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e-mail [sales@railhead.com](mailto:sales@railhead.com)

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5,931,240      5,934,391      6,209,660

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# Rock Tooling—Railhead Incredibit

**Railhead** is engineered to drill through tough rocky conditions. The patented product allows it to *out steer every other tool on the market*, typically making corrections in half the time required by other imitators and conventional tooling. The design allows smaller machines that had been previously unsuccessful to complete tough condition bores.

**Railhead** bores in a manner different than any other tool. By drilling in a random elliptical pattern, Railhead creates an annular space larger than the tooling. This reduces wear, increases flow and allows for faster corrections.

**Newly designed door** with thicker hold down tabs and a rounded top to increase the service life and added protection for your transmitter.

Available in 2-3/4", 3", 3-1/2", 4-1/8" and 5" sizes, fit drills from 7,000# to 140,000#

The hole created when drilling with the Railhead Incredibit is larger than the tools used. The table below indicates the average size holes based on the tooling size.

Incredibit size	2-3/4"	3"	3-1/2"	4-1/8"	5"
Average hole diameter created	4-1/2"	5-1/2"	6-1/2"	9"	11"
Gallons of cuttings created per foot	0.83	1.23	1.73	3.31	4.94
Min. gallons of mud per foot to clean hole	2.48	3.70	5.17	9.91	15.2



To order parts call 1-817-594-6663 or 1-888-313-7455 • fax 1-817-594-3697 • e-mail [sales@railhead.com](mailto:sales@railhead.com)



# Rock Tooling—Railhead Incredibit Housing

**Railhead Housings and Rock Bits** incorporate the patented 'Stress Relief Structure' with the "key and keyway" design to take much of the side stress off the bolts. This greatly reduces tool loss due to bolts breaking. The newly designed rounded door incorporates another patent with the "Door Hold Down Tabs". Simply drop the door in place, slide it back and install the bolts in front of the door.

## Incredibit Sonde Housings

Part #	Description
1800	SH 2-3/4" Non-Subsite Sonde Housing
1810	SH 2-3/4" Subsite 86B/BH Specific Sonde Housing
1830	SH 3-1/8" OD Sonde Housing
1850	SH 4-1/8" OD Sonde Housing
1860	SH 3-5/8" OD Sonde Housing
1880	SH 5" OD Sonde Housing

Housings require a Housing Saver which connects to the drill rod or quick connect system being utilized.

## Incredibit Rock Bits



Part #	Description
1503	RB 2-3/4" Standard (1800/1810)
1526	RB 3" Standard (1830)
1528	RB 3" Aggressive (1830)
1554	RB 3-1/2" Standard (1860/1760)
1555	RB 3-3/4" Aggressive (1860/1760)
1562	RB 4-1/8" Standard (1850/1750/1751/1754)
1565	RB 4-1/8" Aggressive (1850/1750/1751/1754)
1581	RB 5" Standard (1880/1780/1782)

# Rock Tooling—Railhead DirectBore

**The DirectBore** is for those jobs that just do not require a Railhead Incredibit. Made from the finest alloys available, the DirectBore housing is available in sizes to fit 15,000# drills up to 80,000#. The box end on the housing allows the DirectBore Rock Bits to be screwed in without the use of any shims or pins. The Sonde Blocks can be clocked to align the sonde inside the housing. This is easily changed should the bit become over-torqued on the housing.

The housings incorporate many of the features found in a Railhead housing. Tri-lock doors reduce twisting of the housing and keep your electronics in place.



Housings require a Housing Saver which connects to the drill rod or quick connect system being utilized.

## DirectBore I Sonde Housings

Part #	Description
8430	3-1/8"SH 3" Rotolock - 2" IF Box
8450	4"SH 4-1/8" Rotolock - 2-7/8"API Box
8460	3-5/8"SH3-1/2" Rotolock - 2-3/8"API Box

## DirectBore I Rock Bits

Part #	Description
8130	4" Direct Bore I - 2" IF Pin
8145	4.5" Direct Bore I - 2-3/8"API Pin
8148	4-3/4" Direct Bore I - 2-3/8"API Pin
8150	5" Direct Bore I - 2-7/8"API Pin



# Railhead Dirt Tooling—Endurance Housings

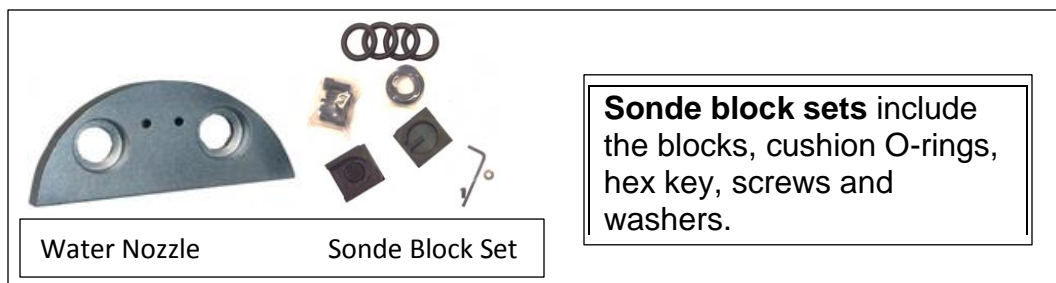
All lines of our dirt tooling incorporate the use of sonde blocks and water nozzles which are listed below. They use the same Housing Savers on the rear as those used on our rock tooling.

## Water Nozzle Blocks

Part #	Description
2150	Water Nozzle - Blank
2157	Water Nozzle Assembly - 2-hole .096 Orifice
2158	Water Nozzle Assembly - 1-Hole .250 Orifice
2160	Water Nozzle Single - .250 Orifice for 1850 SH

## Sonde Blocks

Part #	Description
4701	Blue End Rubber Subsite 86 B2B
4703	End Rubber for Subsite 86 B/BH
4704	Sonde Block Set Subsite 86B/BH
4706	SB (Tail) 1860/1850 Subsite 86
4715	SB (Set) Old Style 1820 Digitrak
4716	Sonde Block Set DCI for 1800 Sonde Housing
4717	SB (Set) New Style 1820 Digitrak
4735	Sonde Block Set DCI Dual Block SH
4736	Sonde Block Set Radiodetection Dual Block SH
4737	Sonde Block Set McLaughlin Dual Block SH
4739	SB (Tail) 1860/1850 Digitrak
4747	Sonde Block Set Clocking DCI Direct Bore SH
4748	Sonde Block Set Clocking Subsite Direct Bore SH
4749	Sonde Block Set Subsite ( DW 850 series, BV2 series)



# Railhead Dirt Tooling—Endurance Housings

**Railhead Endurance Housings** incorporate the patented ‘Stress Relief Structure’ with the “key and keyway” design to take much of the side stress off the bolts. This greatly reduces tool loss due to bolts breaking. The newly designed rounded door incorporates another patent with the “Door Hold Down Tabs”. Simply drop the door in place, slide it back and install the bolts in front of the door.



## Railhead Endurance Housings

Part #	Description
2830	3" Endurance Sonde Housing"
2860	3 1/2" Endurance Sonde Housing"



# Railhead Dirt Tooling—RAM Housings



## 5 Bolt and 6 Bolt Pattern Sonde Housings

Part #	Description
3200	Ditch Witch 5 Bolt Pattern 2-3/4" OD Sonde Housing
3230	Ditch Witch 5 Bolt Pattern 3-1/8 OD" Sonde Housing
3260	Ditch Witch 6 Bolt Pattern 3-5/8" OD Sonde Housing

The **Newly designed door** with thicker hold down tabs and a rounded top increase the service life and provide added protection for your electronics. The **Water Nozzle Block** protects the nose, increasing the life of the housing. The **Rubber Sonde Blocks** securely hold your sensitive electronics and dampen the vibration caused during those tough bores.

**Railhead has set the standard** for durability and cost-effective tooling.  
Call us today for a distributor near you.



## 7 Bolt Pattern Sonde Housings

Part #	Description
3100	Vermeer 7 Bolt Pattern 2-3/4" OD Sonde Housing
3120	Vermeer 7 Bolt Pattern 3-1/8" OD Sonde Housing
3160	Vermeer 7 Bolt Pattern 3-5/8" OD Sonde Housing

# Dirt Tooling—Paddle Bits







## Endurance Paddle Bits

**Endurance Paddle Bits** incorporate the patented 'Stress Relief Structure' with the "key and keyway" design to take much of the side stress off the bolts. These bits fit our Endurance Housings found on page 6. Available in sizes from 3-1/2" to 6" wide.

	SHARP SHOOTER		CLAW BIT
	BUTTON BIT		ROUGHNECK BIT

## OEM Paddle Bits

**Paddle Bits** built with heat-treated alloy for your 5-Bolt, 6-Bolt and 7 Bolt Pattern Housings. Available in sizes from 3-1/2" to 5" wide.

	ECONOMY CHISEL		STEEP TAPERED ROUGHNECK
	STEEP TAPERED HARDFACED CHISEL		ROUND BUTTON
	HARDFACED CHISEL		CLAW

**Don't see a style you have in mind? We will custom build a bit to your specs. Call us for details.**

# Housing Savers

**Housing Savers** are used with all Railhead Housings to greatly reduce your repair costs. Rather than replacing the entire housing, you simply replace the housing saver.

If you do not see your connection or have questions about what you need, please call us and **our friendly staff will steer you in the right direction.**

Housing Savers for 2-3/4" Housings		Housing Savers for 3-1/8" Housings	
Part #	Description	Part #	Description
4301	HS 1-5/8" Vermeer LP Pin (1800)	4305	HS 2-1/8" Vermeer LP Pin (1820)
4304	HS 1.66 Firestick Box (1800)	4354	HS 2.06" Firestick Box (1820/2820)
4308	HS 1.41" Fluid Miser Pin (1800)	4355	HS 1.90" Firestick Box (1820/2820)
4415	HS DW EZ2 1.63 Box 2-3/4" SH	4356	HS 2" UNJ Pin (1820/2820)
4417	HS DW EZ2 1.88 Box JT1220M1 2.75"SH	4364	HS 2.06" Fluid Miser Box (1820/2820)
4422	HS 1.66 Astec Box - 2-3/4" Housing	4395	HS DW EZ2 2.00 Box JT1720(M1) 3"SH
4424	HS 2" RAMON Pin - 2-3/4" Rotolock	4409	HS 2" RAMON Pin - 3" Rotolock
		4418	HS DW EZ2 1.88 Box JT1220M1 3"SH
Housing Savers for 3-5/8" Housings		Housing Savers for 4-1/8" Housings	
Part #	Description	Part #	Description
4309	HS 2-1/2" RAMON Pin(1860/2860)	4306	HS 2-1/2" RAMON Pin (1850/3850)
4314	HS 2.52" Fluid Miser Pin (1860/2860)	4307	HS 3-1/2" Firestick Box (1850/3850)
4352	HS 2-3/8" Firestick Box (1860/2860)	4310	HS 2-7/8" Firestick Box - 4-1/8" HS
4358	HS 2-1/8" Vermeer LP Pin (1860/2860)	4311	HS 2-7/8" IF Box (1850/3850)
4373	HS 2.06" Fluid Miser Pin 3-1/2" Housing	4363	HS 3.27" FluidMiser Box (1850/3850)
4374	HS 2-7/8" Firestick Box 3.5" Rotolock	4430	HS DW EZ2 2.63 Box 4-1/8"SH
4375	HS 3-1/2" Firestick Box 3.5" Rotolock	4434	HS 3-1/2" FS2-HIWS2 Box 4-1/8" SH
4379	HS 2.59 Fluid Miser Box 3.5Rotolock		
4389	HS 2-1/2" BSW Pin 3-1/2"Rotolck		<b>Housing Savers for 5" Housings</b>
4396	HS DW EZ2 2.00 Box JT2720 3-1/2"SH	Part #	Description
4397	HS DW EZ2 2.25Box JT2720M1 3-1/2"SH	4380	HS 2-7/8" Firestick Box 5" Rotolock
4398	HS DW EZ2 2.63Box JT4020(M1) 3.5"SH	4381	HS 3-1/2" Firestick Box 5" Rotolock
4421	HS 2-3/8" Astec Box (1860/2860)	4383	HS 2-7/8" IF Box 5" Rotolock
4427	HS DW EZ3 2.25Box JT2720M1 3-1/2"SH	4384	HS 3-1/2" IF Box 5" Rotolock
4429	HS 2-3/8" FS2-HIWS2 Box 3-1/2"SH	4385	HS 2-7/8" Reg API Box 5" Rotolock
4431	HS 2-5/8" FS1-700-15' Box 3-1/2"SH	4386	HS 3-1/2" Reg API Box 5" Rotolock
4433	HS 2.11 Fluid Miser Pin 3-1/2"Housing	4387	HS 3.27 Fluid Miser Box 5" Rotolock
		4428	HS Vermeer 3.5 FS I-1000 5" SH
		4432	HS 3-1/2" FS2-HIWS2 Box 5" SH





# EXTReam Reamers

**The EXTReam Reamer** has the absolute smoothest pullback of any rock reamer on the market today, making it easy on your drill and great for the bottom line.

**The EXTReam Reamer** is built with no moving parts that may fail due to pullback pressure or rotational speed.

Part #	Description
1330	6" EXTReam Reamer 2-3/8" API Box
1340	8" EXTReam Reamer 2-3/8" API Box
1345	10" EXTReam Reamer 2-7/8" API Box
1350	12" EXTReam Reamer 3.5" Rotolock
1360	12" EXTReam Reamer 4-1/8" Rotolock
1370	16" EXTReam Reamer 4-1/8" Rotolock



1330 - 6 Inch



1340 - 8 Inch



1345 - 10 inch

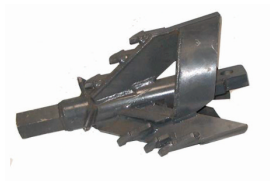


1350 & 1360 - 12 Inch



1370 - 16 Inch

# RAM Reamers

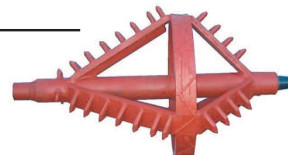


## **Taper Wing Fly Cutter Reamer**

available in 10" to 36" diameter (3 wing standard)  
Additional wings available upon request.

## **Wing Reamer**

available in 10" to 36" diameter



## **Solid Body Fluted Reamers**

available in 4 1/2" to 14" diameter

## **Clay Reamers**

available in 6" to 36" diameter



## **Stacked Plate Reamer**

available in 16" to 36" diameter

## **Groundhawk Reamer**

available in 6" to 24.5" diameter



## **Sand Shark Reamer**

available in 6" to 36" diameter

## **Tapered Barrel Reamer**

available in 6" to 32" diameter



## **Barrel Reamer**

available in 12.8 to 48" diameter

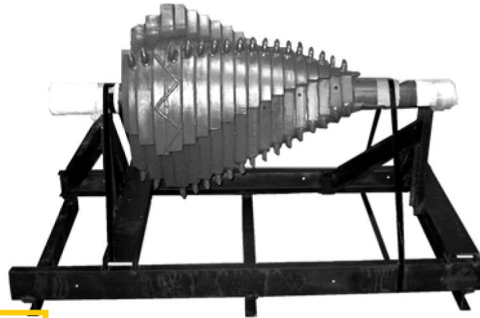
**Ram Reamers** come with a 2" IF, 2-3/8", 2-7/8", or 3-1/2" API box front and back and will accept any API crossover, Pulling Eye, or Direct Connect Swivel. All Reamers are manufactured with a one piece machined HT 4140 shaft. *No tubing is used in these reamers.*

**\*\* Additional sizes and configurations of Ram Reamers available upon request.**

# RAM Reamers

## Stacked Plate Reamers

These stacked plate back reamers feature a slow taper design and deep spiral fluting for smooth cutting and maximum mixing action. They are available with a built-in 15K, 25K or 50K swivel, drawbar, pin or box rear connection. Specify the number of rows of teeth for your soil conditions. The stacked plate reamers can be built as a bi-directional or push reamer if required.



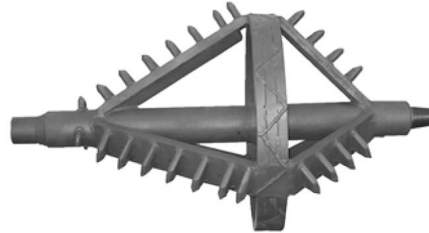
## Solid Body Fluted Reamers

Machined from solid alloy steel bars, and heat treated for strength and durability, these solid body back reamers are available with a built-in 15K, 25K or 50K swivel, drawbar or pin. The API box fronts will accept any API pin crossover to your thread. Available with carbide shark's teeth or conical teeth.



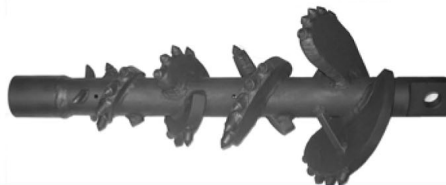
## Wing Reamers

Fabricated from heat treated alloy steel for strength and durability, these Winged Back reamers are available with a built-in 15K, 25K or 50K swivel or drawbar, pin or box rear connection. Larger sizes include standard spider reinforcement. All sizes include a packing wheel to stabilize the reamer.



## Clay Reamers

Made from heat treated alloy steel for strength and durability, the clay reamers feature an aggressive cutting action coupled with a superior mixing action for those sandy loam and clay bores.



## Tapered Barrel and Straight Barrel Reamers

Tapered barrel reamers feature shark teeth carbide cutters in a spiral pattern, and a "packer" barrel rear for stability. Reamers have API REG box fronts and are available with a built-in swivel, drawbar, pin or box rear connection. The API REG box fronts will accept any API pin crossover needed to attach to your drill.

Our Barrel Reamer design features rows of fixed conical carbide cutters on the reamer's face that permit the reamer to cut slightly larger than its outside diameter to allow slurry to flow past the tool. Other features include: 1) full diameter compaction, 2) carbide hardfacing on critical wear areas (*including the front of cutters*) for long life, 3) replaceable fluid jets, and 4) clean-out plug. Both Barrel Reamers may also be used as a centering reamer and pulled in tandem.



Reamers shown on this page are manufactured by Triple D Industries

# Duct Pullers and Slings

## DUCT AND PIPE PULLERS - LUG STYLE

PART #	DESCRIPTION
10364	GRIP RANGE 0.72" - 0.93" WITH REAR LUG
10365	GRIP RANGE 0.94" - 1.15" WITH REAR LUG
10367	GRIP RANGE 1.26" - 1.44" WITH REAR LUG
10368	GRIP RANGE 1.48" - 1.66" WITH REAR LUG
10369	GRIP RANGE 1.91" - 2.08" WITH REAR LUG
10370	GRIP RANGE 2.70" - 3.20" WITH REAR LUG



## DUCT AND PIPE PULLERS - CLEVIS STYLE

PART #	DESCRIPTION
10365C	GRIP RANGE 0.94" - 1.15" WITH REAR LUG
10367C	GRIP RANGE 1.26" - 1.44" WITH REAR LUG
10368C	GRIP RANGE 1.48" - 1.66" WITH REAR LUG
10369C	GRIP RANGE 1.91" - 2.08" WITH REAR LUG



The **Machined Chrome-Moly Steel Pulling Eye** outlasts cast eyes found on other pulling eyes on the market.



## EXPANDING JAW PULLING EYES HARDENED ALLOY STEEL JAWS, CONE & ROD

Part #	Description
	2" Non-Sleeved Pulling Eye, SDR 9 thru 21, SIDR 7 thru 15, SCH 40 & 80
11242	2" Sleeved Pulling Eye, SDR 9 thru 21, SCH 40 & 80
	4" Non-Sleeved Pulling Eye, SDR 9 thru 21, SIDR 7 thru 15 & SCH 40 & 80
11244	4" Sleeved Pulling Eye, SDR 9 thru 21, SCH 40 & 80

## WIRE ROPE PULLING SLINGS

Part #	DESCRIPTION
10378	1/4" DIA. CABLE, 2 LEGS, TOTAL WORK LD. 4,000 LBS.
10379	1/4" DIA. CABLE, 3 LEGS, TOTAL WORK LD. 6,500 LBS.
10380	1/4" DIA. CABLE, 4 LEGS, TOTAL WORK LD. 6,500 LBS.
10381	1/4" DIA. CABLE, 5 LEGS, TOTAL WORK LD. 6,500 LBS.
10382	1/4" DIA. CABLE, 6 LEGS, TOTAL WORK LD. 6,500 LBS.
10383	3/8" DIA. CABLE, 2 LEGS, TOTAL WORK LD. 9,500 LBS.
10384	3/8" DIA. CABLE, 3 LEGS, TOTAL WORK LD. 9,500 LBS.
10385	3/8" DIA. CABLE, 4 LEGS, TOTAL WORK LD. 13,000 LBS.
10386	3/8" DIA. CABLE, 5 LEGS, TOTAL WORK LD. 13,000 LBS.
10387	3/8" DIA. CABLE, 6 LEGS, TOTAL WORK LD. 13,000 LBS.
10388	1/2" DIA. CABLE, 2 LEGS, TOTAL WORK LD. 13,000 LBS.
10389	1/2" DIA. CABLE, 3 LEGS, TOTAL WORK LD. 13,000 LBS.
10390	1/2" DIA. CABLE, 4 LEGS, TOTAL WORK LD. 17,000 LBS.
10391	1/2" DIA. CABLE, 5 LEGS, TOTAL WORK LD. 17,000 LBS.
10392	1/2" DIA. CABLE, 6 LEGS, TOTAL WORK LD. 17,000 LBS.





## Swivels and Pulling Eyes

The **Extreme Duty Swivels** are specifically designed to swivel under high tension loads in the harsh environment of Directional Boring. They are manufactured using high strength, quenched and tempered, Chrome-Moly Steel.



The **Extreme Duty Swivels** are fitted with side-mounted grease fittings for easy lubrication and a multiple sealing system to retain the lubricant and repel external contaminants. They also contain bi-directional bearings allowing them to be pulled from either end without any loss of pullback rating.



SEALED BEARING PULLBACK SWIVELS	
PART #	DESCRIPTION
10909	PULLBACK SWIVEL-- 8,500 LB. W/L
10911	BOLT-ON PULLBACK SWIVEL-- 8,500 LB. W/L
10910	PULLBACK SWIVEL-- 10,000 LB. W/L
10912	PULLBACK SWIVEL-- 12,000 LB. W/L
10914	PULLBACK SWIVEL-- 16,000 LB. W/L
10916	PULLBACK SWIVEL-- 22,000 LB. W/L
10918	PULLBACK SWIVEL-- 32,000 LB. W/L
10919	PULLBACK SWIVEL-- 44,000 LB. W/L
10920	PULLBACK SWIVEL-- 60,000 LB. W/L
10922	PULLBACK SWIVEL-- 90,000 LB. W/L (Clevis/Box)
10923	PULLBACK SWIVEL-- 90,000 LB. W/L (Clevis/Clevis)
10924	PULLBACK SWIVEL-- 120,000 LB. W/L
10908	PULL BACK SWIVEL GREASE - 14OZ CARTRIDGE



The **60K and 90K Extreme Duty Swivels** come standard with a locking pin to prohibit the loss of the clevis pin. This is accomplished with the use of a hex pin on the shoulder side of the clevis pin that locks into a built in groove. No more worries about tearing up the threads of the pin and no exposed bolt head or nut to catch and snag.



### Pulling Eyes

PART #	Description
3003	Pulling Eye 2-1/2" RAMON Pin
3004	Pulling Eye 2" UNJ Pin
3005	Pulling Eye D/W 1.63 EZ2 Box
3006	Pulling Eye D/W 1.88 EZ2 Box
3007	Pulling Eye D/W 2.00 EZ2 Box
3008	Pulling Eye Vm 1-5/8" LP Pin
3009	Pulling Eye Vm 2-1/8" LP Pin



# Railhead Quick Connect Tooling

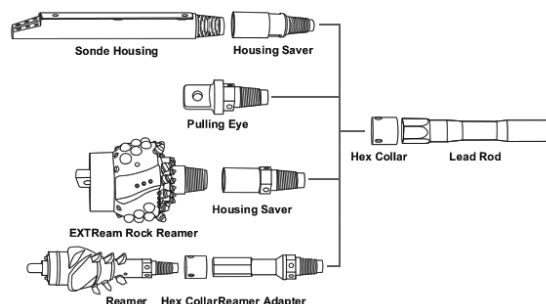
The **Railhead Quick Connect** system is the finest system of its kind on the market. You can attach and remove your drill head or reamer in less than 2 turns. Also, we have never experienced a pin breakage problem. These facts make our system the **fastest and strongest quick connect system available**.

## RAMON Lead Rods

Part #	Description
1233	2-3/8" DW Fluid Miser Pin 2-1/2" RAMON Box Lead Rod
1237	2-3/8" Case Box - 2-1/2" RAMON Box Lead Rod
1239	2.06" Firestick Box - 2" UNJ Box Lead Rod
1240	2.52" Fluid Miser Pin - 2-1/2" RAMON Box Lead Rod
1251	1.66" Firestick Box - 2" RAMON Box Lead Rod
1252	1.90" Firestick Box - 2" RAMON Box Lead Rod
1253	2.06" Firestick Box - 2" RAMON Box Lead Rod
1255	2-3/8" Firestick Box - 2" RAMON Box Lead Rod
1259	2-3/8" Firestick II Box - 2-1/2" RAMON Box Lead Rod
1263	2.11" Fluid Miser Pin - 2-1/2" RAMON Box Lead Rod
1266	1.66" Astec Box - 2" RAMON Box Lead Rod
1267	2.0" Astec Box - 2" RAMON Box Lead Rod
1269	2-3/8" Firestick Box - 2-1/2" RAMON Box Lead Rod
1270	2-3/8" Astec Box - 2-1/2" RAMON Box Lead Rod
1271	2-3/8" PAC Double Start - 2-1/2" RAMON Box Lead Rod
1272	2-3/8" T1-650 - 10 Firestick 1 Box - 2-1/2" RAMON Box Lead Rod
1273	2-5/8" T1-700 - 15 Firestick 1 Box - 2-1/2" RAMON Box Lead Rod

## RAMON Hex Collars

Part #	Description
1107	3.5" OD x .50" Wall 2.5" Hex ID Collar
1108	4.25" OD x .625" Wall 3" Hex ID Collar
1110	3.5" OD x .50" Wall 2.5" Hex ID 6" OAL for 1413
1113	4.25" OD x .625" Wall 3" Hex w/ Hard Surface Collar
1114	3.5" OD x .50" Wall 2.5" Hex ID Hardfaced Collar



To order parts call 1-817-594-6663 or 1-888-313-7455 • fax 1-817-594-3697 • e-mail [sales@railhead.com](mailto:sales@railhead.com)

# Manufacturers Easy Connect Tooling



Ditch Witch Transition Rods	
Part #	Description
12020	Fits JT920
12021	Fits JT1220
12022	Fits JT1720
12023	Fits JT2720
12024	Fits JT2020M1
12025	Fits JT3020M1
12026	Fits JT4020M1
Ditch Witch Collars	
Part #	Description
11316	2.0" Octagon Collar for EZ-II - JT920, JT920L, and JT921
11317	2.0" Hardfaced Octagon Collar for EZ-II - JT920, JT920L, and JT922
11318	2.25" Octagon Collar for EZ-II - JT1220
11319	2.25" Hardfaced Octagon Collar for EZ-II - JT1220
1136	2.5" Octagon Collar for EZ-II - JT1720, JT2020, and JT2720
11321	2.5" Hardfaced Octagon Collar for EZ-II - JT1720, JT2020, and JT2720
11322	2.75" Octagon Collar for EZ-II - JT2720 Mach I
11323	2.75" Hardfaced Octagon Collar for EZ-II - JT2720 Mach I
11324	2.75" Octagon Collar for EZ-III - JT3020 Mach I
11325	2.75" Hardfaced Octagon Collar for EZ-III - JT3020 Mach I
11326	3.0" Octagon Collar for EZ-II - JT4020, JT4020 Mach I
11327	3.0" Hardfaced Octagon Collar for EZ-II - JT4020, JT4020 Mach I



Vermeer Starter Rods	
Part #	Description
12004	Fits 24x40, - 2.375 Firestick I pipe
12010	Fits 7x11, 7x11A, - 1.66 Firestick I pipe
12011	Fits 16x20, 18x22, 20x22, - 1.90 Firestick I pipe
12012	Fits 16x20, 18x22, 20x22, - 2.06 Firestick I pipe
12013	Fits 24x40, - 2.375 Firestick I pipe
Vermeer Collars	
Part #	Description
11310	2.0" Vermeer Hex Collar for 7x11 and 10x15 machines
11311	2.0" Hardfaced Vermeer Hex Collar for 7x11 and 10x15 machines
1126	2.5" Vermeer Hex Collar for 16x20, 18x22, 24x26, 24x 40, 40x40 machines
11313	2.5" Hardfaced Vermeer Hex Collar for 16x20, 18x22, 24x26, 24x 40, 40x40
11314	2.625" Octagon For #350-API H90S Tool Joint ( <b>Hawkeye Collar</b> )
11315	2.625" Hardfaced Octagon For #350-API H90S Tool Joint ( <b>Hawkeye Collar</b> )
11331	2.5" Vermeer Shark Tooth Hex Collar





## Drive Chucks and Sub-Savers

We are now providing Drive Chucks for many HDD rigs. Machined to the precise and exacting standards you expect. Manufactured using the finest Chrome-Moly Steel. Call us today for a dealer near you.

	Drive Chucks
Part #	Description
11400	Fits JT920, JT920L
11401	Fits JT1720
11402	Fits JT 2720
11412	Fits 7x11 - 1.66" Firestick I pipe
11413	Fits 10x15 - 1.66" Firestick I pipe
11418	Fits 16x20, 18x22, 20x22 1.90" Firestick I Pipe
11414	Fits 16x20, 18x22, 20x22 2.06" Firestick I Pipe
11415	Fits 24x40, 33x44, 36x50 and 40x40 - 2.375" Firestick I Pipe
11416	Fits 50x100, 80x100 - 2.875" Firestick I Pipe
11417	Fits 50x100, 80x100 - 3.50" Firestick I Pipe



Sub-Savers are CNC manufactured from 163,000 PSI Tensile Strength Chrome-Moly steel to insure long lasting, durable quality and precision fit.

	Sub-Savers
Part #	Description
11425	Fits 7x11 - 1.66" Firestick I Pipe
11426	Fits 16x20, 18x22, 20x22 1.90" Firestick I Pipe
11427	Fits 16x20, 18x22, 20x22 2.06" Firestick I Pipe
11428	Fits 24x40 -7.5" OAL- 2.375" Firestick I Pipe
11429	Fits 24x40 -9.5" OAL- 2.375" Firestick I Pipe
11430	Fits 50x100, 80x100 - 2.875" Firestick I Pipe
11431	Fits 50x100, 80x100 - 3.50" Firestick I Pipe
11432	Fits 24x40 Series II - 12" OAL - 2.375" Pipe



# Tool Adapters

Part #	Description
1401	2-7/8" Firestick Pin - 2-1/2" RAMON Pin
1402	3-1/2" Firestick Pin - 2-1/2" RAMON Pin
1403	2-7/8" IF Pin - 2-1/2" RAMON Pin
1404	3.27" DW Fluid Miser Pin - 2-1/2" RAMON Pin
1405	2-1/2" Ramon Pin - 2-1/8" Vermeer LP Pin
1406	2-1/2" Ramon Pin - 2-3/8" Case Pin
1409	2.06" DW Fluid Miser Pin - 2-1/2" RAMON Pin
1410	2-3/8" Mayhew JR Pin - 2-1/2" RAMON Pin
1411	2-3/8" API Pin 2-1/2" RAMON Pin
1412	2" IF Pin - 2-1/2" RAMON Pin
1413	2-1/8" Vermeer LP Box - 2-1/2" RAMON Pin
1414	2" UNJ Box - 2-1/2" RAMON Pin
1419	2-3/8" API Pin - 2.06 DW FM Pin
1421	2-3/8" API Pin - 2.59 DW FM Pin
1422	2-3/8" API Pin - 2.59 DW FM Box
1424	2-3/8" API Pin - 2-3/8" Astec Box
1425	2-3/8" API Pin - 2-3/8" Firestick Box
1428	2-3/8" API Pin - 2" RAMON Pin
1434	2-3/8" API Pin - 1-5/8" Vermeer LP Pin
1435	2-3/8" API Pin - 2-1/8" Vermeer LP Pin
1437	2.52" DW Fluid Miser Pin 2-1/2" RAMON Pin
1438	2-3/8" Firestick Pin 2-1/2" RAMON Pin
1439	2-3/8" API 1.63 EZ II Box (DW 920, 920L, 921, 922 EZII)
1440	2-3/8" API 1.88 EZ II Box (1220 MI)
1441	2-3/8" API 2.0 EZ II Box (DW 1720, 1720MI, 2020MI, 2720 EZII)
1442	2-3/8" API 2.25 EZ II Box (DW 2720 MI EZII)
1443	2.59" DW Fluid Miser Pin 2-1/2" RAMON Pin
1444	2-3/8" API Pin - 2.25 EZIII Box (DW3020)
1445	2-3/8" API Pin - 2.59 FM Box (DW 2720 MI, 3020 MI, 4020 MI)
1446	2-1/2" Ramon Pin 2-5/8" QD-65 Pin
1447	2-3/8" Firestick Box 2-1/2" RAMON Pin
1448	2.59" DW Fluid Miser Box 2-1/2" RAMON Pin
1449	2-1/2" Ramon Pin 2-3/8" Astec Pin
1450	2-1/2" Ramon Pin 2-3/8" Pac DS Pin
1451	2-7/8" API Pin - 2.25 EZIII Box (DW3020)
1452	2-3/8" API Pin - 2.63 EZII Box (DW4020)
1453	2-7/8" API Pin - 2.63 EZII Box (DW4020)
1454	2-7/8" API Pin - 2-1/8" Vermeer LP Pin
1460	2-7/8" API Pin - 2-7/8" Firestick I Box
1461	2-7/8" API Pin - 3-1/2" Firestick I Box
1462	3-1/2" API Pin - 3-1/2" Firestick I Box



# Railhead Replacement Parts

**Railhead offers an Exchange Program second to none for all Incredibits and Incredibit Housings.** Simply call your dealer for details and we will have new bit, housing or both shipped today so you can be back to work tomorrow.

Socket Head Cap Screws		Rock Points	
Part #	Description	Part #	Description
5301	SCS 10-24 x 3/8"	5022	RP for 3-1/2" & 3-3/4" Rock Bit-General
5302	Flat Washer 10	5023	RP for 4-1/8" Std Rock Bit-Hard
5304	EXTReam Reamer 1/4" NPT Nozzle - Blank Orifice	5024	RP for 4-1/8" Aggressive Rock Bit-General
5309	EXTReam Reamer 1/4" NPT Nozzle - 5/32" Orifice	5026	RP for 3-1/2" & 3-3/4" Rock Bit-Hard
5310	SHCS 3/8"-16 x 1/2" OAL Pelleted	5029	RP for 4-1/8" Aggressive Rock Bit-Hard
5311	SHCS 3/8"-16 x 3/4" OAL Pelleted (Sonde Housing Door Bolts)	5030	RP for 12" & 16" EXTReam Reamer
5314	SHCS 1/2"-13 x 5/8" OAL Pelleted (Hex Collar Bolt)	5031	RP for 8" & 12" EXTReam Reamer
5317	SHCS 12mm-1.75mm x 1" OAL Pelleted	5032	RP for 5" Rock Bit-Hard
5321	SHCS 3/8"-16 x 3/8" OAL Pelleted	5033	RP for 13" DirectBore Bit
5317	SHCS 12mm-1.75mm x 1" OAL Pelleted	Housing Doors	
5321	SHCS 3/8"-16 x 3/8" OAL Pelleted	Part#	Description
5342	SHCS 14mm-2mm x 35mm OAL Pelleted	4403	Door Dual Block Sonde Housings (New Style 1860,1850,1880)
5343	SHCS 5/8"-11 x 1" OAL Pelleted	4405	Door Single Block Sonde Housings
5344	SHCS 3/4"-11 x 2" OAL Pelleted	4406	Door Dual Block Sonde Housings
5346	SHCS 3/4"-11 x 1-1/4" OAL Pelleted	4407	Door Dual Block 8400 Series Sonde Housings
Keys for Incredibit Sonde Housings		4408	Door 2-3/4" Sonde Housings
Part #	Description		
2201	Key - Dirt Bit to 2-3/4" or 3" Rock Housings		
2202	Key - Dirt Bit to 3-1/2" Rock Housings		
2203	Key - Dirt Bit to 4-1/8" Rock Housings		

## BorePro Tools and Parts

**Railhead** has expanded our product line to provide contractors an ever-increasing variety of products for the underground industry.



**Railhead** now provides Turf Hammers, Installation Accessories, Meter Keys, Soil Probes and Duct Pullers.



Our **BorePro Series** includes Plow Blades, Traction Blades, Chute Blades, and Lost-Motion Assemblies.



The **BorePro Series** (manufactured by Triple D Industries) includes the most comprehensive line of Dry Compaction Boring Tools including Bits, Back reamers, RockHeads, Drill Rods, and Lead Augers available today.

## Helpful Information

### Railhead Incredibit Guide

Tooth Type	1503	1526	1528	1554	1555	1562	1565	1581
GENERAL CONDITION	5013	5021	5021	5022	5022	5020	5024	5032
HARD CONDITION	5013	5019	5019	5026	5026	5023	5029	n/a
COBBLE	n/a	5031	5031	5030	5030	n/a	n/a	n/a
<b>Other Items</b>								
O-Ring	5208	5208	5208	5208	5208	5209	5209	5213
Bit Bolts	5313	5313	5313	5316	5316	5342	5342	5344

### Endurance Housing Chart

Endurance Housing	2830	2860	3100	3120	3160	3200	3230	3260
Bit Bolt	5313	5316	5316	5316	5316	5317	5317	5318
Water Nozzle Bolt	5310	5310	5310	5310	5310	5310	5310	5310
Housing Door Bolt	5311	5311	5311	5311	5311	5311	5311	5311

### DirectBore Housing Chart

DirectBore Housing	8430	2" IF	8450	2-7/8 API	8460	2-3/8 API
DirectBore Bit	8130		8150		8145/8148	
Rock Tooth Hard Condition	5019		5023		5026	
Rock Tooth Cobble	5031		5020	General	5030	
Housing Door Bolt	5311		5311		5311	



Completed 570 feet of solid shale finished backream, May 2013



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