



VOLUME 8

HDD TOOL CATALOG

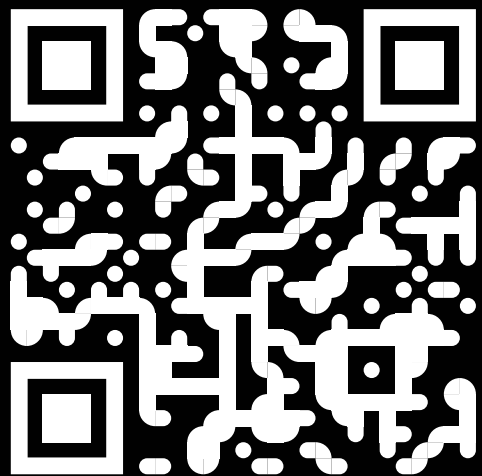


CALL, TEXT OR CLICK



We know you are busy. So we give you more ways to order, whether you are in the middle of town or the middle of nowhere. Call or text us at **855.471.2771**.

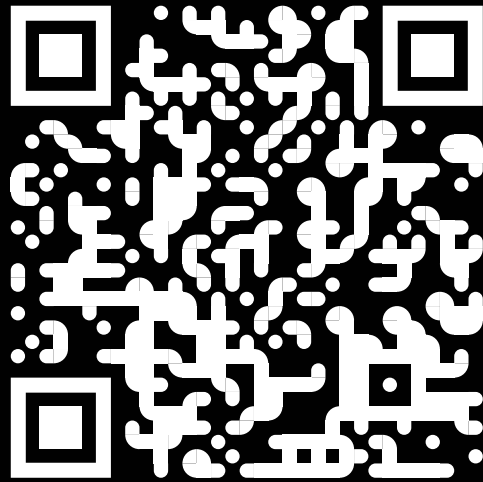
Or order online at **radiushdd.com**. You can even find Radius tools at participating dealers worldwide.



LLAMADA, TEXTO HACER CLIC

Sabemos que estás ocupado. Así que te damos más formas de ordenar, ya sea que estés en el medio de la ciudad o en el medio o en ninguna parte. Llámanos o envíanos un mensaje de texto al **855.471.2771**.

O haga su pedido en línea en **radiushdd.com**. Incluso puede encontrar herramientas Radius en los distribuidores participantes en todo el mundo.



FIND IT FAST.

DRIVE CHUCKS & SUB SAVERS	6
STARTER RODS, EZ CONNECTS, & QUICK CONNECTS	9
ADAPTERS & SUBS	11
HOUSINGS	14
ROCK TOOLS	20
BITS & BLADES	27
REAMERS	33
SWIVELS	37
PARTS & ACCESSORIES	39

RADIUS HDD IS COMMITTED TO HDD TOOLS.

It's all we do. While a number of our customers are business heads, owners and managers, we consistently work directly with the "men in the mud". That is where our business started and will always be focused. By listening, watching and working with HDD operators and crews, we hear first hand what works and what doesn't. That input - your input - directly drives our business.

More than a decade into business, Radius offers a complete line of the highest quality tools to HDD professionals worldwide through the most comprehensive catalog and website in the industry. We will continue to work in the mud with contractors to listen and build the toughest and most innovative tools to help you tackle the challenges you face everyday.

We are proud of every driller that puts their confidence in our tool and will continue to work hard everyday to build that trust.



BUILD & ORDER YOUR

Build your sub today with our easy to use online sub builder. Any connection you need, Radius will get it to you the next day with our dedicated machines for same-day production.

A better
experience,
website to
jobsite.



Radius offers today's HDD Pro more than 2,000 tools. But one of the most important tools you can take advantage of is RadiusHDD.com.

DRIVE CHUCKS

PRECISION MACHINED FOR

OUR DRIVE CHUCKS ARE BUILT TO THE EXACT SPECIFICATIONS OF THE ORIGINAL EQUIPMENT MANUFACTURER USING HEAT TREATED ALLOY

FOR MAXIMUM DURABILITY.

DITCH WITCH® COMPATIBLE 1 PC. DRIVE CHUCKS/SUB SAVERS

PART #	FITS MODEL	THREAD TYPE	OVERALL LGTH	PRICE
953-0029	JT5	1.10 - 5 Pipe Box	6.5	\$247.25
953-0030	JT520	1.21 - 6 Pipe Box	4.75	\$250.37
953-0031	JT920L / 921	1.41 - 6 Pipe Box	6.375	\$307.07
953-0032	JT922	1.30 - 5 Coarse Thread Pipe Box	9.5	\$284.88
953-0218	JT922	1.41 - 6 Pipe Box	9.5	\$411.62
953-0033	JT1220 / JT1220M1	1.47 - 4 Pipe Box	9.875	\$424.63
953-0034	JT1720 / JT1720M1	1.69 - 6 Pipe Box	6.375	\$362.97
953-0035	JT2020M1	1.94 - 4 Pipe Box	10.875	\$494.50
953-0036	JT2720	1.94 - 4 Pipe Box	9.875	\$465.15
953-0037	JT2720M1	2.11 - 4 Pipe Box	19.25	\$725.63
953-0038	JT3020M1	2.11 - 6 Pipe Box (Square Flange)	27.25	\$1,025.59
953-0039	JT4020	2.40 - 4 Pipe Box	9.5	\$813.18
953-0040	JT4020M1	2.59 - 4 Pipe Box	20.5	\$1,571.11
953-0041	JT7020 / JT8020 / JT100M1	3.27 - 4 Pipe Box	24.25	\$1,472.75
953-0335	JT2720M1	2.11 - 4 Pipe Box (Large Flange)	19.375	\$796.84
953-0367	JT100	3.27 - 4 Pipe Box	25.375	\$1,337.41
				\$1,365.25



DITCH WITCH® COMPATIBLE CONVERSION SUB SAVERS

PART #	FITS MODEL	THREAD TYPE	OVERALL LGTH	PRICE
953-0454	JT922	1.66 FS1 (Box Down) Conversion Sub Saver	6	\$123.63
953-0455	JT922	1.66 Firestick 200 Pin x Pin (Pin Down) Conversion Sub Saver	7	\$123.63
953-0017	JT2020M1	2.375 Firestick 600 Box x Pin (Pin Down) Conversion Sub Saver	5.5	\$155.88
953-0409	JT1220	1.90 Firestick 250 Box x Box (Box Down) Conversion Sub	5.5	\$145.13
953-0410	JT1220	1.90 Firestick 250 Box x Pin (Pin Down) Conversion Sub Saver	5.5	\$145.13
953-0415	JT1220 / 2020	2.06 Firestick 400 Box x Pin (Pin Down) Conversion Sub Saver	6.25	\$129.00
953-0421	JT2720M1 /	2.375 Firestick 600 Pin x Pin (Pin Down) Conversion Sub Saver	11.25	\$177.38
953-0458	JT2720M1 / 3020M1	2.375 Firestick 600 Pin x Box (Box Down) Conversion Sub	11.25	\$189.50
953-0430	JT7020 / 8020 / 100	3.5 Firestick 800 Box x Pin (Pin Down) Conversion Sub Saver	14.9	\$387.00
953-0431	JT7020 / 8020 / 100	3.5 Firestick 800 Box x Box (Box Down) Conversion Sub Saver	14.9	\$387.00



DITCH WITCH® COMPATIBLE CONVERSION DRIVE CHUCKS

PART #	FITS MODEL	THREAD TYPE	OVERALL LGTH	PRICE
953-0407	JT922 Box Down	1.66" Firestick 1 Pipe (200) (1 pc)	9.9"	\$493.43
953-0456	JT922 Box Down	1.66" Firestick 1 Pipe (200) (2 pc)	9.9"	\$524.28
953-0256	JT922 Box Down	1.66" Firestick 1 Pipe (200) (1 pc)	10.9"	\$493.43
953-0457	JT922 Box Down	1.66" Firestick 1 Pipe (200) (2 pc)	10.9"	\$725.63
953-0411	JT1220 Box Down	1.90" Firestick 1 Pipe (250) (2 pc)	10.75"	\$587.49
953-0412	JT1220 Pin Down	1.90" Firestick 1 Pipe (250) (2 pc)	10.75"	\$738.42
953-0413	JT1220 / JT2020 Box Down	2.06" Firestick 1 Pipe (400) (1 pc)	10.25"	\$591.25
953-0416	JT1220 / JT2020 Pin Down	2.06" Firestick 1 Pipe (400) (1 pc)	11.5"	\$780.02
953-0214	JT2020M1 Box Down	2.375" Firestick 1 Pipe (600) (1 pc)	11.25"	\$607.38
953-0403	JT2020M1 Pin Down	2.375" Firestick 1 Pipe (600) (2 pc)	11.25"	\$607.38
953-0265	JT2720M1 Box Down (S-Flange)	2.375" Firestick 1 Pipe (600) (1 pc)	19.3"	\$909.50
953-0266	JT2720M1 Box Down (S-Flange)	2.375" Firestick 1 Pipe (600) (2 pc)	19.3"	\$714.88
953-0423	JT2720M1 Pin Down (S-Flange)	2.375" Firestick 1 Pipe (600) (1 pc)	19.3"	\$714.88
953-0417	JT2720M1 Box Down (L-Flange)	2.375" Firestick 1 Pipe (600) (1 pc)	19.3"	\$747.13
953-0461	JT2720M1 Box Down (L-Flange)	2.375" Firestick 1 Box (600) (2 pc)	19.3"	\$747.13
953-0424	JT2720M1 Pin Down (L-Flange)	2.375" Firestick 1 Pipe (600) (2 pc)	19.3"	\$1,106.93
953-0395	JT3020M1 Box Down (S-Flange)	2.375" Firestick 1 Pipe (600) (1 pc)	27.6"	\$1,381.38
953-0462	JT3020M1 Box Down	2.375" Firestick 1 Pipe (600) (2 pc)	27.6"	\$1,381.38
953-0427	JT3020M1 Pin Down (S-Flange)	2.375" Firestick 1 Pipe (600) (2 pc)	27.6"	\$1,381.38
953-0391	JT7020 / JT8020 / JT100 Box Down (S-Flange)	3.5" Firestick 1 Pipe (800) (1 pc)	24.3"	\$1,910.28
953-0269	JT7020 / JT8020 / JT100M1 Box Down (S-Flange)	3.5" Firestick 1 Pipe (800) (2 pc)	24.3"	\$1,182.50
953-0432	JT7020 / JT8020 / JT100 Pin Down (S-Flange)	3.5" Firestick 1 Pipe (800) (2 pc)	24.3"	\$2,522.22
953-0392	JT7020 / JT8020 / JT100 Box Down (L-Flange)	3.5" Firestick 1 Pipe (800) (2 pc)	25.3"	\$1,290.00
953-0434	JT7020 / JT8020 / JT100 Pin Down (L-Flange)	3.5" Firestick 1 Pipe (800) (2 pc)	25.3"	\$1,290.00

**ASTEC® / TORO® / GRUNDODRILL® / UNIVERSAL**

PART #	FITS MODEL	THREAD TYPE	PRICE
953-0331	Astec® 1416	1.9" FS1 Pin	\$593.51
953-0370	Astec® 3238	2-3/8" FS1 Pin	\$599.58
953-0351	TTTX Drive Chuck Assy	1.66 FS1 Box	\$349.38
953-0383	Universal 90x120	Drive Chuck 3.5" FS1 (800)	\$1,049.20
953-0384	Universal 90x120	Drive Chuck 3.5" FS1 (1000)	\$1,100.80
953-0390	Universal 100x120	Drive Chuck 3.5" FS1 (1000)	\$1,100.80

**MISC. SUB SAVERS**

PART #	FITS MODEL	THREAD TYPE	PRICE
953-0378	Sub Saver	2-7/8" IF Box Pin	\$430.00
953-0385	Universal 100x120	Drive Chuck 3.5" HXT (FSII)	\$548.25
953-0386	Universal 120x180 / 160x240	DS-40 Box x Pin (4" Full Hole)	\$415.00
953-0387	Barbco BD100 &120 -20SC	Sub Saver 3.5" FS1 (1000)	\$456.88
953-0388	Barbco BD250-TK	3.5" IF Box x Pin	\$483.75

**THREAD LOCK EPOXY**

PART #	FITS MODEL	THREAD TYPE	PRICE
954-0447	Jet-Lok 250 Thread Locker	Epoxy Resin / Activator (2 pc)	\$25.26

VERMEER® COMPATIBLE 2 PC. DRIVE CHUCK ASSEMBLY

PART #	FITS MODEL	THREAD TYPE	OVERALL LGTH	PRICE
953-0001	D7x11	1.66" Firestick (200)	12.25	\$433.28
953-0005	D10x15	1.66" Firestick (200)	13.25	\$563.46
953-0008	D16x20 / D18x22	1.90" Firestick (250)	13.5	\$437.53
953-0042	D24x26 / D20x22	2.06" Firestick (400)	13.5	\$411.94
953-0012	D24x26	2.06" Firestick (400)	17	\$479.18
953-0015	D24x40 (Below SN# 383)	2.375" Firestick (600)	14.5	\$539.17
953-0212	D24x40 (Above SN# 384)	2.375" Firestick (600)	16	\$630.49
953-0211	D24x40 Series II	2.375" Firestick (600)	18.5	\$564.38
953-0020	D33x44 / D36x50	2.375" Firestick (650)	16.5	\$645.00
953-0048	D36x50 Series II	2.625" Firestick (700)	17.5	\$677.25
953-0475	D40x55	2.625" Firestick (700)	18.5	\$854.63
953-0023	D50x100	2.875" Firestick (900)	17	\$1,836.29
953-0270	D60x90	2.875" Firestick (900)	19.7	\$1,958.70
953-0026	D50x100 / D55 x 100 / D75x100 / D80x100	3.5" Firestick (800)	20	\$1,567.94
953-0195	D100x120 / D100x120 Series II / D100x140	3.5" Firestick (1000)	19.5	\$1,800.63
953-0203	D50x100 / D55 x 100 / D75x100 / D80x100	3.5" FS1 Pin (800) Wireline	20	\$2,118.02
953-0206	D100x120 / D100x120 Series II / D100x14	3.5" FS1 Pin (1000) Wireline	19.5	\$1,912.59
953-0189	D33x44 / D36x50	2.375" FSII Drive Chuck Assy.	17.5	\$697.68
953-0128	D100x120	3.5" FSII Drive Chuck Assy.	19.5	\$1,560.36

**VERMEER® COMPATIBLE DRIVE CHUCKS / SUB SAVERS**

PART #	FITS MODEL	THREAD TYPE	SHOULDER TO SHOULDER	PRICE
953-0003	D7x11 / D10x14 / D10x15	1.66" Firestick (200)	4	\$141.99
953-0004	D7x11 Series II / D9x13 Series II	1.66" Firestick (200)	7	\$166.63
953-0010	D16x20 / D18x22	1.90" Firestick (250)	4	\$121.48
953-0011	D16x20 / D20x22	1.90" Firestick (250)	10.14	\$249.40
953-0044	D18x22 / D20x22 / D24x26	2.06" Firestick (400)	6.5	\$169.85
953-0014	D24x26	2.06" Firestick (400)	8	\$146.20
953-0046	D20x22 Series II	2.06" Firestick (400)	10.14	\$191.35
953-0047	D20x22FX Series II (No Flange Required)	2.06" Firestick (400)	10.14	\$223.60
953-0473	D23x30	2-3/8" Firestick (600)	10.125	\$169.85
953-0017	D24x40 (Below Serial Number #383)	2.375" Firestick (600)	5.5	\$155.88
953-0200	D24x40 (Serial Number #384 and Above)	2.375" Firestick (600)	7	\$178.80
953-0019	D24x40 Series II	2.375" Firestick (600)	9.5	\$166.63
953-0022	D33x44 / D36x50	2.375" Firestick (650)	7.92	\$220.38
953-0018	D33x44 / D36x50	2.375" Firestick II (602)	8.375	\$224.68
953-0201	D36x50	2.625" Firestick (700)	8.5	\$252.63
953-0272	D36x50DR Outer Rod	2.625" Firestick (750)	9.5	\$403.13
953-0474	D40x55	2.625" Firestick (700)	9.5	\$284.88
953-0025	D50x100	2.875" Firestick (900)	8.3	\$360.13
953-0271	D60x90	2.875" Firestick (900)	8.5	\$350.45
953-0028	D50x100 / D55x100 / D75x100 / D80x100	3.5" Firestick (800)	7	\$360.13
953-0197	D100x120 Series II / D100x140	3.5" Firestick (1000)	7	\$375.18

D16x20
Drive Chuck
Assembly

I TELL ANYONE WHO ASKS ME ABOUT TOOLING THAT RADIUS IS WHO TO CALL. THEY HAVE THE BEST TOOLING FOR THE BEST COST AND WILL HAVE IT IN YOUR HANDS IN LESS THAN 36 HOURS. KEEP UP THE GREAT WORK GUYS. RADIUS, MAKING IT HAPPEN.

STARTER RODS & QUICK

HEX COLLARS OR OCTAGON COLLARS. EZ CONNECTS, QUICK CONNECTS OR STARTER RODS. WHATEVER YOU NEED, WE'VE GOT 'EM IN STOCK

CALL, TEXT OR ORDER ONLINE TODAY!

Radius collars feature our proprietary hard-facing matrix for increased durability and wear resistance. The collar fits over the flats on the starter rod, preventing over-torquing of the threads.

VERMEER® COMPATIBLE COLLARS

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0057	2" Hex Collar with Hardfacing 1.625" Low Profile	D7x11 / D9x13 / D10x14 / D10x15	\$145.13
953-0058	2.5" Hex Collar with Hardfacing 2.125" Low Profile	D36x50 to D40x40	\$118.25
953-0364	2.5" Hex Collar with Carbide Teeth and Hardfacing	D36x50 to D40x40	\$182.75
953-0396	2" Hex Collar with Carbide Teeth and Hardfacing	D7x11 / D9x13 / D10x14 / D10x15	\$180.92
953-0275	Hex Collar, Quickfire 300 Compatible with Hardfacing	D7x11 / D9x13 / D10x14 / D10x15	\$145.13
953-0276	Hex Collar, Quickfire 400 Compatible with Hardfacing	D36x50 to D40x40	\$145.13
953-0277	Hex Collar, Quickfire 460 Compatible with Hardfacing	D36x50 / D36x50 Series II /	\$172.00
953-0397	Hex Collar, Quickfire300 Compatible with Carbide Teeth & Hardfacing	D7x11 / D9x13 / D10x14 / D10x15	\$161.25
953-0398	Hex Collar, Quickfire 400 Compatible with Carbide Teeth & Hardfacing	D36x50 to D40x40	\$175.23
953-0399	Hex Collar, Quickfire 460 Compatible with Carbide Teeth & Hardfacing	D36x50 / D36x50 Series II / D40x55	\$195.65
953-0446	Hex Collar, Quickfire 700 Compatible with Carbide Teeth & Hardfacing	D36x50DR	\$691.06



953-0057

DITCH WITCH® COMPATIBLE OCTAGON COLLARS

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0070	1.5" Octagon Collar EZ2 with Hardfacing	JT520 / JT5	\$80.63
953-0071	2" Octagon Collar EZ2 with Hardfacing	JT920 / JT920L / JT922 / JT10	\$102.13
953-0072	2.25" Octagon Collar EZ3 with Hardfacing	JT1220	\$112.88
953-0073	2.5" Octagon Collar EZ2 with Hardfacing	JT1720 / JT2020M1 / JT2720 /	\$123.63
953-0074	2.75" Octagon Collar EZ3 with Hardfacing	JT3020 Mach1 / AT2720M1 / AT3020M1 / JT25	\$300.58
953-0075	3" Octagon Collar EZ2 with Hardfacing	JT4020 / JT4020M1	\$159.10
953-0258	4.125" Octagon Collar with Hardfacing	JT7020 / JT8020 / JT100	\$368.65
953-0220	2.75" Octagon Collar EZ2 with Hardfacing	JT2720M1 / JT25	\$123.63
953-0400	3" Octagon Collar EZ2 with Carbide Teeth & Hardfacing	JT4020 / JT4020M1	\$252.63
953-0557	4.25" Octagon Collar EZ2 with Hardfacing	JT40	\$367.78
953-0541	2.5" Octagon Collars EZ2 with Carbide Teeth & Hardfacing	JT1720 / JT2020M1 / JT2720 / JT2720M1 / JT24	\$161.25



953-0073

Starter rods give you a non-torqued connection for safe, easy attachment of your drilling tools and reamers.

VERMEER® COMPATIBLE STARTER RODS

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0055	1.625" Low Profile Box x Firestick 200 (1.66) Box	D7x11 / D9x13 / D10x14 / D10x15	\$241.88
953-0051	2.125" Low Profile Box x Firestick 250 (1.90) Box	D16x20	\$323.77
953-0052	2.125" Low Profile Box x Firestick 400 (2.06) Box	D18x22 / D20x22 / D24x26	\$322.09
953-0191	2.125" Low Profile Box x Firestick 600 (2.375) Box	D24x40	\$311.28
953-0050	2.125" Low Profile Box x Firestick 602 (2.375) Box	D33x44 / D36x50	\$349.38
953-0053	2.125" Low Profile Box x Firestick 650 (2.375) Box	D33x44 / D36x50	\$320.51
953-0054	2.125" Low Profile Box x Firestick 700 (2.625) Box	D36x50	\$309.60
953-0215	2.125" Low Profile Box x 2.375" Firestick 600 Pin 22.5"	24x40 / JT25	\$322.50
953-0264	2.125" Low Profile Box x 2.375" Firestick 600 Pin 22.5"	JT20 / JT25	\$537.50
953-0278	1.66" Firestick 200 Box x Quickfire 300 Compatible Box	D7x11 / D10x14 / D10x15	\$279.50
953-0279	1.90" Firestick 250 Box x Quickfire 400 Compatible Box	D16x20	\$367.60
953-0280	2.06" Firestick 400 Box x Quickfire 400 Compatible Box	D18x22 / D20x22 / D24x26	\$379.42
953-0281	2.375" Firestick 600 Box x Quickfire 400 Compatible Box	D24x40	\$306.38
953-0282	2.375" Firestick 600 Box x Quickfire 460 Compatible Box	D24x40	\$548.25
953-0283	2.375" Firestick 650 Box x Quickfire 460 Compatible Box	D36x50	\$548.25
953-0284	2.625" Firestick 700 Box x Quickfire 460 Compatible Box	D36x50	\$548.25
953-0285	2.625" Firestick 750 Box x Quickfire 700 Compatible Box	D36x50DR Outer Rod LR	\$1,612.50
953-0438	2.625" Low Profile Box x Firestick 400 (2.06) Pin	JT1220/20x22	\$295.63

COMPATIBLE QUICK CONNECT

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0221	2.125" Low Profile Box x 1.94" - 4 Ditch Witch Pin	JT2020	\$322.50
953-0253	2.125" Low Profile Box x 2.11" - 4 Ditch Witch Pin	JT2720M1 / JT3020M1	\$338.63
953-0401	2.75" E22 Pin x 2.375" Firestick 600 Pin	JT25 / JT2720M1	\$666.50
953-0406	1.31-6 E22 Pin, 1.1-5 DW Pipe Pin	JT5	\$308.53
953-0553	2.375" Firestick 600 / 2.25 MEZ3 Pin	JT25	\$984.70
953-0565	2.00-6 E22 Pin x 2-3/8" FS1 Pin	JT20 / JT20/20	

DITCH WITCH® COMPATIBLE QUICK CONNECTS

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0059	1.21 M / 1.31 M E22	JT5 / JT520	\$330.62
953-0060	1.41 M / 1.63 M E22	JT920 / JT920L / JT922 / JT921	\$360.13
953-0061	1.3 M / 1.63 M E22	JT922 Coarse	\$360.13
953-0062	1.47 M / 1.88 M E23	JT1220	\$473.00
953-0063	1.69 M / 2.0 M E22	JT1720	\$716.70
953-0064	1.94 M / 2.0 M E22	JT2020	\$483.75
953-0065	1.94 M / 2.0 M E22	JT2720	\$594.96
953-0066	2.11 M / 2.25 M E22	JT2720 Mach 1	\$591.25
953-0067	2.11 M / 2.0 M E22	JT2720 Mach 1	\$591.25
953-0068	2.11 M / 2.25 M E23	JT3020 Mach 1	\$688.00
953-0069	2.59 M / 2.63 M E22	JT4020 Mach 1	\$975.98
953-0241	2.77 M / 2.25 M E23	JT2720AT / JT3020AT	\$698.75
953-0242	2.77 M / 2.59 M	AT2720AT / AT3020	\$628.88
953-0286	3.44 M / 3.5 M EZ	AT100 Lead Rod	\$892.63
953-0234	2.40 M / 2.63 M E22	JT4020	\$631.03
953-0287	3.27 M / 3.5 M EZ	JT7020 / JT8020 / JT100M1	\$1,131.24
953-0406	1.10 M / 1.31 M E22	JT5	\$308.53
953-0401	2.375" FS1 (600) / 2.25 M E22	JT25	\$666.50
953-0552	1.76 M / 2.0 M E22	JT24	\$483.75
953-0554	2.10 M / 2.63 M E22 Pin	JT40	\$823.53
953-0556	2.46-4 M / 2.85 M E22 Pin	JT60	\$780.00

TRANSITION SUBS

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0589	2-3/8" Reg Pin x VM Firestick 600 Pin	JT20 - 20/20	\$664.35
953-0588	2-7/8" Reg Pin x 2.10 DW Pin	JT40	\$1,166.38
953-0587	2-3/8" Reg Pin x 2.10 DW Pin	JT40	\$1,054.00
953-0586	2-3/8" Reg Pin x 2.11 DW Pin	JT27/20 - JT30/20	\$1,030.57
953-0585	2" IF Pin x 1.30 DW Pin	JT922	\$544.64
953-0582	600 Firestick PxP x 24" S to S	JT20 - JT20/20	\$428.93
953-0564	2-3/8" Reg Pin x DW JT30 2.11 x Pin	JT27/20 - JT30	



IF YOU NEED A SUB, CALL RADIUS. WE HAVE HUNDREDS OF SUBS IN STOCK, READY TO GO. NEED A CUSTOM SUB? WE'LL CUT IT AND GET IT TO YOU QUICK WITH OUR

WE OFFER MORE ADAPTERS AND CROSSOVER SUBS THAN ANYONE.

DITCH WITCH® COMPATIBLE ADAPTERS TO CONNECT YOUR DIRT HOUSINGS & REAMERS

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0302	1.66" Firestick Pin x 1.31"-6 EZ2 Box	JT520 / JT5	\$166.63
953-0303	1.66" Firestick Pin x 1.21"-6 Pipe Pin	JT520 / JT5	\$177.38
953-0301	1.66" Firestick Pin x 1.30"-5 DW Pipe Pin	JT922	\$209.63
953-0353	1.94-4 DW Pin x 2.0-6 EZ2 Box	JT1720 / JT1720M1 / JT2020M1 / JT2720	\$241.88
953-0259	1.94-4 DW Pin x 2.25-6 EZ3 Box	JT3020M1	\$313.36
953-0437	1.94-4 DW Pin x 1.69-6 Dw Pipe Pin	JT1720 / 1720M1	\$252.63
953-0570	2" IF Pin x Hawkeye 275 Pin	DW	\$271.71
953-0562	2" IF Pin x 1.10" - 5 Pipe Pin	JT5	\$188.13
953-0076	2" IF Pin x 1.21"-6 Pipe Pin	JT520 / JT5	\$220.38
953-0077	2" IF Pin x 1.41"-6 Pipe Pin	JT920 / JT920L / JT921 / JT922	\$188.13
953-0078	2" IF Pin x 1.47"-4 Pipe Pin	JT1220 Mach 1	\$189.20
953-0079	2" IF Pin x 1.69"-6 Pipe Pin	JT1720 / JT1720 Mach 1	\$188.13
953-0080	2" IF Pin x 1.94"-4 Pipe Pin	JT2020 Mach 1 / JT2720	\$188.13
953-0081	2" IF Pin x 2.11"-4 Pipe Pin	JT2720 Mach 1 / JT3020 Mach 1	\$188.13
953-0082	2" IF Pin x 1.31"-6 EZ2 Box	JT520 / JT5	\$209.63
953-0083	2" IF Pin x 1.63"-6 EZ2 Box	JT920 / JT920L / JT921 / JT922	\$252.63
953-0084	2" IF Pin x 1.88"-6 EZ3 Box	JT1220 Mach 1	\$209.63
953-0085	2" IF Pin x 2"-6 EZ2 Box	JT1720 / JT1720 Mach 1 / JT2020 Mach 1 / JT2720	\$241.88
953-0086	2" IF Pin x 2.25"-6 EZ2 Box	JT2720 Mach 1	\$241.88
953-0087	2" IF Pin x 2.25"-6 EZ3 Box	JT3020 Mach 1	\$241.88
953-0569	2.375" Reg Pin x 1.69"-6 Pipe Pin	DW	\$260.42
953-0568	2.375" Reg Pin x Hawkeye 350 Pin	DW	\$288.32
953-0088	2.375" Reg Pin x 1.69"-6 Pipe Pin	JT1720 / JT1720 Mach 1	\$252.63
953-0089	2.375" Reg Pin x 1.94"-4 Pipe Pin	JT2020 Mach 1 / JT2720	\$290.25
953-0090	2.375" Reg Pin x 2.11"-4 Pipe Pin	JT2720 Mach 1 / JT3020 Mach 1	\$252.63
953-0091	2.375" Reg Pin x 2.4"-4 Pipe Pin	JT4020	\$252.63
953-0092	2.375" Reg Pin x 2.59"-4 Pipe Pin	JT4020 Mach 1	\$252.63
953-0093	2.375" Reg Pin x 2"-6 EZ2 Box	JT1720 / JT1720 Mach 1 / JT2020 Mach 1 / JT2720	\$266.60
953-0094	2.375" Reg Pin x 2.25"-6 EZ2 Box	JT2720 Mach 1	\$266.60
953-0095	2.375" Reg Pin x 2.25"-6 EZ3 Box	JT3020 Mach 1	\$266.60
953-0096	2.375" Reg Pin x 2.63"-6 EZ2 Box	JT4020 / JT4020 Mach 1 / AT2720 / AT3020	\$266.60
953-0319	2.375" Reg Pin x 2.77"-4 AT Pin	2720AT / 3020AT	\$322.50
953-0229	2.375" Reg Pin x 1.47-4 Pin	JT1220	\$252.63
953-0216	SUB 2.375" Reg Pin x 1.88 EZ3 DW Box	JT1220	



953-0303



953-0088

Ditch Witch® Compatible Adapters To Connect Your Dirt Housings & Reamers continued on the next page

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0219	SUB 2.375" Reg Pin x 1.63 EZ2 DW Box	JT920 / JT920L / JT921 / JT922	\$266.60
953-0236	SUB 2.375" Reg Pin x 2.59-4 DW Box	JT4020 / 4020M1	\$266.60
953-0572	2.875" Reg Pin x Hawkeye 426 Pin	DW	\$352.33
953-0097	2.875" Reg Pin x 2.11"-4 Pipe Pin	JT2720 Mach 1 / JT3020 Mach 1	\$349.38
953-0098	2.875" Reg Pin x 2.4"-4 Pipe Pin	JT4020	\$349.38
953-0099	2.875" Reg Pin x 2.59"-4 Pipe Pin	JT4020 Mach 1	\$349.38
953-0100	2.875" Reg Pin x 3.27"-4 Pipe Pin	JT7020 / JT8020 / JT100	\$349.38
953-0101	2.875" Reg Pin x 2.25"-6 EZ2 Box	JT2720 Mach 1	\$377.33
953-0102	2.875" Reg Pin x 2.25"-6 EZ3 Box	JT3020 Mach 1	\$371.95
953-0103	2.875" Reg Pin x 2.63"-6 EZ2 Box	JT4020 / JT4020 Mach 1	\$371.95
953-0255	2.875" Reg Pin x 3.5" Firestick 802 Pin	JT7020 / JT8020 / JT100M1	\$671.34
953-0316	2.875" Reg Pin x 3.25"-4 AT Pin	JT4020AT	\$360.13
953-0317	2.875" Reg Pin x 3.44"-4 AT Pin	AT100	\$360.13
953-0318	2.875" Reg Pin x 2.77"-4 AT Pin	2720AT / 3020AT	\$360.13
953-0238	SUB - 2.875" Reg Pin	2.875" IF Box	\$349.38
953-0571	3.5" IF Pin x Hawkeye 426 Pin	DW	\$368.81
953-0104	3.5" IF Pin x 3.27"-4 Pipe Pin	JT7020 / JT8020 / JT100	\$365.50
953-0295	3.5" Reg Pin x 2.59"-4 DW Pin	JT4020 / JT4020M1	\$360.13
953-0296	3.5" Reg Pin x 3.27"-4 DW Pin	JT7020 / JT8020 / JT100M1	\$363.89
953-0297	3.5" Reg Pin x 2.63"-6 EZ2 Box	JT4020 / JT4020M1	\$381.63
953-0309	3.5" Reg Pin x 2.25"-6 EZ2 Box	JT2720M1	\$355.00
953-0310	3.5" Reg Pin x 2.11"-4 DW Pin	JT2720M1 / JT3020M1	\$335.00
953-0311	3.5" Reg Pin x 2.11"-4 DW Pin	JT3020M1	\$381.63
953-0312	3.5" Reg Pin x 3.5"-6 EZ2 Box	JT7020 / JT8020 / JT100M1	\$381.63
953-0313	3.5" Reg Pin x 3.25"-4 AT Pin	JT4020AT	\$381.63
953-0314	3.5" Reg Pin x 3.44"-4 AT Pin	AT100	\$387.00
953-0315	3.5" Reg Pin x 2.77"-4 AT Pin	2720AT / 3020AT	\$381.63
953-0228	2" IF Pin	20K Pulling Eye	\$209.63
953-0223	2.375" Reg Pin	30K Pulling Eye	\$215.00
953-0459	2.375" Reg Pin	30K Pulling Eye, 1.25" Wide Tab	\$215.00
953-0555	2.875" Reg Pin x 2.85" EZ2 Box	JT60	\$371.95
953-0405	2.375" Reg Pin x 2.375" Firestick 900 Pin	JT24 / JT25	\$295.63
953-0262	2.375" Reg Pin x Quickfire 400 Compatible Pin	D16x20, D18x22, D20x22, D23x30, D24x26, D24x40	\$295.63
953-0288	2.375" Reg Pin x Quickfire 460 Compatible Pin	D24x40, D36x50, 40x55	\$295.63
953-0354	2.375" Firestick 600 Pin x Quickfire 400 Compatible Pin	D16x20, D18x22, D20x22, D23x30, D24x26, D24x40	\$306.38
953-0355	2.375" Firestick 600 Pin x Quickfire 460 Compatible Pin	D24x40, D36x50, 40x55	\$306.38
953-0248	2.875" Reg Pin	50K Pulling Eye	\$322.50
953-0460	2.875" Reg Pin	50K Pulling Eye, 1.25" Wide Tab	\$322.50
953-0358	3.5" Firestick (800) Box	50K Pulling Eye	\$396.68
953-0356	3.5" Reg Pin	100K Pull Tab	\$456.88
953-0357	3.5" IF Pin	100K Pull Tab	\$483.75
953-0368	3.27-4 DW Pin	2.125" Low Profile Pin	\$456.88
953-0369	2.59-4 DW Pin	2.125" Low Profile Pin	\$349.38
953-0342	6.625" Reg Box	4.5" Reg Pin	\$886.88
953-0359	2.875" IF Box x 2.375" Firestick 600 Pin	(600) 4.25" OD, 6.5" S to S	\$388.08
953-0360	2.875" IF Box x 2.625" Firestick 700 Pin	(700) 4.25" OD, 6.5" S to S	\$403.13
953-0361	2.875" IF Box x 3.5" Firestick 800 Pin	(800) 4.25" OD, 6.5" S to S	\$403.13
953-0362	2.875" IF Box x 2.875" Firestick 900 Pin	(900) 4.25" OD, 6.5" S to S	\$473.00
953-0363	2.875" IF Box x 3.5" Firestick 1000 Pin	(1000) 4.25" OD, 6.5" S to S	\$442.90
953-0374	6.625" Full Hole Box x 5.5" Full Hole Pin	5.5" Full Hole Pin, 16" S to S	\$1,403.95
953-0375	5.5" Full Hole Box x 5.5" Full Hole Pin	14" S to S, 7.5" OD	\$1,252.38
953-0263	DS40 Pin x Box	13" S to S	\$446.13



9530236



953-0248



VERMEER® COMPATIBLE ADAPTERS TO CONNECT YOUR DIRT HOUSINGS & REAMERS

POPULAR CONNECTIONS FOR YOUR DIRT HOUSINGS & BOX X BOX HOUSINGS

PART #	DESCRIPTION	FITS MODEL	PRICE
953-0222	1.94" Ditch Witch Pin x 2.125" Low Profile Pin 14" OAL	D16x20 thru D36x50	\$295.63
953-0105	2" IF Pin x 1.66" Firestick® 200 Box	D6x6 / D7x11 / D9x13 / D10x15	\$188.13
953-0106	2" IF Pin x 1.90" Firestick 250 Box	D16x20 / D18x22	\$188.13
953-0107	2" IF Pin x 2.06" Firestick 400 Box	D20x22 / D24x26	\$188.13
953-0108	2" IF Pin x 2.375" Firestick 600 Box	D24x40 / D24x40 II / D40x40	\$188.13
953-0109	2" IF Pin x 1.625" Low Profile Pin	D6x6 / D9x13 / D10x15	\$209.63
953-0110	2" IF Pin x 2.125" Low Profile Pin	D16x20 Thru D36x50	\$241.88
953-0210	2" IF Pin x 2.375" Firestick 650 Box	DD33x44 / DD36x50	\$188.13
953-0166	2" IF Pin x 1.90" Firestick 650 Pin	D16x20 / D80x120	\$239.73
953-0343	Sub 2" IF Pin	RM16 Pin (QF 460 Compatible)	\$295.63
953-0289	Sub 2" IF Pin	RM13 PIN (QF 300 Compatible)	\$241.88
953-0290	Sub 2" IF Pin	RM14 Pin (QF 400 Compatible)	\$252.63
953-0111	2.375" Reg Pin x 1.66" Firestick 200 Box	D6x6 / D9x13 / D10x15	\$241.88
953-0112	2.375" Reg Pin x 1.90" Firestick 250 Box	D16x20 / D18x22	\$241.88
953-0113	2.375" Reg Pin x 2.06" Firestick 400 Box	D20x22 / 24x26	\$241.88
953-0114	2.375" Reg Pin x 2.375" Firestick 600 Box	D24x40 / D24x40 II / D40x40	\$241.88
953-0405	2.375" Reg Pin x 2.375" Firestick 600 Box	D24x40 / D24x40 II / D40x40	\$295.63
953-0115	2.375" Reg Pin x 2.375" Firestick 650 Box	D36x50	\$241.88
953-0116	2.375" Reg Pin x 2.625" Firestick 700 Box	D36x50	\$241.88
953-0117	2.375" Reg Pin x 1.625" Low Profile Pin	D6x6 / D9x13 / D10x15	\$253.16
953-0118	2.375" Reg Pin x 2.125" Low Profile Pin	D16x20 Thru D36x50	\$252.63
953-0231	2.375" Reg Pin x 3.5" Firestick 800 Box	D50x100 / D80x100 / D80x120 / D100x120	\$322.50
953-0254	2.375" Reg Pin x 2.875" Firestick 900 Box	D50x100	\$268.75
953-0344	2.375" Firestick 600 Pin x 2.125" Low Profile Pin	D16x20 thru D36x50	\$231.13
953-0435	2.375" Firestick 600 Pin x 1.90" Firestick 250	D16x20 / D18x22	\$225.75
953-0436	2.375" Firestick 600 Pin x 2.06" Firestick 400	D20x22 / D24x26	\$225.75
953-0262	Sub 2.375" Reg Pin	RM14 Pin (QF 400 Compatible)	\$295.63
953-0288	Sub 2.375" Reg Pin	RM16 PIN (QF 460 Compatible)	\$295.63
953-0354	Sub 2.375" Firestick 600 x RM13	RM14 Pin (QF 400 Compatible)	\$306.38
953-0355	Sub 2.375" Firestick 600 x RM16	RM16 Pin (QF 460 Compatible)	\$306.38
953-0119	2.875" Reg Pin x 2.375" Firestick 600 Box	D24x40 / D24x40 Series II / D40x40	\$349.38
953-0120	2.875" Reg Pin x 2.875" Firestick 900 Box	D50x100	\$349.38
953-0121	2.875" Reg Pin x 3.5" Firestick 800 Box	D50x100 / D80x100 / D80x120 / D100x120	\$349.38
953-0122	2.875" Reg Pin x 2.375" Firestick 650 Box	D36x50	\$349.38
953-0123	2.875" Reg Pin x 2.625" Firestick 700 Box	D36x50	\$349.38
953-0124	2.375" Firestick 1000 Box	D100x120	\$349.38
953-0125	2.125" Low Profile Pin	D16x20 Thru D36x50	\$349.38
953-0250	2.875" Reg Pin x 3.5" Firestick 802 Box	D80x100 / D100x120 / D50x100 / D80x120	\$564.38
953-0291	Sub 2.875" Reg Pin	RM14 Pin (QF 400 Compatible)	\$306.38
953-0292	Sub 2.875" Reg Pin	RM16 Pin (QF 460 Compatible)	\$357.44
953-0126	3.5" IF Pin x 3.5" Firestick 800 Box	D50x100 / D80x100 / D100x120	\$365.50
953-0127	3.5" IF Pin x 3.5" Firestick 1000 Box	D100x120	\$365.50
953-0298	3.5" Reg Pin x 2.875" Firestick 900 Box	D50x100 / D60x90	\$349.38
953-0299	3.5" Reg Pin x 3.5" Firestick 800 Box	D50x100 / D80x100 / D100x120	\$376.25
953-0300	3.5" Reg Pin x 3.5" Firestick 1000 Box	D100x120	\$376.25
953-0293	3.5" Reg Pin x Quickfire 400 Compatible Pin	RM14 Pin (QF 400 Compatible)	\$528.36
953-0294	3.5" Reg Pin x Quickfire 460 Compatible Pin	RM16 Pin (QF 460 Compatible)	



953-0106



953-0405



953-0120



953-0126

THE TOUGHEST, MOST VERSATILE

OUR HOUSINGS ARE BUILT TO A **HIGHER STANDARD** THAN ANYTHING ELSE ON THE MARKET. ONLY RADIUS PROTECTS THE BEACON WITH A UNIQUE LID-LOCKING

NO OTHER HOUSING CAN COME CLOSE TO A RADIUS HOUSING.

UNDERGROUND MAGNETIC HOUSINGS

PART #	DESCRIPTION	DIAMETER	CONNECTION	ELECTRONICS	RIG CLASS	PRICE
951-3502	3500 Series Underground Magnetic Rock Housing	3.5"	2.375" Reg Box x 3500 R-Pin	15" & 19" Digitrak®, Subsite® 86 Series, 15" & 18" Underground Magnetics	24-44K	\$2,850.00
951-4502	4500 Series Underground Magnetic End Load, Hi-Flo Rock Housing	4.5"	2.875" Reg Box x 2.875" IF Box	15" & 19" Digitrak®, Subsite® 86 Series, 15" & 18" Underground Magnetics	40-100K	\$4,730.00
951-5002	5000 Series Underground Magnetic End Load, Hi-Flo Rock Housing	5"	3.5" IF Box x 3.5" Reg Box	15" & 19" Digitrak® & 15",18",19" & 24" Underground Magnetics	100-250K	\$6,342.50
						\$6,987.50

ROCK HOUSINGS

PART #	DESCRIPTION	DIAMETER	CONNECTION	ELECTRONICS	RIG CLASS	PRICE
951-2750	2700 Series Rock Housing	2.75"	2" IF Box x Box	15" Digitrak	6-14K	\$1,700.00
951-2751	2700 Series Rock Housing	2.75"	2" IF Box x Box	Subsite 86 Series	6-14K	\$1,700.00
951-3000	3000 Series Rock Housing	3.25"	2" IF Box x 3000 Radius Pin	15" Digitrak & Subsite 86 Series	15-22K	\$2,300.00
951-3500	3500 Series Rock Housing	3.5"	2.375" Reg Box x 3500 Radius Pin	15" & 19" Digitrak & Subsite 86 Series	24-44K	\$2,500.00
951-3510	3500 Series-High Flow Rock Housing	3.5"	2.375" Reg Box x 3500 Radius Pin	15" & 19" Digitrak & Subsite 86 Series	24-44K	\$2,850.00
951-4500	4500 Series-High Flow Rock Housing	4.5"	2.875" Reg Box x 4500 Radius Pin	15" & 19" Digitrak & Subsite 86 Series	40-100K	\$3,100.00
951-5000	5000 Series-High Flow Rock Housing	5"	3.5" Reg Box x 5000 Radius Pin	15" & 19" Digitrak & Subsite 86 Series	100-250K	\$4,300.00
951-6500	6500 Series-High Flow Rock Housing	6.5"	4.5" Reg Box x 6500 Radius Pin	15" & 19" Digitrak & Subsite 86 Series	250-600K	\$4,950.00



BOX X BOX SONDE HOUSINGS

The Radius Box x Box Sonde Housing offers unmatched flexibility in connections and tooling, perfect for medium to hard ground conditions and built with the same Radius durability in mind.

PART #	DESCRIPTION	DIAMETER	CONNECTION	ELECTRONICS	RIG CLASS	PRICE
951-2750	2700 Series Rock Housing	2.75"	2" IF Box x Box	15" Digitrak	6-14K	\$1,700.00
951-2751	2700 Series Rock Housing	2.75"	2" IF Box x Box	Subsite 86 Series	6-14K	\$1,700.00
951-3020	3000 Series Rock Housing	3"	2" IF Box x Box	Subsite 86 Series	15-22K	\$1,200.00
951-3030	3000 Series Rock Housing	3.25"	2" IF Box to Box (DCI)	Digitrak 15"	15-22K	\$1,200.00
951-3040	3000 Series Rock Housing	3"	2" IF Box x Box	Universal	15-22K	\$1,440.00
951-3520	3500 Series Rock Housing	3.5"	2.375" API Reg Box to Box (Subsite)	Subsite 86 Series	24-44K	\$1,300.00
951-3530	3500 Series Rock Housing	3.5"	2.375" API Reg Box to Box (DCI)	Digitrak 15"	24-44K	\$1,300.00
951-3540	3500 Series Rock Housing	3.5"	2.375" Reg Box x 2.375" Reg Box	Universal	24-44K	\$1,682.50
951-4520	4500 Series Rock Housing	4.25"	2.875" API Reg Box to Box (Subsite)	Subsite 86 Series	50-100K	\$2,000.00
951-4530	4500 Series Rock Housing	4.25"	2.875" API Reg Box to Box (DCI)	Digitrak 15"	50-100K	\$2,000.00
951-4540	4500 Series Rock Housing	4.25"	2.875" Reg Box x 2.875" Reg Box	Universal	40-100K	\$2,187.00



END LOAD SONDE HOUSINGS

Only Radius offers side load housings with a patented small access window. Only drillers who have wasted hours digging their sonde out of a typical end load housing know why we do.



PART #	DESCRIPTION	DIAMETER	CONNECTION	ELECTRONICS	RIG CLASS	PRICE
951-4501	End Load Housing(DCI)	4.5"	2.875" IF Box x 2.875" Reg Box	DCI 15 & 19"	50-100K	\$4,192.50
951-5001	End Load Housing(DCI)	5"	3.5" IF Box x 3.5" Reg Box	DCI 15 & 19"	100-250K	\$4,837.50
951-6501	End Load Housing(DCI)	6.5"	4.5" IF Box x 4.5" Reg Box	DCI 15 & 19"	250K-600K	\$5,590.00
951-7001	End Load Housing(DCI)	7.25"	DS55 Box x 4.5" Reg Box	DCI 15 & 19"	350K-600K	\$6,125.00
951-8001	End Load Housing(DCI)	9"	DS55 Box x 4.5" Reg Box	DCI 15 & 19"	440K-1M	\$8,990.90

RIG COMPATIBILITY

VERMEER® COMPATIBLE

SERIES	FITS MODEL
2700	D7x11 / D7x11 Series II / D9x13 Series II / D10x14 / D10x15
3000	D16x20 / D16x20 Series II / D18x22 / D20x22 / D20x22 Series II / D20x22 FX
3500	D24x40A / D24x40 Series II / D33x44 / D36x50 / D36x50 Series II
4500	D50x100A / D60x90 / D80x100 Series II / D100x120 / D100x120 Series II / D100x140
5000	D100x120 / D100x120 Series II / D100x140
6500	D330x500 / D500x500

DITCH WITCH® COMPATIBLE

SERIES	FITS MODEL
2700	JT920 / JT920L / JT921 / JT922 / JT1220
3000	JT1220 Mach1 / JT1720 / JT1720 Mach1 / JT2020 Mach1
3500	JT25 / JT2720 / 2720M1 / AT2720 / JT3020M1 / AT3020 / JT4020 / JT4020M1 / JT4020M1
4500	JT7020 Mach1 / JT8020 Mach1 / JT100 / AT100
5000	JT100 / AT100



FIND ENDLOAD HOUSING SUBS

You can call, you can click, you can even text us. We are here for you

855.471.2771
RADIUSHDD.COM

2700 SERIES CONNECTIONS

DITCH WITCH® COMPATIBLE 2700 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0076	2" IF Pin x 1.21"-6 Pipe Pin	Ditch Witch	JT5 / JT 520	\$220.38
953-0077	2" IF Pin x 1.41"-6 Pipe Pin	Ditch Witch	JT 920 / JT 920L / JT 921 / JT 922	\$188.13
953-0078	2" IF Pin x 1.47"-4 Pipe Pin	Ditch Witch	JT1220 Mach 1	\$189.20
953-0079	2" IF Pin x 1.69"-6 Pipe Pin	Ditch Witch	JT 1720 / JT 1720 Mach 1	\$188.13
953-0080	2" IF Pin x 1.94"-4 Pipe Pin	Ditch Witch	JT 2020 Mach 1 / JT 2720	\$188.13
953-0081	2" IF Pin x 2.11"-4 DW Pin	Ditch Witch	JT2720M1 / JT3020M1	\$188.13



953-0079

DITCH WITCH® COMPATIBLE 2700 SERIES EZ CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0082	2" IF Pin x 1.31"-6 EZ2 Box	Ditch Witch	JT5 / JT520	\$209.63
953-0083	2" IF Pin x 1.63"-6 EZ2 Box	Ditch Witch	JT920 / JT920L / JT921 / JT922	\$252.63
953-0084	2" IF Pin x 1.88"-6 EZ3 Box	Ditch Witch	JT1220 Mach 1	\$209.63
953-0085	2" IF Pin x 2"-6 EZ2 Box	Ditch Witch	JT1720 / JT1720 Mach 1 / JT2020 Mach 1 / JT2720	\$241.88
953-0086	2" IF Pin x 2.25"-6 EZ2 Box	Ditch Witch	JT2720 Mach 1	\$241.88
953-0087	2" IF Pin x 2.25"-6 EZ3 Box	Ditch Witch	JT3020 Mach 1	\$241.88



953-0084

VERMEER® COMPATIBLE 2700 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0105	2" IF Pin x 1.66" Firestick 200 Box	Vermeer	D6x6 / D9x13 / D10x15 / D7x11	\$188.13
953-0106	2" IF Pin x 1.90" Firestick 250 Box	Vermeer	D16x20 / D18x22	\$188.13
953-0107	2" IF Pin x 2.06" Firestick 400 Box	Vermeer	D20x22 / D24x26	\$188.13
953-0108	2" IF Pin x 2.375" Firestick 600 Box	Vermeer	D24x40 / D24X40 II / D40x40	\$188.13
953-0166	2" IF Pin x VM 1.90" PIN (16x20)	Vermeer	D16x20 / D18x22	\$239.73
953-0210	2" IF Pin x 2.375" Firestick 650 Box	Vermeer	D33x44 / D36x50	\$188.13



953-0105

VERMEER® COMPATIBLE 2700 SERIES QUICK CONNECTS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0109	2" IF Pin x 1.625" Low Profile Pin	Vermeer	D6x6 / D7x11 / D9x13 / D10x15	\$209.63
953-0110	2" IF Pin x 2.125" Low Profile Pin	Vermeer	D16x20 thru D36x50	\$241.88

3000 SERIES CONNECTIONS**3000 SERIES PIPE CONNECTIONS**

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0131	3" R-Box x 2.375" API REG Box	API		\$284.88
953-0130	3" R-Box x DD2024 Pipe Box	Astec / Case	DD2024	\$284.88
953-0129	3" R-Box x 2" UNJ with Hex	Astec / Case	DD2024	\$284.88
953-0145	3" R-Box x Drillto 60 mm Box	Drillto	ZT-18	\$265.00



953-0109

DITCH WITCH® COMPATIBLE 3000 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0185	3" R-Box x 1.69"-6 Pipe Pin	Ditch Witch	JT1720 / JT1720M1	\$428.01
953-0149	3" R-Box x 1.47"-4 Pipe Pin	Ditch Witch	JT1220 Mach 1	\$284.88
953-0153	3" R-Box x 1.94"-4 Pipe Pin	Ditch Witch	JT2020M1 / JT27420	\$284.88



953-0129

DITCH WITCH® COMPATIBLE 3000 SERIES EZ CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0150	3" R-Box x 1.88"-6 EZ3 Box	Ditch Witch	JT1220 Mach 1	\$284.88
953-0151	3" R-Box x 2"-6 EZ2 Box	Ditch Witch	JT1720 / JT2020M1 / JT2720	\$284.88
953-0152	3" R-Box x 2.25"-6 EZ2 Box	Ditch Witch	JT2720M1	\$284.88

VERMEER® COMPATIBLE 3000 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0169	3" R-Box x 1.90" Firestick 250 Box	Vermeer	D16x20 / D18x22	\$284.88
953-0170	3" R-Box x 2.06" Firestick 400 Box	Vermeer	D20x22 / D24x26	\$284.88
953-0167	3" R-Box x 2.375" Firestick 600 Box	Vermeer	D24x40 / D24X40 II / D40x40	\$284.88



953-0168

VERMEER® COMPATIBLE 3000 SERIES QUICK CONNECTS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0168	3" R-Box x 2.125" Low Profile Pin	Vermeer	D16x20 Thru D36x50	\$284.88
953-0193	Radius Sub - 3.0" R-BOX	Vermeer	RM14 Pin (QF 400 Compatible)	\$284.88
953-0304	Radius Sub - 3.0" R-BOX	Vermeer	RM13 PIN (QF 300 Compatible)	\$284.88

3500 SERIES CONNECTIONS

3500 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0133	3.5" R-Box x 2.375" API Reg Box	API		\$317.13
953-0132	3.5" R-Box x Astec Quick Connect	Astec		\$317.13
953-0134	3.5" R-Box x DD3238 Astec Pipe Pin	Astec	D3238	\$317.13
953-0146	3.5" R-Box x Drillto 73 mm Box	Drillto	ZT-25 / ZT-35	\$295.00
953-0135	3.5" R-Box x 2.875" IF Box	IF	DD6 / DD10	\$352.87
953-0235	Radius Sub - 3.5" R-Box - 2.375" IF Box	IF		\$317.13
953-0328	Radius Sub - 3.5" R-Box	DWTXS 300 Box	DWTXS 300	\$295.00



953-0133

3500 SERIES QUICK CONNECTS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0209	3.5" R-Box x 2.5" Railhead Ramon® Pin	Railhead	Railhead Quick Connect Lead Rod	\$317.13
				\$295.00



953-0156

DITCH WITCH® COMPATIBLE 3500 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0156	3.5" R-Box x 1.94"-4 Pipe Pin	Ditch Witch	JT2020M1 / JT2720	\$317.13
953-0157	3.5" R-Box x 2.11"-4 Pipe Pin	Ditch Witch	JT2720M1 / JT3020M1	\$317.13
953-0159	3.5" R-Box x 2.40"-4 Pipe Pin	Ditch Witch	JT4020	\$317.13
953-0161	3.5" R-Box x 2.59"-4 Pipe Pin	Ditch Witch	JT4020M1	\$317.13
953-0194	3.5" R-Box x 2.59"-4 Pipe Box	Ditch Witch	JT4020M1	\$317.13
953-0162	3.5" R-Box x 2.77"-4 Pipe Pin	Ditch Witch	JT2720AT / JT3020AT	\$317.13
953-0305	3.5" R-Box x 3.25"-4 Pin	Ditch Witch	AT4020	\$349.38
953-0551	3.5" R-Box x 1.76"-4 Pipe Pin	Ditch Witch	JT24	



953-0158

DITCH WITCH® COMPATIBLE 3500 SERIES EZ CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0158	3.5" R-Box x 2"-6 EZ2 Box	Ditch Witch	JT2720	\$317.13
953-0154	3.5" R-Box x 2.25"-6 EZ2 Box	Ditch Witch	JT2720M1	\$317.13
953-0160	3.5" R-Box x 2.25"-6 EZ3 Box	Ditch Witch	JT3020M1	\$317.13
953-0155	3.5" R-Box x 2.63"-6 EZ2 Box	Ditch Witch	JT4020 / JT4020M1	\$317.13



953-0158

VERMEER® COMPATIBLE 3500 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0171	3.5" R-Box x 2.375" Firestick 600 Box	Vermeer	D24x40 / D24X40 II / D40x40	\$317.13
953-0174	3.5" R-Box x 2.375" Firestick 650 Box	Vermeer	D36x50	\$317.13
953-0192	3.5" R-Box x 2.625" Firestick 700 Box	Vermeer	D36x50	\$317.13
953-0173	3.5" R-Box x 2.875" Firestick 900 Box	Vermeer	D50x100	\$222.47
953-0251	3.5" R-Box x 2.375" Firestick 600 (12" OAL)	Vermeer	D24x40 / D24x40 Series II / D40x40	\$327.88
				\$362.81



953-0172

VERMEER® COMPATIBLE 3500 SERIES QUICK CONNECTS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0172	3.5" R-Box x 2.125" Low Profile Pin	Vermeer	D16x20 thru D36x50	\$317.13
953-0249	3.5" R-Box x Quickfire 400 Compatible Pin	Vermeer	RM14 Pin (QF 400 Compatible)	\$317.13
953-0307	3.5" R-Box x Quickfire 460 Compatible Pin	Vermeer	RM16 Pin (QF 460 Compatible)	

953-0172

4500 SERIES CONNECTIONS

4500 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0139	4.5" R-Box x 2.875" API Reg Pipe Box	API		\$349.38
953-0140	4.5" R-Box x 3.5" API Reg Pipe Box	API		\$325.00
953-0147	4.5" R-Box x Drillto 73mm Box	Drillto	ZT-25 / ZT-35	\$325.00
953-0137	4.5" R-Box x 2.875" IF Pipe Box	IF	DD6 / DD10	\$375.23
953-0138	4.5" R-Box x 3.5" IF Pipe Box	IF		\$349.38
953-0327	Radius Sub - 4.5" R - Box	DWTXS 380 Box	DWTXS 380	\$325.00



953-0139

DITCH WITCH® COMPATIBLE 4500 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0164	4.5" R-Box x 3.27"-4 Pipe Pin	Ditch Witch	JT7020 / JT8020 / JT100	\$349.38
953-0165	4.5" R-Box x 2.40"-4 Pipe Pin	Ditch Witch	JT4020	\$349.38
953-0186	4.5" R-Box x 2.59"-4 Pipe Pin	Ditch Witch	JT4020M1	\$349.38
953-0187	4.5" R-Box x 3.25"-4 Pipe Pin	Ditch Witch	AT4020	\$349.38
953-0308	4.5" R-Box x 3.44"-4 Pipe Pin	Ditch Witch	AT100	\$376.25
953-0213	Radius Sub - 4.5" R-Box DW 3.27 Box	Ditch Witch	JT7020 / JT8020 / JT100	\$349.38
953-0558	4.5" R-Box x 2.46"-4 Pin	Ditch Witch	JT40	\$349.38
953-0560	4.5" R-Box x 2.95"-4 Pin	Ditch Witch	AT40	\$370.88
953-0559	4.5" R-Box x 2.85"-6 EZ2 Box	Ditch Witch	JT40	\$349.38



953-0308

DITCH WITCH® COMPATIBLE 4500 SERIES EZ CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0163	4.5" R-Box x 2.63"-6 EZ2 Box	Ditch Witch	JT4020 / JT4020 Mach 1 / AT2720 / AT3020	\$349.38
953-0332	4.5" R-Box x 3.5"-6 EZ Box	Ditch Witch	JT7020 / JT8020 / JT100M1	\$456.88



953-0177

VERMEER® COMPATIBLE 4500 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0177	4.5" R-Box x 2.875" Firestick 900 Box	Vermeer	D50x100	\$349.38
953-0175	4.5" R-Box x 3.5" Firestick 800 Box	Vermeer	D50x100	\$349.38
953-0176	4.5" R-Box x 3.5" Firestick 900 Box	Vermeer	D80x100 / 100x120	\$483.75
953-0239	4.5" R-Box x 3.5" Firestick 1000 Box	Vermeer	D100x120 / D100x140	\$376.25



953-0334

5000 SERIES CONNECTIONS

5000 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	FITS MODEL	PRICE
953-0148	5" R-Box x 2.875" API Reg Pipe Box	API		\$429.25
953-0141	5" R-Box x 3.5" API Reg Pipe Box	API		\$375.00
953-0142	5" R-Box x 3.5" IF Pipe Box	IF		\$403.13
953-0178	5" R-Box x 3.5" Firestick 800 Box	Vermeer	D80x100 / 100x120	\$472.03
953-0184	5" R-Box x 3.5" Firestick 900 Box	Vermeer	D80x100 / 100x120	\$719.18
953-0182	5" R-Box 3.5" Firestick 1000 Box	Vermeer	D100x120 / D100x140	\$403.13
953-0237	5" R-Box x 2.875" IF Box	IF		\$403.13
953-0333	5" R-Box x 3.5"-6 EZ Box	Ditch Witch	JT7020 / JT8020 / JT100M1	\$475.00
953-0334	5" R-Box x 3.44"-4 DW Pipe Pin	Ditch Witch	AT100	\$375.00
953-0561	5" R-Box x 3.27"-4 Pin	Ditch Witch	JT7020 / JT8020 / JT100	\$403.13

6500 SERIES CONNECTIONS

6500 SERIES PIPE CONNECTIONS

PART #	DESCRIPTION	CONNECTION TO	PRICE
953-0144	6" R-Box x 4.5" IF Pipe Box	IF	\$483.75
953-0143	6" R-Box x 4.5" API Reg Pipe Box	REG	\$450.00

RADIUS QUALITY ROCKS. EVEN IN THE DIRT.

Radius dirt housings are built to the same high standards as the rest of the Radius line. That means cheap doesn't cut it. Only radius protects the sonde with a unique lid-locking mechanism for complete and secure protection of your



VERMEER® COMPATIBLE DIRT HOUSINGS

(ALL VERMEER COMPATIBLE DIRT HOUSINGS RUN DCI DIGITRAK 15" SONDES)

PART #	DIAMETER	BOLT PATTERN	CONNECTION	FITS MODEL	PRICE
952-0002	2.5"	6 Bolt (.5"-13)	2" IF Box Thread	D7x11 / D7x11 Series II / D9x13 Series II /	\$892.25
952-0003	2.75"	6 Bolt (.5"-13)	2" IF Box Thread	D16x20 / D16x20 Series II / D18x22 / D20x22 /	\$757.88
952-0124	3"	6 Bolt (.5"-13)	2.375" Firestick I Box	D16x20 / D16x20 Series II / D18x22 D20x22 /	\$854.63
952-0005	3.25"	6 Bolt (.5"-13)	2.375" API Reg Box	D24x40A / D24x40 Series II / D33x44 / D36x50 /	\$1,069.63
952-0125	3.25"	6 Bolt (.5"-13)	2.375" Firestick I Box	D24x40 / D24x40 Series II / D33x44 / D36x50	\$1,128.75
952-0006	4.25"	6 Bolt (.625"-11)	2.875" API Reg Box	D50x100A / D60x90 / D80x100 Series II /	\$1,558.75
952-0135	4.5"	6 Bolt (.75" - 10)	3.5" Reg Box (DCI)	D100x120, D100x140	\$1,773.75
952-0198	2.25"	5 Bolt (.375"-11)	2" IF Box Thread	D6x6	\$838.50

* Runs DCI 1" x 8" mini sonde



DITCH WITCH® COMPATIBLE DIRT HOUSINGS

(ALL DITCH WITCH COMPATIBLE DIRT HOUSINGS RUN SUBSITE 86 SERIES BEACONS)

PART #	DIAMETER	BOLT PATTERN	CONNECTION	FITS MODEL	PRICE
952-0008	2.5"	5 Bolt (12mm)	2" IF Box Thread	JT920 / JT920L / JT921 / JT922	\$881.50
952-0009	2.75"	5 Bolt (12mm)	2" IF Box Thread	JT920 / JT920L / JT921 / JT922 / JT1220 Mach1	\$935.25
952-0010	3"	5 Bolt (12mm)	1.94-4 Ditch Witch Pipe	JT1220 Mach1 / JT1720 / JT1720 Mach1 /	\$1,053.50
952-0011	3.25"	6 Bolt (16mm)	2.375" API Reg Box	JT25 / JT2720 / JT2720 Mach1 / AT2720 Mach1 / JT3020 Mach1 / AT3020 Mach1 / JT4020 /	\$1,236.25
952-0012	4.25"	6 Bolt (20mm)	2.875" API Reg Box	JT7020 Mach1 / JT8020 Mach1 / JT100 / AT100	\$1,693.13
952-0199	2.25"	3 Bolt (12 mm)	2" IF Box Thread	JT520, JT5	\$838.50

*Runs DW 88B mini beacon

THE TOUGHEST, MORE DURABLE

RADIUS® IS YOUR GO-TO FOR ROCK TOOLS. WE OFFER A WIDER SELECTION THAN ANY AFTERMARKET SUPPLIER AND NO ONE BUILDS A BETTER BIT THAN A RADIUS BIT. RADIUS® TOOLS ARE YOUR BEST CHOICE FOR HDD PROFESSIONALS.

CONTROLLED CUTTING, UNSURPASSED DURABILITY.

CARBIDE BUTTONS

While competitive rock bits have pressed in buttons, Radius solders them in place. This allows us to use larger diameter carbides to grind cuttings more effectively so they flow more easily from the hole. It also provides better tool protection and delivers increased durability.

CENTER AXIS CUTTING DESIGN

Our thread-on bit design follows the centerline of the drill pipe and housing, minimizing vibration up the drill pipe and delivering greater control.

OVERSIZED TOOTH SHANKS

Broader at the base of the teeth, these provide added strength and durability in tough bores.

REINFORCED SECONDARY CROWN

Our secondary crown supports the cutting teeth in tough conditions, minimizing damage and wear to the tooth pocket.

MORE TUNGSTEN CARBIDE SURFACE

Experienced drillers know where the bit wears fastest. Radius builds-in added durability with precise carbide placement, extending the life of the tool and maintaining the level of control you need.

RECESSED WATER PORTS

While others put water ports on the cutting face where they can easily clog or wear, our recessed fluid ports are in the center of the bit to reduce the possibility of clogs and permanent bit damage.

REAR WEAR PAD

Radius' raised wear pad keeps the cutting teeth "in the cut" for greater control and steering. The carbide-studded pad further grinds cuttings to a more "floatable" size for easier spoil removal and a cleaner hole.

PULL-BACK ADAPTER HOT SHOT

With our patented Hot Shot Adapter, you don't have to waste time removing your bit to pull back. Just bolt on a Hot Shot and you're ready to go.

PART #: 3000 series: 954-0020 /
3500 Series: 954-0021 / 4500 Series: 954-0297



KNOCKOUT HOLES

No matter what size Radius bit, our knockout holes are all an inch long or less. This makes it easier for you to replace worn and broken teeth.

STANDARD API THREADS

Allow easy connections to both our patented rock housings and other existing sonde housings on the market.

"OFF THE SHELF" COMPATIBILITY

We designed Radius bits to work with "off-the-shelf" trencher teeth, making replacement more convenient and more affordable for you.



ROCK BITS

Our most versatile tool delivers greater steering and control in any type of soil conditions while letting you navigate loose rock and solid rock conditions, too. Combined with our patented Hot Shot pull-back adapter, it's one of the most popular bits on the market today.

PART #	DIAMETER	THREAD CONNECTION	CUT DIA	RIG CLASS	PRICE
950-2750	2750 Series Rock Bit	2" IF Pin	4"	7-12K	\$1,800.00
950-3000	3000 Series Rock Bit	2" IF Pin	5"	12-22K	\$1,900.00
950-3500	3500 Series Rock Bit	2.375" Reg Pin	6"	24-40K	\$2,400.00
950-4500	4500 Series Rock Bit	2.875" Reg Pin	7"	50-100K	\$3,000.00
950-5000	5000 Series Rock Bit	3.5" Reg Pin	8"	100-250K	\$3,995.00
950-5001	5000 Series Rock Bit	3.5" IF Pin	8"	100-250K	\$3,995.00
950-6500	6500 Series Rock Bit	4.5" Reg Pin	10"	250-600K	\$4,890.00
950-8000	8000 Series Rock Bit	6.625" Reg Pin	14"	Over 600K	\$7,999.00
950-8001	8000 Series Rock Bit	4.5" IF Pin	14"	Over 600K	\$7,999.00
950-8002	8000 Series Rock Bit	4.5" Reg Pin	14"	Over 600K	\$7,999.00

RIG COMPATIBILITY

VERMEER® COMPATIBLE

PART #	FITS MODEL
2750	D7x11 / D7x11 Series II / D9x13 Series II / D10x14 / D10x15
3000	D16x20 / D16x20 Series II / D18x22 / D20x22 / D20x22 Series II / D20x22 FX
3500	D24x40A / D24x40 Series II / D33x44 / D36x50 / D36x50 Series II
4500	D50x100A / D60x90 / D80x100 Series II / D100x120 / D100x120 Series II / D100x140
5000	D100x120 / D100x120 Series II / D100x140
6500	D330x500 / D500x500
8000	D750x900 / D1000x900 / D1320x900

DITCH WITCH® COMPATIBLE

PART #	FITS MODEL
2750	JT920 / JT920L / JT921 / JT922
3000	JT1220 Mach1 / JT1720 / JT1720 Mach1 / JT2020 Mach1
3500	JT25 / JT2720 / 2720M1 / AT2720 / JT3020M1 / AT3020 / JT4020 / JT4020M1 / AT4020
4500	JT7020 Mach1 / JT8020 Mach1 / JT100 / AT100

AMERICAN AUGER® COMPATIBLE

PART #	FITS MODEL
4500	DD-6
5000	DD-10 / DD-220 / DD-220T
6500	DD-440 / DD-440T
8000	DD-625 / DD-1100 / DD-1100RS

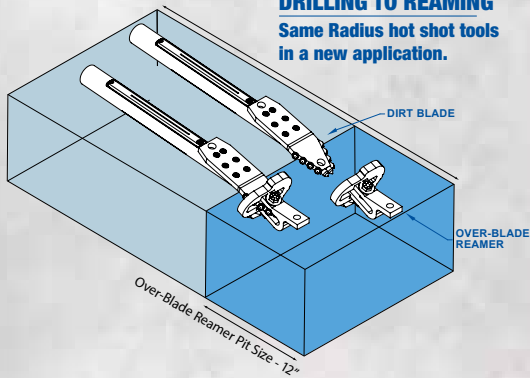




TAKING OUR GAME TO THE NEXT LEVEL



DRILLING TO REAMING
Same Radius hot shot tools
in a new application.



Quick Change, Over-Blade.

Just like the "Over-Bit Reamer" our Over-Blade Reamer reduces the time and space required to begin the reaming process. Place the Over-Blade over the blade and tighten the bolt reducing the need to remove the pilot tools.

NEW RADIUS® OVER-BLADE REAMER

The Over-Blade Reamer is your solution to get your product into small easements faster. Designed to attach directly on to your pilot blade and allow it back ream a hole of 6" or 8" without removing and reattaching different tools. Quick, easy solution to cut your time down, make money and keep your customers happy.

PART #	DESCRIPTION	PRICE
956-0657	6" Radius Over-Blade Reamer Fits Over Most 5" Blades	\$338.63
		\$516.54



OUR NEWEST GAME CHANGER WRAPPED AROUND OUR ORIGINAL GAME CHANGER.



Small exit pit, Over-Bit.

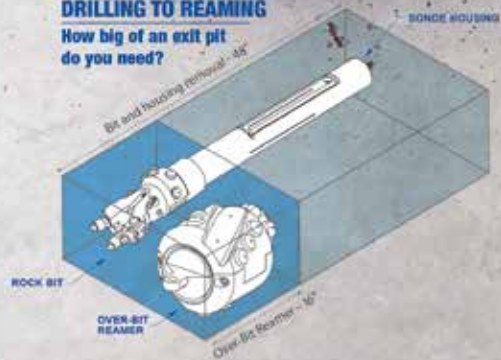
Just like the "pull back adapter" before it, the Radius team has worked with a number of small bore contractors to develop the **new patent-pending Over-Bit Reamer**. And it's a game changer.

Since the reamer simply installs **over your Radius Rock Bit**, the required **exit pit size is minimal with no need to disconnect or even expose the sonde housing and lead rod**, allowing you to monitor your pull back. The Over-Bit Reamer is perfect for fiber projects and crowded easements.

tools.radius HDD.com/over-bit

DRILLING TO REAMING

How big of an exit pit do you need?



NEW RADIUS® OVER-BIT REAMER

The new Radius Overbit Reamer eliminates completely the need to remove pilot tools to attach a reamer. Designed for fiber and small bore contractors, the Overbit Reamer simply attaches over the pilot bit and secures with one bolt. It offers the simplicity your crews have been looking for and perfect in small exit pits—no collars, no wrenches or tongs. With the pilot tool attached the sonde can be used to locate through tight easements or intersects. Designed exclusively for 2700 and 3500 series Radius rock bit.



PART #	DESCRIPTION	PRICE
956-0496	6" Radius Over-Bit Reamer Fits 2700 Series	\$2,404.24
956-0497	8" Radius Over-Bit Reamer Fits 3000 Series	\$2,154.89
SPL-0020	2750 Series Rock Bit & 6" Over-Bit Bundle	\$3,708.00
SPL-0021	3000 Series Rock Bit & 8" Over-Bit Bundle	

TRICONE BITS

Radius HDD offers the “Focus” tricone bit line in both Milltooth and TCI cutting structures, delivering quality to contractors at the right price. The Milltooth bit is designed for soft rock formation less than 10,000 psi such as sand, clay stone and soft shale. The TCI bit is designed for medium to medium hard rock formation 10,000 to 28,000 psi such as shale, limestone, granite. Bits feature sealed bearings, cone nose protection,

SEALED BEARING TRICONES

PART #	SIZE	STYLE	IADC	THREAD CONNECTION	PRICE
950-1023	5.5" Tricone	TCI	527 (8000-28000 PSI Rock)	2.875" Reg Pin	\$2,301.06
950-1009	5.5" Tricone	Mill Tooth	117 (0-5000 PSI Rock)	2.875" Reg Pin	\$1,610.00
950-1044	5.875" Tricone	TCI	527 (8000-28000 PSI Rock)	3.5" Reg Pin	\$2,235.00
950-1008	6" Tricone	TCI	527 (8000-28000 PSI Rock)	2.875" Reg Pin	\$2,235.00
950-1010	6" Tricone	Mill Tooth	117 (0-5000 PSI Rock)	3.5" Reg Pin	\$2,341.17
950-1011	6.5" Tricone	TCI	527 (8000-28000 PSI Rock)	3.5" Reg Pin	\$2,837.62
950-1018	6.75" Tricone	Mill Tooth	117 (0-5000 PSI Rock)	3.5" Reg Pin	\$2,866.60
950-1012	6.75" Tricone	TCI	527 (8000-28000 PSI Rock)	3.5" Reg Pin	\$2,865.65
950-1013	7.875" Tricone	TCI	527 (8000-28000 PSI Rock)	4.5" Reg Pin	\$5,466.00
950-1019	7.875" Tricone	Mill Tooth	117 (0-5000 PSI Rock)	4.5" Reg Pin	\$2,218.00
950-1074	5.5" Tricone	TCI	600	2.875" API	\$3,000.00
950-1080	5.5" Tricone	TCI	525	2.875" API	\$1,795.90



TCI Tricone Bits

OPEN BEARING TRICONES

PART #	SIZE	STYLE	IADC	THREAD CONNECTION	PRICE
950-1035	5.5" Tricone	Mill Tooth	322 (7500-14000 PSI Rock)	2.875" Reg Pin	\$761.25
950-1036	6" Tricone	Mill Tooth	321 (7500-14000 PSI Rock)	3.5" Reg Pin	\$1,095.42
950-1060	6.125" Tricone	Mill Tooth	321 (7500-14000 PSI Rock)	2.875" Reg Pin	\$1,197.26
950-1054	6.75" Tricone	TCI	522 (8000-28000 PSI Rock)	3.5" Reg Pin	\$1,250.00



Milltooth Tricone Bits

PDC BITS

The Radius PDC bits built with American steel and American made cutters for a peace of mind quality investment. We kept horizontal use in mind, providing balanced machining, elongated flutes, side gauge protection where it matters and cutter placement to accelerate drilling softer solid



**NEED YOUR PDC
BIT REPAIRED?
WE'VE GOT YOU**

**CALL OR TEXT
855.471.2771**

PDC BITS

PART #	SIZE	BLADE COUNT	THREAD CONNECTION	PRICE
950-1038	3.875" PDC	5-Blade	2.375" Reg Pin	\$2,175.00
950-1046	4" PDC	5-Blade	2.375" Reg Pin	\$2,590.75
950-1047	4.5" PDC	5-Blade	2.375" Reg Pin	\$3,036.88
950-1048	5" PDC	5-Blade	2.875" Reg Pin	\$3,493.75
950-1045	5.125" PDC	5-Blade	2.875" Reg Pin	\$3,493.75
950-1049	5.5" PDC	5-Blade	2.875" Reg Pin	\$3,493.75
950-1050	6" PDC	5-Blade	3.5" Reg Pin	\$3,961.38
950-1039	7.875" PDC	5-Blade	4.5" Reg Pin	\$6,235.00
950-1075	5.5" PDC	5-Blade	2.875" Reg Pin	\$2,714.38
950-1076	6.5" PDC	5-Blade	3.5" Reg Pin	\$3,870.00



PDC Bits

COBBLE BITS

The Radius cobble bit is designed to maximize productivity and durability in cobble and loose rock conditions. With its carbide face and scooped profile, this pilot offers stable cutting action, but also provides improved navigational characteristics. Cobble is never easy – this bit changes the game.

PART #	DESCRIPTION	THREAD CONNECTION	CUT	RIG CLASS	PRICE
950-1205	12" Cobble Bit	6-5/8" Full Hole Box	12	250K-U	\$10,599.00
950-3005	3" Cobble Bit	2" IF Pin	4	16-24K	\$995.00
950-3505	3500 Series Cobble Bit	2.375" Reg Pin	5	24-40K	\$1,295.00
950-4505	4500 Series Cobble Bit	2.875" Reg Pin	6	40-100K	\$1,995.00
950-5005	5000 Series Cobble Bit	3.5" Reg Pin	7	100-250K	\$2,995.00
950-6505	6500 Series Cobble Bit	4.5" Reg Pin	6	250-600K	\$3,995.00

RIG COMPATIBILITY

VERMEER® COMPATIBLE

PART #	FITS MODEL
3500	D2440A / D24x40 series II / D33x44 / D36x50 / D35x50 Series II
4500	D50x100 / D60x90 / D80x100 Series II / D100x120 / D100x120 Series II / D100x140
5000	D100x120 / D100x120 Series II / D100x140

DITCH WITCH® COMPATIBLE

PART #	FITS MODEL
3500	JT25 / JT2720 / JT2720 M1 / AT2720 / JT3020M1 AT3020 / JT4020 / JT4020M1 / AT4020
4500	JT7020M1 / JT8020M1 / JT100 / AT100
5000	JT100 / AT100

AMERICAN AUGER® COMPATIBLE

PART #	FITS MODEL
4500	DD-6
5000	DD-10/ DD-220 / DD-220T



THEY ARE THE BEST IN THE BUSINESS, THEY HAVE AWESOME CUSTOMER SUPPORT AND ARE FABRICATION MASTERS AND WILL DO WHAT IT TAKES TO GET YOUR JOB SITE MOVING.

SINGLE ROLLER CONE BITS

Our proprietary design delivers better steering than any competitive bit, while a carbide-covered steering plate and additional carbide on the face delivers better grinding capabilities for your solid rock jobs.

PART #	DESCRIPTION	THREAD CONNECTION	CUT	RIG CLASS	PRICE
950-3001	3000 Single Roller Cone Bit	2" IF Pin	5"	14-24K	\$1,400.00
950-3501	3500 Single Roller Cone Bit	2.375" Reg Pin	6"	24-40K	\$2,000.00
950-3503	3500 Series Single Roller Cone Bit	2.375" API Reg Pin with Rect Pad	6"	24-40k	\$2,000.00
950-4503	4500 Series Single Roller Cone Bit	2.875" API Reg Pin with Rect Pad	7"	40-100k	\$2,250.00
950-4501	4500 Single Roller Cone Bit	2.875" Reg Pin	7"	40-100K	\$2,250.00
950-5003	5000 Single Roller Cone Bit	3.5" Reg Pin	8"	100-250K	

RIG COMPATIBILITY

VERMEER® COMPATIBLE

PART #	FITS MODEL
3000	D16x20 / D16x20 Series II / D18x22 / D20x22 / D20x22 Series II / D20x22 FX / D24x26
3500	D24x40A / D24x40 Series II / D33x44 / D36x50 / D36x50 Series II
4500	D50x100A / D60x90 / D80x100 Series II / D100x120 / D100x120 Series II / D100x140
5000	D100x120 / D100x120 Series II / D100x140

DITCH WITCH® COMPATIBLE

PART #	FITS MODEL
3000	JT1220 Mach1 / JT1720 / JT1720 Mach1 / JT2020 Mach1
3500	JT25 / JT2720 / 2720M1 / AT2720 / JT3020M1 / AT3020 / JT4020 / JT4020M1
4500	JT7020 Mach1 / JT8020 Mach1 / JT100 / AT100

AMERICAN AUGER® COMPATIBLE

PART #	FITS MODEL
4500	DD-6 / DD-10 / DD-220 / DD-220T



THREAD-ON BLADE ADAPTERS

Make your rock housing even more versatile with our thread-on dirt blade adapter. The replaceable jetting nozzle minimizes clogging and maximizes jetting pressure.

PART #	DESCRIPTION	THREAD CONNECTION	PRICE
952-0092	Ditch Witch 5 Bolt (12 mm)	2" IF Pin - 2.75" dia	\$317.13
952-0085	Ditch Witch 5 Bolt (12 mm)	2" IF Pin - 3" dia	\$322.50
952-0086	Ditch Witch 5 Bolt (12 mm)	2.375" Reg Pin	\$376.25
952-0087	Ditch Witch 6 Bolt (16 mm)	2.375" Reg Pin	\$403.13
952-0088	Ditch Witch 6 Bolt (20 mm)	2.875" Reg Pin	\$752.50
952-0096	Ditch Witch 6 Bolt (20 mm)	3.5" Reg Pin	\$779.38
952-0126	Ditch Witch 6 Bolt (20 mm)	4.5" Reg Pin	\$850.00
952-0093	Vermeer 6 Bolt (0.5"-13)	2" IF Pin - 2.75" dia	\$317.13
952-0082	Vermeer 6 Bolt (0.5"-13)	2" IF Pin - 3" dia	\$322.50
952-0083	Vermeer 6 Bolt (0.5"-13)	2.375" Reg Pin	\$376.25
952-0084	Vermeer 6 Bolt (0.625"-11)	2.875" Reg Pin	\$752.50
952-0089	Vermeer 6 Bolt (0.625"-11)	3.5" Reg Pin	\$779.38
952-0090	Vermeer 6 Bolt (0.625"-11)	3.5" IF Pin	\$779.38
952-0091	Vermeer 6 Bolt (0.625"-11)	4.5" Reg Pin	\$913.75
952-0137	Vermeer 6 Bolt (0.75"-10)	3.5" Reg Pin	\$779.38
952-0138	Vermeer 6 Bolt (0.75"-10)	4.5" Reg Pin	





TACKLE ANY CONDITION WITH

OUR FIELD-TESTED, HDD PRO-PROVEN DESIGNS GIVE YOU A DOWNHOLE

JAGGER

- Carbide teeth welded on cutting face for more durability and better cutting performance.

FOR HARD ROCK, HARDENED COMPACT SOIL/GRAVEL

VERMEER® COMPATIBLE JAGGER BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0099	6 Bolt (0.5"-13)	3.5"	0.625"	\$280.84
952-0017	6 Bolt (0.5"-13)	4"	0.75"	\$290.25
952-0018	6 Bolt (0.5"-13)	5"	0.75"	\$338.63
952-0105	6 Bolt (0.625"-11)	5"	1"	\$376.25
952-0039	6 Bolt (0.625"-11)	6"	1"	\$405.28
952-0019	6 Bolt (0.5"-13)	6.5"	0.75"	\$349.38
952-0020	6 Bolt (0.625"-11)	8"	1"	\$607.38
952-0104	6 Bolt (0.75"-10)	8"	1"	\$618.13
952-0146	6 Bolt (0.625"-11)	10"	1"	\$714.88
952-0148	6 Bolt (0.75"-10)	10"	1"	\$725.63



DITCH WITCH® COMPATIBLE JAGGER BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0129	3 Bolt (12 mm)	3"	0.75"	\$161.25
952-0100	5 Bolt (12 mm)	3.5"	0.625"	\$213.93
952-0051	5 Bolt (12 mm)	4"	0.75"	\$256.93
952-0101	6 Bolt (16 mm)	4.5"	0.75"	\$276.28
952-0052	5 Bolt (12 mm)	5"	0.75"	\$299.93
952-0067	6 Bolt (16 mm)	5"	0.75"	\$321.43
952-0102	6 Bolt (20 mm)	5"	1"	\$376.25
952-0068	6 Bolt (20 mm)	6"	1"	\$427.85
952-0103	6 Bolt (20 mm)	8"	1"	\$607.38
952-0149	6 Bolt (20 mm)	10"	1"	



STEEP TAPER JAGGER

- Designed for directional pushes with a leading center point for easier penetration and quicker steering.
- Carbide teeth welded on cutting face for more durability and better cutting performance.
- Chunky carbide protection along wear edges to extend blade life.

FOR HARD ROCK, HARDENED
COMPACT SOIL/GRAVEL

VERMEER® COMPATIBLE STEEP TAPER JAGGER BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0106	6 Bolt (0.5"-13)	3.5"	0.75"	\$381.63
952-0021	6 Bolt (0.5"-13)	4"	0.75"	\$387.00
952-0022	6 Bolt (0.5"-13)	5"	0.75"	\$516.00
952-0107	6 Bolt (0.625"-11)	5"	1"	\$526.75
952-0098	6 Bolt (0.625"-11)	6"	1"	\$537.50
952-0178	6 Bolt (0.75"-10)	6"	1"	\$537.50
952-0130	6 Bolt (0.625"-11)	8"	1"	\$575.13
952-0147	6 Bolt (0.75"-10)	7"	1"	\$591.25
952-0108	6 Bolt (0.75"-10)	8"	1"	\$618.13



DITCH WITCH® COMPATIBLE STEEP TAPER JAGGER BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0053	5 Bolt (12 mm)	4"	0.75"	\$407.43
952-0109	6 Bolt (16 mm)	4"	0.75"	\$418.18
952-0069	6 Bolt (16 mm)	5"	0.75"	\$521.38
952-0110	6 Bolt (20 mm)	5"	1"	\$526.75
952-0145	5 Bolt (12 mm)	5"	0.75"	\$478.38
952-0094	6 Bolt (20 mm)	6"	1"	\$532.13
952-0111	6 Bolt (20 mm)	8"	1"	

MONSTER

- Aggressive tooth placement with carbide points for superior fracturing and penetration in extreme conditions.

FOR HARD, ROCKY SOIL
CONDITIONS SUCH AS CALICHE,
SANDSTONE

VERMEER® COMPATIBLE MONSTER BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0023	6 Bolt (0.5"-13)	3.5"	0.75"	\$222.53
952-0024	6 Bolt (0.5"-13)	4"	0.75"	\$221.98
952-0025	6 Bolt (0.5"-13)	5"	0.75"	\$243.68
952-0040	6 Bolt (0.625"-11)	5"	1"	\$270.90
952-0041	6 Bolt (0.625"-11)	6"	1"	\$296.70
952-0131	6 Bolt (0.625"-11)	8"	1"	\$392.38
952-0115	6 Bolt (0.75"-10)	8"	1"	

DITCH WITCH® COMPATIBLE MONSTER BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0054	5 Bolt (12 mm)	3.5"	0.75"	\$196.19
952-0055	5 Bolt (12 mm)	4"	0.75"	\$206.23
952-0070	6 Bolt (16 mm)	4"	0.75"	\$222.53
952-0056	5 Bolt (12 mm)	5"	0.75"	\$232.42
952-0071	6 Bolt (16 mm)	5"	0.75"	\$238.31
952-0117	6 Bolt (20 mm)	6"	1"	\$366.04
952-0118	6 Bolt (20 mm)	8"	1"	



180°

- 180° cutting-edge design for smoother rotation and cutting performance.

VERMEER® COMPATIBLE 180° BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0013	6 Bolt (0.5"-13)	3.5"	0.75"	\$211.78
952-0014	6 Bolt (0.5"-13)	4"	0.75"	\$277.74
952-0037	6 Bolt (0.5"-13)	4.5"	0.75"	\$252.63
952-0015	6 Bolt (0.5"-13)	5"	0.75"	\$299.04
952-0036	6 Bolt (0.625"-11)	5"	1"	\$317.13
952-0016	6 Bolt (0.5"-13)	6"	0.75"	\$284.88
952-0038	6 Bolt (0.625"-11)	6"	1"	\$540.03
952-0132	6 Bolt (0.625"-11)	8"	1"	\$424.63
952-0113	6 Bolt (0.75"-10)	8"	1"	\$440.75
952-0167	5 Bolt (3/8" -16)	3.5"	0.75"	

**FOR ROCKY AND ABRASIVE
OIL CONDITIONS**

**DITCH WITCH® COMPATIBLE 180° BLADE**

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0048	5 Bolt (12 mm)	3.5"	0.75"	\$237.25
952-0049	5 Bolt (12 mm)	4"	0.75"	\$245.67
952-0063	6 Bolt (16 mm)	4"	0.75"	\$264.45
952-0050	5 Bolt (12 mm)	5"	0.75"	\$343.19
952-0064	6 Bolt (16 mm)	5"	0.75"	\$284.55
952-0065	6 Bolt (20 mm)	5"	1"	\$350.45
952-0066	6 Bolt (20 mm)	6"	1"	\$392.75
952-0114	6 Bolt (20 mm)	8"	1"	

RUBBLE

- An all-purpose design for soft, but abrasive, conditions.

FOR SAND AND SANDY LOAMS

VERMEER® COMPATIBLE RUBBLE BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0168	5 Bolt (3/8"-16)	3.5"	0.75"	\$112.88
952-0169	5 Bolt (3/8"-16)	2.5"	0.5"	\$91.38
952-0033	6 Bolt (0.5"-13)	3.5"	0.75"	\$116.10
952-0034	6 Bolt (0.5"-13)	4"	0.75"	\$124.64
952-0035	6 Bolt (0.5"-13)	5"	0.75"	\$164.48
952-0046	6 Bolt (0.625"-11)	5"	1"	\$201.03
952-0047	6 Bolt (0.625"-11)	6"	1"	\$222.53
952-0140	6 Bolt (0.75"-10)	6"	1"	\$256.93
952-0119	6 Bolt (0.75"-10)	8"	1"	\$344.00
952-0133	6 Bolt (0.625"-11)	8"	1"	\$413.88
952-0139	6 Bolt (0.625"-11)	10"	1"	\$446.13
952-0141	6 Bolt (0.75"-10)	10"	1"	\$451.50
952-0142	6 Bolt (0.75"-10)	12"	1"	\$548.25
952-0061	5 Bolt (12 mm)	3"	0.75"	\$106.43
952-0062	5 Bolt (12 mm)	4"	0.75"	\$111.80
952-0078	6 Bolt (16 mm)	4"	0.75"	\$120.40
952-0079	6 Bolt (16 mm)	5"	0.75"	\$153.73
952-0080	6 Bolt (20 mm)	5"	1"	\$225.75
952-0081	6 Bolt (20 mm)	6"	1"	\$246.18
952-0120	6 Bolt (20 mm)	8"	1"	\$333.25
952-0143	6 Bolt (20 mm)	10"	1"	



STEEP TAPER RUBBLE

- Designed for directional pushes with a leading center point for easier penetration and quicker steering.
- Chunky carbide protection along wear edges to extend blade life.

FOR SAND AND SANDY LOAMS



VERMEER® COMPATIBLE STEEP TAPER RUBBLE BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0026	6 Bolt (0.5"-13)	3.5"	0.75"	\$150.50
952-0027	6 Bolt (0.5"-13)	4"	0.75"	\$121.58
952-0028	6 Bolt (0.5"-13)	5"	0.75"	\$188.13
952-0042	6 Bolt (0.625"-11)	5"	1"	\$195.81
952-0029	6 Bolt (0.5"-13)	6"	0.75"	\$209.63
952-0043	6 Bolt (0.625"-11)	6"	1"	\$231.13
952-0134	6 Bolt (0.625"-11)	8"	1"	\$310.00
952-0121	6 Bolt (0.75"-10)	8"	1"	\$320.00

DITCH WITCH® COMPATIBLE STEEP TAPER RUBBLE BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0127	3 Bolt (12 mm)	2.5"	0.75"	\$96.75
952-0057	5 Bolt (12 mm)	3"	0.75"	\$147.28
952-0058	5 Bolt (12 mm)	4"	0.75"	\$137.78
952-0072	6 Bolt (16 mm)	4"	0.75"	\$169.85
952-0095	6 Bolt (16 mm)	5"	0.75"	\$198.88
952-0073	6 Bolt (20 mm)	5"	1"	\$231.13
952-0122	6 Bolt (20 mm)	6"	1"	\$310.00
952-0123	6 Bolt (20 mm)	8"	1"	

RAZOR BLADE

- Taper Design assists with Steering and penetration rate.
- Aggressive tooth placement with carbide points for superior fracturing and penetration in extreme conditions.

FOR SALICHE, COBBLE, GRAVEL,
AND SOFTER SHALES



VERMEER® COMPATIBLE RAZOR BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0174	6 Bolt (0.5"-13)	3.5"	0.75"	\$278.43
952-0175	6 Bolt (0.5"-13)	4"	0.75"	\$299.93
952-0176	6 Bolt (0.5"-13)	5"	0.75"	

DITCH WITCH® COMPATIBLE RAZOR BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0170	5 Bolt (12 mm)	3.5"	0.75"	\$278.43
952-0171	5 Bolt (12 mm)	4"	0.75"	\$299.93
952-0172	6 Bolt (16 mm)	4"	0.75"	\$299.93
952-0173	6 Bolt (16 mm)	5"	0.75"	\$321.43
952-0177	5 Bolt (12 mm)	5"	0.75"	

POWER POINT

- Taper design assists with steering and penetration rate in loose cobble and gravel conditions.
- Carbide buttons for increased cutting action in tough conditions.

VERMEER® COMPATIBLE POWER POINT

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0150	6 Bolt (0.5"-13)	3.5"	0.75"	\$245.15
952-0151	6 Bolt (0.5"-13)	4"	0.75"	\$259.67
952-0152	6 Bolt (0.5"-13)	4.5"	0.75"	\$289.39
952-0153	6 Bolt (0.5"-13)	5"	0.75"	\$314.33
952-0154	6 Bolt (0.625"-11)	6"	0.75"	\$363.08
952-0155	6 Bolt (0.5"-13)	6"	0.75"	

DITCH WITCH® COMPATIBLE POWER POINT

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0156	5 Bolt (12 mm)	3.5"	0.75"	\$240.91
952-0157	5 Bolt (12 mm)	4"	0.75"	\$258.00
952-0158	6 Bolt (16 mm)	4"	0.75"	\$258.00
952-0159	6 Bolt (16 mm)	5"	0.75"	\$323.41
952-0160	6 Bolt (16 mm)	4.5"	0.75"	\$279.50
952-0161	6 Bolt (16 mm)	6"	0.75"	

STEEP TAPER POWER POINT BLADE

- Designed for directional pushes with a leading center point for easier penetration and quicker steering.
- Carbide buttons for increased cutting action in tough conditions.
- Carbide protection along edges for longer blade life.

VERMEER® COMPATIBLE STEEP TIP POWER POINT BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0179	6 Bolt (0.5"-13)	3.5"	0.75"	\$360.13
952-0180	6 Bolt (0.5"-13)	4"	0.75"	\$390.17
952-0181	6 Bolt (0.5"-13)	4.5"	0.75"	\$403.13
952-0182	6 Bolt (0.5"-13)	5"	0.75"	

DITCH WITCH® COMPATIBLE STEEP TIP POWER POINT BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0186	5 Bolt (12 mm)	3.5"	0.75"	\$360.13
952-0187	5 Bolt (12 mm)	4"	0.75"	\$381.63
952-0183	6 Bolt (16 mm)	4"	0.75"	\$403.13
952-0188	5 Bolt (12 mm)	4.5"	0.75"	\$403.13
952-0184	6 Bolt (16 mm)	4.5"	0.75"	\$424.63
952-0189	5 Bolt (12 mm)	5"	0.75"	\$430.00
952-0185	6 Bolt (16 mm)	5"	0.75"	

FOR GRAVEL, HARDPAN,
AND LOOSE COBBLE



FOR LOOSE COBBLE
AND GRAVEL



ULTIMATE BIT

- Carbide cutters line the head of this bit making it ideal for tough conditions.
- Hardsurfacing added to the length of the Ultimate Bit helps for high cutting power.

**FOR HARD, COMPACT SOIL
AND GRAVEL**

VERMEER® COMPATIBLE ULTIMATE BIT

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0195	6 Bolt (0.5"-13)	4"	0.75"	\$295.63
952-0196	6 Bolt (0.5"-13)	5"	0.75"	\$306.38

DITCH WITCH® COMPATIBLE ULTIMATE BIT

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0192	5 Bolt (12 mm)	4"	0.75"	\$284.88
952-0193	5 Bolt (12 mm)	5"	0.75"	\$290.25
952-0194	6 Bolt (16 mm)	4"	0.75"	\$295.63
952-0197	6 Bolt (16 mm)	5"	0.75"	\$306.38



VERMEER® COMPATIBLE FREEDOM BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0201	1/2-13 SHCS	5.5"		\$000.00
952-0202	1/2-13 SHCS	5"		\$000.00
952-0203	5/8-11 SHCS	6.5"		\$000.00

DITCH WITCH® COMPATIBLE FREEDOM BLADE

PART #	BOLT PATTERN	WIDTH	THICKNESS	PRICE
952-0204	5 Bolt (12 mm)		0.75"	\$000.00
952-0205	5 Bolt (16 mm) SHCS		0.75"	\$000.00



RADIUS IS AN INDUSTRY LEADER IN THE HDD COMMUNITY WITH INCREDIBLE CUSTOMER SERVICE AND PROFESSIONALLY TRAINED SALESMAN AND TECHNICIANS. THEIR PRICING AND TURNAROUND IS BY FAR THE BEST IN THE BUSINESS.

RELY ON RADIUS TO BUILD YOUR REAMER TO THE HIGHEST STANDARD. NOBODY BUILDS A BETTER REAMER, NO MATTER

PACKED WITH THE FEATURES YOU NEED AND THAT FAMOUS RADIUS RUGGEDNESS, OUR REAMERS ARE READY TO TACKLE ANY CONDITION YOUR FACE.

GET THE JOB DONE RIGHT WITH RADIUS.

BARREL REAMERS

Designed with thick-walled structural steel and internally gusseted for unmatched strength and durability.

- Designed to operate as an effective compaction reamer in softer conditions
- An ideal centralizer for larger diameter projects
- Available in chambered and non-chambered designed for varying projects and weight preference.

PART #	CUTTING SIZE	CONNECTION	SHAFT DIAMETER	PRICE
952-0127	8"	2.375" Reg Box x Box	3.5"	\$96.75
956-0182	10"	2.375" Reg Box x Box	3.5"	\$18,267.74
956-0183	12"	2.375" Reg Box x Box	3.5"	\$21,123.75
956-0385	12"	2.875" Reg Box x Box	4.25"	\$2,580.00
956-0386	16"	2.875" Reg Box x Box	4.25"	\$3,063.75
956-0387	18"	2.875" Reg Box x Box	4.25"	\$3,583.41
956-0388	20"	2.875" Reg Box x Box	4.25"	\$3,045.91
956-0180	24"	2.875" Reg Box x Box	4.25"	\$4,273.13
956-0390	16"	3.5" Reg Box x Box	5"	\$3,547.50
956-0391	18"	3.5" Reg Box x Box	5"	\$4,300.00
956-0392	20"	3.5" Reg Box x Box	5"	\$4,837.50
956-0393	24"	3.5" Reg Box x Box	5"	\$5,160.00
956-0394	30"	3.5" Reg Box x Box	5"	\$5,590.00
956-0395	36"	3.5" Reg Box x Box	5"	



FOR A ROUND HOLE IN SOFTER SHALES

HOLE OPENERS

Radius designs and builds some of the most durable hole openers available. Engineered to maximize productivity in the most difficult solid and fractured rock conditions.

- Hole openers are built to your needs with our exacting standards
- 16" to 48" hole openers are commonly stocked to for same day shipping when time is critical
- Manufactured with new or rerun cones offers economic options
- Field proven design and performance

PART #	CUTTING SIZE	QTY & SIZE OF CONES	CONNECTION / SHAFT DIAMETER	PRICE
956-0372	10"	4 - 6.25" TCI Cones	2.375" Reg Box x Box / 3.5"	\$6,151.15
956-0373	12"	4 - 7.875" TCI Cones	2.375" Reg Box x Box / 3.5"	Call for Pricing
956-0374	14"	4 - 8.75" TCI Cones	2.375" Reg Box x Box / 3.5"	\$6,072.08
956-0375	16"	5 - 8.75" TCI Cones	2.375" Reg Box x Box / 3.5"	\$7,918.56
956-0420	18"	6 - 8.75" TCI Cones	2.375" Reg Box x Box / 3.5"	\$11,395.00
956-0421	12"	4 - 7.875" TCI Cones	2.875" Reg Box x Box / 4.25"	Call for Pricing
956-0376	14"	4 - 8.75" TCI Cones	2.875" Reg Box x Box / 4.25"	Call for Pricing
956-0377	16"	5 - 8.75" TCI Cones	2.875" Reg Box x Box / 4.25"	\$7,763.38
956-0378	18"	6 - 8.75" TCI Cones	2.875" Reg Box x Box / 4.25"	\$12,199.21
956-0379	20"	5 - 12.25" TCI Cones	2.875" Reg Box x Box / 4.25"	Call for Pricing
956-0380	24"	5 - 12.25" TCI Cones	2.875" Reg Box x Box / 4.25"	Call for Pricing
956-0381	16"	5 - 8.75" TCI Cones	3.5" Reg Box x Box / 5"	\$7,422.34
956-0382	18"	6 - 8.75" TCI Cones	3.5" Reg Box x Box / 5"	\$9,773.36
956-0383	20"	4 - 12.25" TCI Cones	3.5" Reg Box x Box / 5"	\$16,701.20
956-0384	24"	5 - 12.25" TCI Cones	3.5" Reg Box x Box / 5"	\$18,006.25
956-0423	30"	6 - 12.25" TCI Cones	3.5" Reg Box x Box / 5"	Call for Pricing

FOR SOLID AND FRACTURED ROCK



FLY CUTTER REAMERS

- Maximum number of cutters available on the market today.
- Carbide-tipped teeth for better cutting performance.
- Rear-facing teeth for easy push-backs.
- Open, tapered design reduces torque load needed and mixes spoils with drilling mud.

PART #	CUTTING SIZE	CONNECTION	SHAFT DIAMETER	PRICE
956-0081	8"	2" IF Box x Box	2.75"	\$1,343.75
956-0082	10"	2" IF Box x Box	2.75"	\$1,936.08
956-0083	12"	2" IF Box x Box	2.75"	\$2,123.13
956-0084	14"	2" IF Box x Box	2.75"	\$2,311.52
956-0085	16"	2" IF Box x Box	2.75"	\$2,447.78
956-0086	18"	2" IF Box x Box	2.75"	\$3,321.75
956-0087	8"	2.375" Reg Box x Box	3.5"	\$1,397.50
956-0088	10"	2.375" Reg Box x Box	3.5"	\$2,056.48
956-0089	12"	2.375" Reg Box x Box	3.5"	\$1,995.20
956-0090	14"	2.375" Reg Box x Box	3.5"	\$2,543.18
956-0091	16"	2.375" Reg Box x Box	3.5"	\$2,449.12
956-0092	18"	2.375" Reg Box x Box	3.5"	\$3,507.73
956-0093	20"	2.375" Reg Box x Box	3.5"	\$3,519.55
956-0094	24"	2.375" Reg Box x Box	3.5"	\$3,822.97
956-0095	28"	2.375" Reg Box x Box	3.5"	\$5,267.50
956-0096	32"	2.375" Reg Box x Box	3.5"	\$6,342.50
956-0097	36"	2.375" Reg Box x Box	3.5"	\$7,310.00
956-0172	30"	2.375" Reg Box x Box	3.50"	\$5,912.50
956-0098	10"	2.875" Reg Box to Box	4.25"	\$2,606.34
956-0099	12"	2.875" Reg Box to Box	4.25"	\$2,490.24
956-0100	14"	2.875" Reg Box to Box	4.25"	\$2,889.60
956-0101	16"	2.875" Reg Box to Box	4.25"	\$2,892.83
956-0102	18"	2.875" Reg Box to Box	4.25"	\$3,628.13
956-0103	20"	2.875" Reg Box to Box	4.25"	\$3,942.83
956-0104	24"	2.875" Reg Box to Box	4.25"	\$4,386.00
956-0105	28"	2.875" Reg Box to Box	4.25"	\$5,805.00
956-0106	30"	2.875" Reg Box to Box	4.25"	\$6,100.63
956-0107	34"	2.875" Reg Box to Box	4.25"	\$7,256.25
956-0108	36"	2.875" Reg Box to Box	4.25"	\$8,062.50
956-0173	32"	2.875" Reg Box to Box	4.25"	\$6,987.50
956-0111	12"	3.5" Reg Box to Box	5"	

FOR SAND WITH COBBLES, SANDSTONE AND HARDPAN



CUSTOM REAMERS & REPAIRS

SEE PAGE 46 FOR MORE INFO

PADDLE REAMERS

- Paddle design provides both aggressive cutting and efficient fluid mixing/pumping action.
- Low-resistance profile requires less horsepower for rotation in a variety of soil conditions.
- Reduced surface area minimizes clay and cuttings build up.

PART #	CUTTING SIZE	CONNECTION	SHAFT DIAMETER	PRICE
956-0048	6"	2" IF Box x Box	2.75"	\$1,395.08
956-0049	8"	2" IF Box x Box	2.75"	\$1,335.53
956-0050	10"	2" IF Box x Box	2.75"	\$1,364.12
956-0051	12"	2" IF Box x Box	2.75"	\$1,710.86
956-0052	14"	2" IF Box x Box	2.75"	\$1,813.90
956-0053	16"	2" IF Box x Box	2.75"	\$1,746.88
956-0054	18"	2" IF Box x Box	2.75"	\$2,327.38
956-0055	20"	2" IF Box x Box	2.75"	\$2,698.25
956-0056	22"	2" IF Box x Box	2.75"	\$3,063.75
956-0057	6"	2.375" Reg Box x Box	3.5"	\$1,376.81
956-0058	8"	2.375" Reg Box x Box	3.5"	\$1,638.57
956-0059	10"	2.375" Reg Box x Box	3.5"	\$1,746.88
956-0060	12"	2.375" Reg Box x Box	3.5"	\$1,961.88
956-0061	14"	2.375" Reg Box x Box	3.5"	\$2,262.88
956-0062	16"	2.375" Reg Box x Box	3.5"	\$2,438.10
956-0063	18"	2.375" Reg Box x Box	3.5"	\$2,800.91
956-0064	20"	2.375" Reg Box x Box	3.5"	\$3,557.18
956-0065	24"	2.375" Reg Box x Box	3.5"	\$3,660.38
956-0066	26"	2.375" Reg Box x Box	3.5"	\$3,770.03
956-0067	10"	2.875" Reg Box to Box	4.25"	\$2,199.50
956-0068	12"	2.875" Reg Box to Box	4.25"	\$2,219.88
956-0069	14"	2.875" Reg Box to Box	4.25"	\$2,365.00
956-0070	16"	2.875" Reg Box to Box	4.25"	\$2,612.25
956-0071	18"	2.875" Reg Box to Box	4.25"	\$3,423.07
956-0072	20"	2.875" Reg Box to Box	4.25"	\$3,440.00
956-0073	22"	2.875" Reg Box to Box	4.25"	\$4,106.50
956-0074	24"	2.875" Reg Box to Box	4.25"	\$4,343.00
956-0136	26"	2.875" Reg Box to Box	4.25"	\$5,052.50
956-0075	28"	2.875" Reg Box to Box	4.25"	\$5,815.75
956-0076	30"	2.875" Reg Box to Box	4.25"	\$6,643.50
956-0077	32"	2.875" Reg Box to Box	4.25"	\$7,546.50
956-0078	34"	2.875" Reg Box to Box	4.25"	\$8,170.00
956-0079	36"	2.875" Reg Box to Box	4.25"	

FOR CLAY, DIRT AND STICKY SOILS.



COMPACT FLUTED REAMER

- Deep-fluted design effectively and efficiently directs slurry flow past reamer and out of the hole.
- Built-in swivel for quick and reliable pullback.
- Carbide inserts strengthen teeth for better cutting performance.
- Precision-positioned fluid ports for efficient mixing and lubrication.

PART #	CUTTING SIZE	CONNECTION	PRICE
956-0001	4.5"	2" IF Box x 12K Swivel	\$1,182.50
956-0003	6.5" (Conical)	2" IF Box x 12K Swivel	\$1,720.00
956-0002	6.5"	2" IF Box x 12K Swivel	\$1,397.50
956-0004	8"	2.375" Reg Box x 20K Swivel	\$1,720.00
956-0005	8" (Conical)	2.375" Reg Box x 20K Swivel	\$2,097.54
956-0560	10"	2.375" Reg Box x 30K Swivel	\$2,100.00
956-0611	10" (Conical)	2.375" Reg Box x 30K Swivel	\$2,779.74
956-0010	12"	2.375" Reg Box x 30K Swivel	\$3,337.71

FOR MEDIUM TO TOUGH SOIL CONDITIONS INCLUDING HARD SOIL AND CHUNK ROCK



STACK PLATE REAMER

- Thickest plates on the market (1½" steel) with interior welds to minimize wear. The competition welds their plates on the outside where they are exposed to damaging conditions.
- Maximum number of cutters available on the market today, precisely placed for an extremely smooth cutting action.
- Stacked plates are tapered and rotated slightly, creating spiraled flutes for evacuating spoils.
- Wear edges reinforced with hardfacing for longer life.

PART #	CUTTING SIZE	CONNECTION	SHAFT DIAMETER	PRICE
956-0011	8"	2.375" API Reg Box x Box	3.5"	\$1,671.09
956-0012	10"	2.375" API Reg Box x Box	3.5"	\$2,141.02
956-0013	12"	2.375" API Reg Box x Box	3.5"	\$2,688.95
956-0014	14"	2.375" API Reg Box x Box	3.5"	\$3,390.01
956-0015	16"	2.375" API Reg Box x Box	3.5"	\$3,681.88
956-0016	18"	2.375" API Reg Box x Box	3.5"	\$5,302.71
956-0017	20"	2.375" API Reg Box x Box	3.5"	\$5,635.37
956-0018	10"	2.875" Reg Box x Box	4.25"	\$2,473.09
956-0019	12"	2.875" Reg Box x Box	4.25"	\$2,929.38
956-0020	14"	2.875" Reg Box x Box	4.25"	\$3,862.64
956-0021	16"	2.875" Reg Box x Box	4.25"	\$4,436.96
956-0022	18"	2.875" Reg Box x Box	4.25"	\$4,730.00
956-0022	18"	2.875" Reg Box x Box	4.25"	\$6,827.06
956-0023	20"	2.875" Reg Box x Box	4.25"	\$9,363.25
956-0024	24"	2.875" Reg Box x Box	4.25"	\$11,117.65
956-0025	26"	2.875" Reg Box x Box	4.25"	\$11,851.88
956-0026	28"	2.875" Reg Box x Box	4.25"	\$13,545.00
956-0027	30"	2.875" Reg Box x Box	4.25"	\$16,931.25
956-0028	32"	2.875" Reg Box x Box	4.25"	\$18,113.75
956-0029	34"	2.875" Reg Box x Box	4.25"	

**FOR EXTREME CONDITIONS
SUCH AS HARD ROCK, CHUNK
ROCK AND COBBLE**



NEW RADIUS® OVER-BIT REAMER

The new Radius Overbit Reamer eliminates completely the need to remove pilot tools to attach a reamer. Designed for fiber and small bore contractors, the Overbit Reamer simply attaches over the pilot bit and secures with one bolt. It offers the simplicity your crews have been looking for and perfect in small exit pits—no collars, no wrenches or tongs. With the pilot tool attached the sonde can be used to locate through tight easements or intersects. Designed exclusively for 2700 and 3500 series Radius rock bit.

PART #	DESCRIPTION	PRICE
956-0496	6" Radius Over-Bit Reamer Fits 2700 Series	\$2,404.24
956-0497	8" Radius Over-Bit Reamer Fits 3000 Series	\$2,154.89
SPL-0020	2750 Series Rock Bit & 6" Over-Bit Bundle	\$3,708.00
SPL-0021	3000 Series Rock Bit & 8" Over-Bit Bundle	

**READY TO REAM IN LESS
THAN 00:30 SECONDS**



**THE NEW RADIUS OVERBIT REAMER
ELIMINATES COMPLETELY THE NEED TO
REMOVE PILOT TOOLS TO ATTACH A REAMER.**

THREE BEARINGS AND A LARGER SHAFT BUILT WITH TOOL STEEL CONSTRUCTION, ELIMINATES THE FOLD-OVER YOU CAN GET ON OTHER SWIVELS. A SMOOTH OUTSIDE

RADIUS OFFERS SOME OF THE LEADING HDD SWIVELS ON THE MARKET TODAY WITH A UNIQUE DESIGN THAT'S ON OF THE STRONGEST AVAILABLE.

DCD & CONDUX SWIVELS

Radius is proud to offer DCD swivels as part of our professional line of HDD tools. Available in a variety of sizes and connections, Radius has a huge selection of swivel and pulling products. A 5:1 safe work load on Deluxe swivels offers confidence and reliability, while DUBLITE swivels are a dependable and more economical choice. Either way, you can count

CONDUX® CLEVIS X CLEVIS VALUE SWIVELS

PART #	DESCRIPTION	CLEVIS ID	SAFE WORK LOAD	PRICE
954-0044	4.25 Ton, 1.625" OD	5/8"	3 to 1	\$365.50
954-0045	5 Ton, 2" OD	3/4"	3 to 1	\$516.00
954-0047	10 Ton, 2.5" OD	1"	3 to 1	\$671.88
954-0048	15 Ton, 3" OD	1-5/16"	3 to 1	\$903.00



CONDUX DELUX SWIVEL

PART #	DESCRIPTION	CLEVIS ID	SAFE WORK LOAD	PRICE
954-0035	4.25 Ton, 1.625" OD	5/8"	3 to 1	\$376.25
954-0036	5 Ton, 2" OD	3/4"	3 to 1	\$569.75
954-0037	10 Ton, 2.5" OD	1"	3 to 1	\$698.75
954-0038	15 Ton, 3" OD	1-5/16"	3 to 1	\$967.50
954-0039	20 Ton, 4" OD	1-5/8"	3 to 1	\$1,806.97
954-0040	30 Ton, 4.5" OD	1-3/4"	3 to 1	\$2,309.10
954-0041	45 Ton, 5.75" OD	2"	3 to 1	\$4,275.60
954-0042	60 Ton, 6.5" OD	2.25"	3 to 1	



DCD CLEVIS TO CLEVIS DUBLITE SWIVELS

PART #	DESCRIPTION	CLEVIS ID	SAFE WORK LOAD	PRICE
954-0550	4.25 Ton, 2" OD	3/4"	3 to 1	\$535.08
954-0551	5 Ton, 2.25" OD	7/8"	3 to 1	\$608.72
954-0552	10 Ton, 2.5" OD	1"	3 to 1	\$780.45
954-0553	15 Ton, 3" OD	1-5/16"	3 to 1	\$1,026.63
954-0792	20 Ton, 4.75" OD	1-3/4"	3 to 1	\$1,674.72
954-0793	30 Ton, 5.75" OD	1-3/4"	3 to 1	\$2,002.97
954-0794	45 Ton, 6" OD	1-3/4"	3 to 1	



DCD CLEVIS TO CLEVIS DUB SWIVELS

PART #	DESCRIPTION	CLEVIS ID	SAFE WORK LOAD	PRICE
954-0690	5 Ton, 3.125" OD	1-1/4"	5 to 1	\$919.20
954-0691	10 Ton, 3.75" OD	1-1/2"	5 to 1	\$1,250.11
954-0692	15 Ton, 4.75" OD	1-3/4"	5 to 1	\$1,822.40
954-0693	20 Ton, 5.75" OD	1-3/4"	5 to 1	\$2,304.98
954-0694	30 Ton, 6" OD	1-3/4"	5 to 1	\$2,594.01
954-0695	40 Ton, 6.5" OD	2-1/8"	5 to 1	\$4,504.71
954-0560	60 Ton, 7.5" OD	2-3/4"	5 to 1	



DCD CLEVIS TO IF DUB SWIVELS

PART #	DESCRIPTION	CLEVIS ID	SAFE WORK LOAD	PRICE
954-0026	15 Ton, 2-3/8" IF Box, 4-3/4" OD	1-3/4"	5 to 1	\$2,687.91
954-0027	20 Ton, 2-3/8" IF Box, 5-3/4" OD	1-3/4"	5 to 1	\$3,519.01
954-0028	20 Ton, 2-7/8" IF Box, 5-3/4" OD	1-3/4"	5 to 1	\$3,436.65
954-0029	30 Ton, 2-7/8" IF Box, 6" OD	1-3/4"	5 to 1	\$3,631.32
954-0030	30 Ton, 3-1/2" IF Box, 6" OD	1-3/4"	5 to 1	\$3,855.93
954-0031	40 Ton, 3-1/2" IF Box, 6.5" OD	2-1/8"	5 to 1	\$6,125.21
954-0032	40 Ton, 4-1/2" IF Box, 6.5" OD	2-1/8"	5 to 1	\$6,125.21
954-0033	60 Ton, 4-1/2" IF Box, 7.5" OD	2-3/4"	5 to 1	\$8,419.23
954-0034	80 Ton, 4-1/2" IF Box, 9" OD	3-1/4"	5 to 1	



FLANGE SWIVELS

Made in the USA from high-strength alloy steel and high-quality precision bearings, our flange swivels are specifically designed to withstand the rigors of directional boring. Each swivel is dynamically tested at the rated load with full pull and rotation for 100 hours. Radius flange swivels also feature convenient side access to grease zerk so you can grease the bearing.



FLANGE SWIVELS

PART #	DESCRIPTION	PRICE
954-0052	10K x 4.5" & 6" Ditch Witch® Compatible Fluted Reamer Swivel	\$403.13
954-0053	20K x 8" Ditch Witch® Compatible Fluted Reamer Swivel	\$741.75
954-0054	30K x 10" & 12" Ditch Witch® Compatible Fluted Reamer Swivel	\$940.63
954-0826	40K Ditch Witch® Compatible Flange Swivel	\$1,061.83
954-0954	100K Ditch Witch® Compatible Flange Swivel	\$2,094.50
954-0863	15 Ton Dublite Flange Swivel	\$995.47
954-0871	30 Ton Dub Flange Swivel	\$5,106.25
954-0451	15 Ton Lewis MFG Flange Swivel	\$1,585.63
954-0452	25 Ton Lewis MFG Flange Swivel	

PARTS & ACCESSORIES

THAT MEANS, NOT ONLY CARRYING THE BEST HDD TOOLS AVAILABLE, IT MEANS PUTTING JUST ABOUT ANYTHING AN HDD PRO NEEDS RIGHT AT YOUR FINGERTIPS. BATTERIES TO BOLTS, HARD HATS TO HOUSING DOORS, PONCHOS TO PULLERS, AND EVEN CAUTION TAPE TO CLEVIS PINS AND

AT RADIUS, OUR JOB IS TO MAKE YOUR JOB EASIER.

PULLERS & PULLING ACCESSORIES

SLEEVED PULLER

PART #	DESCRIPTION	PRICE
954-0113	1.25" Duct	\$196.73
954-0114	1.5" Duct	\$241.88
954-0115	2" Duct	\$292.94
954-0116	2.5" Duct	\$392.38
954-0117	3" Duct	\$447.20
954-0118	4" Duct	\$554.70
954-0119	5" Duct	\$912.94
954-0120	6" Duct	



4" Sleeved Puller

EXPANDABLE DUCT PULLER

PART #	DESCRIPTION	PRICE
954-0122	0.5" Duct	\$106.43
954-0123	1" Duct	\$134.38
954-0124	1.25" Duct	\$150.61
954-0125	1.5" Duct	\$181.71
954-0126	2" Duct	\$236.20
954-0127	2.5" Duct	\$321.01
954-0128	3" Duct	\$375.51
954-0129	4" Duct	\$454.24
954-0130	5" Duct	\$672.27
954-0131	6" Duct	\$808.54
954-0132	8" Duct	\$1,937.10
954-0276	10" Duct	\$2,439.71
954-0277	12" Duct	



2" Expandable Puller

CARROT PULLER WITH EYE

PART #	DESCRIPTION	PRICE
954-0133	0.5" to 1" Duct	\$51.72
954-0134	1" Duct	\$53.72
954-0135	1" to 1.25" Duct	\$53.21
954-0136	1.25" Duct	\$55.16
954-0137	1.25" to 1.5" Duct	\$74.71
954-0138	1.5" Duct	\$66.21
954-0139	2" Duct	\$84.19



1.25" Carrot Puller

FRIENDLY AND FAST SERVICE, WAS IN A PINCH AND NEEDED DOWN HOLE WIRE AND THEY DELIVERED.

Pullers & Pulling Accessories

OTHER PULLERS

PART #	DESCRIPTION	PRICE
954-0502	Pest Duct Puller, 1.25"	\$479.29
954-0503	Sleeveless Duct Puller, 2" Duct	\$316.75
954-0504	Dub Wise Puller (Sleeved), 1.5" Duct	\$293.22
954-0505	Dub Wise Puller (Sleeved), 2" Duct	\$386.46
954-0506	Dub Wise Puller (Sleeved), 4" Duct	\$735.84



Dub Wise Puller

MESH PULLING GRIPS

PART #	DESCRIPTION	LENGTH	CAPACITY	PRICE
954-0140	Stnd Ditch Witch® Compatible Mesh Grip,	18" OAL	1,700 lbs	\$30.10
954-0142	Stnd Ditch Witch® Compatible Mesh Grip,	18" OAL	2,000 lbs	\$32.25
954-0143	Stnd Ditch Witch® Compatible Mesh Grip,	18" OAL	2,000 lbs	\$37.63
954-0145	Stnd Wire Mesh Grip, 1.25"-2" Duct	26" OAL	2,500 lbs	\$78.74
954-0146	Stnd Wire Mesh Grip, 2"-2.75" Duct	32" OAL	3,500 lbs	\$99.71
954-0147	HD Wire Mesh Grip, 0.5"-0.75" Duct	24" OAL	2,600 lbs	\$55.09
954-0148	HD Wire Mesh Grip, 0.75"-1.25" Duct	24" OAL	3,500 lbs	\$64.50
954-0149	HD Wire Mesh Grip, 1.25"-2" Duct	32" OAL	3,500 lbs	\$92.88
954-0150	HD Wire Mesh Grip, 2"-2.75" Duct	38" OAL	4,500 lbs	\$107.77
954-0152	HD Wire Mesh Grip, 2.75"-3.5" Duct	38" OAL	4,500 lbs	\$139.16
954-0153	HD Wire Mesh Grip, 3.5"-4.25" Duct	46" OAL	5,500 lbs	\$152.17
954-0154	HD Wire Mesh Grip, 4.25"-4.875" Duct	52" OAL	6,500 lbs	



Pulling Grip

POLYESTER PULLING TAPE

PART #	DESCRIPTION	PRICE
954-0344	0.25"-3,000' Length - 900 lbs	\$123.29
954-0345	0.375"-6,500' Length - 1,130 lbs	\$222.79
954-0346	0.625"-3,000' Length - 1,800 lbs	\$135.07
954-0347	0.75"-5,000' Length - 2,500 lbs	



Pulling Tape

CONDUIT MEASURING TAPE

PART #	DESCRIPTION	PRICE
954-0348	0.1875"-3,000' Length - 160 lbs	

PULLING SHACKLES

PART #	PRODUCT	STYLE	WORK LOAD LIMIT	PRICE
954-0802	0.375"	Screw Pin	2,000 lbs	\$7.53
954-0845	0.4375"	Screw Pin	3,000 lbs	\$8.87
954-0107	0.5"	Screw Pin	6,600 lbs	\$12.79
954-0108	0.625"	Screw Pin	6,500 lbs	\$18.11
954-0109	0.75"	Screw Pin	14,000 lbs	\$26.07
954-0110	0.875"	Screw Pin	13,000 lbs	\$34.02
954-0111	1"	Screw Pin	17,000 lbs	\$46.60
954-1044	1.25"	Screw Pin	24,000 lbs	\$90.35
954-0112	1.375"	Screw Pin	27,000 lbs	\$126.47
954-0622	1.5"	Screw Pin	34,000 lbs	\$215.00
954-0623	1.75"	Screw Pin	50,000 lbs	\$322.50
954-0624	2"	Screw Pin	70,000 lbs	\$430.00



ROD WIPERS, VICE JAWS & INSERTS

VERMEER® COMPATIBLE OEM VICE JAWS

PART #	FITS MODEL	FULL SET REPLACEMENT REQUIRES	PRICE
954-0080	D7x11 / D10x15 Stationary	2	\$84.39
954-0081	D7x11 / D10x15 Cylinder	2	\$121.98
954-0082	D16x20 Stationary	2	\$84.39
954-0083	D16x20 Cylinder	2	\$119.27
954-0366	D20x22 Cylinder	2	\$102.13
954-0367	D20x22 Stationary	2	\$84.39
954-0965	D23x30 Cylinder	2	\$129.03
954-0966	D23x30 Stationary	2	\$77.40
954-0084	D24x40 Stationary	4	\$63.43
954-0085	D33x44 / D36x50 Stationary (FS650)	4	\$86.00
954-0088	D36x50 / 40x55 Stationary (FS700)	4	\$102.13
954-0090	D60x90 / 50x100 Cylinder	4	\$111.80
954-0093	D50x100 / 80x100 Cylinder	4	



OEM Vice Jaw

VERMEER® COMPATIBLE BLOCKS & INSERTS

PART #	FITS MODEL	FULL SET REPLACEMENT REQUIRES	PRICE
954-0086	D7x11 / D16x20 / 20x22 / 23x30 Stationary	2	\$132.01
954-0089	D7x11 / D16x20 / 20x22 / 23x30 Cylinder	2	\$155.34
954-0091	D7x11 / D9x13 Insert	4	\$25.80
954-0092	D16x20 / 20x22	4	\$25.80
954-0363	D23x30 / D24x40 Insert	4	\$26.88
954-0364	D24x40 / 33x44 / 36x50 / 40x55	4	\$123.63
954-0087	D33x44 / 36x50 Insert (FS650)	4	\$26.88
954-0362	D36x50 / 40x55 Insert (FS700)	4	\$26.88
954-0365	D60x90 / 50x100 / 80x100 / 100x120 Cylinder	4	\$206.29
954-0915	D100x120 / 100x140 Stationary (New Style)	4	\$333.95
954-0094	D60x90 / 50x100 / 80x100 / 100x120 / 100x140 Insert	8	\$7.26



D7x11/D16x20 Block Hydraulic

DITCH WITCH® COMPATIBLE INSERT JAWS

PART #	FITS MODEL	FULL SET REPLACEMENT REQUIRES	PRICE
954-0100	JT100 Mach1	8 Inserts	\$42.06
954-0099	JT4020 Mach1	8 Inserts	\$19.49
954-0098	JT2720 Mach1	8 Inserts	\$21.50
954-0097	JT3020 Mach1, 3020AT	4 Blocks	\$69.88
954-0096	JT922 Coarse Thread, JT2020 Mach1, JT1220 Mach1	4 Blocks	\$24.82
954-0095	JT5	4 Blocks	\$32.47
954-0379	JT922 Fine Thread	4 Blocks	



Inserts

WIRE PULLING COLLARS

PART #	DESCRIPTION	PRICE
954-0368	2 Leg Pulling Collar – 2,000 lb Capacity	\$55.90
954-0369	4 Leg Pulling Collar – 2,000 lb Capacity	\$96.75
954-0370	2 Leg Pulling Collar – 5,500 lb Capacity	\$110.73
954-0371	4 Leg Pulling Collar – 5,500 lb Capacity	\$220.38
954-0372	2 Leg Pulling Collar – 8,200 lb Capacity	\$159.10
954-0373	4 Leg Pulling Collar – 8,200 lb Capacity	\$234.35
954-0374	2 Leg Pulling Collar – 9,800 lb Capacity	\$138.68
954-0375	4 Leg Pulling Collar – 9,800 lb Capacity	



954-0368

DUAL SPLIT ROD WIPERS

PART #	DRILL ROD DIAMETER	PRICE
954-0469	2.125" ID, 9" O.D.	\$105.35
954-0470	2.375" ID, 9" O.D.	\$105.35
954-0471	2.75" ID, 9" O.D.	\$105.35
954-0472	3" ID, 9" O.D.	\$105.35
954-0486	1.5" ID, 9" O.D.	\$105.35
954-0487	1.75" ID, 9" O.D.	\$105.35
954-0488	1.875" ID, 9" O.D.	\$105.35
954-0473	3.5" ID, 14" O.D.	\$139.75
954-0474	4" ID, 14" O.D.	\$139.75
954-0716	2.5" ID, 14" O.D.	



4" Dual Split Rod Wiper

SINGLE ROD WIPERS

PART #	DRILL ROD DIAMETER	PRICE
954-0101	1.125"	\$20.37
954-0102	1.66"	\$20.37
954-0103	1.9"-2.06"	\$20.37
954-0104	2.375"	\$20.37
954-0105	2.875"	\$20.37
954-0106	3.5"	



1.125" Single Rod Wiper

THREAD IDENTIFICATION KIT

The Radius thread ID kit makes it easy to know exactly what thread you have, or more importantly, which thread you need.

Ordering the wrong thread or sub can cost thousands in downtime and delays. This kit contains a number of thread gauges to easily identify all sizes of Vermeer® pipe and quick connect threads, Ditch Witch® pipe and EZ connection threads, API regular and IF Threads as well as other OEM threads common to HDD.

The Radius thread ID kits is also very useful in identifying various unknown subs

THREAD IDENTIFICATION KIT

PART #	DESCRIPTION	PRICE
954-0159	Thread Identification Kit	\$124.41



LUBRICANTS & GREASE

PART #	DESCRIPTION	SIZE	PRICE
954-0067	HD Drill Collar & Tool Joint	1 Gallon	\$56.12
954-0068	HD Drill Collar & Tool Joint	2 Gallon	\$91.91
954-0069	HD Drill Collar & Tool Joint	5 Gallon	\$198.88
954-0070	Drill Collar & Tool Joint Compound	14 oz	\$11.56
954-0419	ECO-SAFE Drill Collar & Tool Joint Compound	1 Gallon	\$96.07
954-0378	ECO-SAFE Drill Collar & Tool Joint Compound	2 Gallon	\$177.38
954-0448	ECO-SAFE Drill Collar & Tool Joint Compound	5 Gallon	\$199.95
954-0795	Drill Collar & Tool Joint Compound	1 Gallon	\$46.76
954-0796	Drill Collar & Tool Joint Compound	2 Gallon	\$85.46
954-0797	Drill Collar & Tool Joint Compound	5 Gallon	



DRILLING MUD AND ADDITIVES

PART #	PRODUCT	INFO	PRICE
954-0440	Hydraul-EZ 50 LB Bag	Borehole Stabilizer & Lubricant	\$10.52
954-0549	30" Dope Brush	Applicator for Antiseize	\$25.53
954-0580	Super Gel X	HY Bentonite, 200 BBL, 50 lb Bag	\$6.93
954-0581	Cetco Drill-Terge	Wetting Agent, 5 Gallon Pail	\$83.85
954-0582	Cetco Insta-Visplus	Liquid Drilling Polymer, 5 Gallon	\$174.50
954-0583	Cetco Claycutter	Clay Inhibitor, 5 Gallon Pail	\$235.00
954-0584	Cetco Superthin	Drilling Fluid Thinner, 5 Gallon	\$82.78
954-0585	Cetco Soda Ash	Sodium Carbonate, pH Balancer	\$56.60
954-0974	Cetco Clay Cutter Dry	Clay Inhibitor, 20 lb Pail	\$181.14
954-1000	Insta-Vis Dry	Drilling Polymer, 14 lb Pail	\$97.50



WORK GEAR & JOBSITE SUPPLIES

Your job is tough enough. Why make it harder going place to place to find what you need for the

JOB SITE SUPPLIES

PART #	DESCRIPTION	PRICE
954-0161	Contractor Shovel	\$18.11
954-0162	Soil Probe / Rod	\$30.96
954-0447	Liquid-Lok 250 Thread Locker 2 Part Epoxy Resin / Activator	\$25.26
954-0509	Vise Wrench Set, Manual (3,000 lb-ft)	\$824.25
954-0711	Petol SLM Grip Tongs, 1"-2-1/4" OD, 16" Handle	\$1,578.64
954-0712	Petol SLM Grip Tongs, 2-3/8"-4" OD, 28" Handle	\$1,904.36
954-0713	Petol SLM Grip Tongs, 3-3/4"-6-1/2" OD, 33" Handle	\$2,334.90
954-0976	Overshot Fishing Tool, 2-3/8" Reg Pin, 1" to 3.5"	\$1,558.75
954-0977	Overshot Fishing Tool, 2-7/8" Reg Pin, 2" to 4"	\$1,564.13
954-0978	Overshot Fishing Tool, 3-1/2" Reg Pin, 3" to 5"	\$2,580.00
954-0958	Rigid Pipe Wrench, 60" OAL	\$521.38
954-0682	Break Away Jaw Eye Bolt	\$25.26
954-0683	Vice Wrench Dowel Pin	\$5.64
954-0684	Vice Wrench Flange Nut	\$1.61
954-1007	Break-Out Wrench Handle	\$62.89
954-1008	Break-Out Wrench Jaw	\$39.51
954-1009	Break-Out Wrench Set Screw	\$0.27
954-1010	RH Pivoting Nut (For Break-Out Wrench)	\$36.28
954-1011	LH Pivoting Nut (For Break-Out Wrench)	\$43.54
954-1012	Lynch Pin 0.438" x 2" (For Break-Out Wrench)	\$1.51
954-1013	Screw Drive Handle (For Break-Out Wrench)	\$52.19
954-1021	Wrench Handle Assy	



Jobsite Supplies continued on the next page.

Work Gear & Jobsite Supplies continued on the next page.

PART #	DESCRIPTION	PRICE
954-0703	Petol Drill Pipe Tongs Only (3"-8.25", 36" Handle)	\$1,811.38
954-0704	Petol Drill Pipe Tong Chain (Complete, 7.25"-8.25" OD)	\$843.88
954-0705	Petol Drill Pipe Tongs Only (4.25"-10.75", 36" Handle)	\$2,067.23
954-0706	Petol Drill Pipe Tong Chain (Complete, 9.875"-10.75" OD)	\$1,058.88
954-0707	Petol Drill Pipe Tongs Only (4"-14", 36" Handle)	\$3,671.13
954-0708	Petol Special Chain Complete (4-5 Link, 13.75"-14" OD)	\$2,739.10
954-0709	Petol Bukup Tongs Only (4.25"-10.75", 48" Handle)	\$3,838.83
954-0710	Petol Bukup Special Chain (Complete, 9.5"-10.75" OD)	\$2,320.93
954-1119	Petol Bukup Tong Handle (48", 2.125"-8" OD, 4.66" Grip Width)	\$2,119.90
954-1120	Petol Bukup Tong Chain (Complete, 7.625"-8" OD)	



ELECTRICAL PROTECTION

PART #	PRODUCT	INFO	PRICE
954-0652	Servus Dielectric Overshoes with 2 Buckles 20K VR	Size 8	\$166.63
954-0653	Servus Dielectric Overshoes with 2 Buckles 20K VR	Size 9	\$166.63
954-0654	Servus Dielectric Overshoes with 2 Buckles 20K VR	Size 10	\$166.63
954-0655	Servus Dielectric Overshoes with 2 Buckles 20K VR	Size 11	\$166.63
954-0656	Servus Dielectric Overshoes with 2 Buckles 20K VR	Size 12	\$166.63
954-0657	Servus Dielectric Overshoes with 2 Buckles 20K VR	Size 13	\$166.63
954-0769	Servus Dielectric Overshoes with 2 Buckles 20K VR	Size 14	\$166.63
954-0770	Servus Dielectric Overboots with 1 Buckles 20K VR	Size 9	\$177.38
954-0771	Servus Dielectric Overboots with 1 Buckles 20K VR	Size 10	\$177.38
954-0772	Servus Dielectric Overboots with 1 Buckles 20K VR	Size 11	\$177.38
954-0773	Servus Dielectric Overboots with 1 Buckles 20K VR	Size 12	\$177.38
954-0774	Servus Dielectric Overboots with 1 Buckles 20K VR	Size 13	\$177.38
954-0775	Servus Dielectric Overboots with 1 Buckles 20K VR	Size 14	\$177.38



BATTERIES

PART #	DESCRIPTION	PRICE
954-0402	CT-Silver Lithium Super Cell	\$120.40
954-0403	CT-Blue Lithium	\$43.00
954-0404	NI-CD Rechargeable	\$64.50
954-0728	F Series Battery Pack	



WIRES

PART #	PRODUCT	INFO	PRICE
954-0314	Wireline Adapter	3500 / 4500 / 5000 / 6500 Series Radius Rock Housings	\$12.74
954-0438	Wireline Adapter Kit	Wireline Accessory	\$210.54
954-0459	Black Heat Shrink with Sealant	3/8" x 4 ft (2 to 1 Shrink)	\$10.59
954-0460	Downhole Wire	10/7 Strand 45 mil, 1,000 ft Reel	\$435.84
954-0461	Nicopress Wire Sleeves	FW-2-3 3/4	\$0.85
954-0462	Crimping Tool #51	Wireline Crimpers	\$332.92
954-0463	2.875 IF Spider	Wireline Accessory	\$80.13
954-0464	3.5 IF Spider	Wireline Accessory	\$72.56
954-0970	Down Hole Spider	10/7 Strand 45 mil, 500 ft Reel	\$234.47
954-0821	End Load Wireline Kit	Wireline Accessory	\$248.51
954-0799	Wireline Butt Connector 100 ct Bag	Wireline Accessory	\$22.95
954-0800	Wireline Crimping Tool for Butt Connectors	Wireline Accessory	\$181.41
954-0784	Clear Heat Shrink with Sealant	3/8" x 4 ft (2 to 1 Shrink)	\$10.59



954-0460

DRILL PIPE

PART #	DESCRIPTION	INFO	PRICE
PIP-0020	2-7/8" IF Drill Pipe	3.500 x 15' DD-6	Call for Pricing
PIP-0025	TT4X	1.660 x 5'	Call for Pricing
PIP-0011	CASE 6010	2.063 x 10'	Call for Pricing
PIP-0015	CASE 6030	2.375 x 10'	Call for Pricing



VERMEER® COMPATIBLE DRILL PIPE

PART #	DESCRIPTION	INFO	PRICE
PIP-0001	D7x11	1.660 x 6'	Call for Pricing
PIP-0004	D10x15	1.660 x 10'	Call for Pricing
PIP-0007	D1620	1.900 x 10'	Call for Pricing
PIP-0009	D20x22 / D24x26	2.063 x 10'	Call for Pricing
PIP-0014	D24x40	2.375 x 10'	Call for Pricing
PIP-0016	D50x100 / D60x90	2.875 x 15'	Call for Pricing
PIP-0016	D50x100 / D60x90	2.875 x 15'	Call for Pricing
PIP-0035	D33x44 / 36x50	2.375 x 10' (FS650)	Call for Pricing
PIP-0036	D33x44 / 36x50	2.375 x 15' (FS650)	Call for Pricing
PIP-0037	D36x50 / 40x55	2.625 x 10' (FS700)	Call for Pricing
PIP-0038	D36x50 / 40x55	2.625 x 15' (FS700)	Call for Pricing

Vermeer Compatible Drill Pipe



DITCH WITCH® COMPATIBLE DRILL PIPE

PART #	DESCRIPTION	INFO	PRICE
PIP-0002	JT 920 / 921	1.41-6 x 6'6"	Call for Pricing
PIP-0003	JT922 / JT9 / JT10	1.30-5 Coarse x 6'	Call for Pricing
PIP-0005	JT 920L	1.41-6 x 10'	Call for Pricing
PIP-0006	JT 1220	1.47-4 x 10'	Call for Pricing
PIP-0008	JT1720	1.69-6 x 10'	Call for Pricing
PIP-0010	JT2020 / JT20	1.94-4 x 10'	Call for Pricing
PIP-0012	JT2720	1.94-4 x 10', 3.00" Upset	Call for Pricing
PIP-0013	JT2720M1 / JT3020M1	2.11-4 x 10', 2.75" Upset	Call for Pricing
PIP-0017	JT4020	2.40-4 x 15'	Call for Pricing
PIP-0018	JT4020M1	2.59-4 x 15'	Call for Pricing
PIP-0021	JT7020	3.27-4 x 15'	Call for Pricing
PIP-0039	JT2720M1 / 3020M1	2.11-4 X 10', 3.00" Upset	Call for Pricing
PIP-0041	JT60	2.46-4 x 15'	Call for Pricing
PIP-0042	JT5	1.10-5 Coarse x 4'9"	Call for Pricing
PIP-0043	JT520	1.21-6 x 4'9"	Call for Pricing
PIP-0044	JT40	2.10-4 x 15'	Call for Pricing
PIP-0045	JT24	1.76-4 x 10'	Call for Pricing

Ditch Witch Compatible Drill Pipe



Standard HDD Drill Pipe



OUR FULL LINE OF PARTS AND ACCESSORIES
IS ALSO AVAILABLE ONLINE AT

WWW.RADIUSHDD.COM



NEED A REPAIR?

RADIUS OFFERS A FULL LINE OF REPAIR SERVICES TO MAXIMIZE YOUR TOOLING LIFE AND REDUCE THE RISK OF LOSING TOOLS DOWN HOLE.



PDC REPAIRS

Maintaining your PDC bit is critical to its performance. Radius offers inspections, maintenance and repair services for all sizes and types of PDC Bits. From simply rotating cutters to body repairs and full cutter replacement, Radius has the experience



ROCK BIT REPAIRS

Radius offers repair services on all brands of HDD pilot tools, from simple carbide replacement to full body rebuilds. There is no charge for the evaluation and inspection in order to assist you in



HOLE OPENER & REAMER REPAIRS

Let Radius extend the life of your hole openers and reamers with a thorough evaluation and inspection, replacing failed cones or cutters, rebuilding worn areas, hardfacing application and thread repairs.



AT & DR INNER ROD REPAIRS

For contractors who run AT or DR rigs, Radius now offers an Inner Rod repair service that rebuilds and machines worn inner shafts back to original specifications at a much lower cost than a new replacement rod. Give us a call to learn more about our "Rod

Authorized Ditch Witch® Dealer



**Ditch
Witch®**
West



Sales

Service

Parts

Rentals

Portland, OR, Tukwila, WA, Spokane, WA, Billings, MT • Phone: (800) 452-7249

Sacramento, CA • Phone: (800) 655-6000

Fowler, CA, Corona, CA, Newark, CA, El Cajon, CA • Phone: (800) 350-2595

Phoenix, AZ, Tucson, AZ • Phone: (602) 437-0351

www.ditchwitchwest.com

***BEST ROCK TOOLS IN
THE BUSINESS***