



Down Hole Tool Parts Catalog



**Ditch
Witch®
West**

A PAPÉ COMPANY

VOLUME 6

*Prices subject to
change without notice

DITCH WITCH The Parts You Need-When You Need Them

We can guarantee the superior quality and performance of our parts because we design, test and manufacture each part to provide optimal performance with its compatible equipment. We are the **ONLY** underground equipment manufacturer that does this. Why? Because we believe there is no such thing as an unimportant part. And you can find a large inventory of genuine Ditch Witch parts, for equipment new and old, at any of our four dealerships. If we don't have the part you need, we can get it fast - usually within 24 hours.

- 1) POWERPIPE INTRO**
- 2) POWERPIPE PRICES**
- 3) EZ CONNECTS**
- 4) HAWKEYE SYSTEM**
- 5) POWER HOUSINGS**
- 6) TRIHAWK HD INTRO**
- 7) TRIHAWK HD SERIES**
- 8) DITCH WITCH BITS**
- 9) DITCH WITCH BITS CONT.**
- 10) PULLERS**
- 11) PULLERS CONT.**
- 12) DITCH WITCH REAMERS**
- 13) DITCH WITCH REAMERS CONT.**



DITCH WITCH Expert Service

Our professional service technicians are factory-trained to know everything there is to know about Ditch Witch equipment maintenance and repair. When you trust your equipment with us, you can be certain it is in good hands.



14) PULLING SLINGS, SHACKLES, TABS

15) SAVER SUBS

16) SAVERLOK

17) PULL BACK SWIVELS

18) JAWS, PIPE GUIDES, PIPE GRIPPERS

19) GREASE, WIPERS, ORING KITS

20) GOT MUD?

21) MUD RECIPES

22) MUD PRICES 1

23) MUD PRICES 2

24) MUD PRICES 3

DITCH WITCH

POWER PIPE HD[®]

DESIGNED, MANUFACTURED AND TESTED BY DITCH WITCH



WARRANTY

“You break it, we buy it.” For one year. No other drill pipe manufacture has this much confidence in the quality and strength of their rod.

VOLUME DISCOUNTS

You will receive a 5% discount off list price of 15 sticks or more of lined drill rod. We also offer special financing terms when using your Ditch Witch Underground Advantage Card. Ask for details.

PRICE MATCH GUARANTEE

Buy the best for less and use less water, less mess, and less vacuum trips to the dump! Plus only our pipe matches your O.E.M. thread pattern.

We will match any competitive price on Un-Lined drill rod. Bring us your quote, we will match it with our 100% Genuine Ditch Witch Drill Rod!

DITCH WITCH Drill Pipe

Our patented manufacturing process produces the straightest, strongest pipe available. We are the only directional drill manufacturer that designs, tests and builds our own pipe to match the specifications of the rig.

Power Pipe® HD, Lined Fluid Miser®

JT9/922	355-1150	\$257.25
JT1220	401-239.....	\$311.10
JT20/2020	355-1107.....	\$335.00
JT27M1	355-1111	\$387.92
JT25/30/3020 ...	355-1111	\$387.92
JT40M1	355-1211.....	\$564.80
JT60	355-1100	\$710.00

Power Pipe® HD, Unlined

JT5	355-1038	\$233.58
JT9/922	355-1149	\$235.87
JT1220	355-1005	\$275.00
JT20/2020	355-1106.....	\$295.00
JT27M1	355-1094	\$344.50
JT25/30/3020 ...	355-1094.....	\$344.50
JT40M1	355-1210.....	\$542.91
JT60	355-1079	\$645.00

*PRICES FOR OLDER STYLE DRILL RODS, AVAILABLE UPON REQUEST

New Ditch Witch® Forged HD Pipe®

JT5	N/A.....	N/A
JT9/JT10.....	355-1301	\$235.00
JT1220	N/A.....	N/A
JT20/2020	355-1246.....	\$372.75
JT27M1	355-1244	\$379.00
JT25/30/3020 ...	355-1244.....	\$379.00
JT40M1	N/A.....	N/A
JT60	N/A.....	N/A

DITCH WITCH EZ CONNECT

EZ Connect transition subs are designed to absorb stress that would otherwise be transmitted directly to the drill pipe, beacon housings, and backreamers. Manufactured with high-strength, low-alloy steel, our T-sub's are heat treated and precision-gun-drilled to produce maximum durability. EZ Connects are a time and energy saving innovation developed by Ditch Witch to help you easily and quickly remove the drill head or backreamer without the need for heavy tools. Simply remove one small bolt, slide collar, and unscrew the drill head or backreamer by hand.



EZ CONNECTS T-SUBS

MODEL(S)	PART#	PRICE	MODEL(S)	PART#	PRICE
JT5	400-1261	\$412.73	JT27M1 (2.00")	400-731	\$881.57
	369-258 Collar	\$64.89		400-1862 Collar	\$134.16
	107-519 Bolt	\$.66		107-521 Bolt	\$1.91
	149-104 O-ring	\$2.45		157-194 O-ring	\$3.69
JT9/922	400-1384	\$441.89	JT27M1 (2.25")	369-814	\$745.56
	400-1860 Collar	\$94.64		400-1863 Collar	\$204.88
	106-847 Bolt	\$1.56		107-521 Bolt	\$1.91
	149-911 O-ring	\$2.91		149-548 O-ring	\$5.41
JT1220	400-918	\$509.77	JT25/30/3020	400-1505	\$854.90
	400-1861 Collar	\$122.72		400-1864 Collar	\$231.92
	106-847 Bolt	\$1.30		107-277 Bolt	\$.47
	153-856 O-ring	\$.38		149-548 O-ring	\$5.41
JT20/2020	401-300	\$566.50	JT40M1	400-095	\$1,028.97
	400-1862 Collar	\$134.16		400-1865	\$258.96
	107-277 Bolt	\$.56		107-513 Bolt	\$2.64
	157-194 O-ring	\$3.69		149-041 O-ring	\$4.88
			JT60	400-2393	\$1,478.94
				400-2391 Collar	\$307.24
				155-074 Bolt	\$2.33
				149-042 O-ring	\$8.85

(EZ Connects come with collar, bolt and O-ring) These prices do not include sales tax.

DITCH WITCH Hawkeye

The Hawkeye™ HDD tooling connection features a breakthrough quick-threading tapered thread profile that compensates for wear, and has superior load-bearing and tensile load-carrying capabilities. Its unique design allows for easier flat alignment and lubrication. With a fast make-up and virtual elimination of cross-threading, Hawkeye is the new tooling connection leader.



HAWKEYE STARTER ROD

MODEL(S)	PART #	PRICE
JT9/922	918-0736	\$288.50
	918-0715 Collar	\$75.13
	918-0618 Bolt	\$14.97
	918-0751 Adaptor.....	\$258.91
JT1220	918-0738	\$293.81
	918-0715 Collar	\$75.13
	918-0618 Bolt	\$14.97
	918-0751 Adaptor.....	\$258.91
JT20/2020	918-2491(Long).....	\$541.52
	918-2453(Short).....	\$414.43
	918-2439 Collar	\$158.72
	918-0001 Bolt	\$9.91
	918-2407 Adaptor.....	\$332.76
JT25/30/3020	918-3091(Long).....	\$852.95
	918-3049(Short).....	\$559.08
	918-3029 Collar	\$188.29
	918-0001 Bolt	\$9.91
	918-3024 Adaptor.....	\$376.83



These prices do not include sales tax.

DITCH WITCH Power Housings

Ditch Witch Proline Series housings represent the top of the line Universal, Dirt, and HD Drill Housings in the world. Our patent-pending designed door slot technology has never had a failure in millions of hours of drilling time. The side-load housing allows the least amount of bent torque at the door in steering than any other housing. This housing is shorter to allow quicker steering. With the availability of the wide selection of Ditch Witch bits, this housing is a tough and versatile tool in your HDD Tool Box.



POWER HOUSE HD

MODEL(S)	PART #	PRICE
JT5	908-0680	\$830.96
JT9/922	908-0880	\$951.60
JT1220	908-1080	\$1037.92
JT20/2020	908-1680	\$1149.75
JT25/30/3020	908-4080	\$1317.95
JT40.....	908-5280	\$2288.00

These prices do not include sales tax or required adaptor.

BEACON BUDDIES

MODELS	PART #	PRICE
JT5 - JT20	159-461	\$16.24
JT25/30 - JT60	159-473	\$17.40

A Beacon Buddy is a temperature sensitive alloy screw plug, positioned just behind the bit. If the nozzle in the housing plugs and stops fluid flow, the housing will heat up causing the beacon buddy to melt and open up. Allowing fluid to flow again through your housing, cooling down the housing and preserving your beacon from burning up. This technology saves your beacon and saves you money.

DITCH WITCH TRIHAWK HOUSINGS

The Ditch Witch Trihawk is an exceptionally versatile, durable and productive housing for directional drilling. Available in four sizes, the Trihawk HD housing is capable with most Ditch Witch drills. With its ultra heavy-duty and innovative and high-flow design, Trihawk has the power and volume necessary to also run mud motors and air hammers. And, as drilling conditions change, you can change tooling with maximum speed and security thanks to the housing's square drive spline, one of Trihawk HD housing's many patented features. Our boltless pinned-lid system provides outstanding protection for and easy removal of your valuable electronics. One year warranty and factory-rebuild programs demonstrate our unparalleled product support.



DITCH WITCH TRIHAWK HOUSINGS

Ditch Witch Trihawk is an exceptionally versatile, durable and productive housing for directional drilling. Available with five interchangeable bits, this Heavy-Duty system is your all in one setup for all formations. With it's innovative high-flow design, Trihawk has the power and volume you necessary to also run mud motors and air hammers. And, as drilling conditions change, you can change the tooling with maximum speed and security thanks to the housing's square drive spline, one of Trihawk HD housing's many patented features. Patented boltless pinned-lid system provides outstanding protection for and easy removal of your valuable electronic's. One year warranty and factory-rebuild programs demonstrate Ditch Witch's unparalleled product support.



Can be used with Hawkeye or Splinelock connectors

TRIHAWK V BIT

TRIHAWK IV BIT

TRIHAWK III BIT

TRIHAWK I BIT

**TRIHAWK DIRT BIT
ADAPTOR**

CALL FOR PRICING & SETUP

*Housings and Bits are sold seperately

DITCH WITCH BITS

Ditch witch bits are optimized not only for the soils they work in but also for the drills that drive them. So, you know that when you're drilling with any Ditch Witch drill and bit, you're getting the level of performance that only comes from components truly made for each other. Ditch Witch bits are tested in real work conditions and engineered to outperform and especially outlast any competitor's bit. And they're made with the optimal amount and placement of carbide to maximize performance and value.

TUFF BIT



MODEL	CUT	PART #	PRICE
JT5	3"	369-727	\$171.02
JT9 TO JT20	3.5"	401-334	\$204.97
JT9 TO JT20	4"	369-731	\$243.78
JT9 TO JT20	5"	369-733	\$284.58
JT25/30/3020	5"	369-735	\$284.58
JT25/30/3020	6.4"	369-737	\$293.55
JT60	5"	369-739	\$288.40
JT60	6.5"	369-741	\$405.96

ULTIMATE LONG WEARING BIT FOR ALL SOIL CONDITIONS, INCLUDING HARD, COMPACTED SOILS SOR SOFT, SEDIMENTARY ROCK.

STEEP TAPER TUFF BIT (PULLING TOOL SOLD SEPERATELY)



MODEL	CUT	PART #	PRICE
JT5	N/A
JT9 TO JT20	4"	400-2657	\$390.37
JT25/30/3020	5"	400-2661	\$499.55
JT60	5"	400-1893	\$602.55
JT60	6"	400-431	\$710.70

DESIGNED FOR HARD, COMPACTED SOILS AND SOFT, SEDIMENTARY ROCK.

STEEP TAPER BIT



MODEL	CUT	PART #	PRICE
JT5	2.5"	369-315	\$ 82.40
JT9 TO JT20	3"	369-072	\$121.54
JT9 TO JT20	4"	368-895	\$148.92
JT9 TO JT20	5"	369-074	\$142.14
JT25/30/3020	5"	369-466	\$163.89
JT25/30/3020	6.4"	369-467	\$176.53
JT60	5"	369-486	\$227.29
JT60	6.4"	369-490	\$227.29

DESIGNED WITH A POINTED, TRIANGLE-SHAPED NOSE, THIS BIT CAN BE USED IN HIGHLY COMPACTED SOIL AND LIGHT ROCK.

DITCH WITCH BITS



OMNI BIT



MODEL	CUT	PART #	PRICE
JT5	N/A	
JT9 TO JT20	3.5"	400-2751	\$325.00
JT9 TO JT20	4"	400-2753	\$375.00
JT9 TO JT20	4.5"	400-2755	\$385.00
JT25/30/3020	4.5"	400-2759	\$390.00
JT25/30/3020	5"	400-2761	\$450.00
JT60	6"	400-2763	\$660.00
JT60	7"	400-2765	\$705.00

LONG-LASTING, ALL-PURPOSE BIT DESIGNED FOR USE IN A VARIETY OF SOILS, INCLUDING SANDSTONE, AND HARD SOILS.

SHOT GUN BIT



MODEL	CUT	PART #	PRICE
JT5	N/A	
JT9 TO JT20	3"	400-1665	\$185.64
JT9 TO JT20	4"	400-1667	\$195.84
JT9 TO JT20	5"	400-1669	\$221.34
JT25/30/3020	5"	400-1673	\$226.44
JT60	6"	400-1907	\$350.20

THIS NEW DESIGNED BIT IS MADE FOR HARD COMPACTED SOILS AND SEDIMENTARY ROCK.

BIT BOLTS

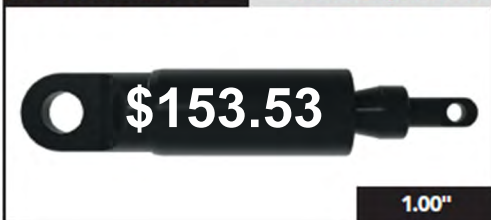
MODEL	PART #	PRICE
JT5 TO JT20	107-277	\$0.47
JT25/30	106-681	\$4.09
JT60	107-354	\$2.50

DITCH WITCH PULLING ACCESSORIES

Superior performance, competitively priced.

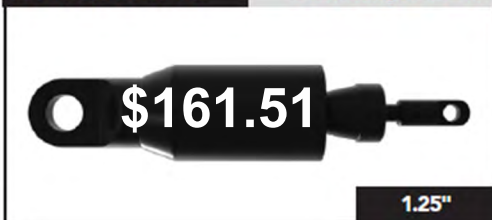
PREMIUM SLEEVED PIPE PULLERS

Part No: 902-2100 SDR Range: 11-17



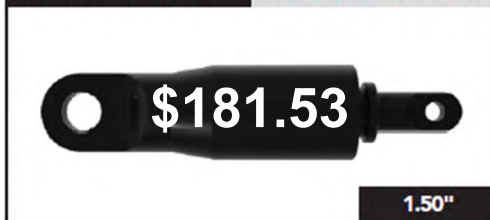
Pipe dia range (ID): 1.050 – 1.200" (26.7 – 30.5 mm)

Part No: 902-2200 SDR Range: 11-17



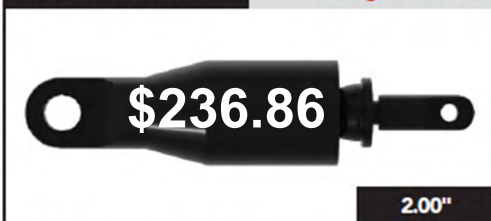
Pipe dia range (ID): 1.200 – 1.500" (30.5 – 38.1 mm)

Part No: 902-2300 SDR Range: 11-13.5



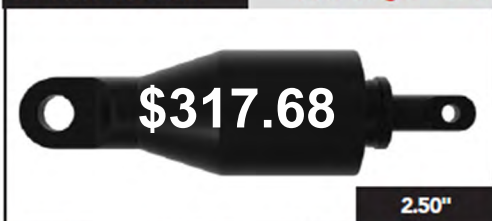
Pipe dia range (ID): 1.530 – 1.620" (38.9 – 41.1 mm)

Part No: 902-2400 SDR Range: 11-15.5



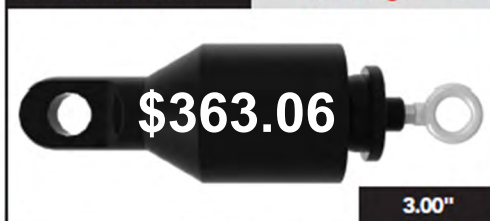
Pipe dia range (ID): 1.900 – 2.050" (48.3 – 52.1 mm)

Part No: 902-2500 SDR Range: 11-17



Pipe dia range (ID): 2.310 – 2.700" (58.7 – 65.6 mm)

Part No: 902-2600 SDR Range: 11-17



Pipe dia range (ID): 2.825 – 3.070" (71.8 – 77.9 mm)

Part No: 902-2700 SDR Range: 11-21



Pipe dia range (ID): 3.620 – 4.090" (91.9 – 103.9 mm)

Part No: 902-2900 SDR Range: 11-21



Pipe dia range (ID): 5.320 – 6.040" (135.1 – 153.4 mm)

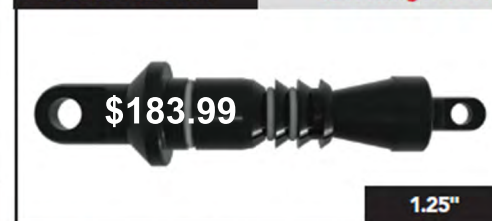
STANDARD UN-SLEEVED PIPE PULLERS

Part No: 902-0010 SDR Range: 11-17



Pipe dia range (ID): 1.050 – 1.200" (26.7 – 30.5 mm)

Part No: 902-0101 SDR Range: 9-17



Pipe dia range (ID): 1.200 – 1.500" (30.5 – 38.1 mm)

Part No: 902-0151 SDR Range: 11-13.5



Pipe dia range (ID): 1.530 – 1.620" (38.9 – 41.1 mm)

Part No: 902-0201 SDR Range: 11-15.5



Pipe dia range (ID): 1.900 – 2.050" (48.3 – 52.1 mm)

Part No: 902-0251 SDR Range: 11-17



Pipe dia range (ID): 2.310 – 2.700" (58.7 – 68.6 mm)

Part No: 902-0301 SDR Range: 11-17



Pipe dia range (ID): 2.825 – 3.070" (71.8 – 77.9 mm)

DITCH WITCH PULLING ACCESSORIES

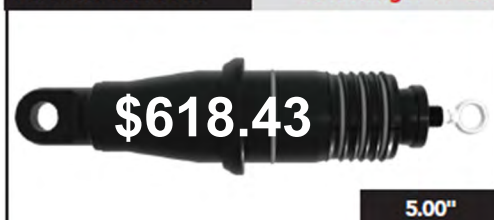
STANDARD UN-SLEEVED PIPE PULLERS (CONTINUED)

Part No: 902-0401 SDR Range: 11-21



Pipe dia range (ID): 3.620 – 4.090" (91.9 – 103.9 mm)

Part No: 902-0501 SDR Range: 11-26



Pipe dia range (ID): 4.470 – 5.160" (113.5 – 131.1 mm)

Part No: 902-0601 SDR Range: 11-21



Pipe dia range (ID): 5.320 – 6.040" (135.1 – 153.4 mm)

Part No: 902-0801 SDR Range: 11-21



Pipe dia range (ID): 7.050 – 7.750" (179.1 – 196.9 mm)

Part No: 902-1001 SDR Range: 11-26



Pipe dia range (ID): 8.670 – 9.875" (220.2 – 250.8 mm)

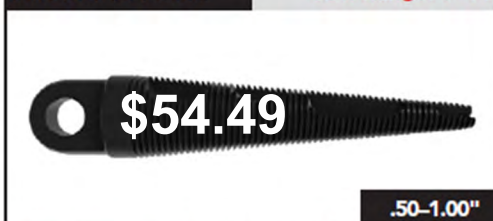
Part No: 902-1201 SDR Range: 11-32.5



Pipe dia range (ID): 10.430 – 11.960" (264.9 – 303.8 mm)

CARROT STYLE PIPE PULLERS

Part No: 901-0102 SDR Range: 9-11



Pipe dia range (ID): 0.38 – 1.08" (9.7 – 27.4 mm)

Part No: 901-0105 SDR Range: 7.3-17



Pipe dia range (ID): 0.90 – 1.21" (22.3 – 30.7 mm)

Part No: 901-0122 SDR Range: 9-13.5



Pipe dia range (ID): 1.00 – 1.39" (25.4 – 35.3 mm)

Part No: 901-0125 SDR Range: 9-17



Pipe dia range (ID): 1.27 – 1.51" (32.2 – 38.4 mm)

Part No: 901-0152 SDR Range: 7-17



Pipe dia range (ID): 1.10 – 1.66" (28.1 – 42.2 mm)

Part No: 901-0150 SDR Range: 11-17



Pipe dia range (ID): 1.52 – 1.67" (38.6 – 42.4 mm)

Part No: 901-0202 SDR Range: 9-17



Pipe dia range (ID): 1.82 – 2.10" (46.1 – 53.3 mm)

DITCH WITCH REAMERS

Ditch witch Backreamers are the longest-lasting, must ruggedly built in the industry. They're also the most flexible, designed to tackle the cutting and expanding requirements of extreme soil conditions like rock, chunk rock and cobble. Our Backreamers are engineered to comply to Ditch Witch machine specs. Made by Ditch Witch, for Ditch Witch. Featuring new, easy-to-adapt, API threads. Along with bolt-on swivel options for some of the styles. Larger Backreamers for the models shown and for larger models available upon request.

BEAVERTAIL HD



PART #	JT5 TO JT25/30	
	CUT	PRICE
400-1439	4.5" (JT5 ONLY).....	\$867.00
400-2602	6"	\$1058.81
400-2603	8"	\$1170.08
400-2604	10"	\$1287.50
400-2605	12"	\$1416.25

Featuring a low-weight design and a low-resistance profile for efficient fluid-mixing capabilities downhole.

COMPACT FLUTED HD (REQUIRES BOLT-ON SWIVEL, COMES WITH NOZZLES)



PART #	JT5 TO JT25/30	
	CUT	(w/o swivel) PRICE
	4.5" - 6.5" USES 12K SWIVEL, 8.5" & BIGGER USES 20K.	
400-2543	4.5"	\$871.38
400-2544	6.5"	\$1030.00
400-2545	8.5"	\$1383.29
400-2546	10.5"	\$1870.48
400-2547	12.5"	\$2104.29

The Compact Fluted Backreamer is used for cutting and compacting the hole in medium to tough soil conditions. Nozzles over the entire body provide good mixing action and efficient lubrication in the soil.

KODIAK HD (REQUIRES BOLT-ON SWIVEL)



PART #	JT5 TO JT25/30	
	CUT	(w/o swivel) PRICE
	4.5" - 6.5" USES 12K SWIVEL, 8.5" & BIGGER USES 20K.	
400-2599	8"	\$1652.90
400-2600	10"	\$2098.95
400-2601	12"	\$2535.75

With its improved plate design and tapered tail end, the Kodiak HD backreamer is your choice for extreme soil conditions, including rock, chunk rock and cobble.

DITCH WITCH REAMERS

Ditch witch Backreamers are the longest-lasting, most ruggedly built in the industry. They're also the most flexible, designed to tackle the cutting and expanding requirements of extreme soil conditions like rock, chunk rock and cobble. Our Backreamers are engineered to comply to Ditch Witch machine specs. Made by Ditch Witch, for Ditch Witch. Featuring new, easy-to-adapt, API threads. Along with bolt-on swivel options for some of the styles. Larger Backreamers for the models shown and for larger models available upon request.

WARTHOG HD



JT9 TO JT25/30
(THIS SIZE SHAFT COMES WITH PULL TAB)

PART #	CUT	PRICE
400-2537	8"	\$1245.92
400-2538	10"	\$1484.65
400-2539	12"	\$1603.68

The Warthog is designed to reduce drag and use lower torque pressures downhole for superior backreaming efficiency. Its carbide-reinforced Shark teeth carve through everything from hard, compacted soils to sandstone and softer limestone.

QUICK WRENCH SET



PART #	SET PRICE
191-1055.....	\$708.75

All prices for Backreamers are plus adapter

PULLING ACCESSORIES

We offer a variety of pulling accessories. If you need 2-leg, 3-leg, 4-leg slings, or special pull tabs, depending on the bit you're using. Slings with more legs, or larger cable thicknesses are available as special order. Just give us a call.

SLINGS



PART #	LEGS	PRICE
08549331	2-WAY	\$200.31
08549333	3-WAY	\$200.31
08549329	4-WAY	\$200.31

SHACKLES



PART #	SIZE	PRICE
110-509	1/2"	\$15.20
110-969	5/8"	\$22.42
110-040	3/4"	\$29.13
110-987	7/8"	\$39.89
369-709	JT5 Clevis.....	\$53.88

SPECIAL PULL TABS



STEEP TAPER TUFF BIT PULL BACK TOOL

PART #	PRICE
400-2669	\$29.89



STEEP TAPER STANDARD BIT PULL BACK TOOL

PART #	PRICE
400-241	\$79.09
107-354 (bolt)	\$2.50

DITCH WITCH SAVER SUBS

Your saver sub will make up to every joint of pipe on every job. So replace it every time you change your drill pipe. But don't accept imitations. Trust the only saver subs guaranteed to deliver genuine Ditch Witch performance. Made of high-grade steel, our solid, one-piece units are engineered with the same proprietary gauges used on all Ditch Witch drill string components. Don't see your model? Give us a call. Non-Current models are still available, just not listed here.



MODEL	PART #	PRICE
JT5	300-7827	\$236.39
	105-892 BOLTS (6)	\$.91
	155-792 O-RING	\$.30
JT9/922 COARSE THREAD.....	300-7767	\$262.32
	106-081 BOLTS (6)	\$1.76
	157-019 O-RING	\$.77
JT922 FINE THREAD	300-2340	\$244.80
	106-081 BOLTS (6)	\$1.76
	157-019 O-RING	\$.77
JT1220	400-604	\$442.02
	106-642 BOLTS (6)	\$1.90
	157-019 O-RING	\$.77
JT20/2020	400-905	\$469.20
	106-642 BOLTS (8)	\$1.90
	157-019 O-RING	\$.77
JT30/3020	400-1223	\$708.90
	106-478 BOLTS (8)	\$1.40
	157-019 O-RING	\$.77

DITCH WITCH SAVER LOK

Our most advanced saver sub, the SaverLok System provides the tightest connection and best protection against wear and tear on your drill pipe and drive system. The SaverLok System is quick and easy to install and replace. No special tools are required and—here’s the best part—no overnight downtime for your rig is necessary. A few minutes are all you need to get up and running. A kit might even be available to change your current Saver Sub driven unit, to a New and Improved Saver Lok! Just give us a call.



MODEL	PART # (comes with pins & o-ring)	PRICE
JT20/2020	400-1634	\$303.45
JT25/30/3020	400-2037	\$481.95
JT60	400-2150	\$909.30

PULL BACK SWIVELS

We offer a variety of swivels to meet any job or budget.

DITCH WITCH SWIVELS



SIZE	PART NUMBER	PRICE
5,000LB DUB	185-935	\$458.29
12,000LB CLEVIS/TAB .	368-513	\$717.03
20,000LB CLEVIS/TAB .	368-634	\$957.96
20,000LB 30KCLEVIS/20KTAB .	369-712	\$957.96

VALUE DUB SWIVELS



SIZE	PART NUMBER	PRICE
10,000LB 2.0" THICK ...	08190420	\$581.13
20,000LB 2.5" THICK ...	08190425	\$746.13

DITCH WITCH ACCESSORIES

Drillers need supplies when out on the job. Ditch Witch provides our drillers with the supplies they need. If it's Environmentally Friendly rod grease, Copper grease. Oring kits, rod wipers, pipe guides, grippers for your drill rods or maybe the jaws. We have also provided part numbers and quantities needed for some of those wearable parts needed on your drills. Saving you the time of having to check your parts manual. Don't see your model? Give us a call.

WRENCH JAWS



MODEL	PART #	PRICE(ea)
JT5	375-1029 (4)	\$32.70
JT922/9/10 COARSE	357-222 (4)	\$24.48
JT922 FINE	300-1995 (4)	\$19.33
JT1220	357-222 (4)	\$24.48
JT20/2020	357-222 (4)	\$24.48
JT25/30/3020	375-1126 (4)	\$71.60
JT60	375-1132 (4)	\$105.50

PIPE GUIDES



MODEL	PART #	PRICE(ea)
JT5	362-0029 (4)	\$21.18
JT9/922 COARSE	362-0028 (4)	\$19.17
JT922 FINE	362-1057 (4)	\$25.57
JT1220	362-0028 (4)	\$19.17
JT20/2020	362-1811 (4)	\$26.44
JT25/30/3020	362-2569 (4)	\$70.61
JT60	362-0002 (4)	\$122.16

PIPE GRIPPERS



MODEL	PART #	PRICE(ea)
JT1220	315-739 (4)	\$20.45
	315-740 (2)	\$14.38
JT20/2020.....	362-1794 (4)	\$5.41
	362-1795 (2)	\$3.63
JT30/3020	118-492 (2)	\$76.02
	300-4075 (2)	\$76.69
JT25	307-769 (2)	\$43.18
	313-487 (2)	\$33.22
JT60	362-1743 (2)	\$62.09
	362-1744 (2)	\$41.33

NOT ALL PIPE GRIPPERS LOOK THE SAME, IMAGE MAY VARY

DITCH WITCH ACCESSORIES

Drillers need supplies when out on the job. Ditch Witch provides our drillers with the supplies they need. If it's Environmentally Friendly rod grease, Copper grease. Oring kits, rod wipers, pipe guides, grippers for your drill rods or maybe the jaws. We have also provided part numbers and quantities needed for some of those wearable parts needed on your drills. Saving you the time of having to check your parts manual. Don't see your model? Give us a call.

THREAD GREASE



TYPE	PART #	PRICE
ENV. FRIENDLY (white)...	256-1005	\$87.59
COPPER STANDARD	259-858	\$84.26
COPPER TUBES	256-663	\$7.00

ROD WIPERS



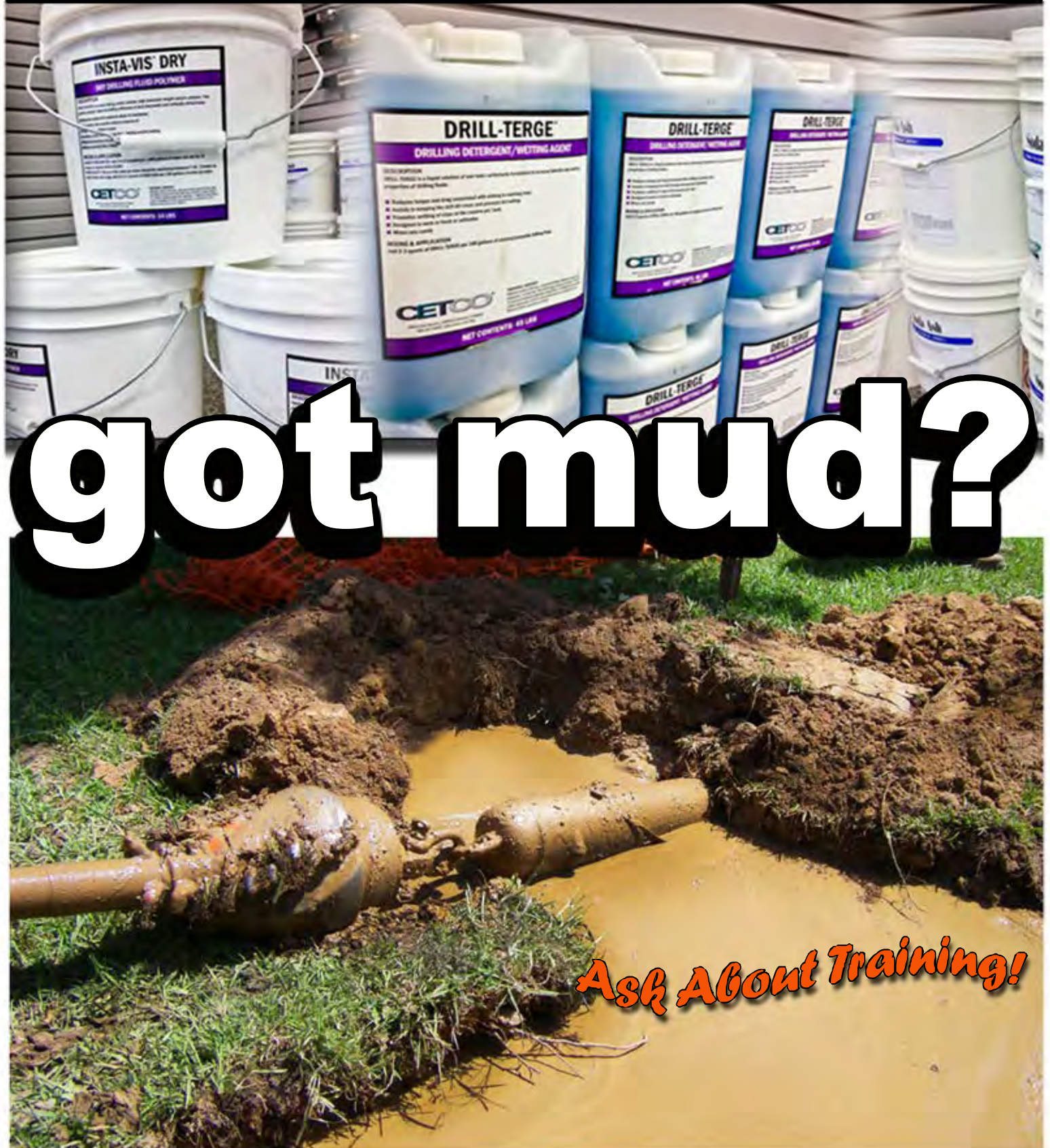
MODEL	PART #	PRICE(ea)
JT5	116-515	\$23.55
JT9/922	149-578	\$83.73
JT1220	149-974	\$90.48
JT20/2020	149-973	\$96.14
JT25/30/3020	149-973	\$96.14
JT60	117-627	\$212.16

O-RING KITS



PART #	PRICE
190-051 SMALL	\$38.04
190-052 LARGE	\$197.88

CETCO®



CETCO® Mud Recipes

SANDS

1. SODA ASH (add when filling water)
0.25 to 0.50 lbs per 100 gallons of water to a PH of 9.5 or higher
2. HYDRAUL-EZ®
25 to 30 lbs per 100 gallons of freshwater
3. REL PAC™ XTRA-LOW (Mix at high shear thru a venturi hopper to avoid fish eyes, clumping, and waste)
Add 0.5–1.5 lbs per 100 gallons of existing drilling fluid.
4. SUSPEND-IT™ (after polymer has been fully blended into the system)
0.50 lbs per 100 gallons of drilling fluid

SAND AND GRAVEL

1. SODA ASH (add when filling water)
0.25 to 0.50 lbs per 100 gallons of water to a PH of 9.5 or higher
2. HYDRAUL-EZ®
30 to 35 lbs per 100 gallons of freshwater
3. REL PAC™ XTRA-LOW (Mix at high shear thru a venturi hopper to avoid fish eyes, clumping, and waste)
Add 0.5–1.5 lbs per 100 gallons of existing drilling fluid.
4. SUSPEND-IT™ (after polymer has been fully blended into the system)
0.50 lbs per 100 gallons of drilling fluid

CLAYS

1. SODA ASH (add when filling water)
0.25 to 0.50 lbs per 100 gallons of water to a PH of 9.5 or higher
2. HYDRAUL-EZ®
10 to 20 lbs per 100 gallons of freshwater
3. INSTA-VIS DRY™ (after drilling fluid has completely yielded)
0.50 TO 3 lbs per 100 gallons of drilling fluid
*Mix for 10 to 15 minutes to hydrate.
4. CLAY CUTTER™ (after drilling fluid has completely yielded) 14.00 ozs per 100 gallons (Liquid) or 1 to 2 pounds (23 ozs = 1 pound) per 1000 gallons (Dry)

SWELLING CLAYS

1. SODA ASH (add when filling water)
2. HYDRAUL-EZ®
10 to 15 lbs per 100 gallons of freshwater
3. REL PAC™ XTRA-LOW (Mix at high shear thru a venturi hopper to avoid fish eyes, clumping, and waste)
Add 0.5–1.5 lbs per 100 gallons of existing drilling fluid.
4. DRILL-TERGE™ (after polymer has been fully blended into the system)
2.00 to 3.00 qts per 100 gallons of drilling fluid
5. CLAY CUTTER™ (after drilling fluid has completely yielded) 14.00 ozs per 100 gallons (Liquid) or 1 to 2 pounds (23 ozs = 1 pound) per 1000 gallons (Dry)

GRAVEL AND COBBLE

1. SODA ASH (add when filling water)
0.25 to 0.50 lbs per 100 gallons of water to a PH of 9.5 or higher
2. HYDRAUL-EZ®
30 to 35 lbs per 100 gallons of freshwater
3. REL PAC™ XTRA-LOW (Mix at high shear thru a venturi hopper to avoid fish eyes, clumping, and waste)
Add 0.5–1.5 lbs per 100 gallons of existing drilling fluid.
4. SUSPEND-IT™ (after polymer has been fully blended into the system)
2.00 lbs per 100 gallons of drilling fluid

SILT

1. SODA ASH (add when filling water)
0.25 to 0.50 lbs per 100 gallons of water to a PH of 9.5 or higher
2. HYDRAUL-EZ®
10 to 15 lbs per 100 gallons of freshwater
3. INSTA-VIS™ PLUS (after drilling fluid has completely yielded)
0.50 qts per 100 gallons of drilling fluid
4. DRILL-TERGE™ (after polymer has been fully blended into the system)
2.00 to 3.00 qts per 100 gallons of drilling fluid



SUPER GEL-X



SUPER GEL-X is an easy mixing, high viscosity 200 bbl yield fresh water drilling fluid produced from the highest grade wyoming sodium bentonite. It helps reduce solids and increases lifting power. Stabilizes bore holes. Cools and lubricates the bit.

Super Gel-X mixing ratio in pounds per 100 gallons of fresh water:

Normal Conditions: 15 - 25 lbs

Sand and Gravel: 25 - 35 lbs

\$6.50 PER 50LB BAG

HYDRAUL-EZ



HYDRAUL-EZ is a high-yield, 200 mesh sodium bentonite with a special dry polymer additive. It is designed to maintain bore hole integrity in horizontally drilled bore holes. Eliminates clay and shale swelling. Concentrated for high-yield and forms a tight, thin filter cake in unstable formations.

HYDRAUL-EZ mixing ratio in pounds per 100 gallons of fresh water:

Normal Conditions: 20 - 30 lbs

Sand and Gravel: 30 - 40 lbs

Fluid loss control: 40 - 60 lbs

\$10.85 PER 50LB BAG

DRILL-TERGE



DRILL-TERGE is a liquid solution of nonionic surfactants formulated to increase detergency and wetting properties of drilling fluids. Designed to control interfacial tension and inhibit the hydration and dispersion of clay and shale. Assists in keeping the drill bit clean and prevents bit balling.

MIXING AND APPLICATION:

Add 2-3 quarts per 100 gallons of existing bentonite drilling fluid.

\$77.12 5 GAL BUCKET

INSTA-VIS DRY



INSTA-VIS DRY is an easy-mixing, water soluble, high molecular weight anionic polymer. This granular polymer improves drilling efficiency. Designed for use as a drilling fluid polymer for improved viscosity, fluid loss control, bit lubrication, and shale stabilization/inhibition. INSTA-VIS DRY can be mixed into SUPER GEL-X or HYDRAUL-EZ slurries. **MIXING AND APPLICATION:**

Always mix bentonite first; then add 2 to 10 lb per 300 gallons. Mix for 10 to 15 minutes to hydrate.

\$107.39 14LB PAIL



CLAY CUTTER PRO



CLAY CUTTER PRO is a dry version of the CLAY CUTTER liquid additive. This concentrated, non-hazardous, proprietary clay inhibitor can be used with either polymer or bentonite drilling fluid systems. This dry additive is cost effective and dosages are easily monitored and controlled. CLAY CUTTER PRO is an ideal additive for HDD bores in reactive clay soils. **MIXING AND APPLICATION:** Add CLAY CUTTER PRO to the drilling fluid system last. For sticky and swelling clays use 1 to 2 lbs per 1,000 gallons depending on conditions.

\$362.39 5gal BUCKET

REL-PAC XTRA-LOW 25LB



Rel-Pac Xtra-Low is a low viscosity, non-fermenting dry polymer designed for use as a more efficient filtration control additive in a variety of drilling fluid applications. Rel-Pac Xtra-Low will help increase borehole stability by lowering filtrate and fluid loss more effectively than other PAC's. Rel-Pac Xtra-Low aids cleaning by not significantly raising viscosities and impeding flow. Helps control reactive formations by reducing available water and controls unconsolidated formations by reducing whole fluid loss.

\$197.23 25lb BUCKET

SUSPEND-IT 35LB



Suspend-IT is an easy mixing biopolymer additive, designed to enhance gel strength of the drilling fluid for improved suspension and transporting of drill cuttings, gravel, and cobble on long bores. Works great on long and/or large diameter bores in collapsible soils. Suspend-IT will perform effectively in fresh or saltwater. **MIXING AND APPLICATION:**

Add 0.5 to 1 pound per 100 gallons of Suspend-IT to existing drilling fluid.

\$450.30 35lb BUCKET



SODA ASH



SODA ASH is used to raise the pH of make-up water for bentonite and polymer drilling fluids by precipitating soluble calcium. Using SODA ASH will increase the performance of bentonite and polymer drilling fluids. SODA ASH will keep your chemicals bond and stay mixed longer down hole so the drilling fluid will do a better job excavating the hole by removing more spoils and less trips to dump the vacuum. If you have ever seen your drilling fluid separate in the tank, what do you think it is doing down hole? You need to add SODA ASH.

\$66.00 5GAL BUCKET

SLURRY BOND

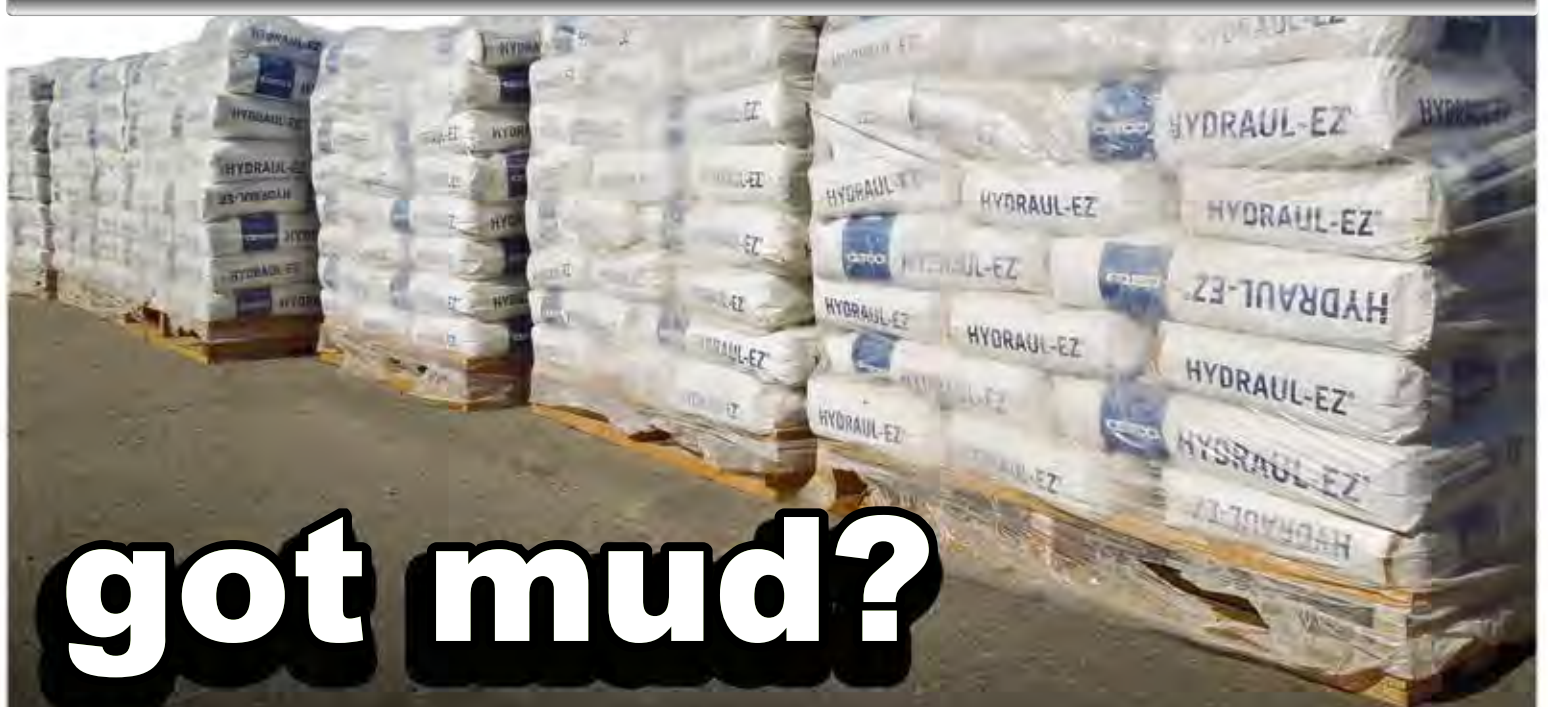


SLURRY BOND is a powdered inorganic mineral formula used for the solidification of high solids drilling slurries. SLURRY BOND should be poured into or across the surface of the waste slurry pit. The SLURRY BOND can be stirred into the waste slurry with a backhoe or excavator.

Mixing and Application

1. Measure the slurry weight using a standard mud balance. 2. Calculate to solids/water percentage. $7.5 \times MW - 62.5 = \% \text{ Solids}$. $(7.5 \times 12.5) - 62.5 = 31.25\% \text{ Solids}$. $100 - 31.25 = 68.75\% \text{ H}_2\text{O}$. $(\% \text{ water} \times \text{pit volume} \times 8.345) \div 7.5 = \text{pounds SLURRY BOND required}$. EX: $0.6875 \times 10,000 \text{ gallons slurry} = 6,875$ gallons water $\times 8.345 \div 7.5 = 57,371 \div 7.5 = 7,649$ pounds SLURRY BOND required.

\$21.04 PER 50LB BAG



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2.5" CAT tool, hose, oil & oiler: \$5,427.81

3" CAT tool, hose, oil & oiler: \$6,352.74

4.4" CAT tool, hose, oil & oiler: \$7,830.91

Call for demo or additional pricing

*Prices are plus sales tax. Pricing shown is for AHPP and CAT model setups.



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800-510-6262**

**Central California
800-350-2595**

**Southern California
800-491-9004**



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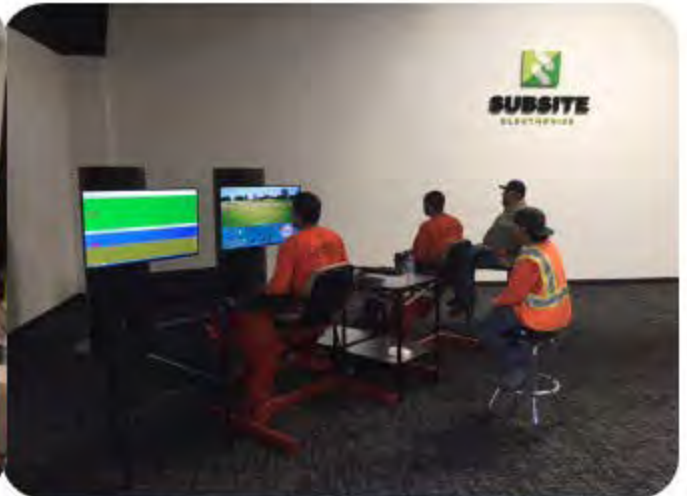


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Ditch Witch
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