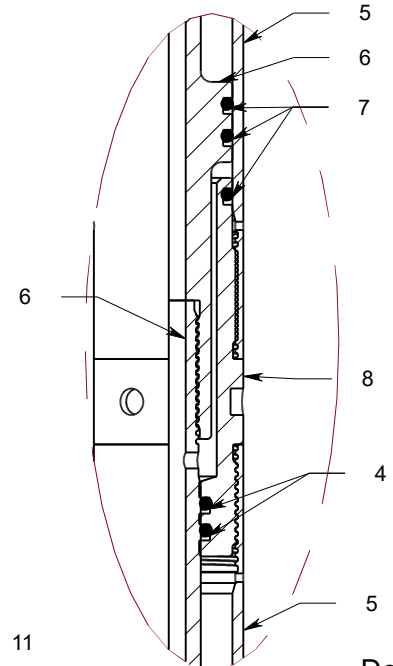
Part # 175HSTA - DETAILS PAGE 2 of 2



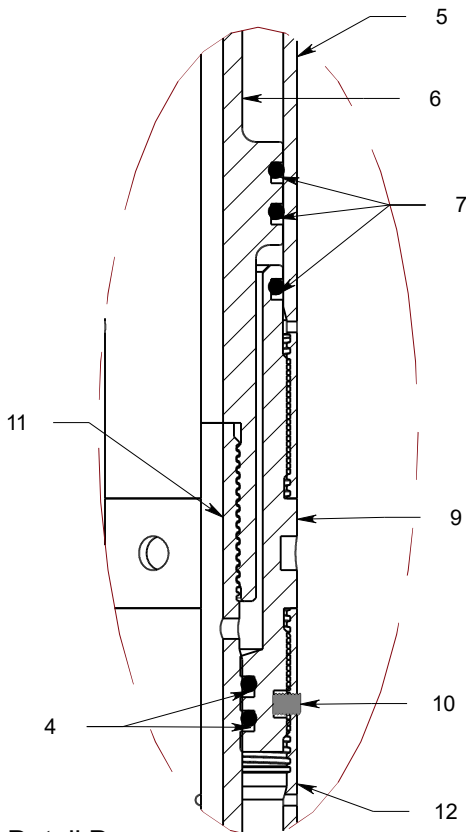
Detail A



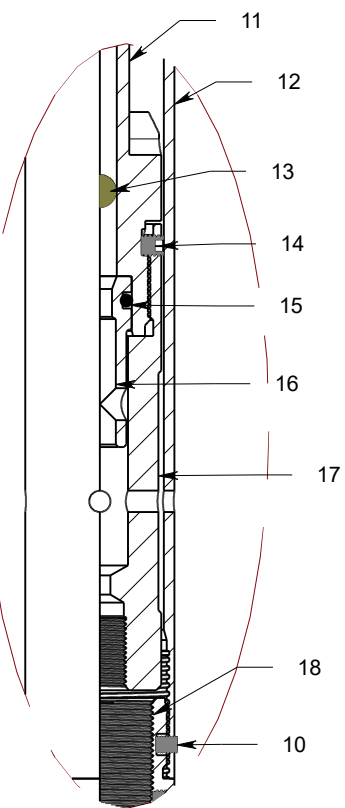
Detail B



Detail C



Detail D



Detail E

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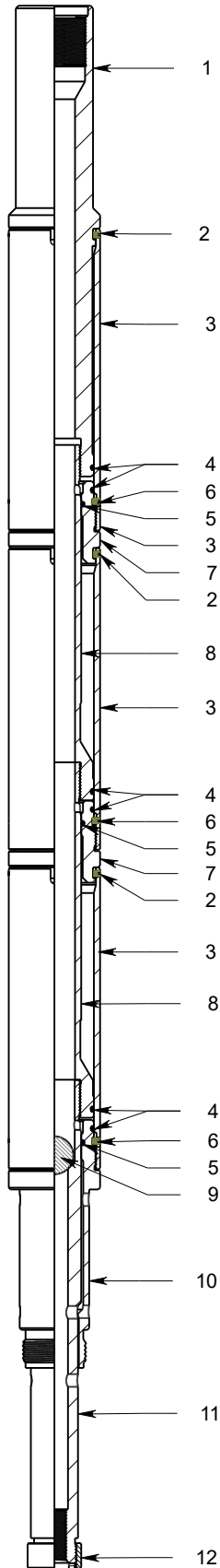
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REV 0 - 05/26/2022

2-3/8" HYDRAULIC SETTING TOOL



Part #
23HSTA



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	TOP SUB	1	23HST01
2	BRASS SET SCREW	6	1/4 - 20 x 1/4 B
3	CYLINDER	3	23HST02
4	O-RING	6	233-90D Nitrile
5	O-RING	3	227-90D Nitrile
6	BRASS SET SCREW	6	1/4-20 x 5/16 B
7	COUPLING	2	23HST03
8	PISTON	2	23HST04
9	BALL	1	23HST08
10	BOTTOM SUB	1	23HST05
11	MANDREL	1	23HST06
12	THREAD PROTECTOR	1	23HST07

*** TO INCREASE SHEAR STRENGTH, REPLACE BRASS SHEAR SCREWS WITH STEEL.**

WYOMING COMPLETION TECHNOLOGIES, INC.

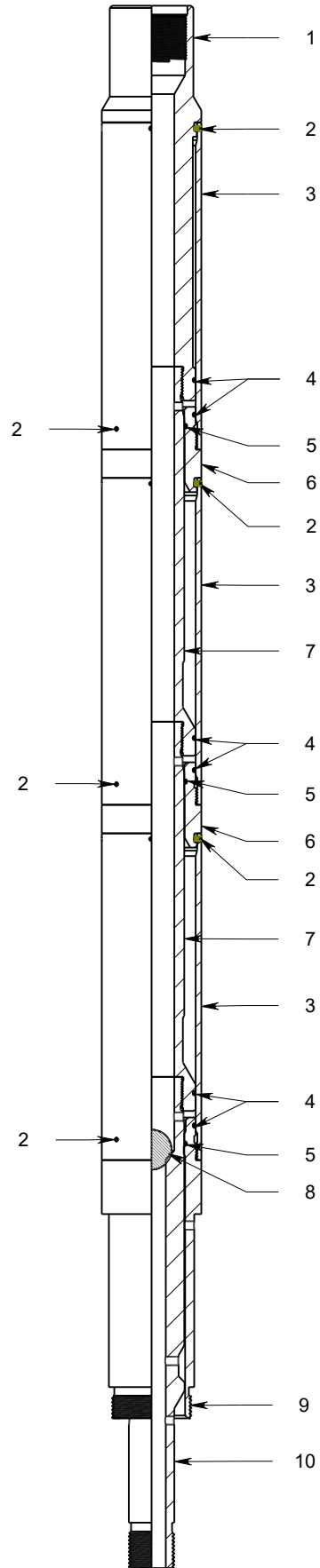
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rev 1 - 05/26/2022

2-7/8" HYDRAULIC SETTING TOOL



Part #
27HSTA



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	TOP SUB	1	27HST01
2	BRASS SET SCREW	18	1/4 - 20 x 5/16 B
3	CYLINDER	3	27HST02
4	O-RING	6	239-90D Nitrile
5	O-RING	3	233-90D Nitrile
6	COUPLING	2	27HST03
7	ROD	2	27HST04
8	BALL	1	27HST08
9	BOTTOM SUB	1	27HST05
10	MANDREL	1	27HST06

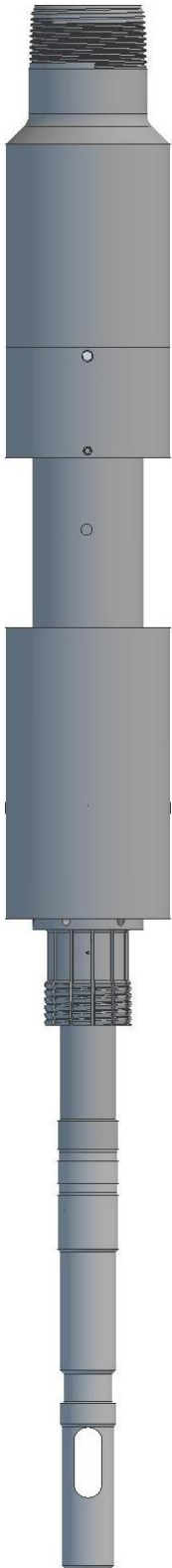
*** TO INCREASE SHEAR STRENGTH, REPLACE BRASS SHEAR SCREWS WITH STEEL.**

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REV 2 - 06/02/2022

SINGLE TRIP HYDRAULIC SETTING TOOL (STHST)



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Single Trip Hydraulic Setting Tool (STHST) is designed to set cement retainers and circulate cement without the need for rotation or multiple trips. To set, apply a combination of hydraulic pressure and upstrain. The setting tool can set in the well using coiled tubing, tubing, or drill pipe.

FEATURES/BENEFITS

- Single stage hydraulic piston
- Retainer can be set, tested and cement can be circulated all in one trip
- No rotation required
- Balances with wellbore fluids automatically
- Coiled tubing, tubing, or drill pipe conveyed
- Hydraulically activated by applied pressure
- Can withstand high tensile loads

TECHNICAL DATA

TYPE 'A' BRIDGE PLUG / CEMENT RETAINER TOOL SIZE Inches mm	STHST PRODUCT # Inches/ mm	STHST TOOL OD Inches/ mm
4-1/2 114.30	43STHST	3.620 91.948
5.0 127.0		

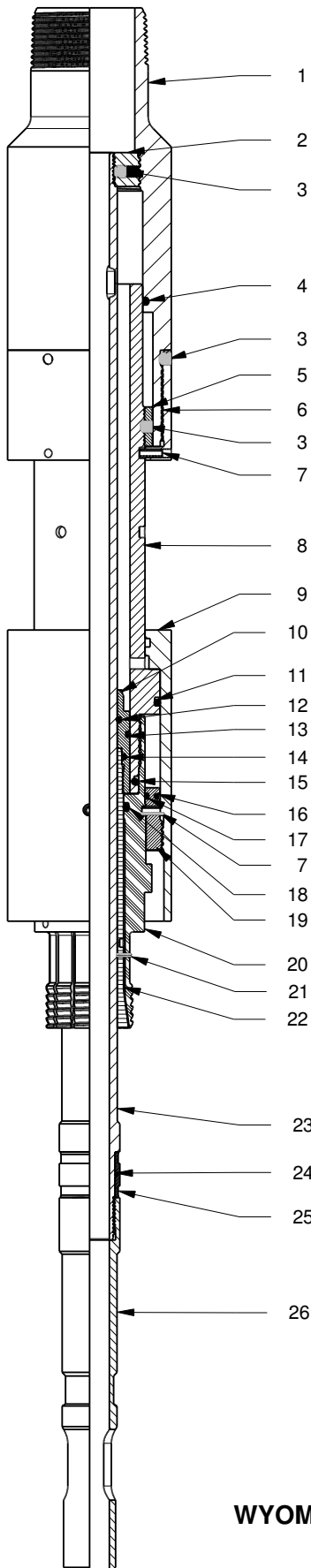
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4-1/2" SINGLE TRIP HYDRAULIC SETTING TOOL



Part #
43STHST



43STHST PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	X-Over Sub	1	43STHST-01
2	Stinger Sub Top Nut	1	43STHST-04
3	Steel Set Screw	5	1/2-20 X 1/4
4	O-Ring	1	229-90D Nitrile
5	X-Over Stop	1	43STHST-03
6	X-Over Retainer	1	43STHST-02
7	Slotted Spring Pin	5	3/16 x 1/2
8	Control Body Top	1	43STHST-06
9	Setting Sleeve	1	43STHST-20
10	Swage Piston	1	43STHST-08
11	O-Ring	1	233-90D Nitrile
12	O-Ring	1	123-90D Nitrile
13	O-Ring	1	130-90D Nitrile
14	O-Ring	1	127-90D Nitrile
15	O-Ring	1	225-90D Nitrile
16	O-Ring	1	150-90d Nitrile
17	O-Ring	1	143-90D Nitrile
18	O-Ring	1	222-90D Nitrile
19	Stop Nut	1	43STHST-11
20	Control Body Bottom	1	43STHST-07
21	Slotted Spring Pin	1	1/16 x 5/16
22	Swage Body	1	43STHST-10
23	Stinger Sub Body	1	43STHST-09
24	O-Ring	1	024-90D Nitrile
25	Stinger Seal	1	43MST02-A
26	Stinger Sub	1	43MST12

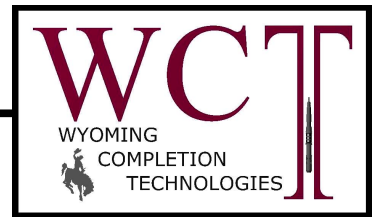
WYOMING COMPLETION TECHNOLOGIES, INC.

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01/24/2017-KW

COMPOSITE BRIDGE PLUG

SIZES 2-3/8" – 6-5/8"



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES 10K Composite Bridge Plug provides a cost-effective alternative to temporarily isolate multiple zones for fracturing, or other treatments. The composite material allows for quicker drill times and less formation damage. Interlocking tapers on the top and bottom prevent plug remnants from rotating while removing multiple plugs.

FEATURES/BENEFITS

- Cost effective & dependable
- Proven nitrile elastomer element system
- One piece, full circle slips
- Quick and easy drill-up
- Inter-locking taper on both top and bottom
- Tested at 350° F and 10,000 psi

APPLICATIONS

- Temporary zone isolation
- Temporary plug

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
23CCBP	2-3/8 60.33	2.074 52.68	1.780 45.21	4 – 5.8 5.95 – 8.63	1.75 44.45
27CCBP	2-7/8 73.03	2.441 62.00	2.347 59.61	6.4- 7.8 9.52 – 11.61	2.23 56.64
35CCBP	3-1/2 88.90	3.068 77.93	2.992 76.00	5.75 – 10.3 8.56 – 15.33	2.76 70.10
43CCBP	4-1/2 114.3	4.09 103.88	3.82 97.18	9.5 – 15.1 14.1 – 22.5	3.61 91.7
44CCBP	5 127	4.56 115.8	4.27 108.5	11.5 -18 17.1 – 26.8	3.93 99.8
45CCBP	5-1/2 139.7	5.04 128.12	4.55 115.44	13 – 23 19.3 – 34.2	4.31 109.5
45CCBP-B	5-1/2 139.7	5.04 128.12	4.65 18.19	13 – 20 19.3 – 29.8	4.50 114.3
46CCBP	6-5/8 168.3	6.13 409.82	5.58 141.73	17 - 34.5 25.3 - 51.3	5.38 136.7

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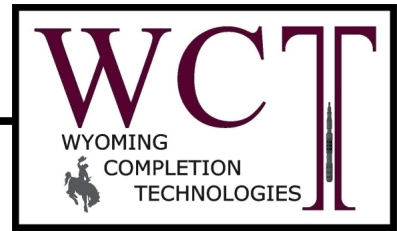
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Website: www.wyomingcompletions.com

COMPOSITE BRIDGE PLUG

SIZES 7” – 13-3/8”



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES 10K Composite Bridge Plug provides a cost-effective alternative to temporarily isolate multiple zones for fracturing, or other treatments. The composite material allows for quicker drill times and less formation damage. Interlocking tapers on the top and bottom prevent plug remnants from rotating while removing multiple plugs.

FEATURES/BENEFITS

- Cost effective & dependable
- Proven nitrile elastomer element system
- One-piece, full circle slips
- Quick and easy drill-up
- Inter-locking taper on both top and bottom
- Tested at 350° F and 10,000 psi

APPLICATIONS

- Temporary zone isolation
- Temporary plug

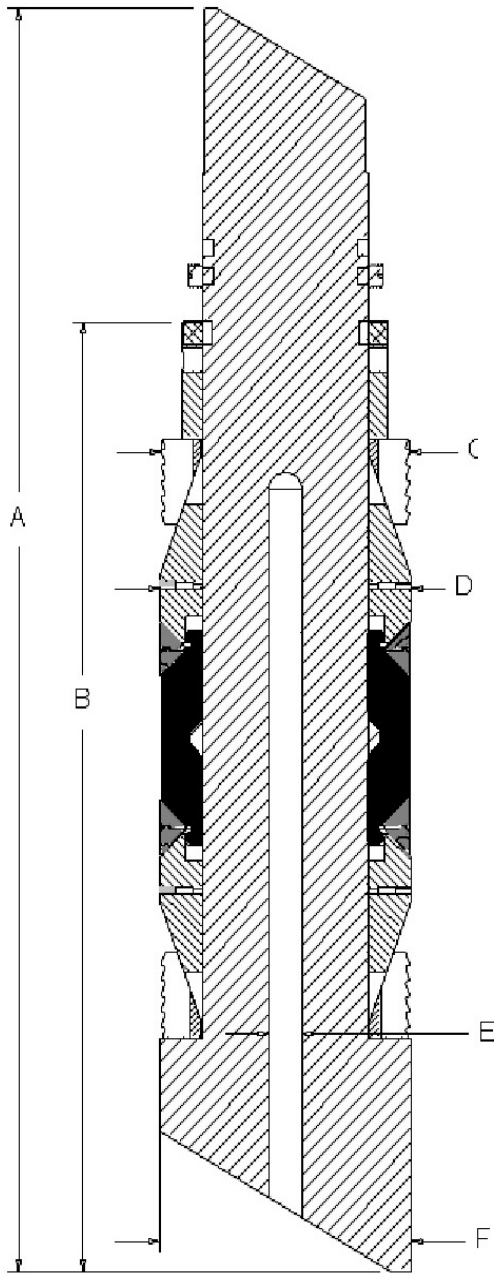
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
47CCBP	7 177.8	6.530 166.06	6.000 152.40	17 – 35 25.3 – 52.1	5.69 144.5
48CCBP	7-5/8 193.68	7.250 184.15	6.620 168.15	20 – 39 29.76 – 58.04	6.31 160.27
49CCBP	8-5/8 219.1	8.090 205.66	7.430 188.72	24 - 52 35.7 - 77.4	5.69 144.5
51CCBP	9-5/8 244.5	9.060 230.20	8.370 212.59	29.3 – 61.1 43.6 – 90.9	8.12 206.20
55CCBP	13-3/8 339.73	12.715 322.96	12.191 309.65	48 – 72 71.43 – 107.15	12.00 304.80

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COMPOSITE BRIDGE PLUG



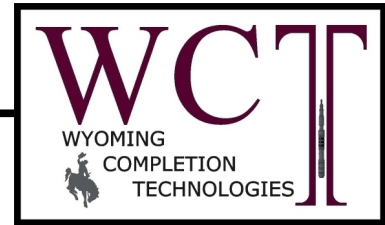
COMPOSITE BRIDGE PLUG LENGTHS & DIAMETERS

<i>TOOL</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>
43CCBP	21.38	17.34	3.50	3.61	.50	3.61
44CCBP	21.38	17.63	3.87	3.93	.50	3.93
45CCBP	22.99	19.25	4.25	4.31	.50	4.31
47CCBP	26.46	20.35	5.63	5.69	.75	5.69
48CCBP	28.48	22.36	6.25	6.31	1.00	6.31
49CCBP	27.88	21.76	7.11	7.12	1.25	7.12
51CCBP	28.50	22.15	8.10	8.12	1.75	8.12

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COMPOSITE FRAC PLUG



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES 10K Composite Frac Plug provides a cost-effective alternative to temporarily isolate multiple zones for fracturing, or other treatments. The composite material allows for quicker drill times and less formation damage. Interlocking tapers on the top and bottom prevent plug remnants from rotating while removing multiple plugs.

FEATURES/BENEFITS

- Cost effective & dependable
- Nitrile elastomer element system
- One-piece, full circle slips
- Quick and easy drill-up
- Inter-locking taper on both top and bottom
- Tested at 350° F and 10,000 psi

APPLICATIONS

- Temporary zone isolation
- Fracturing
- Temporary plug

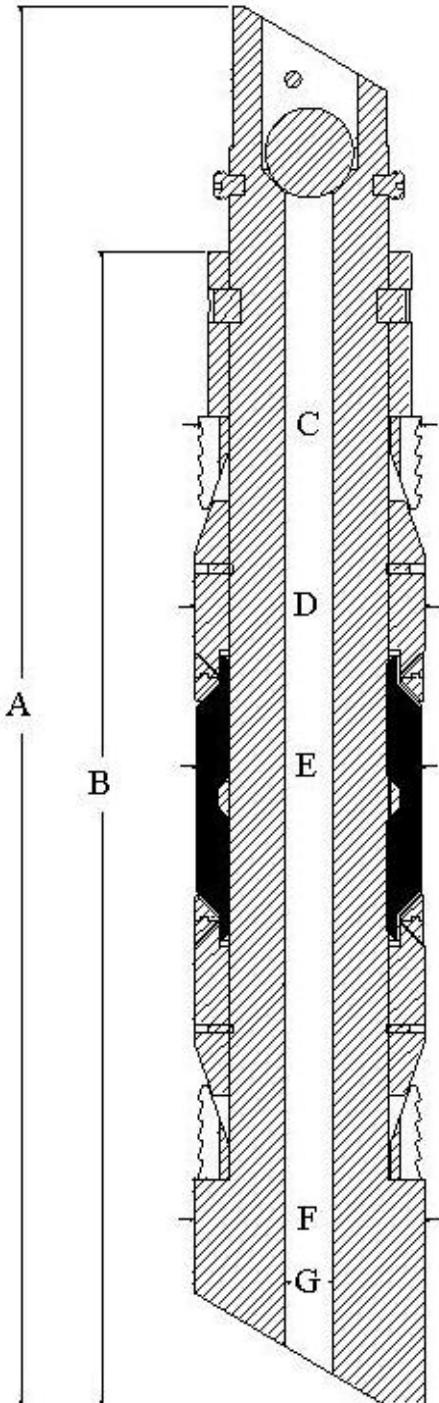
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43CCFP	4-1/2 114.3	4.09 103.88	3.82 97.18	9.5 – 15.1 14.1 – 22.5	3.61 91.7
44CCFP	5 127	4.56 115.8	4.27 108.5	11.5 – 18 17.1 – 26.8	3.93 99.8
45CCFP	5-1/2 139.7	5.04 128.12	4.55 115.44	13 – 23 19.3 – 34.2	4.31 109.5
45CCFPB	5-1/2 139.7	5.04 128.12	4.65 118.19	13 – 20 19.3 – 29.8	4.50 114.3
47CCFP	7 177.8	6.53 166.06	6.00 152.40	17 – 35 25.3 – 52.1	5.69 144.5
49CCFP	8-5/8 219.1	8.09 205.66	7.43 188.72	24 – 52 35.7 – 77.4	5.69 144.5
51CCFP	9-5/8 244.5	9.06 230.20	8.37 212.59	29.3 – 61.1 43.6 – 90.9	8.12 206.3

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COMPOSITE FRAC PLUG



COMPOSITE FRAC PLUG LENGTHS & DIAMETERS

<i>TOOL</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>
43CCFP	23.50	19.65	3.50	3.61	3.58	3.59	0.75
44CCFP	21.38	17.63	3.88	3.93	3.90	3.93	0.75
45CCFP	24.73	20.98	4.25	4.31	4.31	4.25	1.00
45CCFPB	24.73	20.98	4.25	4.5	4.25	4.31	1.00
47CCFP	28.70	22.22	5.63	5.69	5.62	5.69	1.00
49CCFP	27.058	20.938	5.63	5.69	5.62	5.68	1.00
51CCFP	28.507	22.157	8.093	8.12	8.12	8.12	1.75

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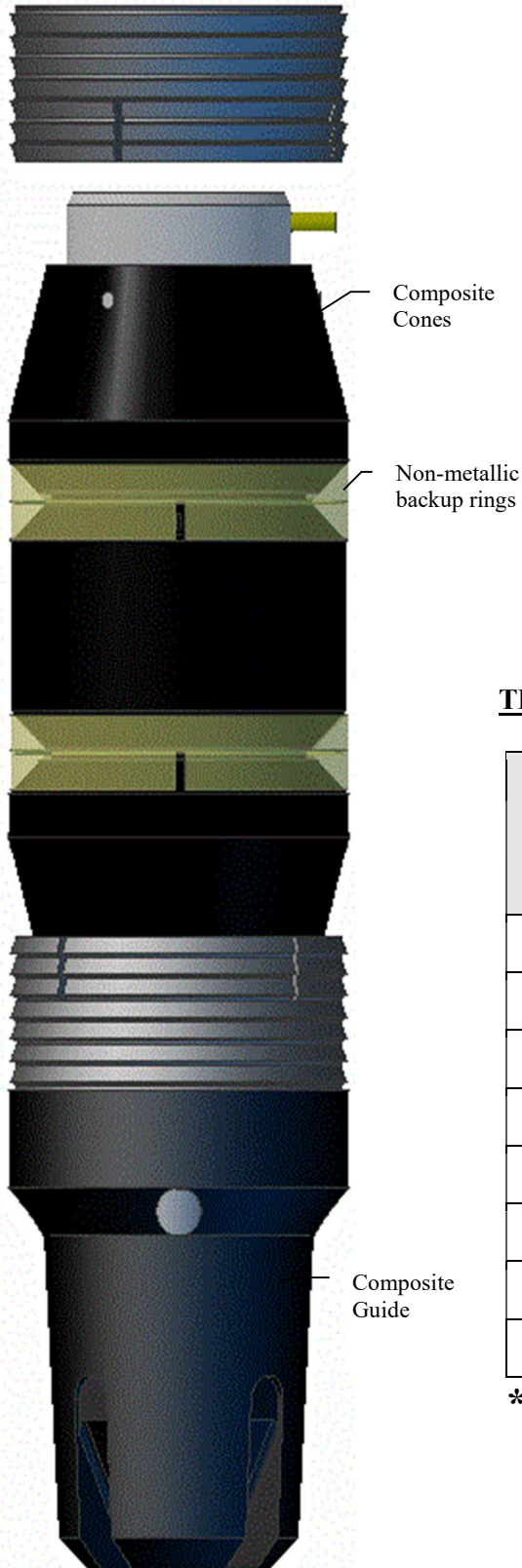
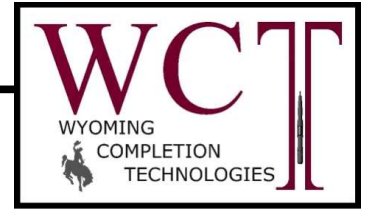
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COMPOSITE CEMENT RETAINER

SIZES 2-3/8" – 6-5/8"



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Composite Cement Retainer provides a cost-effective alternative as a dependable tubing or wireline set drillable retainer. The composite material allows for quicker drill times, less drill bit wear, and less formation damage. One-piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Composite cones, guide, and unique non-metal back-up rings
- Simple surface control valve
- Allows pressure testing before squeeze
- Reliable sliding valve automatically closes when the stinger is removed, locking in the squeeze pressure
- Valve protects sensitive zones in low fluid wells
- Simple conversion to bridge plug
- Mechanical or wireline set
- Easily drilled

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
*23CCRA-W	2-3/8 60.33	2.074 52.68	1.780 45.21	4 – 5.8 5.95 – 8.63	1.75 44.45
*27CCRA-W	2-7/8 73.03	2.441 62.00	2.347 59.61	6.4 – 7.8 9.52 – 11.61	2.23 56.64
*35CCRA-W	3-1/2 88.90	3.258 82.75	2.867 72.82	5.75 – 10.3 8.56 – 15.33	2.76 70.10
43CCR	4-1/2 114.30	4.090 103.89	3.820 97.03	9.5 – 15.1 14.14 – 22.47	3.61 91.69
44CCR	5 127.00	4.560 115.82	4.276 108.61	11.5 -18 17.11 – 26.79	3.93 99.82
45CCR	5-1/2 139.70	5.044 128.12	4.670 118.62	13 – 23 19.35 – 34.23	4.31 109.47
45CCR- 4.5	5-3/4 146.05	5.190 131.83	4.860 123.44	17 – 22.5 25.30 – 33.48	4.50 114.30
46CCR	6-5/8 168.28	6.130 155.70	5.580 141.73	17 – 34.5 25.30 – 51.34	5.38 136.65

*- Uses a spring loaded poppet valve. All other cement retainers listed are equipped with sliding valves

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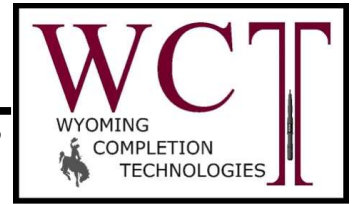
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COMPOSITE CEMENT RETAINER

SIZES 7" – 13-3/8"



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Composite Cement Retainer provides a cost-effective alternative as a dependable tubing or wireline set drillable retainer. The composite material allows for quicker drill times, less drill bit wear, and less formation damage. One-piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Composite cones, guide, and unique non-metal back-up rings
- Simple surface control valve
- Allows pressure testing before squeeze
- Reliable sliding valve automatically closes when the stinger is removed, locking in the squeeze pressure
- Valve protects sensitive zones in low fluid wells
- Simple conversion to bridge plug
- Mechanical or wireline set

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
47CCR	7 177.80	6.530 165.86	6.000 152.40	17 – 35 25.30 – 52.09	5.69 144.53
47CCR- 6.0	7-3/4 196.85	6.560 166.62	6.250 158.75	46.1 – 52.5 68.60 – 78.13	6.00 152.40
48CCR	7-5/8 193.68	7.250 184.15	6.620 168.15	20 – 39 29.76 – 58.04	6.31 160.27
49CCR	8-5/8 219.08	8.090 205.49	7.430 188.72	24 – 52 35.7 – 77.38	7.12 180.85
51CCR	9-5/8 244.48	9.060 230.12	8.370 212.60	29.3 – 61.1 43.6 – 90.93	8.12 206.25
53CCR	10-3/4 273.05	10.192 258.88	9.660 245.36	32.7 – 60.7 48.66 – 90.33	9.44 239.78
54CCR	11-3/4 298.45	11.150 283.21	10.772 273.61	38 – 60 56.55 – 89.29	10.43 264.92
55CCR	13-3/8 339.73	12.715 322.96	12.191 309.65	48 – 72 71.43 – 107.15	12.00 304.80

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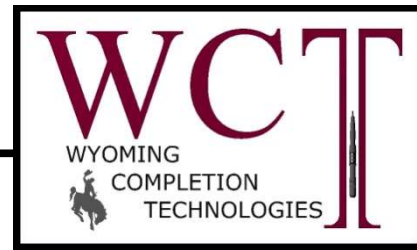
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SEMI-COMPOSITE CEMENT RETAINER



Mechanical Semi-Composite Cement Retainer Shown

DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIE Semi-Composite Cement Retainer provides a cost-effective alternative as a dependable tubing or wireline set drillable retainer. The composite material allows for quicker drill times, less drill bit wear, and less formation damage. One-piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Composite cones and unique non-metal back-up rings
- Simple surface control valve
- Allows pressure testing before squeeze
- Reliable sliding valve automatically closes when the stinger is removed, locking in the squeeze pressure
- Valve protects sensitive zones in low fluid wells
- Simple conversion to bridge plug
- Mechanical or wireline set
- Easily drilled

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43SCCR	4-1/2 114.30	4.090 103.89	3.820 97.03	9.5 – 15.1 14.14 – 22.47	3.61 91.69
44SCCR	5 127.00	4.560 115.82	4.276 108.61	11.5 -18 17.11 – 26.79	3.93 99.82
45SCCR	5-1/2 139.70	5.044 128.12	4.670 118.62	13 – 23 19.35 – 34.23	4.31 109.47
45SCCR-4.5	5-3/4 146.05	5.190 131.83	4.860 123.44	17 – 22.5 25.30 – 33.48	4.50 114.30
46SCCR	6-5/8 168.28	6.130 155.70	5.580 141.73	17 – 34.5 25.30 – 51.34	5.38 136.65
47SCCR	7 177.80	6.530 165.86	6.000 152.40	17 – 35 25.30 – 52.09	5.69 144.53
47SCCR-6.0	7-3/4 196.85	6.560 166.62	6.250 158.75	46.1 – 52.5 68.60 – 78.13	6.00 152.40
48SCCR	7-5/8 193.68	7.250 184.15	6.620 168.15	20 – 39 29.76 – 58.04	6.31 160.27
49SCCR	8-5/8 219.08	8.090 205.49	7.430 188.72	24 – 52 35.72 – 77.38	7.12 180.85
51SCCR	9-5/8 244.48	9.060 230.12	8.370 212.60	29.3 – 61.1 43.60 – 90.93	8.12 206.25
53SCCR	10-3/4 273.05	10.192 258.88	9.660 245.36	32.7 – 60.7 48.66 – 90.33	9.44 239.78
54SCCR	11-3/4 298.45	11.150 283.21	10.772 273.61	38 – 60 56.55 – 89.29	10.43 264.92
55SCCR	13-3/8 339.73	12.715 322.96	12.191 309.65	48 – 72 71.43 – 107.15	12.00 304.80

WYOMING COMPLETION TECHNOLOGIES, INC.

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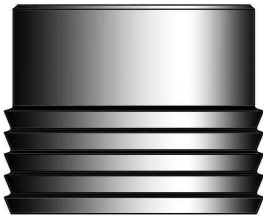
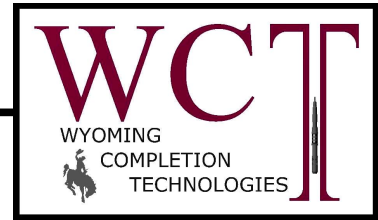
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ALUMINUM SEMI-COMPOSITE CEMENT RETAINER



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Aluminum Cement Retainer is a dependable tubing or wire-line set drillable retainer. One-piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Aluminum mandrel and guide
- Composite back-up rings and cones
- Simple surface control valve
- Allows pressure testing before squeeze
- Valve automatically closes when the stinger is removed, locking in the squeeze pressure
- Valve protects sensitive zones in low fluid wells
- Simple conversion to a bridge plug
- Mechanical or wire-line set
- Easily drilled

TECHNICAL DATA

PRODUCT # M= Mechanical W= Wire-line	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43SCCR-M/W-AL	4-1/2	4.090	3.820	9.5 – 15.1	3.61
	114.30	103.89	97.03	14.14 – 22.47	91.69
44SCCR-M/W-AL	5	4.560	4.276	11.5 – 18	3.93
	127.00	115.82	108.61	17.11 – 26.79	99.82
45SCCR-M/W-AL	5-1/2	5.044	4.670	13 – 23	4.31
	139.70			128.12	
	5-3/4	146.05	118.62	21.9- 24.4	109.47
				32.59 - 36.31	
47SCCR-M/W-AL	7	6.530	6.000	17 – 35	5.69
	177.80	165.86	152.40	25.30 – 52.09	144.53
51SCCR-M/W-AL	9-5/8	9.060	8.370	29.3 – 61.1	8.12
	244.48	230.12	212.60	43.60 – 90.93	206.25

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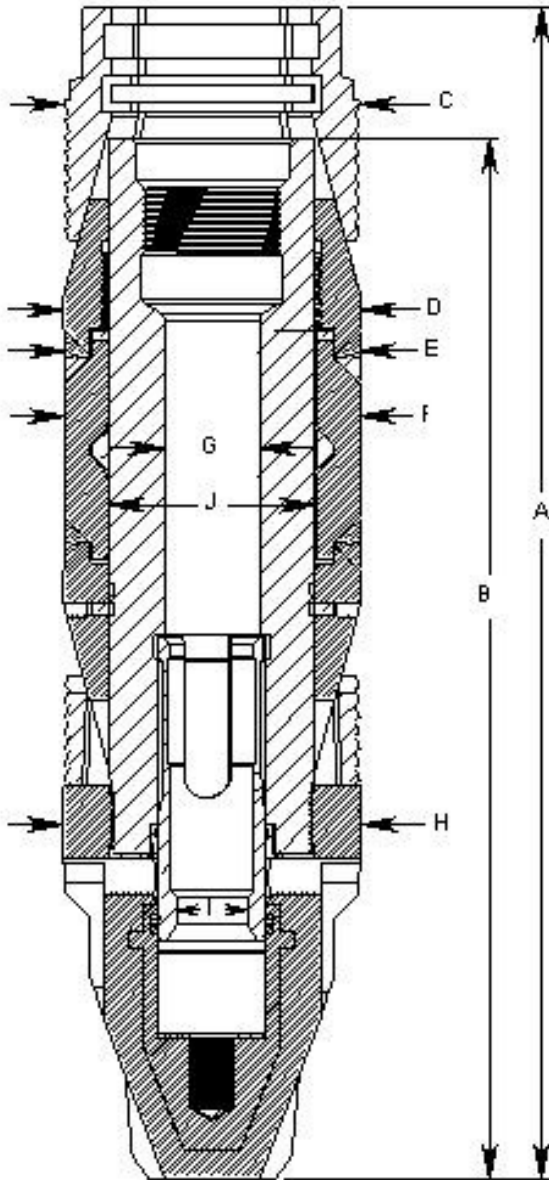
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4 1/2" – 7 5/8" CEMENT RETAINERS LENGTHS & DIAMETERS



PRODUCT #	SIZE	MEASUREMENT								
		A	B	C	D	E	F	G	H	I
43SCCR-M/W	4 1/2" 114.31	<u>22.31</u> 20.99	22.87	7.07	7.13	7.11	7.13	1.35	7.13	1.51
44SCCR-M/W	5" 127.01	<u>22.31</u> 20.99	22.85	8.07	8.13	8.12	8.12	1.35	8.13	1.51
45SCCR-M/W	5 1/2" 139.72	<u>21.67</u> 20.32	22.79	9.38	9.44	9.44	9.42	1.35	9.44	1.51
47SCCR-M/W	7" 177.82	<u>23.58</u> 22.62	22.87	11.96	11.99	12.00	11.92	2.02	11.99	1.51
48SCCR-M/W	7 5/8" 193.70	<u>25.00</u> 22.72	25.95	14.09	14.12	14.11	14.09	2.02	14.12	1.51

Dark-hatching indicates non-metallic materials.

7-5/8" Mechanical Semi-Composite
Cement Retainer Displayed

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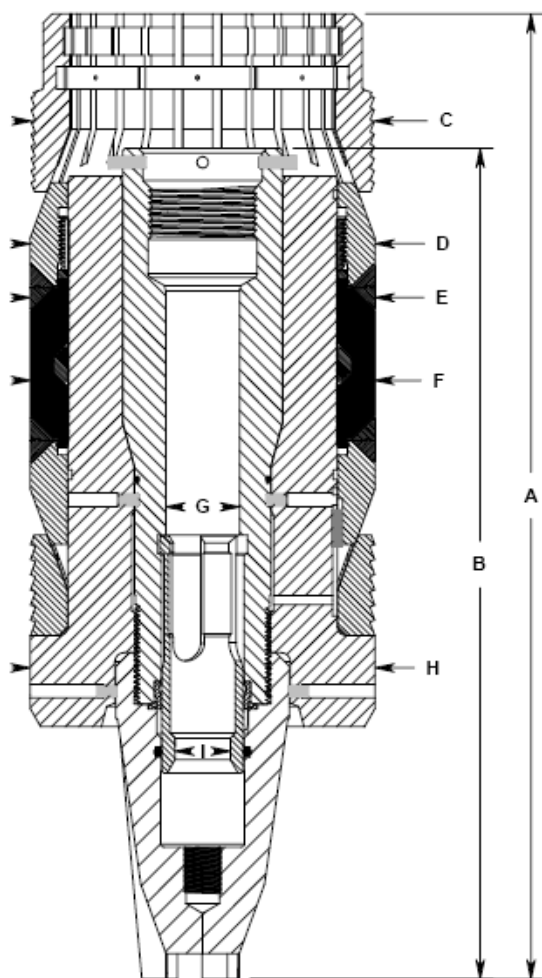
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8-5/8" – 13-3/8" CEMENT RETAINERS LENGTHS & DIAMETERS



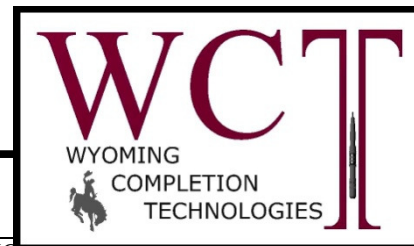
TECHNICAL DATA

PRODUCT #	SIZE	MEASUREMENT								
		A	B	C	D	E	F	G	H	I
49SCCR-M/W	8-5/8 219.1	26.55	22.87	7.07	7.13	7.11	7.13	2.01	7.13	1.51
51SCCR-M/W	9-5/8 244.5	26.11	22.85	8.07	8.13	8.12	8.12	2.01	8.13	1.51
53SCCR-M/W	10-3/4 273.1	26.48	22.79	9.38	9.44	9.44	9.42	2.01	9.44	1.51
54SCCR-M/W	11-3/4 298.45	25.84	22.85	10.37	11.99	10.43	11.92	2.02	10.43	1.51
55SCCR-M/W	13-3/8 339.8	26.44	22.87	11.96	11.99	12.00	11.92	2.02	11.99	1.51

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SEMI-COMPOSITE BRIDGE PLUG



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Semi-Composite Bridge Plug provides a cost-effective alternative as a dependable tubing or wireline set drillable plug. The composite material allows for quicker drill times, less drill bit wear, and less formation damage. One-piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Composite cones and unique non-metal back-up rings
- Cost effective & dependable
- Allows pressure testing before squeeze
- Nitrile elastomer element system
- Materials are compatible with P-110 casing
- Simple conversion to cement retainer
- Mechanical or wireline set
- Easily drilled

TECHNICAL DATA

PRODUCT # Available as Mechanical or Wireline Set	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43SCCP	4-1/2 114.3	4.09 103.9	3.82 97.18	9.5 – 15.1 14.1 – 22.5	3.61 91.7
44SCCP	5 127	4.56 115.8	4.27 108.5	11.5 -18 17.1 – 26.8	3.93 99.8
45SCCP	5-1/2 139.7	5.04 128.1	4.67 118.6	13 – 23 19.5 – 34.2	4.31 109.5
45SCCP-4.5	5-3/4 146.1	5.19 131.8	4.86 123.4	17 – 22.5 25.3 – 33.5	4.5 114.3
46SCCP	6-5/8 168.3	6.13 409.82	5.58 141.73	17 – 34.5 25.3 – 51.3	5.38 136.7
47SCCP	7 177.8	6.53 166.1	6.00 152.4	17 – 35 25.3 – 52.1	5.69 144.5
47SCCP-6.0	7-3/4 196.9	6.56 166.7	6.25 158.7	46.1 – 52.5 68.7 – 78.2	6.00 152.4
48SCCP	7-5/8 193.7	7.25 181.0	6.62 168.1	20 – 39 29.76 – 58	6.31 160.3
49SCCP	8-5/8 219.1	8.09 205.66	7.43 188.72	24 – 52 35.7 – 77.4	7.12 180.9
51SCCP	9-5/8 244.5	9.06 230.2	8.37 212.6	29.3 – 61.1 43.6 – 90.9	8.12 212.1
53SCCP	10-3/4 273.1	10.192 258.9	9.66 245.36	32.7 – 60.7 48.7 – 90.3	9.44 239.7
54SCCP	11-3/4 298.5	11.15 283.2	10.772 273.61	38 – 60 56.6 – 89.29	10.432 265.0
55SCCP	13-3/8 339.8	12.715 323.0	12.559 319.0	48 – 72 71.4 – 107.2	11.995 304.7



Composite
Cones

Non-metallic
backup rings

5 1/2" Mechanical Semi-Composite Bridge Plug Shown

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COMPOSITE (C2) FRAC BALL



REFERENCE AND COMPARISON DATA

<u>PROPERTY</u>	<u>UNIT</u>	<u>VALUE</u>
Specific Gravity	g/cc	1.8
Rockwell Hardness	M Scale	120
Water Absorption	%	0.015
Tensile Strength	psi	73,099
Compressive Strength	psi	103,121
Flexural Strength, LW	psi	99,785
Flexural Strength, CW	psi	98,190
Flexural Modulus, LW	kpsi	4,771
Shear Strength, LW	psi	29,000
Impact Strength - Charpy, LW	Ft - lbs / in	47.0
Impact Strength - Charpy, CW	Ft - lbs / in	47.0
Maximum Operating Temperature	°C	180
Coefficient of Thermal Expansion	PPM /°C	13
Flammability	Class	HB

**NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should not be used as a basis for design specifications or quality control.

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COMPOSITE FRAC BALL



TECHNICAL DATA

<u>WCT COMPOSITE FRAC BALL</u>			
<u>PART SIZE</u>	<u>TOLERANCE</u>	<u>PART SIZE</u>	<u>TOLERANCE</u>
1.000	.000/-.005	2.875	.000/-.005
1.063	.000/-.005	2.938	.000/-.005
1.125	.000/-.005	3.000	.000/-.005
1.188	.000/-.005	3.063	.000/-.005
1.250	.000/-.005	3.125	.000/-.005
1.313	.000/-.005	3.188	.000/-.005
1.375	.000/-.005	3.25	.000/-.005
1.438	.000/-.005	3.313	.000/-.005
1.500	.000/-.005	3.375	.000/-.005
1.563	.000/-.005	3.438	.000/-.005
1.625	.000/-.005	3.500	.000/-.005
1.688	.000/-.005	3.563	.000/-.005
1.750	.000/-.005	3.625	.000/-.005
1.813	.000/-.005	3.688	.000/-.005
1.875	.000/-.005	3.750	.000/-.005
1.938	.000/-.005	3.813	.000/-.005
2.000	.000/-.005	3.875	.000/-.005
2.063	.000/-.005	3.938	.000/-.005
2.125	.000/-.005	4.00	.000/-.005
2.188	.000/-.005	4.063	.000/-.005
2.250	.000/-.005	4.125	.000/-.005
2.313	.000/-.005	4.188	.000/-.005
2.375	.000/-.005	4.250	.000/-.005
2.438	.000/-.005	4.313	.000/-.005
2.500	.000/-.005	4.375	.000/-.005
2.563	.000/-.005	4.438	.000/-.005
2.625	.000/-.005	4.500	.000/-.005
2.688	.000/-.005	4.563	.000/-.005
2.750	.000/-.005	4.625	.000/-.005
2.813	.000/-.005	4.750	.000/-.005



****NOTES:**

1. The ball will be measured in multiple orientations.
2. The Surface finish of the ball shall be less than or equal to 64 µin RMS.
3. NO measurement of the ball shall be outside of the specified tolerance range.

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SHEAR STUDS



WYOMING COMPLETION TECHNOLOGIES, INC.

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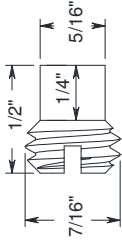
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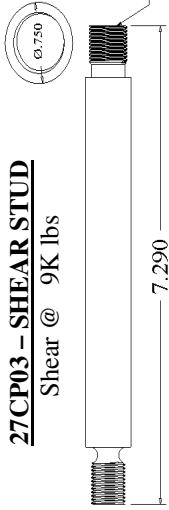
7/16" - 14 x 1/2" SHEAR SCREW

Shear - (6) @ 24K - 25K lbs.



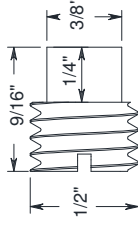
27CP03 - SHEAR STUD

Shear @ 9K lbs



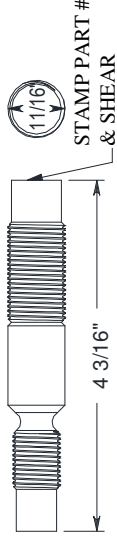
1/2" - 13 x 9/16" SHEAR SCREW

Shear - (8) @ 43K - 44K lbs.



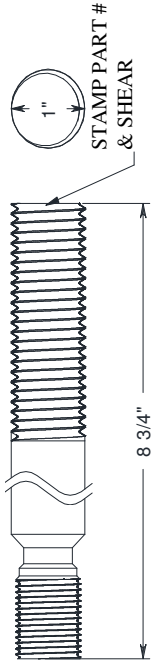
27CP03-G - SHEAR STUD

Shear @ 12K lbs



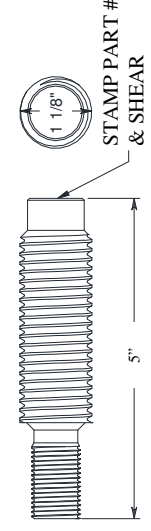
43CP03 - SHEAR STUD

Shear @ 32K - 35K lbs



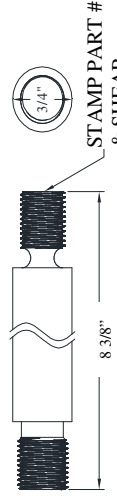
45CP03 - SHEAR STUD

Shear @ 30K - 35K lbs



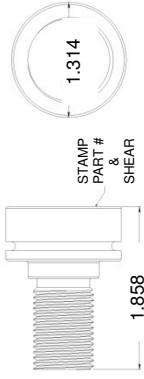
35CP03 - SHEAR STUD

Shear @ 9K lbs



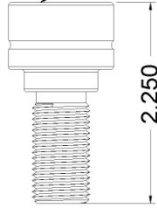
23CR16 - SHEAR STUD

Shear @ 9K lbs



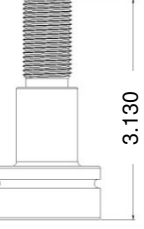
27CR16 - SHEAR STUD

Shear @ 9K lbs



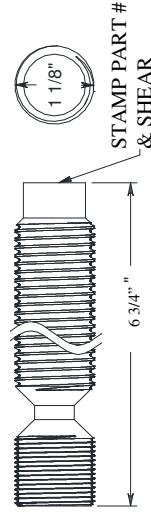
35CR16 - SHEAR STUD

Shear @ 9K lbs.



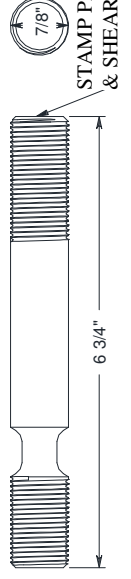
47CP03 - SHEAR STUD

Shear @ 48K - 50K lbs



43CR16-35K - SHEAR STUD

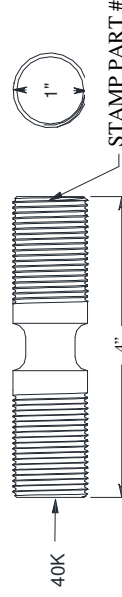
Shear @ 32K - 35K lbs



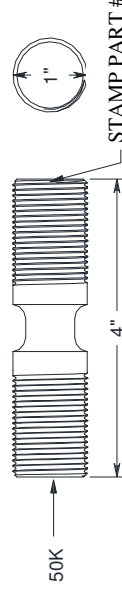
43WP16-35K - SHEAR STUD



45WP16-40K - SHEAR STUD



45WP16-5K - SHEAR STUD



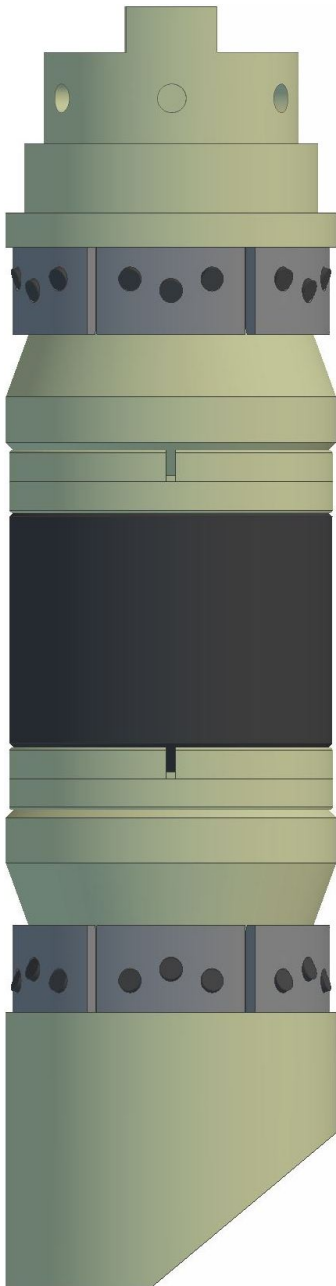
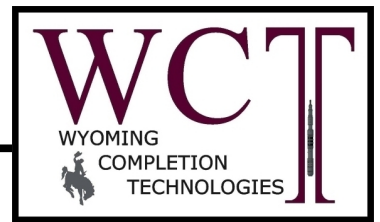
SHEAR STUDS

WYOMING COMPLETION TECHNOLOGIES, INC., 1110 Road 9 * PO Box 46, Powell, Wyoming 82435, Phone: (307) 754-5429 * Fax: (307) 754-5927, Email: sales@wyomingcompletion.com, Website: www.wyomingcompletions.com



SHEAR STUD	TOOL	SHEAR STUD	TOOL
23CR16	2-3/8" Cement Retainer	1/2"-13 x 9/16" Shear Screw	7" Composite Bridge & Frac Plugs
27CP03	2-7/8" Type "B" Bridge Plug	43WP16-35K	4-1/2" Wireline Bridge Plug – Type "A" 5" Wireline Bridge Plug – Type "A"
27CP03-G	2-7/8" Type "B" Bridge Plug-GO		5-1/2" Wireline Bridge Plug – Type "A" 4-1/2" Wireline Retrievable Bridge Plug "WP"
27CR16	2-7/8" Cement Retainer		5" Wireline Retrievable Bridge Plug "WP" 4-1/2" Wireline Retrievable Frac Plug "WFP"
35CP03	3-1/2" Type "B" Bridge Plug		5" Wireline Retrievable Frac Plug "WFP"
35CR16	3-1/2" Cement Retainer		4-1/2" Type "A" Bridge Plug Mech. To Wire. Conversion 5-1/2" Type "A" Bridge Plug Mech. To Wire. Conversion
43CR16-35K	4-1/2" Wireline Set Cement Retainer 5" Wireline Set Cement Retainer	45WP16-55K	6-5/8" Wireline Set Cement Retainer 7" Wireline Set Cement Retainer
	5-1/2" Wireline Set Cement Retainer		7-5/8" Wireline Set Cement Retainer
	4-1/2" Cement Retainer Mech. To Wire. Conversion		8-5/8" Wireline Set Cement Retainer
	5-1/2" Cement Retainer Mech. To Wire. Conversion		9-5/8" Wireline Set Cement Retainer 10-3/4" Wireline Set Cement Retainer
43CP03	4-1/2" Type "B" Bridge Plug 5" Type "B" Bridge Plug 4-1/2" Cast Iron Frac Plug		11-3/4" Wireline Set Cement Retainer 13-3/8" Wireline Set Cement Retainer 16" Wireline Set Cement Retainer
			6-5/8" Wireline Bridge Plug – Type "A" 7" Wireline Bridge Plug – Type "A"
45CP03	5-1/2" Type "B" Bridge Plug 5-1/2" Cast Iron Frac Plug		7-5/8" Wireline Bridge Plug – Type "A" 8-5/8" Wireline Bridge Plug – Type "A" 9-5/8" Wireline Bridge Plug – Type "A" 10-3/4" Wireline Bridge Plug – Type "A" 11-3/4" Wireline Bridge Plug – Type "A" 13-3/8" Wireline Bridge Plug – Type "A" 16" Wireline Set Cement Retainer
47CP03	6-5/8" Type "B" Bridge Plug 7" Type "B" Bridge Plug 7-5/8" Type "B" Bridge Plug 8-5/8" Type "B" Bridge Plug 9-5/8" Type "B" Bridge Plug 10-3/4" Type "B" Bridge Plug 11-3/4" Type "B" Bridge Plug 13-3/8" Type "B" Bridge Plug 16" Type "B" Bridge Plug		7" Wireline Bridge Plug – Type "A" 5-1/2" Wireline Retrievable Bridge Plug "WP" 7" Wireline Retrievable Bridge Plug "WP" 5-1/2" Wireline Retrievable Frac Plug "WFP" 7" Wireline Retrievable Frac Plug "WFP"
7/16"-14 x 1/2" Shear Screw	4-1/2" – 5-1/2" Composite Bridge & Frac Plugs		7" Type "A" Bridge Plug Mech. To Wire. Conversion 7" Cement Retainer Mech. To Wire. Conversion

DISSOLVABLE BRIDGE PLUG



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Dissolvable Bridge Plug is designed as a reliable tool to temporarily isolate multiple zones for fracturing or other treatments. The dissolvable material allows non-drill removal, saving time and money over conventional removal means. The Dissolvable Bridge Plug can be set on wireline.

FEATURES/BENEFITS

- Dissolvable metal body and components
- Proprietary dissolving elastomer element system
- One-piece slips with powdered metal (dissolvable) buttons
- Materials are compatible with P-110 and Q125 casing
- No drill-up required
- Compatible with standard wireline pressure setting tools or many hydraulic setting tools

APPLICATIONS

- Temporary zone isolation
- Fracturing
- Temporary plug

TECHNICAL DATA

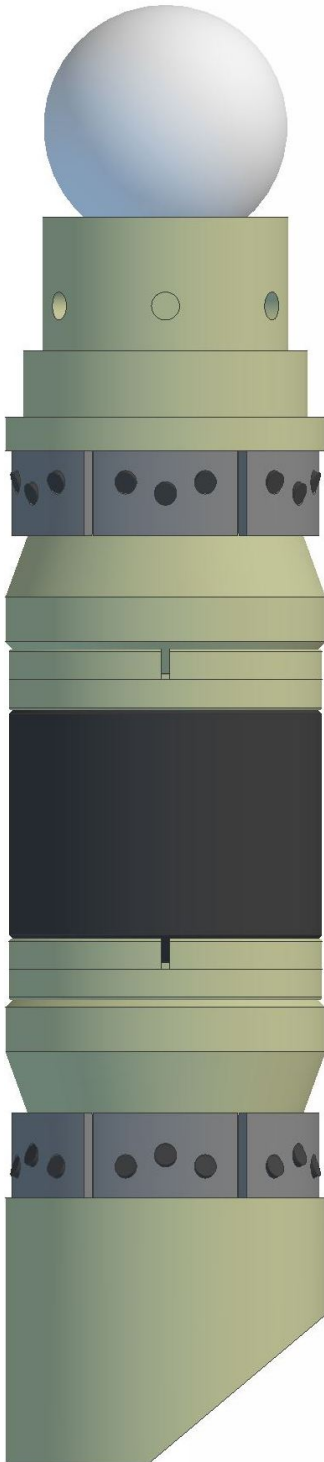
PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
43DSBP	4-1/2 114.3	4.153 105.49	3.750 95.25	9.5 – 15.1 20.95 -33.30	3.60 91.4

PATENT PENDING

WYOMING COMPLETION TECHNOLOGIES, INC.

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Website: www.wyomingcompletions.com

DISSOLVABLE FRAC PLUG



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Dissolvable Frac Plug is designed as a reliable tool to temporarily isolate multiple zones for fracturing or other treatments. The dissolvable material allows non-drill removal, saving time and money over conventional removal means. The Dissolvable Frac Plug can be set on wireline.

FEATURES/BENEFITS

- Dissolvable metal body and components
- Proprietary dissolving elastomer element system
- One-piece slips with powdered metal (dissolvable) buttons
- Materials are compatible with P-110 and Q125 casing
- Top equalizing
- No drill-up required
- Compatible with standard wireline pressure setting tools or many hydraulic setting tools

APPLICATIONS

- Temporary zone isolation
- Fracturing
- Temporary plug

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
27DSFP	2-7/8 73.03	2.441 62.00	2.347 59.61	6.4 – 7.8 9.52 – 11.61	2.23 56.64
35DSFP	3-1/2 88.90	3.068 77.93	2.992 76.00	5.75 – 10.3 8.56 – 15.33	2.76 70.10
43DSFP	4-1/2 114.3	4.153 105.49	3.750 95.25	9.5 – 15.1 20.95 – 33.30	3.60 91.4
45DSFP	5-1/2 139.70	5.044 128.12	4.670 118.62	13.23 19.35 – 34.23	4.31 109.47

PATENT PENDING

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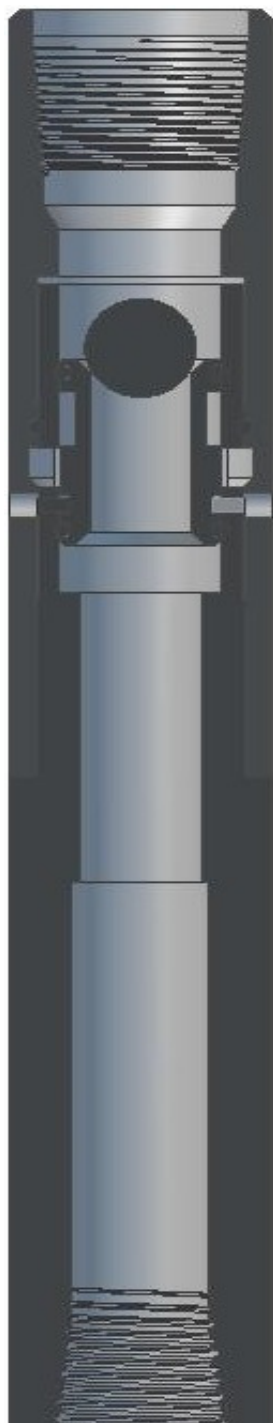
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DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Drop Off Bit Sub is a dependably designed disconnect tool to hydraulically pump a bit or mill off the end of a drill or tubing string.

FEATURES/BENEFITS

- Field adjustable shear pressure
- Eliminates tubing trip after drilling out
- 2 ½" OD fishing dimension on 2 3/8" tool
- Full open ID after separation
- Containment of internal components in bottom sub after releasing

TECHNICAL DATA

TOOL	SIZE	MAX OD (Inches)	Length (Inches)	THREADED CONNECTION
23DBSAA	2-3/8"	3.25"	21 ¾"	2-3/8 EU - 8 Rd x 2-3/8" 5 Reg Tubing
27DBSAA	2-7/8"	3.75"	23-1/2"	2-7/8" EU - 8 Rd x 2-7/8" API Reg

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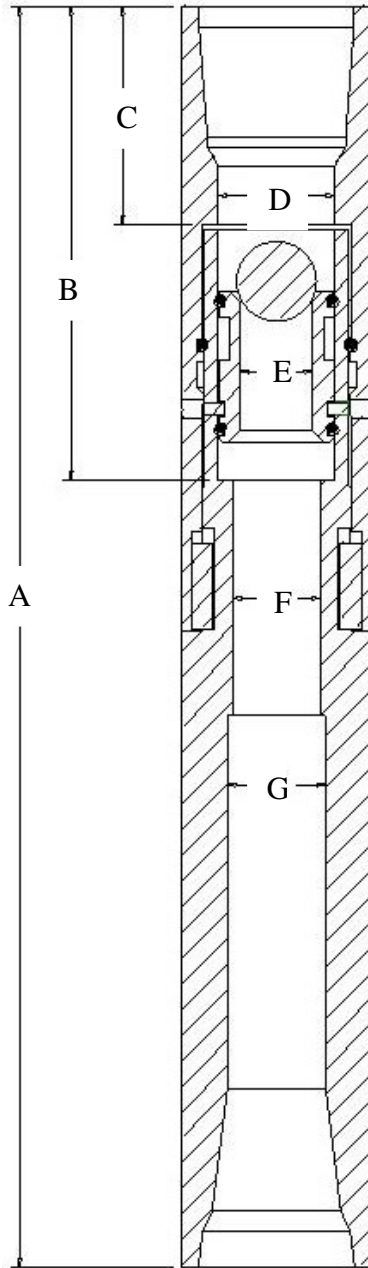
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DROP OFF BIT SUB LENGTHS & DIAMETERS

TOOL	A	B	C	D	E	F	G
23DBSAA	21.72	8.16	3.75	2.00	1.25	1.50	1.69
27DBSAA	23.46	8.91	4.50	2.45	1.70	1.75	1.93

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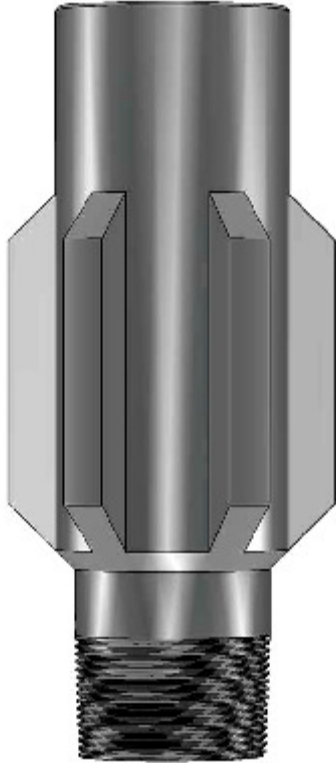
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Website: www.wyomingcompletions.com

DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Tubing Centralizers are available for guiding various tools down cased wells. These centralizers provide correct alignment during cementing operations with stinger assemblies or mechanical setting tools. They may also be used to align rod pumps and other tools, especially where a large gap is present between the tubing and the casing.



7" Tubing Centralizer
(47TC) Displayed

FEATURES/BENEFITS

- Durable fins made of L80 steel
- Standard tubing connections allow for centralizer placement between joints of tubing, providing alignment at the desired location along the tubing string.
- Provides an additional point of stability to keep downhole tools straight, particularly when stinging in during cementing operations.

TECHNICAL DATA

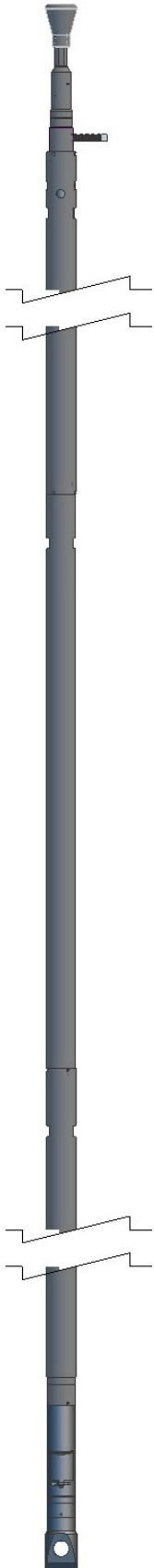
TUBING CENTRALIZERS

TOOL	CASING O.D. (INCHES)	TUBING SIZE	THREAD
43TC	4-1/2"	2-3/8"	2-3/8 EU 8 RND
44TC	5"		
45TC	5-1/2"		
46TC	6-5/8"	2-7/8"	2-7/8 EU 8 RND
47TC	7"		
48TC	7-5/8"		
49TC	8-5/8"		
51TC	9-5/8"		

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SAND-LINE DRILL



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Sand-Line Drill is a dependable tool for drilling out packers, cement, and other drillable materials. This versatile tool is used for drilling in open-hole completions as well as removing sand, gravel, and other debris from a wellbore. By simply changing the shoe, the drill converts to a sand pump.

FEATURES AND BENEFITS

- Connection for cable-tool drilling line, service machine, or sand line for a rotary rig, eliminates the need for expensive surface equipment.
- The full-chisel shoe is used for softer items like sand bridges and cement, while the 60% chisel shoe is used for harder objects such as cast iron bridge plugs and packers.

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
45SLD	5-1/2 139.70	5.01 127.3	4.67 118.62	14.0-23.0 20.83-34.23	4.5 114.3
47SLD	7 177.8	5.01 127.3	4.67 118.62	14.0-23.0 20.83-34.23	4.5 114.3

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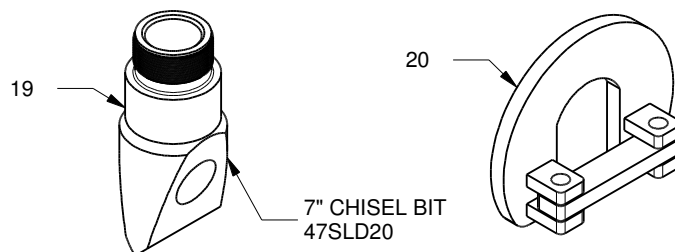
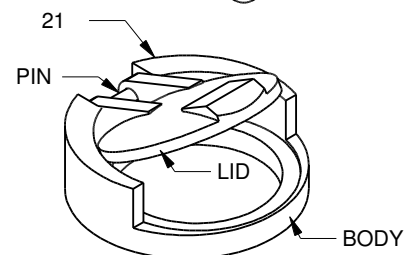
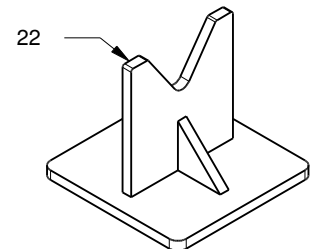
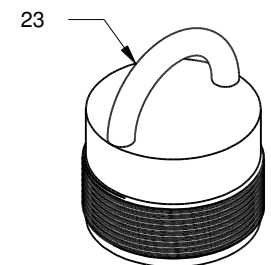
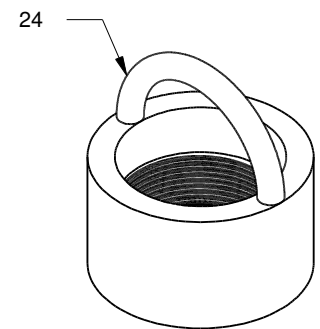
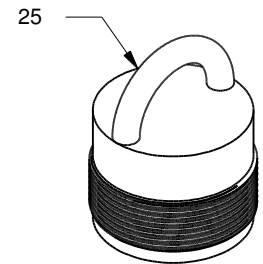
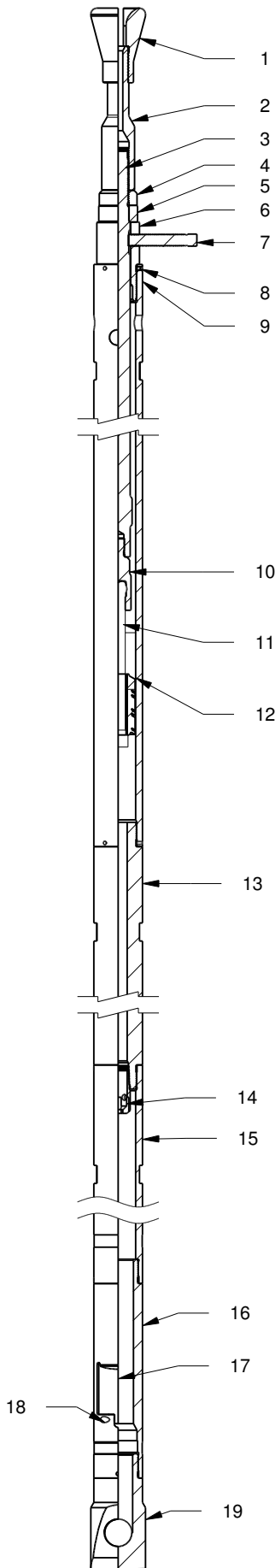
5-1/2" SANDLINE DRILL



45SLDA PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	Rope Protector	1	45SLD04
2	Rope Socket	1	45SLD05
3	Mandrel	1	45SLD01
4	Lock Nut	1	45SLD06
5	Bearing Ring	1	45SLD07
6	Pick Up Collar	1	45SLD08
7	3/4 UNC Bolt	1	45SLD09
8	Hex Socket Set Screw	15	3/8-16 x 3/8
9	Cylinder	1	45SLD11
10	Knuckle Joint Sub	1	45SLD02
11	Lower Mandrel	1	45SLD03
12	Swab Cups - Petro	3	45SLD10
13	Drill Collar	1	45SLD12
14	Screen	1	45SLD13
15	Extension Joint	1	45SLD14
16	Unloader Sub	1	45SLD16
17	Unloader Door	1	45SLD15
18	Bolt	1	5/16-24 x 5/16
19	5-1/2" Chisel Bit 7" Chisel Bit	1	45SLD20 47SLD20
20	Latch	1	45SLD19
21	Flapper Valve Lid, Valve Body Split Pin	1	45SLD17 45SLD18 1/4" x 1.3/8"
22	V-Stand	2	45SLD21
23	Lifter Sub (Extension)	1	45SLD24
24	Lifter Sub (Drill Collar)	1	45SLD23
25	Lifter Sub (Cylinder)	1	45SLD22
27	SWAB CUP - PETRO	1	45SLD10o
28		1	45SLD10i

Part #
45SLDA



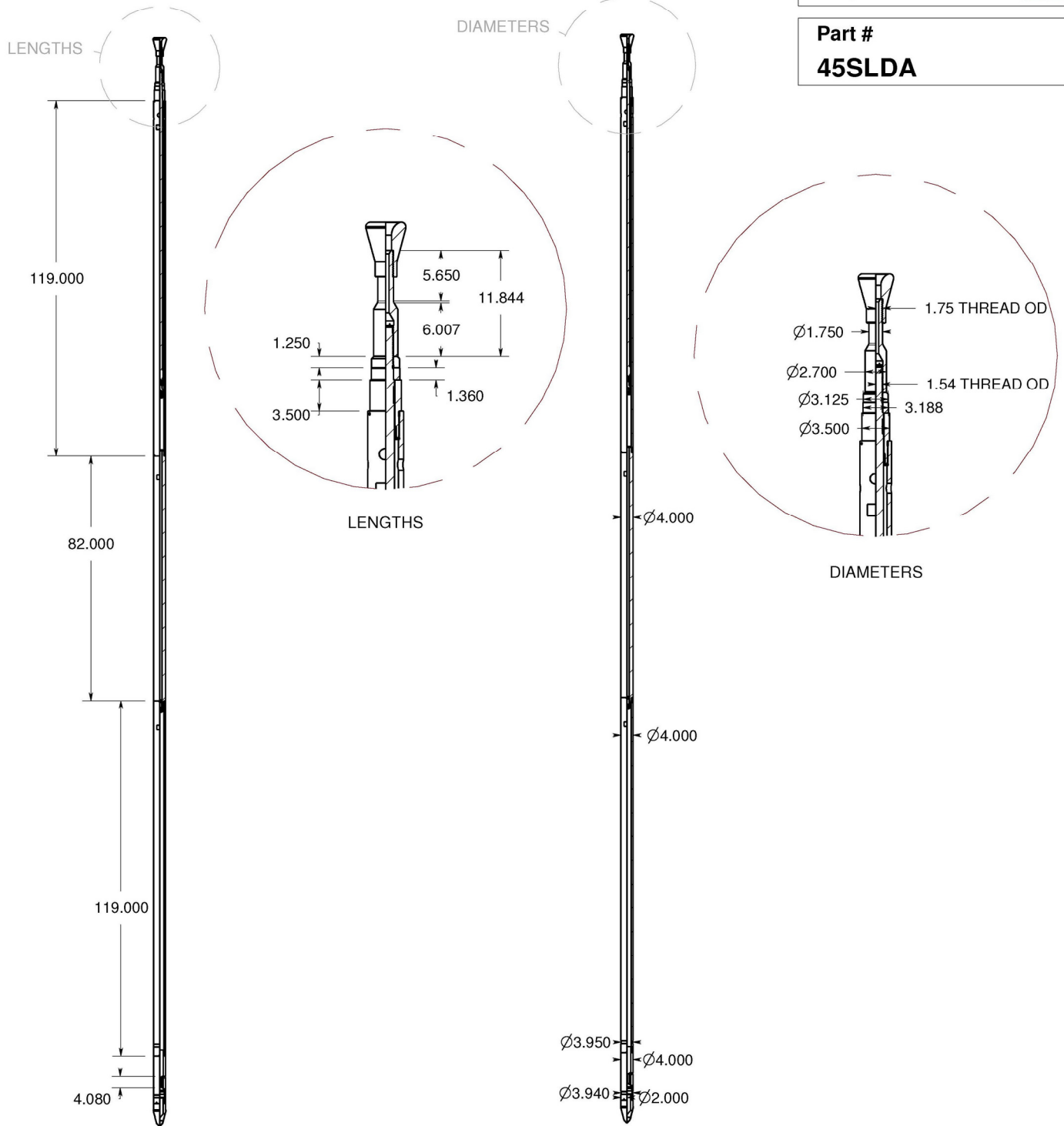
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5-1/2" SANDLINE DRILL LENGTH & DIAMETERS



Part #
45SLDA



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PRESSURE ACTIVATED FRAC SLEEVE



DESCRIPTION

The Wyoming Completion Technologies Pressure Activated Frac Sleeve is designed as a reliable tool to provide interventionless access to the formation. Using the sleeve in completion strategies that incorporate a plug-and-perf method for a well or group of wells eliminates the need for a tubing conveyed perforating (TCP) trip, saving time and money.

FEATURES/BENEFITS

- Full bore of string with no restrictions
- Flow ports equal or larger in area than string bore
- Pressure balanced inner sleeve remains in closed position until actuated
- Internal locking taper holds sleeve permanently in the open position
- Controlled shear actuation device reliably and accurately shifts the sleeve valve open
- Customer installable shear device will require minimal equipment to test seal
- Valve opens “up” allowing the use of wiper plugs without fear of accidental opening of the valve

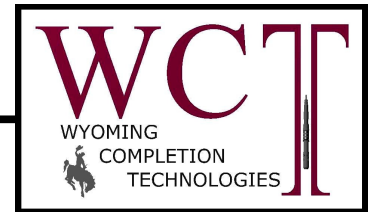
TECHNICAL DATA

Product #	TOOL					
	CASING OD	ID MAX	ID MIN	WEIGHT	OD	LENGTH
	Inches/ <i>mm</i>	Inches/ <i>mm</i>	Inches/ <i>mm</i>	lb/Ft <i>(kg/m)</i>	Inches/ <i>mm</i>	Inches/ <i>mm</i>
35PAFS	3-1/2 <i>88.90</i>	3.021 <i>76.73</i>	3.001 <i>76.22</i>	9.3 <i>13.84</i>	4.993 <i>126.82</i>	29.698 <i>754.33</i>
43PAFS	4-1/2 <i>114.30</i>	4.061 <i>103.15</i>	4.041 <i>102.64</i>	11.6 <i>17.26</i>	6.158 <i>156.41</i>	36.082 <i>916.48</i>

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ANCHOR CATCHER – "DBA"



DESCRIPTION

The Wyoming Completion Technologies Drag Block Anchor Catcher (DBA) is a heavy duty, reliable, retrievable double grip anchor that anchors the tubing in tension or compression. With proper tension pulled, the anchor prevents movement of the tubing string during pumping strokes, thus reducing rod and tubing wear. The anchor also holds the tubing stationary should it part.

FEATURES/BENEFITS

- Rotate left to set, right to release.
- Straight pull emergency shear release.
- Increases pump efficiency.
- Improves operating costs by reducing maintenance and down time caused by tubing or sucker rod wear.
- Optional right hand set.
- Fully retrievable.
- Drag blocks for setting and releasing control.
- Parts interchangeable with other manufactures.

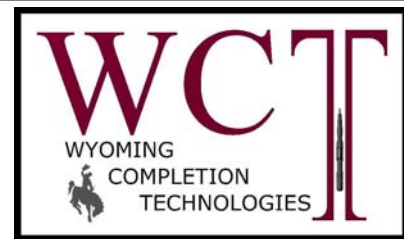
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches/ mm	Inches/ mm	Inches/ mm	Lb/Ft Kg/m	Inches/ mm
45DAC	5-1/2" 139.70	5.044 126.1	4.670 118.6	13 - 23 19.35 - 34.23	4.500 114.300
47DAC	7" 177.80	6.538 166.1	6.241 158.5	17 - 23 25.30 - 34.23	5.75 146.050
51DAC	9-5/8" 244.48	8.921 226.593	8.435 214.249	32.3 - 58.4 48.07 - 86.91	8.26 209.804

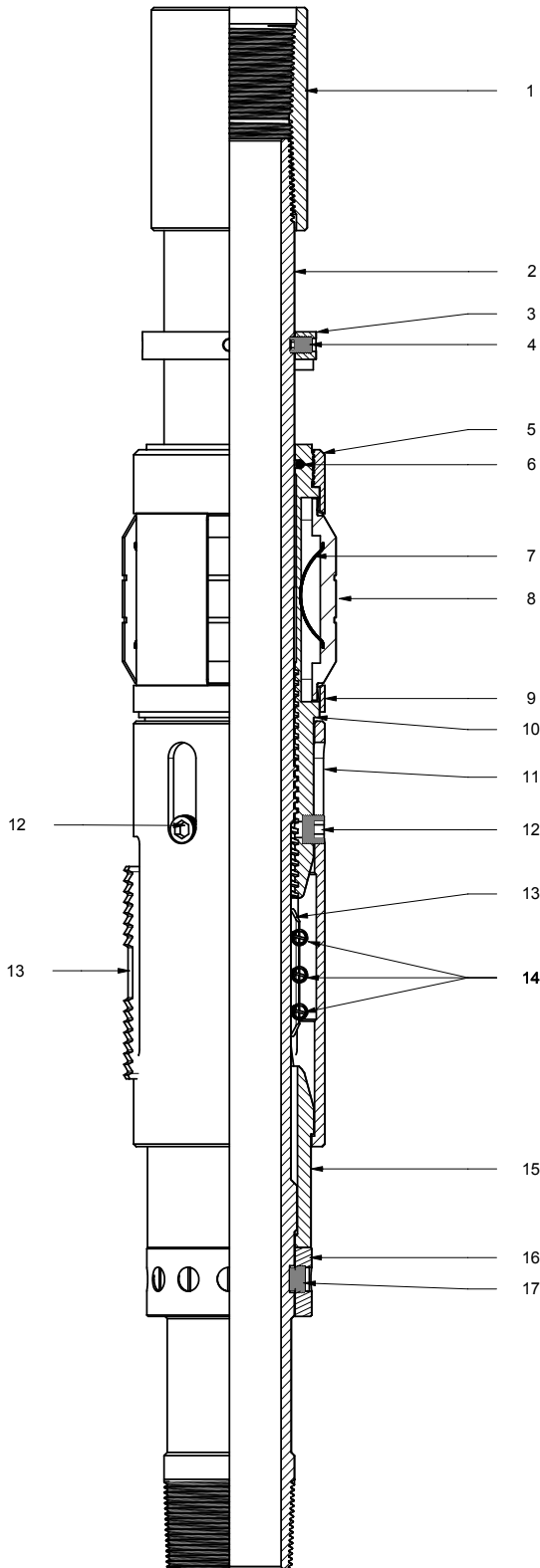
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5-1/2" DBA ANCHOR CATCHER (LH or RH)



Part #
45DAC



Item #	Description	Qty	Part Name
1	Coupler	1	27EC
2	*Mandrel	1	45DAC01 (LH or RH)
3	Stop Ring	1	45DAC02
4	Brass Set Screw	4	3/8" x 16 x 1/2"
5	Upper Pad Retainer	1	45DAC03
6	O-Ring	1	235-70D Nitrile
7	Drag Block Spring	20	43MST21
8	**Drag Pad	4	See Below
9	***Retaining Ring	1	45DAC10
10	*Drag Body	1	45DAC04 (LH or RH)
11	Slip Cage	1	45DAC05
12	Set Screw	3	5/8" x 18 x 1/2"
13	Slip	3	45DSA05
14	Retaining Spring	9	45DSA06
15	Drive Cone	1	45DAC06
16	Shear Ring	1	45DAC07
17	Shear Screw	12	45DSA10

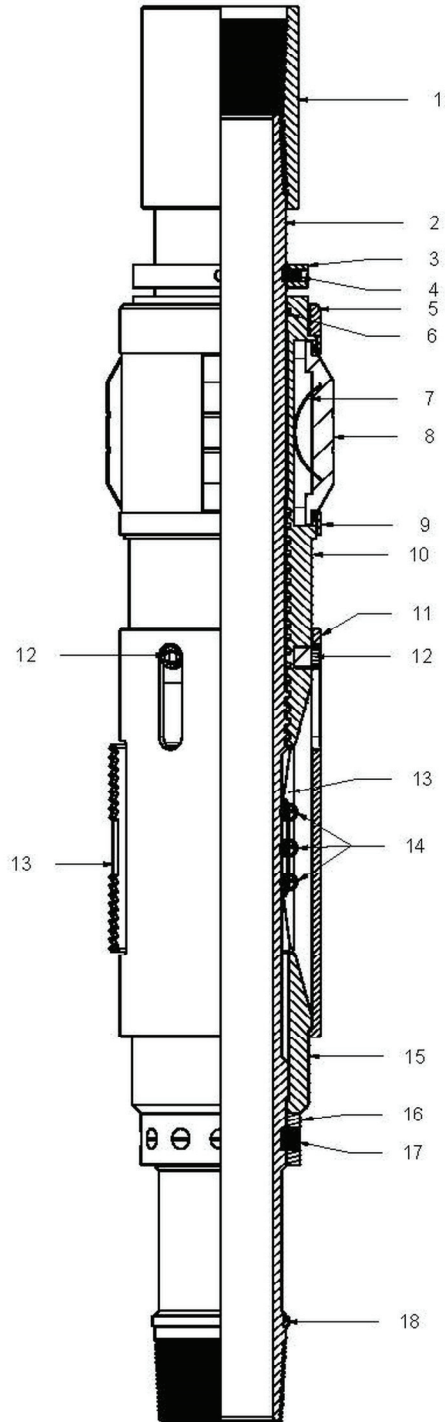
WYOMING COMPLETION TECHNOLOGIES, INC.

1110 ROAD 9 PO BOX 46
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 PHONE: (307) 754-5429 FAX: (307) 754-5927
 Email: sales@wyomingcompletions.com
 Website: www.wyomingcompletions.com

7" DBA ANCHOR CATCHER (LH or RH)



Part #
47DAC



**47DAC
PARTS & ASSEMBLY**

Item #	Description	Qty	Part Name
1	Coupler	1	35EC
2	*Mandrel	1	47DAC01 (LH or RH)
3	Stop Ring	1	47DAC02
4	Set Screw	4	3/8 -16 x 1/2
5	Upper Pad Retainer	1	47DAC03
6	O-Ring	1	240-70D Nitrile
7	Drag Block Spring	20	47MST21
8	**Drag Pad	4	See Below
9	***Retaining Ring	1	47DAC10
10	*Drag Body	1	47DAC04 (LH or RH)
11	Slip Cage	1	47DAC05
12	Set Screw	3	5/8 x 18 x 3/4
13	Slip	3	47DSA05
14	Retaining Spring	9	47DSA06
15	Drive Cone	1	47DAC06
16	Shear Ring	1	47DAC07
17	Shear Screw	12	45DSA10
18	Snap Ring	1	47DAC08

* Specify Left or Right Hand Set

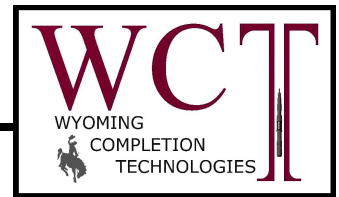
** Specify Casing Weight - (17-20 lb) uses Part # 47DAC17
(23-35.3 lb) uses Part # 47DAC23

*** Retaining Ring (#47DAC10) Welded To Drag Body (#47DAC04)

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ANCHOR CATCHER - "DSA"



DESCRIPTION:

The WYOMING COMPLETION TECHNOLOGIES Drag Spring "DSA" Anchor Catcher is a mechanical tool, which anchors the tubing in tension or compression. With proper tension pulled, the anchor prevents movement of the tubing string during pumping strokes, thus reducing rod and tubing wear. The anchor also holds the tubing stationary should it part.

FEATURES/BENEFITS:

- Rotate left to set, right to release
- Straight pull emergency shear release
- Increases pump efficiency
- Improves operating costs by reducing maintenance and down time caused by tubing or sucker rod wear
- Optional right hand set
- Parts interchangeable with other manufacturers

TECHNICAL DATA:

CASING				ANCHOR			
O.D. in mm	WEIGHT lb/ft	MIN. I.D. in mm	MAX. I.D. In/ mm	SIZE	MAX O.D. In/ mm	MIN BORE THRU ANCHOR in/mm	STANDARD THREAD CONNECTIONS
4- 1/2 114.30	9.5 - 12.6	3.958 97.18	4.090 103.89	43	3.750 95.25	2.000 50.80	2 3/8 EU 8RD
5-1/2 x 2-3/8 152.4	13 - 23	4.670 118.62	5.044 128.12	45	4.500 114.30		
5-1/2 x 2-7/8 152.40						2.437 61.90	2-7/8 EU 8RD
7 X 2-7/8 177.80	17 - 32	6.094 154.79	6.538 166.07	47	5.875 149.23		
7 X 3-1/2 219.08							

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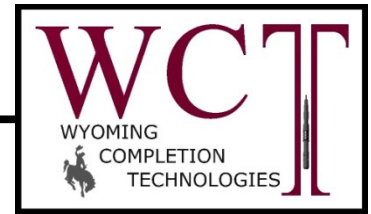
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Website: www.wyomingcompletions.com

LIMIT 75 PACKER



DESCRIPTION

The Wyoming Completion Technologies Limit 75 is a reliable, limit retrievable double-grip packer effective in production, testing, zone isolation and injection applications.

FEATURES/BENEFITS

- ¼ turn right hand set and release
- Large inside diameter
- Large by-pass for running and retrieving
- By-pass opens before upper slips release for debris removal
- Shear safety release
- Set with tension or compression
- One piece mandrel

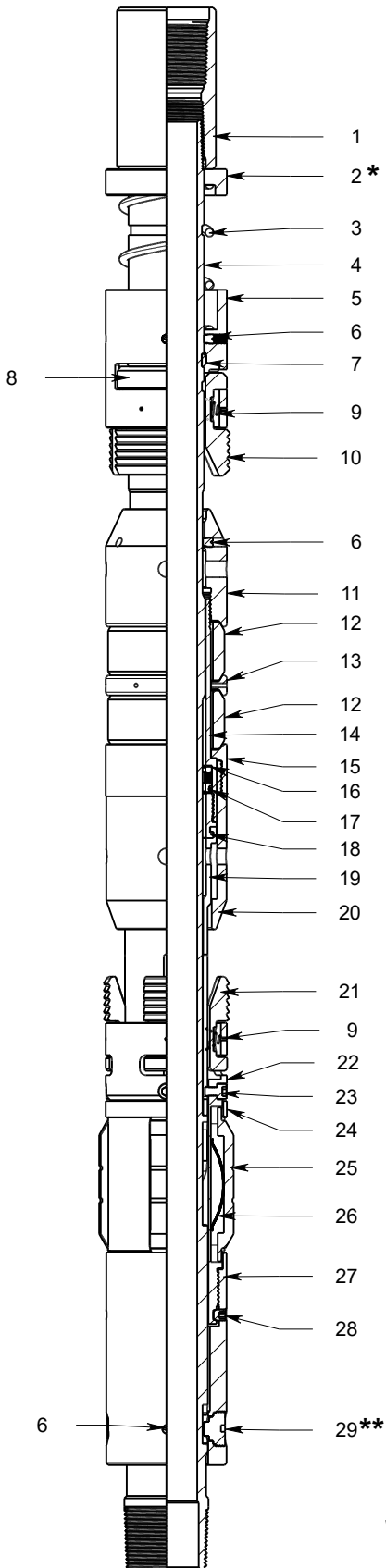
TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
45L75	5-1/2"	5.044	4.767	13 – 17	4.688
	139.7	128.1	121.1	19.35 – 25.29	119.1
47L75	7"	6.538	6.151	17-26	6.250
	177.8	166.1	156.2	25.29 – 38.68	158.8

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Part #
43L75



PARTS & ASSEMBLY

Item #	Description	QTY	Part Name
1	COUPLING	1	23E23NC-1.75
2 *	SPRING RETAINER	1	43L75-04-W / 43L75-04-M
3	SPRING	1	43L75-06
4	MANDREL	1	43L75-02
5	UPPER SLIP CAGE	1	43L75-08
6	SHEAR SCREW	11	5/16 - 24 x 5/16B
7	SNAP RING	1	43L75-10
8	UPPER SLIP	2	43L75-11
9	SLIP SPRING	7	45L75-12
10	RELEASING SLIP	1	43L75-14
11	UPPER CONE	1	43L75-03
12	PACKING ELEMENT	2	43WP23-A
13	SPACER	1	43L75-05
14	RUBBER MANDREL	1	43L75-15
15	LOWER GAUGE RING	1	43L75-17
16	SEAL RING	1	43L75-13
17	O-RING	1	146-90D Nitrile
18	SEAL RETAINER	1	43L75-16
19	SPLIT SUPPORT	1	43L75-26
20	LOWER CONE	1	43L75-09
21	LOWER SLIP	4	43L75-27
22	DRAG BLOCK HOUSING	1	43L75-23
23	SOCKET HEAD CAP SCREW	4	5/16-18 x 3/8 CAP
24	RETAINING RING	1	43L75-20
25	DRAG PAD	4	DP450
26	DRAG PAD SPRING	16	43MST21
27	DRAG BLOCK RETAINER	1	43L75-25
28	STEEL SET SCREW	2	3/8-24 x 3/8
29 **	SHEAR SCREW	2	45L75-29-48K / 45L75-29-30K

* SPECIFY WIRELINE OR MECHANICAL

** SPECIFY SHEAR STRENGTH

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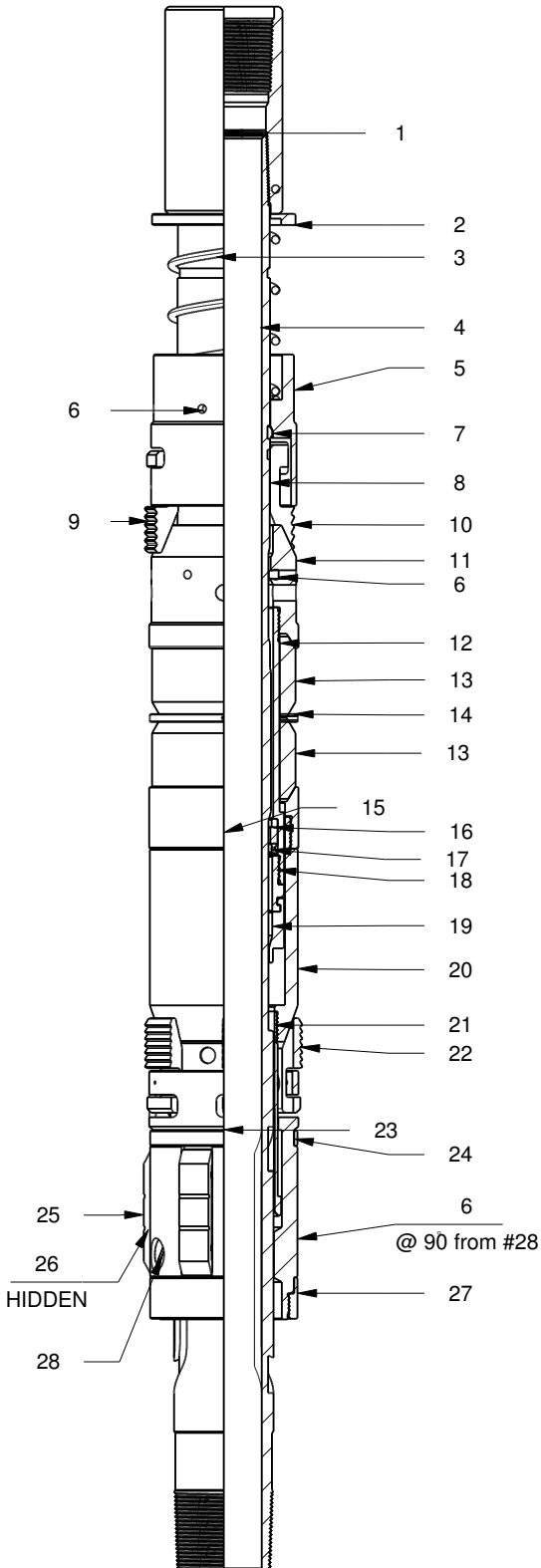
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REV 0 - 05/26/2022

5 1/2" LIMIT 75



Part #
45L75A



ASSEMBLY & PARTS

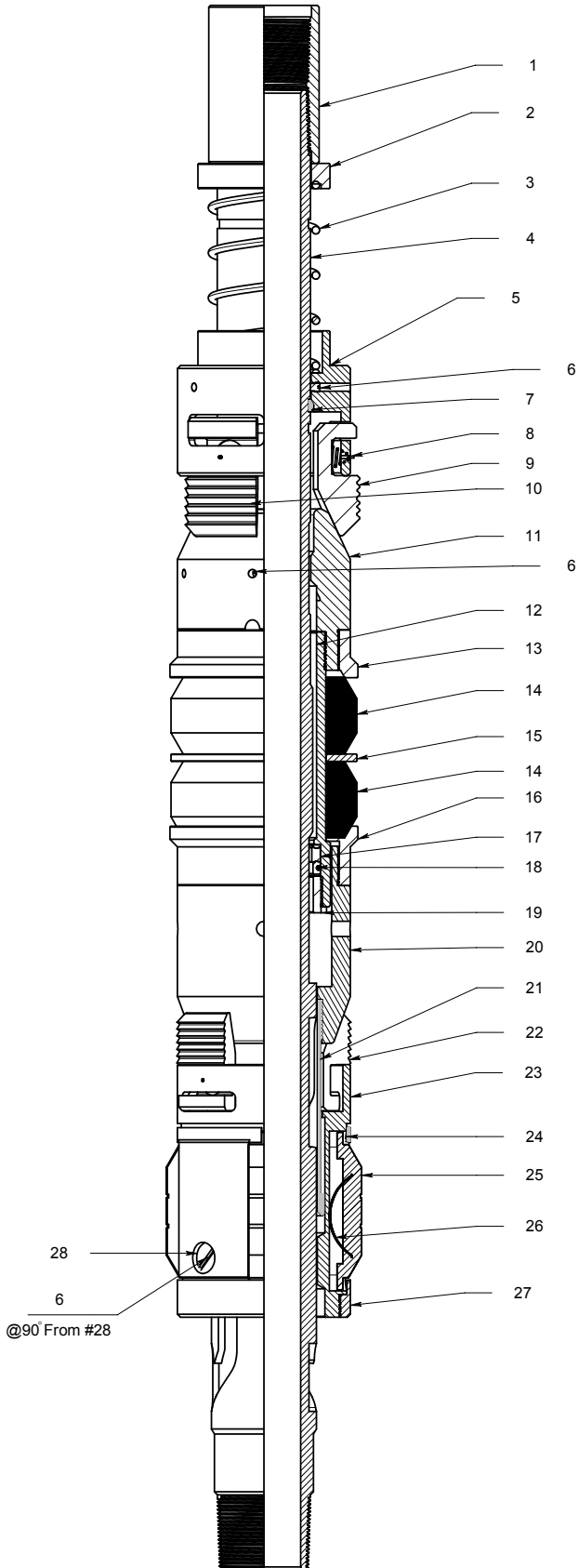
Item #	Description	Qty	Part Name
1	Coupler	1	27NU27EU
2	*Spring Retainer	1	45L75-04W / 45L75-04M
3	Spring	1	45L75-06
4	**Mandrel	1	45L75-02
5	Upper Slip Cage	1	45L75-08
6	Shear Screw	13	5/16" - 24 x 5/16"B
7	Snap Ring	1	45L75-10
8	Slip Spring	7	45L75-12
9	Release Slip	1	45L75-14
10	Upper Slip	2	45L75-11
11	Upper Cone	1	45L75-03
12	Rubber Mandrel	1	45L75-15
13	Packing Element	2	45WP23
14	Spacer	1	45L75-05
15	Lower Gauge Ring	1	45L75-17
16	Seal	1	45L75-13
17	O-Ring	1	151-90D Nitrile
18	Seal Retainer	1	45L75-16
19	Split Ring	1	45L75-26
20	Lower Cone	1	45L75-09
21	Retainer	1	45L75-18
22	Lower Slip	4	45L75-27
23	Drag Block Housing	1	45L75-23
24	Retaining Ring	1	45L75-20
25	Drag Block	4	DP450
26	Drag Block Spring	16	43MST21
27	Drag Block Retainer	1	45L75-25
28	***Shear Screw	2	45L75-29-48K / 45L75-29-30K

* Specify Wireless or Mechanical
**** OPTION- RIGHT HANDED MANDREL #47L75-02R**
 *** Specify Shear Strength

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Part #
47L75A



ASSEMBLY & PARTS

Item #	Description	QTY	Part Name
1	Coupler	1	27EC
2	*Spring Retainer	1	47L75-04-M / 45L75-04W
3	Spring	1	47L75-06
4	Mandrel	1	47L75-02
5	Upper Slip Cage	1	47L75-08
6	Shear Screw	13	5/16" - 24 x 5/16"B
7	Snap Ring	1	47L75-10
8	Slip Spring	7	47L75-12
9	Release Slip	1	47L75-14
10	Upper Slip	2	47L75-11
11	Upper Cone	1	47L75-03
12	Rubber Mandrel	1	47L75-15
13	Upper Guage Ring	1	47L75-17
14	Element	2	47L75-07
15	Spacer	1	47L75-05
16	Lower Guage Ring	1	47L75-26
17	Seal	1	47L75-13R
18	O-Ring	1	238-90D Nitrile
19	Seal Retainer	1	47L75-16
20	Lower Cone	1	47L75-09
21	Retainer	1	47L75-18
22	Lower Slip	4	47L75-27
23	Drag Block Housing	1	47L75-23
24	Split Retainer Ring	1	47L75-20
25	Drag Pad	5	47L75-28
26	Drag Pad Spring	20	47MST21
27	Drag Block Retainer	1	47L75-25
28	**Shear Screw	2	47L75-29-30K / 47L75-29-48K

* - Specify Wireline or Mechanical

** - Specify Shear Strength

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RETRIEVABLE PACKER



DESCRIPTION

The Wyoming Completion Technologies Retrievable Packer provides a fast and efficient way of securing a well beyond having to pull drill pipe and/or tubing. The RMP uses the pipe's weight for the initial setting; any pressure coming from below will activate the piston style hold-down buttons while continuing to keep a tight seal. With prior testing, this tool can be used in cementing, casing testing, formation fracturing, and high-pressure acidizing.

FEATURES/BENEFITS

- Large bypass allows circulation while setting; straight pull instantly equalizes pressure on piston type hold-down buttons
- Right-hand set, straight-up, safe and easy release
- Three-section packing element
- Built in face-seal unloader controls the bypass, eliminating the demand for mechanical locks or rotation
- Bypass runs through the entire tool keeping the buttons from pressure surges, minimizing any chances of dulling. Full passage diameter also allows the passage of tools.
- Slips set with 3/4 turn, straight pull to retrieve
- Supports both top down and bottom up pressures

APPLICATIONS

The retrievable packer can be used in the following applications:

- Stimulation and Work-over
- Squeeze Cementing
- Case Testing
- Formation Fracturing
- High Pressure Acidizing

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD Inches <i>mm</i>	I.D. MAX. Inches <i>mm</i>	I.D. MIN. Inches <i>mm</i>	MAX I.D. LB/FT <i>kg/m</i>	OD Inches/ <i>mm</i>
47RMPA	7 <i>177.80</i>	6.276 <i>159.41</i>	6.136 <i>155.85</i>	26 - 29 <i>38.69 - 43.15</i>	5.963 <i>151.46</i>

WYOMING COMPLETION TECHNOLOGIES, INC.

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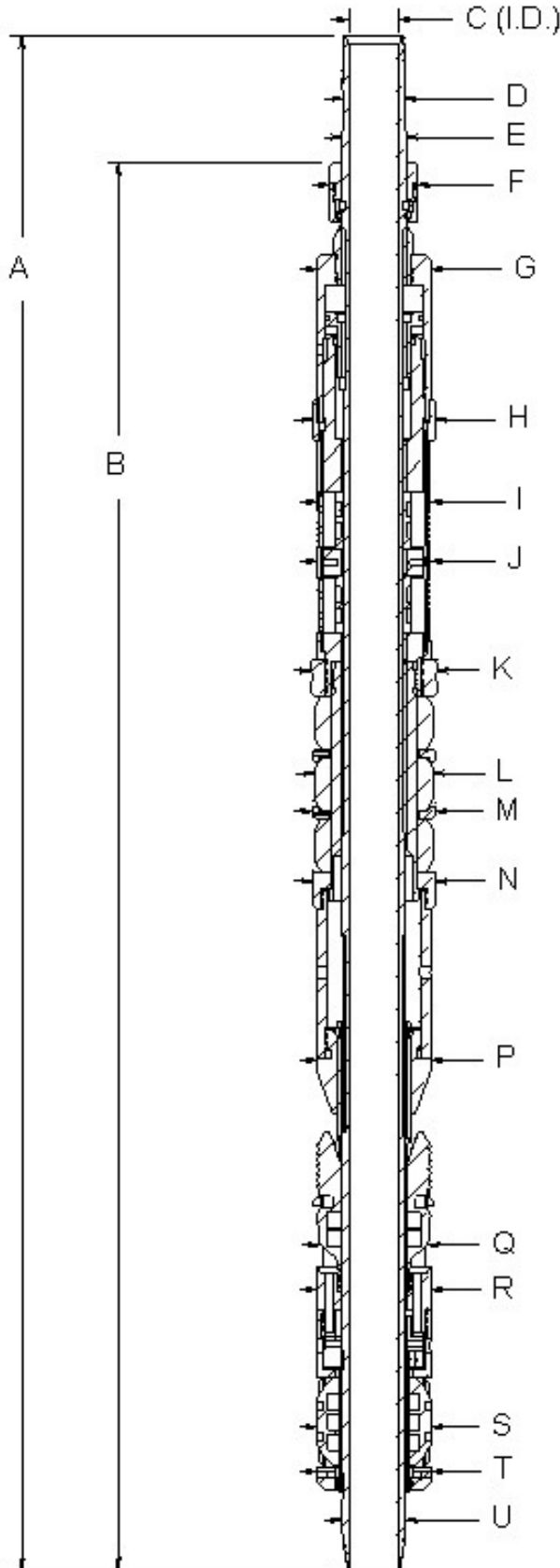
Powell, Wyoming 82435

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Email: sales@wyomingcompletions.com

Website: www.wyomingcompletions.com

RETRIEVABLE PACKER L & D



LENGTHS & DIAMETERS

PRODUCT #	47RMPA
SIZE <i>Inches/ mm</i>	7" 177.8
A	74.125 1882.78
B	68.004 1727.30
C	2.410 61.21
D	2.980 75.69
E	3.095 78.61
F	4.250 107.95
G	5.500 139.70
H	5.963 151.46
I	5.447 138.35
	6.597 167.56
J	5.445 138.30
K	5.963 151.46
L	5.730 145.54
M	5.950 151.13
N	5.963 151.46
P	5.500 139.70
Q	5.260 133.60
	6.140 155.96
R	5.500 139.70
S	5.530 140.46
	6.815 173.10
T	5.500 139.70
U	3.085 78.36

WYOMING COMPLETION TECHNOLOGIES, INC.

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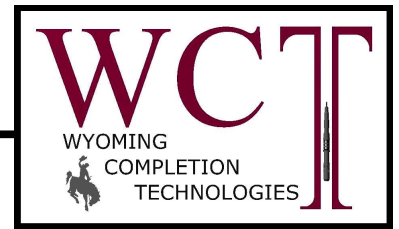
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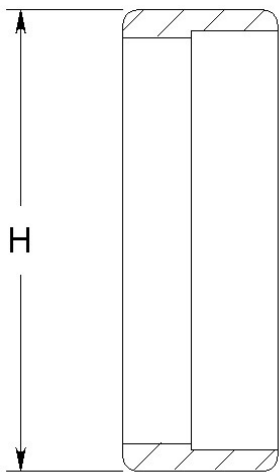
Website: www.wyomingcompletions.com

RETRIEVABLE PACKER

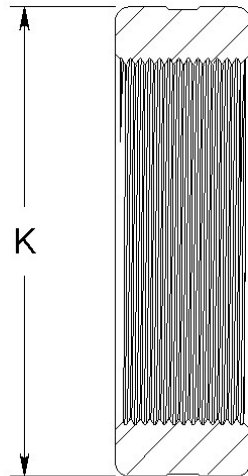


UPPER GAGE RING / GAGE RING/ SPACER RING/ GUIDE RING

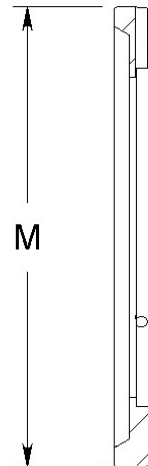
Assembly Part #	Part #								CSG. Inches/ mm	CSG. WEIGHT Inches/ mm	Max OD Inches/ mm
	UPPER GAGE (H)	OD Inches/ mm	GAGE (K)	OD Inches/ mm	SPACER (M)	OD Inches/ mm	GUIDE (N)	OD Inches/ mm			
47RMPA	47RMP19	5.963 151.46	47WP17- B2	5.963 151.46	47RMP24	5.950 151.13	47RMP17	5.963 151.46	7" 177.80	26-29 38.69 - 43.15	5.968 151.59



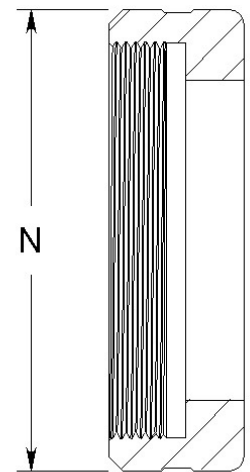
UPPER GAGE RING
47RMP19



GAGE RING
47WP17-B2



SPACER RING
47RMP24

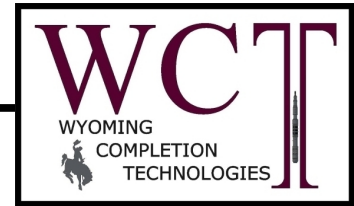


GUIDE RING
47RMP17

WYOMING COMPLETION TECHNOLOGIES, INC.

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PHONE: (307) 754-5429 FAX: (307) 754-5927
HECHTS@DIRECTAIRNET.COM
WCT.DIRECTAIRNET.COM

STRADDLE PACKER



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Straddle Packer is a retrievable packer. This Packer can be either coil, tubing, jointed pipe, electric line or slick wire set, and retrieved by coil tubing, jointed pipe or slick wireline with straight pull.

FEATURES/BENEFITS

- Slip Cage design below packing system
- Large ID/OD ratio
- Once Packer is released, it locks into “released” position, preventing slips from re-setting permitting the tool to be worked up and down and allowing it to aid in retrieval
- Short overall length
- Large finish bore
- Aids in deployment in deviated wells

TECHNICAL DATA

PRODUCT #	CASING				TOOL
	OD	ID	ID	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
27SPAA	2-7/8	2.441		6.40	2.225
	73.03	62.00		9.53	56.52
35SPAA	3-1/2	2.992		9.20 – 10.20	2.700
	88.90	76.00		13.69 – 15.18	68.58

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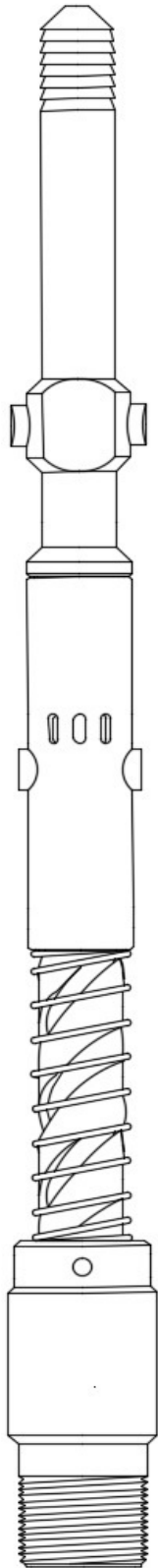
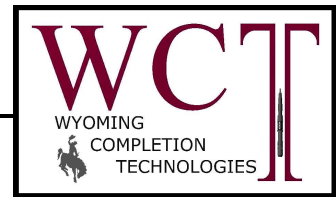
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www.wyomingcompletions.com

INDEXING TOOL



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Indexing Tool is primarily used to convert a double grip mechanical set packer into a retrievable bridge plug. The high pressure valve provides a system to run a retrievable bridge plug with the valve open and set the bridge plug then close the valve.

FEATURES/BENEFITS

- Large by-pass for running and retrieving
- Proven reliable seal and design method
- By-pass locked in the closing

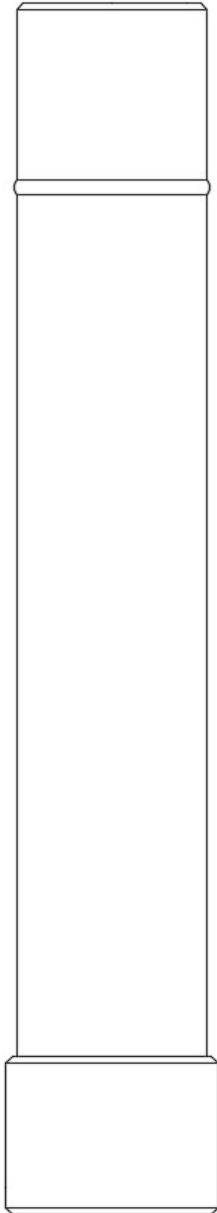
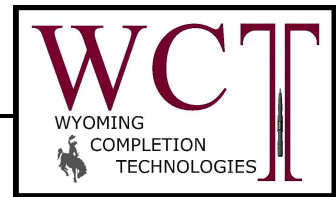
TECHNICAL DATA

PART #	TOOL DIMENSIONS			THREAD
	OD Inches/mm	ID Inches/mm	LENGTH Inches/mm	
20IT	3.12 79.25	.50 12.70	33.48 850.39	2-3/8 EU 8 Round
25IT	3.88 98.55	.50 12.70	41.15 1045.21	2-7/8 EU 8 Round

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INDEXING RETRIEVING TOOL



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Indexing Retrieving Tool is used to control the setting and releasing of double grip mechanical set bridge plugs using the Indexing Tool.

FEATURES/BENEFITS

- Controls the index valve locking and unlocking system
- Circulates fluid to wash debris prior to or after latching onto the index

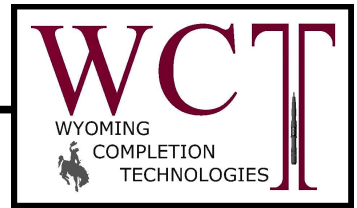
TECHNICAL DATA

PART #	TOOL
	OD
	Inches/ <i>mm</i>
23RT	3.75 95.25
	4.50 114.3
	5.50 139.7
27RT	5.50 139.7

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CERAMIC DISK



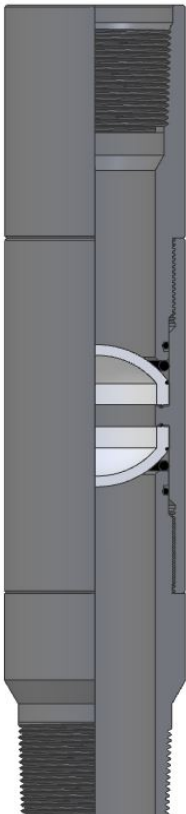
Single Disk Ceramic Disk

DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Ceramic Disk is run on the bottom of the tubing, plug, or packer while snubbing in the hole. After the packer is set, the wellbore is isolated below the packer. Once everything is in place, a drop bar, or pump pressure, will rupture the disk, allowing fluids, or a frac, to flow up the tubing, free of any debris that could interfere with lower assemblies.

FEATURES/BENEFITS

- Available with single or double ceramic disks
- Reusable (Redress kits available)
- Simple assembly procedure
- Full opening after rupturing disk
- Pressure tested before installation
- Cost-effective alternative to using profile nipple with a plug
- Potential for maximum surge of formation after perforating
- Used to negative test liner top
- Can be run in hostile environments (H2S and CO2)
- Allows tubing tests up to 10,000 psi

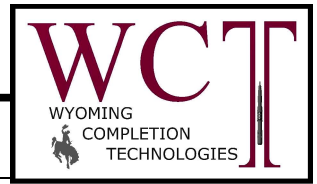


Double Disk Ceramic Disk

TECHNICAL DATA

PART #	DESCRIPTION	TOOL OD	TOOL ID	BOTTOMSIDE	TOPSIDE
	Inches <i>mm</i>	Inches <i>mm</i>	Inches <i>mm</i>	DISK RATING	DISK RATING
23DCD	2-3/8	3.06	2.00	10,000 psi	10,000 psi
23SCD	60.3				1,000 psi
27DCD	2-7/8	3.67	2.44		10,000 psi
27SCD	73.0				1,000 psi
35DCD	3-1/2	4.25	3.00		10,000 psi
35SCD	88.9				1,000 psi

PROFILE NIPPLE



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Profile Nipple is available in a wide range of sizes and profiles.

FEATURES/BENEFITS

- Solid one piece construction
- Land blanking plugs to shut in well or to test the production tubing
- Land velocity type safety valves
- Land equalizing check valves
- Land circulating blanking valves
- Land chokes to reduce surface flowing pressures
- Land instrument hangers with geophysical devices such as pressure and temperature recorders
- Restricted ID makes it possible to catch tools that are dropped during wireline work
- Available with box x pin EUE and all premium thread connections
- 10,000 psi differential pressure rating standard in most sizes
- Profiles include X, XN and others

MATERIAL SELECTION

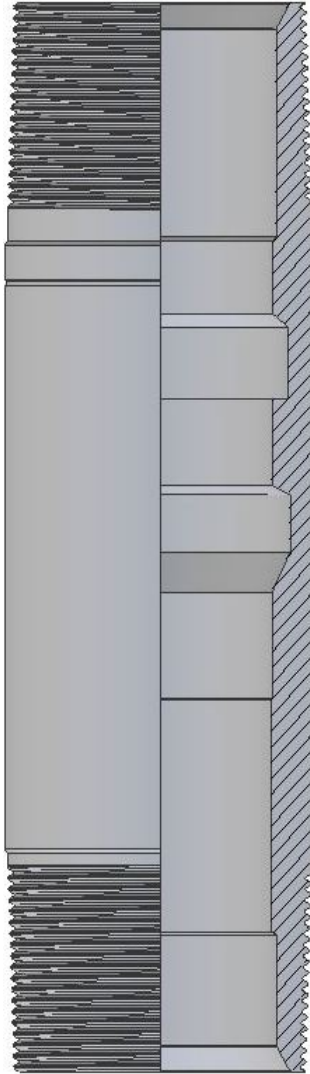
(Med/Regular) Corrosion Resistance in Sour Gas Environments

- 4140 / L80
- 82,000 Yield

(High) Corrosion Resistance in Sour Gas Environments

- 9C1M / 9 Chrome 1 Moly
- 80,000 Yield

TECHNICAL DATA

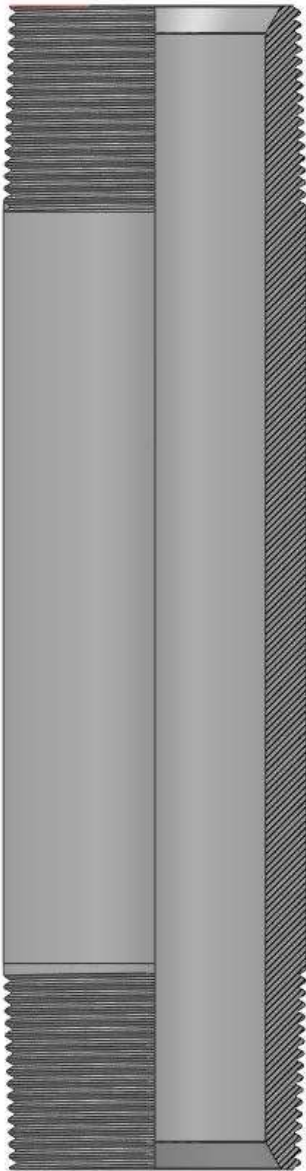
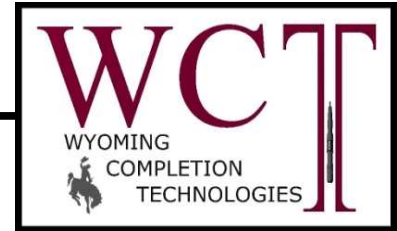


PRODUCT #	TUBING		FOR STANDARD TUBING WEIGHTS		
	OD	WEIGHT	SEAL BORE	NO-GO ID	THREAD
	Inches <i>mm</i>	lb/ft <i>kg/m</i>	Inches/ <i>mm</i>	Inches / <i>mm</i>	Box up - Pin down
19XPN	1.900	2.4 - 2.9	1.500	NA	Premium
19XNPN	48.26	3.57 - 4.32	38.10	1.448 / 36.78	
23XPN	2-3/8	4.6 - 4.7	1.875	NA	Premium
23XNPN	60.33	6.85 - 6.99	47.63	1.791 / 45.49	
27XPN	2-7/8	6.4 - 6.5	2.313	NA	Premium
27XNPN	73.03	9.52 - 9.67	58.75	2.205 / 56.01	
35XPN	3-1/2 88.90	9.3	2.813	NA	Premium
35XNPN		13.84	71.45	2.666 / 67.72	
35XNPN		10.2 15.18	2.750 69.85	2.635 / 66.93	
43XPN	4-1/2	12.75	3.813	NA	Premium
43XNPN	114.30	18.97	96.85	3.725 / 94.62	
44XPN	5	13	4.313	NA	Premium
44XNPN	127.00	19.35	109.55	3.987 / 101.27	
45XPN	5-1/2	17	4.562	NA	Premium
45XNPN	139.70	25.30	115.87	4.455 / 113.16	
47XPN	7		6.01	NA	Premium
	177.8				

WYOMING COMPLETION TECHNOLOGIES, INC.

1110 Road 9 * PO Box 46
Powell, Wyoming 82435
Phone: (307) 754-5429 * Fax: (307) 754-5927
Email: sales@wyomingcompletions.com
Website: www.wyomingcompletions.com

SEATING NIPPLE



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Seating Nipple is the standard API Upset design.

FEATURES/BENEFITS

- Standard seating nipple is 12 inches.
- General purpose pipe manufactured to API specifications.
- Made of API J55, L80, N80, Q125, Inconel, and other alloys.

APPLICATIONS

- Used to connect two segments of a pipe system with threaded connections.

TECHNICAL DATA

PART #	TUBING SIZE	I.D. In/mm	O.D. In/mm	THREAD
19SN01	1.900	1.460	2.250	1.900 – 10 EUE
23SN01	2-3/8	1.780	2.620	2-3/8 – 8 EUE
27SN01-2.25	2-7/8	2.250	3.125	2-7/8 – 8 EUE
27SN01	2-7/8	2.280	3.125	2-7/8 – 8 EUE
35SN01	3-1/2	2.780	3.625	3-1/2 – 8 EUE

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