

<b>CUSTOMER DIRECT</b>						
<b>Rental Consumables</b>						
<i>Pipe ramming, HDD Ram Assist and Slick Boring rentals may require one or more of the following invoiceable consumables: oil, pipe pigs, soil shoes or any</i>						
DESCRIPTION	PART #			MSRP (EA)	QTY	MSRP (TOTAL)
<b>4" (98 mm) Replaceable Head with Screw Reverse (3 7/8")</b>						
TOOL ASSY, 4.0" (98MM) RHSR	ET38222			\$ 6,720.42	1	\$ 6,720.42
OILER ASSEMBLY STANDARD	ET1150			\$ 434.88	1	\$ 434.88
HOSE, 3/4"X50'(W/OUT COUPLERS)	ET1034			\$ 468.14	1	\$ 468.14
COUPLER, 3/4 MNPT W/ LOCK RING	ET30319			\$ 40.88	2	\$ 81.76
ASSY, QUICK REVERSE SWIVEL	ET1117			\$ 69.41	1	\$ 69.41
<b>Total Package Price</b>						<b>\$ 7,774.61</b>
<b>5 1/8" (130 mm) with Power Port® Reverse</b>						
TOOL ASSY, 5.125" (130MM) PP	ET51422			\$ 13,711.51	1	\$ 13,711.51
OILER ASSEMBY, 5.125" PP	ET1660			\$ 666.22	1	\$ 666.22
HOSE, MOLE SUPPLY 1-1/4" X 50' W/COUPLER	ET1089			\$ 1,092.98	1	\$ 1,092.98
HOSE, 1.25"X50' (W/COUPLER) OILER SUPPLY	ET1031			\$ 590.00	1	\$ 590.00
<b>Total Package Price</b>						<b>\$ 16,060.71</b>
<b>5 1/8" (130 mm) with Screw Reverse</b>						
TOOL ASSY, 5.125" (130MM) SR	ET51222			\$ 12,271.21	1	\$ 12,271.21
OILER ASSEMBLY STANDARD	ET1150			\$ 434.88	1	\$ 434.88
HOSE, 1"X50' (W/OUT COUPLERS)	ET1036			\$ 719.89	1	\$ 719.89
COUPLER, 3/4 MNPT W/ LOCK RING	ET30319			\$ 40.88	2	\$ 81.76
ASSY, QUICK REVERSE SWIVEL	ET1117			\$ 69.41	1	\$ 69.41
<b>Total Package Price</b>						<b>\$ 13,577.15</b>
<b>7" (180 mm) Air Reverse</b>						
TOOL ASSEMBLY, 7" AR RAM	ET70542			\$ 21,290.42	1	\$ 21,290.42
OILER, 7 & 8 AR - RAM	ET1935			\$ 2,630.00	1	\$ 2,630.00
HOSE, MOLE SUPPLY 1-1/2" X 50' (W/FITTING)	ET1039			\$ 1,300.00	1	\$ 1,300.00
HOSE, MOLE SUPPLY 1-1/2" X 50' (W/FITTING)	ET1039			\$ 1,300.00	1	\$ 1,300.00
HOSE, 1.25"X50' (W/COUPLER) OILER SUPPLY	ET1031			\$ 590.00	1	\$ 590.00
<b>Total Package Price</b>						<b>\$ 27,110.42</b>
<b>8" (200 mm) Air Reverse</b>						
TOOL ASSEMBLY, 8" AIR REV - RAM	ET80741			\$ 29,900.00	1	\$ 29,900.00
OILER, 7 & 8 AR - RAM	ET1935			\$ 2,630.00	1	\$ 2,630.00
HOSE, MOLE SUPPLY 1-1/2" X 50' (W/FITTING)	ET1039			\$ 1,300.00	1	\$ 1,300.00
HOSE, MOLE SUPPLY 1-1/2" X 50' (W/FITTING)	ET1039			\$ 1,300.00	1	\$ 1,300.00
HOSE, 1.25"X50' (W/COUPLER) OILER SUPPLY	ET1031			\$ 590.00	1	\$ 590.00
<b>Total Package Price</b>						<b>\$ 35,720.00</b>
<b>CUSTOMER DIRECT</b>						
<b>Rental Consumables</b>						
<i>Pipe ramming, HDD Ram Assist and Slick Boring rentals may require one or more of the following invoiceable consumables: oil, pipe pigs, soil shoes or any</i>						
DESCRIPTION	PART #			MSRP (EA)	QTY	MSRP (TOTAL)
<b>12" (300 mm) Air Reverse</b>						
TOOL ASSEMBLY 12" W/ LIFTING STRAPS	ET120222			\$ 67,500.00	1	\$ 67,500.00
RAMMING OILER - 12"	ET1950			\$ 3,700.00	1	\$ 3,700.00
HOSE, MOLE SUPPLY 1-1/2" X 50' (W/FITTING)	ET1039			\$ 1,300.00	2	\$ 2,600.00
HOSE, MOLE SUPPLY REV 12" TOOL	ET1044			\$ 940.00	1	\$ 940.00
OILER SUPPLY HOSE - 2" X 50'	ET1052			\$ 1,520.00	1	\$ 1,520.00
<b>Total Package Price</b>						<b>\$ 76,260.00</b>
<b>16" (400 mm) Air Reverse</b>						
TOOL ASSEMBLY 16" - W/ LIFTING STRAPS	ET160222			\$ 105,000.00	1	\$ 105,000.00
RAMMING OILER - 16"	ET1970			\$ 4,770.00	1	\$ 4,770.00
MOLE SUPPLY HOSE - 2" X 50'	ET1050			\$ 1,950.00	2	\$ 3,900.00
HOSE, MOLE SUPPLY 1-1/2" X 50' (W/FITTING)	ET1039			\$ 1,300.00	1	\$ 1,300.00
OILER SUPPLY HOSE - 2" X 50'	ET1052			\$ 1,520.00	2	\$ 3,040.00
CINCH KIT ASSEMBLY 16" TOOL	ET160335			\$ 1,680.00	1	\$ 1,680.00
<b>Total Package Price</b>						<b>\$ 119,690.00</b>
<b>20" (500 mm) Air Reverse</b>						
TOOL ASSEMBLY 20" W/ LIFTING STRAPS	ET200222			\$ 185,000.00	1	\$ 185,000.00
RAMMING OILER - 20" TOOL	ET1980			\$ 6,330.00	1	\$ 6,330.00
HOSE, 2.5" X 50' HAMMERLOCK (YELLOW)	ET1070			\$ 2,330.00	2	\$ 4,660.00
MOLE SUPPLY HOSE - 2" X 50'	ET1050			\$ 1,950.00	1	\$ 1,950.00
HOSE, 2.5" X 50' HAMMERLOCK (YELLOW)	ET1070			\$ 2,330.00	2	\$ 4,660.00
CINCH KIT ASSEMBLY 20" TOOL	ET200235			\$ 2,560.00	1	\$ 2,560.00
WHIP CHECK	910-0007			\$ 60.50	9	\$ 544.50

Total Package Price						\$ 205,704.50
<b>CUSTOMER DIRECT</b>						
<b>Rental Consumables</b>						
<i>Pipe ramming, HDD Ram Assist and Slick Boring rentals may require one or more of the following invoiceable consumables: oil, pipe pigs, soil shoes or any</i>						
DESCRIPTION	PART #			MSRP (EA)	QTY	MSRP (TOTAL)
<b>26XPR (660 mm) Air Reverse</b>						
TOOL ASSEMBLY, 26" RAM	ET260022			\$ 350,000.00	1	\$ 350,000.00
OILER, RAMMING 26" TOOL KIT	ET1998			\$ 6,800.00	1	\$ 6,800.00
HOSE, 2.5" X 50' HAMMERLOCK (YELLOW)	ET1070			\$ 2,330.00	9	\$ 20,970.00
WHIP CHECK	910-0007			\$ 60.50	9	\$ 544.50
CINCH KIT, 26"	ET260023			\$ 7,070.00	1	\$ 7,070.00
Total Package Price						\$ 385,384.50
<b>34" (864 mm) Air Reverse (Use 34-in Tooling Matrix for Hoses, Accessories, etc)</b>						
TOOL ASSY, 34" RAMMING	ET340022			\$ 779,090.00	1	\$ 779,090.00
OILER, RAMMING 34" TOOL KIT	ET1996			\$ 15,390.00	1	\$ 15,390.00
Total Package Price						\$ 794,480.00
<b>CUSTOMER DIRECT</b>						
<b>Pipe Ramming System Rental Consumables</b>						
<i>Pipe ramming and HDD Ram Assist rentals may require one or more of the following invoiceable consumables: oil, pipe pigs, soil shoes or</i>						
DESCRIPTION	PART NO.					MSRP
<b>LUBRICANTS - 8" RAMMERS AND SMALLER</b>						
HHM OIL, 1 GAL	ET2202					\$ 40.07
HHM OIL, CASE, 4-1 GAL	ET30273					\$ 98.14
HHM OIL, 5 GAL PAIL	ET1041					\$ 129.69
HHM OIL, 55 GAL DRUM	ET1040					\$ 1492.99
<b>LUBRICANTS - 12" RAMMERS AND LARGER</b>						
HHM BIO OIL, 1 GALLON	ET1085					\$ 90.25
HHM BIO OIL, CASE, 4-1 GAL	ET1075					\$ 308.81
HHM BIO OIL, 5 GAL PAIL	ET1076					\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077					\$ 3785.47
ROCKDRILL OIL, 100, 5 GAL PAIL	910-0864					\$ 170.00
<b>LUBRICANTS - ALL RAMMERS</b>						
HHM BIO OIL, 1 GALLON	ET1085					\$ 90.25
HHM BIO OIL, CASE, 4-1 GAL	ET1075					\$ 308.81
HHM BIO OIL, 5 GAL PAIL	ET1076					\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077					\$ 3785.47
<b>COLLETS, PUSHING ADAPTERS &amp; TAPERED SPACERS</b>						
TAPERED SPACER 5-1/8" MOLE	ET51300					\$ 866.92
TAPERED SPACER 7"	ET70243					\$ 900.00
PIPE POINT ASSEMBLY (THREADED)	ET40310					\$ 532.02
PUSHING ADAPTER FOR 4" STEEL PIPE	ET60252					\$ 1100.00
TAPERED SPACER 7"	ET70243					\$ 900.00
COLLETS, 4" PIPE (4" TOOL)	ET40307					\$ 947.99
COLLETS, 6" PIPE (4" TOOL)	ET40254					\$ 2282.28
COLLETS, 6" PIPE (5.75" TOOL)	ET60254					\$ 2060.00
COLLETS, 8" PIPE (5.75" TOOL)	ET60255					\$ 3620.00
COLLETS, 10" (5.75" TOOL)	ET60256					\$ 2570.00
COLLETS, 12" (5.75" TOOL)	ET60257					\$ 3520.00
COLLETS, 14" (7",8",12" & 16" TOOL)	ET80420					\$ 3920.00
COLLETS, 16" (7",8",12" & 16" TOOL)	ET80422					\$ 4660.00
COLLETS, 18" (8",12" & 16" TOOL)	ET80424					\$ 5180.00
COLLETS, 20" (8",12" & 16" TOOL)	ET80426					\$ 6320.00
COLLETS, 22" (8",12" & 16" TOOL)	ET80428					\$ 12570.00
COLLETS, 24" (8",12" & 16" TOOL)	ET80430					\$ 17770.00
COLLETS, 8" (7",8"&12" TOOL)	ET80431					\$ 1850.00
COLLETS, 10" (7",8" & 12" TOOL)	ET80432					\$ 2930.00
COLLETS, 12" (7",8",12" & 16" TOOL)	ET80433					\$ 3500.00
COLLETS 20" (20" TOOL)	ET200221					\$ 6720.00
COLLETS, 24" (20", 24" & 26" TOOL)	ET220253					\$ 15980.00
COLLETS 36" W/LIFTER (20", 24" & 26" TOOL)	ET220314	4				\$ 19230.00
COLLETS 36" (34" TOOL)	ET340090					\$ 32840.00
COLLETS 42" (34" TOOL)	ET340091					\$ 41930.00
COLLETS 48" (34" TOOL)	ET340092					\$ 54990.00
<b>CUSTOMER DIRECT</b>						
<b>Pipe Ramming System Rental Consumables</b>						

Pipe ramming and HDD Ram Assist rentals may require one or more of the following invoiceable consumables: oil, pipe pigs, soil shoes or

DESCRIPTION	PART NO.			MSRP
<b>COLLET LIFTERS</b>				
COLLET LIFTER 30", 36", 42", 48"	ET340371			\$ 1510.00
COLLET LIFTER 36"	ET340123			\$ 840.00
COLLET LIFTER 42"	ET340101			\$ 740.00
COLLET LIFTER 48"	ET340105			\$ 880.00
<b>PIPE COLLAR KITS</b>				
Installation Kit - 32" - 60" (Used to assist tool installation in 32 - 60" Pipe Collar Kits)	ET160247			\$ 2300.00
PIPE RAM COLLAR KIT - 36"	ET160235			\$ 33290.00
<b>CANOEES</b>				
EXTRACTION CRADLE, 16"	ET80800			\$ 28740.00
EXTRACTION CRADLE, 24"	ET340521			\$ 54530.00
EXTRACTION CRADLE, 36"	ET340522			\$ 95210.00
SHACKLE, 13.5 TON	ET80791			\$ 410.00
<b>DRIVE CONES</b>				
72" DRIVE CONE	ET340078			\$ 128560.00
<b>DRIVE CONE ACCESSORIES</b>				
LIFT SWIVEL, 15000LB	ET340066			\$ 1850.00
LIFT SWIVEL, 24000LB	ET340071			\$ 2430.00
LIFT SWIVEL, 30000LB	ET340079			\$ 2970.00
DRIVE CONE STRAPS, 54"	ET340085			\$ 290.00
DRIVE CONE STRAPS, 60"	ET340086			\$ 290.00
DRIVE CONE STRAPS, 66"	ET340087			\$ 350.00
DRIVE CONE STRAPS, 72"	ET340088			\$ 400.00
DRIVE CONE STRAPS, 84"	ET340089			\$ 460.00
BULL PIN	ET340125			\$ 26.00
KEY PLATE	ET340124			\$ 200.00
BLANK NUT	ET340126			\$ 6.30

## CUSTOMER DIRECT

### Pipe Ramming System Rental Consumables

Pipe ramming and HDD Ram Assist rentals may require one or more of the following invoiceable consumables: oil, pipe pigs, soil shoes or

DESCRIPTION	PART NO.			MSRP
<b>CINCH KITS</b>				
CINCH KIT ASSEMBLY 16" TOOL	ET160335			\$ 1680.00
CINCH KIT ASSEMBLY 20" TOOL	ET200235			\$ 2560.00
CINCH KIT, 24A	ET220515			\$ 6360.00
CINCH KIT, 26"	ET260023			\$ 7070.00
CHAIN 3/4" GRD 100 X 8' W/GRAB	ET340128			\$ 960.00
CHAIN 3/4" GRD 100 X 11' W/ GRAB	ET340129			\$ 1180.00
CHAIN 3/4" GR100 X 13' W/ GRAB	ET340130			\$ 1320.00
CINCH, CYLINDER KIT	ET340127			\$ 7160.00
CINCH, CONTROL STAND	ET340131			\$ 2910.00

## CUSTOMER DIRECT

### Pipe Ramming System Rental Consumables

Pipe ramming and HDD Ram Assist rentals may require one or more of the following invoiceable consumables: oil, pipe pigs, soil shoes or

DESCRIPTION	PART NO.			MSRP
<b>MISCELLANEOUS ACCESSORIES</b>				
WHIP CHECK	910-0007			\$ 60.50
HOSE BLOWOUT LINE ASSEMBLY	ET60408			\$ 570.00

## MINIMUM RECOMMENDED RAMMING HAMMER EQUIPMENT SELECTION CHART

KEY	A	5.75" (145 MM) SR
	B	7" (180 MM) AR
	C	8" (200 MM) AR
	D	12" (300 MM) AR
	E	16" (400 MM) AR
	F	20" (500 MM) AR
	G	24"/24A (600 MM) AR
	H	26" (660 MM) AR
	I	34" (846 MM) AR

## HDD ASSIST APPLICATIONS RAMMER RECOMMENDATIONS (REFER TO KEY ABOVE FOR HAMMER MODEL)

HAMMER MODEL	B	C	D	E	F	G	H
DRILL CLASS (PULLBACK)	24,000 LB	24,000-50,000 LB	33,000-80,000 LB	80,000 LB	80,000-150,000 LB	150,000 LB AND LARGER	
IMPACT FORCE*	92 TONS	126 TONS	372 TONS	548 TONS	950 TONS	1,030 TONS	

CUSTOMER DIRECT				
DESCRIPTION	PART #			MSRP

#### DOMESTIC

HydroGuide® HG375 Winch, Domestic Trailer Mount (Does not include cable or mast assembly)	941-0107			\$ 57,964.07
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HydroGuide® HG375AT Winch, Domestic, All Terrain Track Unit (Does not include cable or mast assembly)	941-0130			\$ 87,648.87
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#### Mast Options

Mast Assembly, SLU Cage, 5'	912-5720			\$ 9,170.00
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Mast Assembly, 10'	941-1053			\$ 3,530.00
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#### Gear Ratio Kit

Sprocket Ratio Kit, 5/16" Cable	941-6016			\$ 190.00
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#### Cable Options

5/16" Cable, 1,550 Feet	941-6004			\$ 5,900.00
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5/16" Cable, 2,050 Feet	941-6006			\$ 7,990.00
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5/16" Cable, 2,550 Feet	941-6005			\$ 9,620.00
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5/16" Cable, 3,300 Feet	941-6007			\$ 12,400.00
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#### ESID Kit

ESID KIT, HG375	912-5627			\$ 6,990.00
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#### DOMESTIC

HG1200 Winch (12 Ton Winch, complete w/ 2,000' cable, running gear, 18' down rigger)	912-6011			\$ 132,500.00
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HG1200AT Winch (All Terrain Track Unit) (12 Ton Winch, complete w/ 2,000' cable, running gear, 18' down rigger)	912-6012			\$ 158,500.00
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#### OPTIONAL EQUIPMENT/ACCESSORIES

5' MAST EXTENSION - HG12	912-4100			\$ 4,770.00
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KIT, HYDRAULIC STABILIZERS	912-6210			\$ 9,230.00
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LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
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MAST STOP, MULTI-USE - 5/8 CABLE	912-5603			\$ 190.00
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CABLE END REPLACEABLE FOR 5/8" CABLE	912-1126			\$ 350.00
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SLU KIT, HG12	912-5370			\$ 8,390.00
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#### ESID Kit

ESID KIT, HG1200	912-6017			\$ 7,610.00
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CUSTOMER DIRECT				
DESCRIPTION	PART #			MSRP

#### DOMESTIC

HG2200, DOM	941-6200			\$ 285,000.00
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HG2200AT, DOM	941-6202			\$ 355,000.00
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#### OPTIONAL EQUIPMENT/ACCESSORIES

CABLE, 7/8" X 2590'	941-7361			\$ 19,840.00
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LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
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MAST STOP, 7/8	912-5713			\$ 1,540.00
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#### ESID Kit

ESID KIT, HG2200	941-7603			\$ 8,310.00
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5.125" (130 mm) Bursting Hammer		Configurations and Pricing		
CUSTOMER DIRECT				
Front Mount Pneumatic Pipe Bursting System rentals may require one or more of the following invoiceable consumables: oil, shackles,				
DESCRIPTION	PART #			MSRP
HAMMER				
TOOL ASSY 5.125" PP BURST	ET51522			\$ 12,750.00
SHACKLES, SHACKLE MOUNTS, LINK BARS				
SHACKLE, 7 TON	911-0044			\$ 170.00
OILER, HOSES AND COUPLERS				
OILER, 5.125" PP BURSTING	ET1680			\$ 2,410.00
HOSE, OILER SUPPLY 1-1/4" X 100'	ET1045			\$ 1,130.00
HOSE, MOLE SPLY 1-1/4" X 50' (BURSTING)	ET1097			\$ 1,159.34
LUBRICANTS				
HHM OIL, 1 GAL	ET2202			\$ 40.07
HHM OIL, CASE, 4-1 GAL	ET30273			\$ 98.14
HHM OIL, 5 GAL PAIL	ET1041			\$ 129.69
HHM OIL, 55 GAL DRUM	ET1040			\$ 1,492.99
HHM BIO OIL, CASE, 4-1 GAL	ET1075			\$ 308.81
HHM BIO OIL, 5 GAL PAIL	ET1076			\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077			\$ 3,785.47
BURST HEADS				
BURSTING HEAD ASSEMBLY W/BLADES 6"	911-0611			\$ 4,390.00
BURST HEAD ASSEMBLY - BLADED 160MM PIPE	911-0602			\$ 4,750.00
BURS HEAD ASSEMBLY - BLADED 180MM	911-0702			\$ 5,480.00
BURST HEAD ASSEMBLY, 200MM SOLID	911-0850			\$ 4,910.00
PILOTS				
PILOT, 4" HOST PIPE, 5-1/8" TOOL	911-0630			\$ 920.00
PILOT, 6" HOST PIPE, 5-1/8" TO 8" TOOL	911-0823			\$ 550.00
PILOT, 8" HOST PIPE, 5-1/8" TO 8" TOOL	911-0839			\$ 1,500.00
WINCHES AND WINCH ACCESSORIES				
HG1200, DOM	912-6011			\$ 132,500.00
HG1200AT, DOM	912-6012			\$ 158,500.00
5' MAST EXTENSION - HG12	912-4100			\$ 4,770.00
KIT, HYDRAULIC STABILIZERS	912-6210			\$ 9,230.00
CABLE END REPLACEABLE FOR 5/8" CABLE	912-1126			\$ 350.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
ESID KIT, HG1200	912-6017			\$ 7,610.00
MAST STOP, MULTI-USE - 5/8 CABLE	912-5603			\$ 190.00
LUBRICATION SYSTEMS AND ACCESSORIES				
LUBE KIT	910-0866			\$ 140.00
HOSE ASSEMBLY 1/2" X 100'	914-0022			\$ 260.00
MISCELLANEOUS PARTS AND ACCESSORIES				
TAPERED SPACER 5-1/8" MOLE	ET51300			\$ 866.92
HOSE, EXTERNAL 5-1/8"	ET51230			\$ 380.00

5.75" (130 mm) Bursting Hammer	Configurations and Pricing
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CUSTOMER DIRECT
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Front Mount Pneumatic Pipe Bursting System rentals may require one or more of the following invoiceable consumables: oil, shackles,

DESCRIPTION	PART #			MSRP
<b>HAMMER</b>				
TOOL ASSY, 5.75" (145MM) SR	ET60222			\$ 18,173.98
<b>SHACKLES, SHACKLE MOUNTS, LINK BARS</b>				
SHACKLE, 7 TON	911-0044			\$ 170.00
SHACKLE MOUNT - 7 & 8 TOOLS	ET70244			\$ 270.00
<b>OILER, HOSES AND COUPLERS</b>				
5.125 & 5.75 SR TOOL OILER	ET1930			\$ 1,800.00
HOSE, OILER SUPPLY 1-1/4" X 100'	ET1045			\$ 1,130.00
HOSE, 1.25"X50', SJIC (F)	ET1030			\$ 1,340.00
FITTING, 24JIC X 24JIC MALE	ET1308			\$ 54.80
<b>LUBRICANTS</b>				
HHM OIL, 1 GAL	ET2202			\$ 40.07
HHM OIL, CASE, 4-1 GAL	ET30273			\$ 98.14
HHM OIL, 5 GAL PAIL	ET1041			\$ 129.69
HHM OIL, 55 GAL DRUM	ET1040			\$ 1,492.99
HHM BIO OIL, CASE, 4-1 GAL	ET1075			\$ 308.81

HHM BIO OIL, 5 GAL PAIL	ET1076			\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077			\$ 3,785.47
BURST HEADS				
BURS HEAD ASSEMBLY - BLADED 180MM	911-0702			\$ 5,480.00
BURST HEAD ASSEMBLY 8" IPS - SOLID	911-0845			\$ 6,500.00
BURST HEAD ASSEMBLY, 200MM SOLID	911-0850			\$ 4,910.00
BURST HEAD ASSEMBLY, 225MM SOLID	911-0908			\$ 7,910.00
BURST HEAD ASSEMBLY, 250MM SOLID	911-1016			\$ 9,180.00
PILOTS				
PILOT, 6" HOST PIPE, 5-1/8" TO 8" TOOL	911-0823			\$ 550.00
PILOT, 8" HOST PIPE, 5-1/8" TO 8" TOOL	911-0839			\$ 1,500.00
PILOT, 225 mm HOST PIPE, 5-3/4" TO 8" TOOL	911-0847			\$ 1,960.00
PILOT, 10" HOST PIPE, 5-3/4" TO 8" TOOL	911-1040			\$ 2,160.00
HDPE ADAPTERS				
ADAPTER, 180 mm X 6" DIPS	911-0631			\$ 3,460.00
WINCHES AND WINCH ACCESSORIES				
HG1200, DOM	912-6011			\$ 132,500.00
HG1200AT, DOM	912-6012			\$ 158,500.00
5' MAST EXTENSION - HG12	912-4100			\$ 4,770.00
KIT, HYDRAULIC STABILIZERS	912-6210			\$ 9,230.00
CABLE END REPLACEABLE FOR 5/8" CABLE	912-1126			\$ 350.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
ESID KIT, HG1200	912-6017			\$ 7,610.00
MAST STOP, MULTI-USE - 5/8 CABLE	912-5603			\$ 190.00
LUBRICATION SYSTEMS AND ACCESSORIES				
LUBE KIT	910-0866			\$ 140.00
HOSE ASSEMBLY 1/2" X 100'	914-0022			\$ 260.00
7.00" (180 mm) Bursting Hammer		Configurations and Pricing		
CUSTOMER DIRECT				

Front Mount Pneumatic Pipe Bursting System rentals may require one or more of the following invoiceable consumables: oil, shackles, shackle mounts, cable shackle mounts, lube kits, Hammerlinks, rear IPS adaptors and special pilots.

DESCRIPTION	PART #			MSRP
<b>HAMMER</b>				
TOOL ASSEMBLY, 7" AIR REVERSE BURSTING	ET70342			\$ 25,000.00
<b>SHACKLES, SHACKLE MOUNTS, LINK BARS</b>				
SHACKLE - 9.5 T	911-0028			\$ 180.00
SHACKLE MOUNT - 7 & 8 TOOLS	ET70244			\$ 270.00
SHACKLE MOUNT 7" & 8" DC	ET70340			\$ 270.00
<b>OILER, HOSES AND COUPLERS</b>				
7" & 8" AR OILER	ET1910			\$ 2,820.00
HOSE, OILER SUPPLY 1-1/4" X 100'	ET1045			\$ 1,130.00
HOSE, LAY FLAT 1-1/2" X 100 FT	ET1053			\$ 820.00
<b>LUBRICANTS</b>				
HHM OIL, 1 GAL	ET2202			\$ 40.07
HHM OIL, CASE, 4-1 GAL	ET30273			\$ 98.14
HHM OIL, 5 GAL PAIL	ET1041			\$ 129.69
HHM OIL, 55 GAL DRUM	ET1040			\$ 1,492.99
HHM BIO OIL, CASE, 4-1 GAL	ET1075			\$ 308.81
HHM BIO OIL, 5 GAL PAIL	ET1076			\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077			\$ 3,785.47
<b>BURST HEADS</b>				
BURST HEAD ASSEMBLY 8" IPS - SOLID	911-0845			\$ 6,500.00
BURST HEAD ASSY, 8" DIPS SOLID	911-0846			\$ 6,750.00
BURST HEAD ASSEMBLY, 10" IPS - SOLID	911-1035			\$ 8,500.00
BURST HEAD ASSEMBLY, 10" DIPS SOLID	911-1036			\$ 8,500.00
BURST HEAD ASSEMBLY, 225MM SOLID	911-0908			\$ 7,910.00
BURST HEAD ASSEMBLY, 250MM SOLID	911-1016			\$ 9,180.00
<b>PILOTS</b>				
PILOT, 6" HOST PIPE, 5-1/8" TO 8" TOOL	911-0823			\$ 550.00
PILOT, 8" HOST PIPE, 5-1/8" TO 8" TOOL	911-0839			\$ 1,500.00
PILOT, 10" HOST PIPE, 5-3/4" TO 8" TOOL	911-1040			\$ 2,160.00
PILOT, 8" HOST PIPE, 7 & 8" TOOL	911-0830			\$ 1,540.00
PILOT, 225 mm HOST PIPE, 5-1/8" TO 8" TOOL	911-0847			\$ 1,960.00
PILOT, 280 mm HOST PIPE, 7 & 8" TOOL	911-1041			\$ 2,820.00
<b>WINCHES AND WINCH ACCESSORIES</b>				

HG1200, DOM	912-6011			\$ 132,500.00
HG1200AT, DOM	912-6012			\$ 158,500.00
5' MAST EXTENSION - HG12	912-4100			\$ 4,770.00
KIT, HYDRAULIC STABILIZERS	912-6210			\$ 9,230.00
CABLE END REPLACEABLE FOR 5/8" CABLE	912-1126			\$ 350.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
ESID KIT, HG1200	912-6017			\$ 7,610.00
MAST STOP, MULTI-USE - 5/8 CABLE	912-5603			\$ 190.00

#### LUBRICATION SYSTEMS AND ACCESSORIES

LUBE KIT	910-0866			\$ 140.00
HOSE ASSEMBLY 1/2" X 100'	914-0022			\$ 260.00

### 8.00" (200 mm) Bursting Hammer

### Configurations and Pricing

#### CUSTOMER DIRECT

Front Mount Pneumatic Pipe Bursting System rentals may require one or more of the following invoiceable consumables: oil, shackles, shackle mounts, cable shackle mounts, lube kits, Hammerlinks, rear IPS adaptors and special pilots.

DESCRIPTION	PART #			MSRP
<b>HAMMER</b>				
TOOL ASSEMBLY, 8" AR BURST	ET80742			\$ 29,900.00
TOOL ASSEMBLY, 8" AR REAR MOUNT	ET80743			\$ 32,250.00
<b>SHACKLES, SHACKLE MOUNTS, LINK BARS</b>				
SHACKLE - 9.5 T	911-0028			\$ 180.00
SHACKLE MOUNT - 7 & 8 TOOLS	ET70244			\$ 270.00
SHACKLE MOUNT 7" & 8" DC	ET70340			\$ 270.00
<b>OILER, HOSES AND COUPLERS</b>				
7" & 8" AR OILER	ET1910			\$ 2,820.00
HOSE, OILER SUPPLY 1-1/4" X 100'	ET1045			\$ 1,130.00
HOSE, LAY FLAT 1-1/2" X 100 FT	ET1053			\$ 820.00
<b>LUBRICANTS</b>				
HHM OIL, 1 GAL	ET2202			\$ 40.07
HHM OIL, CASE, 4-1 GAL	ET30273			\$ 98.14
HHM OIL, 5 GAL PAIL	ET1041			\$ 129.69
HHM OIL, 55 GAL DRUM	ET1040			\$ 1,492.99
HHM BIO OIL, CASE, 4-1 GAL	ET1075			\$ 308.81
HHM BIO OIL, 5 GAL PAIL	ET1076			\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077			\$ 3,785.47
<b>BURST HEAD/TRACTOR HEAD</b>				
TRACTOR HEAD ASSEMBLY - 8" PIPE	911-0829			\$ 10,090.00
TRACTOR HEAD ASSEMBLY - 10" PIPE	911-1028			\$ 14,640.00
BURST HEAD ASSEMBLY, 10" IPS - SOLID	911-1035			\$ 8,500.00
BURST HEAD ASSEMBLY, 10" DIPS SOLID	911-1036			\$ 8,500.00
TRACTOR HEAD ASSEMBLY - 10" PIPE	911-1028			\$ 14,640.00
BURST HEAD, 12" IPS SOLID	911-1247			\$ 10,630.00
BURST HEAD ASSEMBLY, 12" DIPS SOLID	911-1248			\$ 10,240.00
BURST HEAD ASSY, 14" PIPE	911-1407			\$ 20,500.00
BURST HEAD ASSEMBLY, 250MM SOLID	911-1016			\$ 9,180.00
BURST HEAD ASSEMBLY, 315MM SOLID	911-1249			\$ 11,390.00
<b>PILOTS</b>				
PILOT, 6" HOST PIPE, 5-1/8" TO 8" TOOL	911-0823			\$ 550.00
PILOT, 8" HOST PIPE, 5-1/8" TO 8" TOOL	911-0839			\$ 1,500.00
PILOT, 8" HOST PIPE, 7 & 8" TOOL	911-0830			\$ 1,540.00
PILOT, 10" HOST PIPE, 5-3/4" TO 8" TOOL	911-1040			\$ 2,160.00
PILOT, 12" HOST PIPE, 8" TOOL	911-1250			\$ 2,850.00
PILOT, 14" HOST PIPE, 8" TO 16" TOOL	911-1420			\$ 2,960.00
PILOT, 225 mm HOST PIPE, 5-3/4" TO 8" TOOL	911-0847			\$ 1,960.00
PILOT, 280 mm HOST PIPE, 7" & 8" TOOL	911-1041			\$ 2,820.00
<b>HDPE ADAPTERS</b>				
ADAPTER, 8" X 8" DIPS	911-0852			\$ 510.00
ADAPTER, 8" X 10" IPS	911-0837			\$ 3,460.00
ADAPTER, 8" X 200 mm	911-0854			\$ 3,460.00
ADAPTER, 8" X 225 mm	911-0853			\$ 3,460.00
ADAPTER, 8" X 250 mm	911-1044			\$ 1,120.00

### 8.00" (200 mm) Bursting Hammer

### Configurations and Pricing

#### CUSTOMER DIRECT

#### WINCHES AND WINCH ACCESSORIES

HG1200, DOM	912-6011			\$ 132,500.00
HG1200AT, DOM	912-6012			\$ 158,500.00
5' MAST EXTENSION - HG12	912-4100			\$ 4,770.00
KIT, HYDRAULIC STABILIZERS	912-6210			\$ 9,230.00
CABLE END REPLACEABLE FOR 5/8" CABLE	912-1126			\$ 350.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
ESID KIT, HG1200	912-6017			\$ 7,610.00
MAST STOP, MULTI-USE - 5/8 CABLE	912-5603			\$ 190.00

#### LUBRICATION SYSTEMS AND ACCESSORIES

LUBE KIT	910-0866			\$ 140.00
HOSE ASSEMBLY 1/2" X 100'	914-0022			\$ 260.00

#### 12.00" (300 mm) Bursting Hammer

#### Configurations and Pricing

#### CUSTOMER DIRECT

Front Mount Pneumatic Pipe Bursting System rentals may require one or more of the following invoiceable consumables: oil, shackles, shackle mounts, cable shackle mounts, lube kits, Hammerlinks, rear IPS adaptors and special pilots.

DESCRIPTION	PART #			MSRP
<b>HAMMER</b>				
TOOL ASSEMBLY, 12" BURSTING	ET120122			\$ 68,500.00
TOOL ASSEMBLY 12" RMP	ET120322			\$ 75,000.00
<b>SHACKLES, SHACKLE MOUNTS, LINK BARS</b>				
HAMMERLINK ASSEMBLY 7/8"	911-0048			\$ 410.00
SHACKLE MOUNT 12" DC **FM TOOLS ONLY	ET120250			\$ 610.00
CABLE SHACKLE MOUNT 12"	ET120242			\$ 780.00
<b>OILER, HOSES AND COUPLERS</b>				
BURSTING OILER - 12"	ET1940			\$ 3,620.00
HOSE, LAY FLAT 2" X 100 FT	ET1054			\$ 1,080.00
HOSE, LAY FLAT 1-1/2" X 100 FT	ET1053			\$ 820.00
ADAPTER KIT, Y-2" - 12" TOOL	911-0052			\$ 2,440.00
CABLE ASSY, 12"/16" PULL BACK KIT	911-2427			\$ 530.00
<b>LUBRICANTS</b>				
ROCKDRILL OIL, 100, 5 GAL PAIL	910-0864			\$ 170.00
HMM BIO OIL, CASE, 4-1 GAL	ET1075			\$ 308.81
HMM BIO OIL, 5 GAL PAIL	ET1076			\$ 369.88
HMM BIO OIL, 55 GAL DRUM	ET1077			\$ 3,785.47
<b>BURST HEAD/TRACTOR HEAD/TAIPIECE PULLER</b>				
TRACTOR HEAD ASSEMBLY 12" PIPE	911-1221			\$ 12,880.00
TRACTOR HEAD ASSEMBLY - 14" PIPE	911-1425			\$ 16,700.00
TRACTOR HEAD ASSY - 16" PIPE	911-1610			\$ 22,310.00
BURST HEAD ASSY, 16" PIPE	911-1607			\$ 33,200.00
BURST HEAD ASSY, 18" PIPE	911-1808			\$ 27,580.00
TAIPIECE PULLER 315MM PIPE	ET120323			\$ 9,280.00
<b>PILOTS</b>				
PILOT, 8" HOST PIPE, 12" TOOL	911-0860			\$ 1,540.00
PILOT, 225 mm HOST PIPE LG, 12" TOOL	911-0855			\$ 2,160.00
PILOT, 10" HOST PIPE, 12" TOOL	911-1020			\$ 1,800.00
PILOT, 12" HOST PIPE, 12" & 16" TOOL	911-1230			\$ 2,490.00
PILOT, 14" HOST PIPE, 8" TO 16" TOOL	911-1420			\$ 2,960.00
PILOT, 15" HOST PIPE, 12" & 16" TOOL	911-1620			\$ 5,860.00
PILOT, 18" HOST PIPE, 12" & 16" TOOL	911-1820			\$ 6,550.00
<b>HDPE ADAPTERS</b>				
ADAPTER, 12" X 12" DIPS	911-1236			\$ 840.00
ADAPTER, 12" X 14" IPS	911-1428			\$ 720.00
ADAPTER, 12" X 14" DIPS	911-1429			\$ 720.00
ADAPTER, 18" X 16" DIPS	911-1833			\$ 2,580.00
ADAPTER, 12" X 315 mm	911-1251			\$ 3,480.00
ADAPTER, 16" X 400 mm	911-1627			\$ 3,480.00
ADAPTER, 18" X 450 mm	911-1834			\$ 3,480.00

#### 12.00" (300 mm) Bursting Hammer

#### Configurations and Pricing

#### CUSTOMER DIRECT

#### WINCHES AND WINCH ACCESSORIES

HG1200, DOM	912-6011			\$ 132,500.00
HG1200AT, DOM	912-6012			\$ 158,500.00
5' MAST EXTENSION - HG12	912-4100			\$ 4,770.00
KIT, HYDRAULIC STABILIZERS	912-6210			\$ 9,230.00



CABLE END REPLACEABLE FOR 5/8" CABLE	912-1126			\$ 350.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
ESID KIT, HG1200	912-6017			\$ 7,610.00
MAST STOP, MULTI-USE - 5/8 CABLE	912-5603			\$ 190.00
HG2200, DOM	941-6200			\$ 285,000.00
HG2200, SKID MOUNT, INT	941-6204			\$ 289,080.00
HG2200AT, DOM	941-6202			\$ 355,000.00
CABLE, 7/8" X 2590'	941-7361			\$ 19,840.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
MAST STOP, 7/8	912-5713			\$ 1,540.00
ESID KIT, HG2200	941-7603			\$ 8,310.00
<b>LUBRICATION SYSTEMS AND ACCESSORIES</b>				
LUBE KIT	910-0866			\$ 140.00
HOSE ASSEMBLY 1/2" X 100'	914-0022			\$ 260.00

## 16.00" (400 mm) Bursting Hammer

## Configurations and Pricing

### CUSTOMER DIRECT

Front Mount Pneumatic Pipe Bursting System rentals may require one or more of the following invoiceable consumables: oil, shackles, shackle mounts, cable shackle mounts, lube kits, Hammerlinks, rear IPS adaptors and special pilots.

DESCRIPTION	PART #			MSRP
<b>HAMMER</b>				
TOOL ASSEMBLY 16" RMP	ET160322			\$ 132,500.00
TOOL ASSEMBLY, 16" BURSTING	ET160122			\$ 125,000.00
<b>SHACKLES, SHACKLE MOUNTS, LINK BARS</b>				
HAMMERLINK ASSEMBLY 1.1	911-2458			\$ 850.00
LINK BAR	911-2431			\$ 1,770.00
CABLE SHACKLE MOUNT 16"	ET160340			\$ 1,780.00
<b>OILER, HOSES AND COUPLERS</b>				
BURSTING OILER, 16" TOOL	ET1955			\$ 5,200.00
HOSE, LAY FLAT 3" X 100 FT	ET1056			\$ 1,520.00
HOSE, LAY FLAT 2" X 100 FT	ET1054			\$ 1,080.00
ADAPTOR KIT, 16" Y	911-0065			\$ 2,310.00
CABLE ASSY, 12"/16" PULL BACK KIT	911-2427			\$ 530.00
<b>LUBRICANTS</b>				
ROCKDRILL OIL, 100, 5 GAL PAIL	910-0864			\$ 170.00
HHM BIO OIL, CASE, 4-1 GAL	ET1075			\$ 308.81
HHM BIO OIL, 5 GAL PAIL	ET1076			\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077			\$ 3,785.47
<b>BURST HEAD/TRACTOR HEAD/TAILOPIECE PULLER</b>				
TRACTOR HEAD ASSY - 16" PIPE	911-1610			\$ 22,310.00
TRACTOR HEAD ASSY - 18" PIPE	911-1819			\$ 26,810.00
BURST HEAD - 24" PIPE SOLID	911-2424			\$ 39,190.00
TAILOPIECE PULLER 400MM	ET160344			\$ 13,060.00
<b>PILOTS</b>				
PILOT, 10" HOST PIPE, 16" TOOL	911-1025			\$ 1,470.00
PILOT, 12" HOST PIPE, 12" & 16" TOOL	911-1230			\$ 2,490.00
PILOT, 14" HOST PIPE, 8" TO 16" TOOL	911-1420			\$ 2,960.00
PILOT, 15" HOST PIPE, 12" & 16" TOOL	911-1620			\$ 5,860.00
PILOT, 18" HOST PIPE, 12" & 16" TOOL	911-1820			\$ 6,550.00
PILOT, 21" HOST PIPE, 16" & 20" TOOL	911-2420			\$ 17,820.00
<b>HDPE ADAPTERS</b>				
ADAPTER, 16" TO 16" DIPS	911-1626			\$ 1,370.00
ADAPTER, 16" TO 18" IPS	911-1825			\$ 1,150.00
ADAPTER, 22" TO 20" DIPS	911-2215			\$ 3,390.00
ADAPTER, 16" TO 400 mm	911-1627			\$ 3,480.00
ADAPTER, 16" TO 450 mm	911-1824			\$ 3,480.00
ADAPTER, 20" TO 500 mm	911-2025			\$ 3,480.00
<b>WINCHES AND WINCH ACCESSORIES</b>				
HG2200, DOM	941-6200			\$ 285,000.00
HG2200, SKID MOUNT, INT	941-6204			\$ 289,080.00
HG2200AT, DOM	941-6202			\$ 355,000.00
CABLE, 7/8" X 2590'	941-7361			\$ 19,840.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
MAST STOP, 7/8	912-5713			\$ 1,540.00
ESID KIT, HG2200	941-7603			\$ 8,310.00

LUBRICATION SYSTEMS AND ACCESSORIES				
16.00" (400 mm) Bursting Hammer		Configurations and Pricing		
CUSTOMER DIRECT				
LUBE KIT	910-0866			\$ 140.00
HOSE ASSEMBLY 1/2" X 100'	914-0022			\$ 260.00
20.00" (500 mm) Bursting Hammer		Configurations and Pricing		
CUSTOMER DIRECT				

Front Mount Pneumatic Pipe Bursting System rentals may require one or more of the following invoiceable consumables: oil, shackles, shackle mounts, cable shackle mounts, lube kits, Hammerlinks, rear IPS adaptors and special pilots.

DESCRIPTION	PART #			MSRP
HAMMER				
TOOL ASSEMBLY 20" RMP	ET200122			\$ 242,500.00
TOOL ASSEMBLY 20" BURSTING	ET200322			\$ 240,546.85
SHACKLES, SHACKLE MOUNTS, LINK BARS				
LINK BAR	911-2431			\$ 1,770.00
HAMMERLINK ASSEMBLY 1.1	911-2458			\$ 850.00
TOOL CABLE STUD ASSY 20 TO 26" TOOLS	ET200250			\$ 3,320.00
OILER, HOSES AND COUPLERS				
BURSTING OILER - 20" TOOL	ET1985			\$ 6,320.00
HOSE, LAY FLAT 2-1/2" X 100 FT	ET1055			\$ 1,490.00
HOSE, LAY FLAT 2" X 100 FT	ET1054			\$ 1,080.00
LUBRICANTS				
ROCKDRILL OIL, 100, 5 GAL PAIL	910-0864			\$ 170.00
HHM BIO OIL, CASE, 4-1 GAL	ET1075			\$ 308.81
HHM BIO OIL, 5 GAL PAIL	ET1076			\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077			\$ 3,785.47
BURST HEAD/TRACTOR HEAD/TAILOPIECE PULLER				
TRACTOR HEAD ASSEMBLY - 20" PIPE	911-2016			\$ 43,010.00
TRACTOR HEAD ASSEMBLY - 22" PIPE	911-2210			\$ 47,070.00
TRACTOR HEAD ASSEMBLY - 24" PIPE	911-2410			\$ 53,560.00
BURST HEAD ASSY, 28" IPS	911-2803			\$ 61,090.00
BURST HEAD ASSY, 30" IPS	911-2903			\$ 77,190.00
PILOTS				
PILOT, 15" HOST PIPE, 20" TOOL	911-2019			\$ 13,660.00
PILOT, 18" HOST PIPE, 20" TOOL	911-2415			\$ 16,300.00
PILOT, 21" HOST PIPE, 16" & 20" TOOL	911-2420			\$ 17,820.00
HDPE ADAPTERS				
ADAPTER, 22" X 20" IPS	911-2211			\$ 1,890.00
ADAPTER, 20" X 500 mm	911-2025			\$ 3,480.00
WINCHES AND WINCH ACCESSORIES				
HG2200, DOM	941-6200			\$ 285,000.00
HG2200, SKID MOUNT, INT	941-6204			\$ 289,080.00
HG2200AT, DOM	941-6202			\$ 355,000.00
CABLE, 7/8" X 2590'	941-7361			\$ 19,840.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
MAST STOP, 7/8	912-5713			\$ 1,540.00
ESID KIT, HG2200	941-7603			\$ 8,310.00
LUBRICATION SYSTEMS AND ACCESSORIES				
LUBE KIT	910-0866			\$ 140.00
HOSE ASSEMBLY 1/2" X 100'	914-0022			\$ 260.00
26.00" (660 mm) Bursting Hammer	Configurations and Pricing			
CUSTOMER DIRECT				

Front Mount Pneumatic Pipe Bursting System rentals may require one or more of the following invoiceable consumables: oil, shackles, shackle mounts, cable shackle mounts, lube kits, Hammerlinks, rear IPS adaptors and special pilots.

DESCRIPTION	PART #			MSRP
HAMMER				
TOOL ASSY, 26" REAR MOUNT	ET260122			\$ 369,990.00
TOOL ASSY, 26" BURSTING	ET260222			\$ 350,000.00
TAILOPIECE PULLER, 26"	ET220723			\$ 25,370.00
SHACKLES, SHACKLE MOUNTS, LINK BARS				
HAMMERLINK ASSEMBLY 1.1	911-2458			\$ 850.00
LINK BAR	911-2431			\$ 1,770.00
TOOL CABLE STUD ASSY 20 TO 26" TOOLS	ET200250			\$ 3,320.00

<b>OILER, HOSES AND COUPLERS</b>				
OILER, 26" BURSTING	ET1220			\$ 9,460.00
HOSE, LAY FLAT 2-1/2" X 100 FT	ET1055			\$ 1,490.00
<b>LUBRICANTS</b>				
ROCKDRILL OIL, 100, 5 GAL PAIL	910-0864			\$ 170.00
HHM BIO OIL, CASE, 4-1 GAL	ET1075			\$ 308.81
HHM BIO OIL, 5 GAL PAIL	ET1076			\$ 369.88
HHM BIO OIL, 55 GAL DRUM	ET1077			\$ 3,785.47
<b>BURST HEAD/TRACTOR HEAD/TAIPIECE PULLER</b>				
BURST HEAD ASSY, 30" PIPE	911-2903			\$ 77,190.00
BURST HEAD ASSY, 32" PIPE	911-2932			\$ 84,720.00
BURST HEAD ASSY, 34" PIPE	911-2934			\$ 90,850.00
BURST HEAD ASSY, 36" PIPE	911-2936			\$ 93,390.00
BURST HEAD ASSY, 42" IPS PIPE	911-2942			\$ 131,790.00
TRACTOR HEAD, WELDMENT, 36" PIPE	911-2946			\$ 48,120.00
WELDMENT, TRACTOR HEAD, 26" PIPE	911-2610			\$ 43,730.00
<b>WINCHES AND WINCH ACCESSORIES</b>				
HG2200, DOM	941-6200			\$ 285,000.00
HG2200, SKID MOUNT, INT	941-6204			\$ 289,080.00
HG2200AT, DOM	941-6202			\$ 355,000.00
CABLE, 7/8" X 2590'	941-7361			\$ 19,840.00
LUBRICANT, OPEN GEAR (SPRAY CAN)	912-3367			\$ 24.70
MAST STOP, 7/8	912-5713			\$ 1,540.00
ESID KIT, HG2200	941-7603			\$ 8,310.00
<b>LUBRICATION SYSTEMS AND ACCESSORIES</b>				
LUBE KIT	910-0866			\$ 140.00
HOSE ASSEMBLY 1/2" X 100'	914-0022			\$ 260.00

**CUSTOMER DIRECT****HYDROBURST® HB5058 RENTAL CONSUMABLES**

*Hydroburst Static Pipe Bursting System rentals may require one or more of the following invoiceable consumables: copper coal, fuse or piners, special adapters, special burst heads, or special slitters.*

DESCRIPTION	PART NO.	MSRP
<b>HYDROBURST® HB5058 MAIN SYSTEM COMPONENTS</b>		
<b>Domestic Systems</b>		
HB5058 Extraction Cage included	913-5232	\$ 32,500.00
<b>Power Packs</b>		
HB3000 Assembly (DOM)	933-0100	\$ 31,000.00
<b>Extraction Cages</b>		
CAGE, HB5058	913-5406	\$ 2,500.00
<b>Other</b>		
ROD BOX WITH ROD, HB5058 (50 RODS)	913-5003	\$ 15,140.00
STANDARD ACCESSORY KIT, HB5058	913-4276	\$ 1,010.00
DRILL ROD COMPOUND	913-8778	\$ 210.00

**CUSTOMER DIRECT****EXPANDER RODS**

EXPANDER ROD ASSEMBLY-LONG	913-4273	\$ 1,890.00
EXPANDER ROD ASSY,4-8"	913-4271	\$ 4,190.00

**ADAPTERS, , TRAILING PIVOT ROD ASSEMBLY, NON-BLADED STARTER ROD, ROD, BLADE SETS**

ROD, STARTER	913-5030	\$ 1,010.00
TRAILING PIVOT ROD ASSEMBLY-01.00 PIN	913-4284	\$ 3,350.00
Rod Adapter	913-3403	\$ 270.00
Rod, 2" x 1.0m 6-TPI	913-5010	\$ 310.00
blade, 3" & 4" Pipe	913-5004	\$ 1,500.00
Blade, 6" Pipe	934-5005	\$ 1,790.00

**DUCTILE SLITTER ASSEMBLIES**

DUCTILE SLITTER ASSEMBLY-2"	913-3420	\$ 5,700.00
DUCTILE SLITTER ASSEMBLY-4"	913-4216	\$ 8,400.00
DUCTILE SLITTER ASSEMBLY-6"	913-4224	\$ 9,330.00
DUCTILE SLITTER ASSEMBLY-8"	913-4226	\$13,740.00

**CUSTOMER DIRECT****EXPANDERS**

*(Note: Expander selection based on OD of pipe being installed. Expander OD must be 20 - 25% larger than the OD of the pipe being installed [Formula: New Pipe OD x 1.2 = Minimum Expander OD])*

DESCRIPTION	NEW NOMINAL PIPE SIZE	NEW PIPE OD	EXPANDER OD in (mm)	EXPANDER ID in (mm)	PART NO.	MSRP
<b>IPS Pipe Sizes</b>						
Expander - 75-90mm Expander	3.00 in	3.5 in	4.50 (114.3)		913-3096	\$ 640.00
4" IPS/4" DIPS/125 mm Expander	4.00 in	4.50 in	6.0 (152)	5.50 (140)	913-3019	\$ 980.00
6" IPS/6" DIPS/180 mm Expander	6.00 in	6.63 in	8.63 (219)	8.0 (203)	913-3010	\$ 1,090.00
8" IPS/225 mm Expander	8.00 in	8.63 in	10.50 (267)	9.75 (248)	913-8831	\$ 4,720.00
<b>DIPS Pipe Sizes</b>						
4" IPS/4" DIPS/125 mm Expander	4.00 in	4.80 in	6.0 (152)	5.50 (140)	913-3019	\$ 980.00
6" IPS/6" DIPS/180 mm Expander	6.00 in	6.63 in	8.63 (219)	8.0 (203)	913-3010	\$ 1,090.00
8" DIPS Expander	8.00 in	9.05 in	10.75 (273)	10.00 (254)	913-8824	\$ 4,720.00
<b>Metric Pipe Sizes</b>						
4" IPS/4" DIPS/125 mm Expander	125 mm	125 mm	6.0 (152)	5.50 (140)	913-3019	\$ 980.00
Expander 160mm	160 mm	160 mm	7.5 (190.5)	6.75 (171.45)	913-3016	\$ 920.00
6" IPS/6" DIPS/180 mm Expander	180 mm	180 mm	8.63 (219)	8.0 (203)	913-3010	\$ 1,090.00
200 mm Expander	200 mm	200 mm	9.5 (241)	8.75 (222)	913-8834	\$ 4,040.00
8" IPS/225 mm Expander	225 mm	225 mm	10.50 (267)	9.75 (248)	913-8831	\$ 4,720.00

**CUSTOMER DIRECT**

**HDPE FUSE ON PULLERS**

*Fuse on pullers are recommended for all pipe bursting jobs including sewer and water main replacement where HDPE pipe is being installed. Optional expandable taper style pullers are available in limited sizes. Contact factory for puller requirements for pipes other than*

DESCRIPTION	NEW NOMINAL PIPE SIZE	NEW PIPE OD	PART NO.	DDC	DLR PRICE	MSRP
<b>IPS Pipe Sizes</b>						
4" Fuse-On Puller Assembly (IPS), Medium Eye	4.00 in	4.50 in	913-9904			\$ 440.00
6" Fuse-On Puller Assembly (IPS), Medium Eye	6.00 in	6.63 in	913-9978			\$ 1,530.00
8" Fuse-On Puller Assembly (IPS), Medium Eye	8.00 in	8.62in	913-9980			\$ 1,870.00
<b>DIPS Pipe Sizes</b>						
4" Fuse-On Puller Assembly (DIPS), Medium Eye	4.00 in	4.80 in	913-9905			\$ 460.00
6" Fuse-On Puller Assembly (DIPS), Medium Eye	6.00 in	6.90 in	913-9979			\$ 1,780.00
8" Fuse-On Puller Assembly (DIPS), Medium Eye	8.00 in	9.05 in	913-9981			\$ 1,710.00
<b>Metric Pipe Sizes</b>						
125 mm Fuse-On Puller Assembly, Medium Eye	125 mm	125 mm	913-4039			\$ 1,930.00
160 mm Fuse-On Puller Assembly, Medium Eye	160 mm	160 mm	913-4041			\$ 1,820.00
180 mm Fuse-On Puller Assembly, Medium Eye	180 mm	180 mm	913-4042			\$ 1,920.00
200 mm Fuse-On Puller Assembly, Medium Eye	200 mm	200 mm	913-4043			\$ 2,120.00
225 mm Fuse-On Puller Assembly, Medium Eye	225 mm	225 mm	913-4045			\$ 2,340.00

**CUSTOMER DIRECT****HYDROBURST® 100XTR RENTAL CONSUMABLES**

*100XTR Static Pipe Bursting System rentals may require one or more of the following invoiceable consumables: copper coat, fuse on pullers, special adapters, special burst heads, or special slitters.*

DESCRIPTION	PART NO.	MSRP
<b>HYDROBURST® 100XTR MAIN SYSTEM COMPONENTS</b>		
<b>Domestic Systems</b>		
100XTR (DOM)	923-4001	\$ 200,000.00
<b>Power Packs</b>		
HB4500XT ASSEMBLY (DOM)	933-0903	\$ 108,000.00
<b>Extraction Cages</b>		
CAGE, 100XT	923-1885	\$ 3,950.00
<b>Other</b>		
ROD BOX WITH ROD, 100XT (47 RODS)	923-1750	\$ 33,000.00
STANDARD ACCESSORY KIT, 100XT	923-6512	\$ 11,000.00
FLEX JOINT, 100XT	923-6504	\$ 6,990.00
ROD, PILOT, 100XT	923-6505	\$ 550.00
PIN-1.50	913-4204	\$ 81.40
PLIERS, INTERNAL RETAINING RING, .070	913-4255	\$ 98.50
RETAINING RINGS - 1.5 BORE (PACKAGE 25)	913-4280	\$ 90.20
ADAPTER, HB125(F) X 100XT(M)	923-6506	\$ 680.00
PIN, EXTRACTION-01.50	913-4298	\$ 490.00
ADAPTER, 100XT(F) X 100XT(F)	923-6510	\$ 630.00
DRILL ROD COMPOUND	913-8778	\$ 210.00
<b>CUSTOMER DIRECT</b>		
<b>PILOTS</b>		
PIPE PILOT, 4" HOST PIPE - 4X4 & 4X6	913-4114	\$ 2,030.00
PIPE PILOT, 4" HOST PIPE - 4X8 & 4X10	913-4115	\$ 2,840.00
PIPE PILOT, 6" HOST PIPE - 6X6 & 6X8	913-4117	\$ 1,620.00
PIPE PILOT, 6" HOST PIPE - 6X10	913-4100	\$ 2,260.00
PIPE PILOT, 6" HOST PIPE - 6X12	913-4118	\$ 2,760.00
PIPE PILOT, 8" HOST PIPE - 8X8 & 8X10	913-4101	\$ 2,290.00
PIPE PILOT, 8" HOST PIPE - 8X12	913-4102	\$ 3,610.00
PIPE PILOT, 10" HOST PIPE - 10X10	913-4104	\$ 2,390.00
PIPE PILOT, 10" HOST- 10X12 & 10X14	913-4105	\$ 3,320.00
PIPE PILOT, 12" HOST-12X12 & 12X14	913-4107	\$ 2,970.00
PIPE PILOT, 15" HOST- 15X16 & 15X18	913-4109	\$ 3,900.00
PIPE PILOT, 18" HOST - 18X18 & 18X20	913-4110	\$ 4,280.00
PIPE PILOT, 20" HOST- 20X20 & 20X22	913-4111	\$ 4,280.00
<b>EXPANDER RODS</b>		
EXPANDER ROD ASSY,4-6" HB125 PIN JOINT	913-9840	\$ 3,350.00
EXPANDER ROD ASSEMBLY - HB125 SHORT	913-8885	\$ 3,030.00

ADAPTERS, FLEX JOINTS, ROD PILOTS, RODS								
HB125 PJF X HB125 PIN	913-7832							\$ 1,630.00
TRAILING PIVOT ROD ASSEMBLY-01.50 PIN	913-4282							\$ 3,770.00
ROD, 100XT	923-0020							\$ 830.00
PIN-HB125	913-7779							\$ 160.00
SOCKET, IMPACT 14MM HEX BIT	913-7841							\$ 44.40
FLEX JOINT, 100XT	923-6504							\$ 6,990.00
ADAPTER, HB80 (F) X HB80 (F) *N/C*	913-8468							\$ 590.00
ROD, PILOT, 100XT	923-6505							\$ 550.00
ADAPTER, 100XT(F) X 100XT(F)	923-6510							\$ 630.00
DUCTILE SLITTER ASSEMBLIES								
DUCTILE SLITTER ASSEMBLY-4"	913-4381							\$ 11,890.00
DUCTILE SLITTER ASSEMBLY-6"	913-4214							\$ 12,810.00
DUCTILE SLITTER ASSEMBLY-8"	913-4213							\$ 16,740.00
DUCTILE SLITTER ASSEMBLY-10"	913-4228							\$ 16,430.00
DUCTILE SLITTER ASSEMBLY-12"	913-4232							\$ 19,510.00
CUSTOMER DIRECT								
EXPANDERS								
(Note: Expander selection based on OD of pipe being installed. Expander OD must be 20 - 25% larger than the OD of the pipe being installed [Formula: New Pipe OD x 1.2 = Minimum Expander OD])								
DESCRIPTION	NEW NOMINAL PIPE SIZE	NEW PIPE OD	EXPANDER OD in (mm)	EXPANDER ID in (mm)	PART NO.			MSRP
IPS Pipe Sizes								
4" IPS/4" DIPS/125 mm Expander	4.00 in	4.50 in	6.0 (152)	5.50 (140)	913-3019			\$ 980.00
6" IPS/6" DIPS/180 mm Expander	6.00 in	6.63 in	8.63 (219)	8.0 (203)	913-3010			\$ 1,090.00
8" IPS/225 mm Expander	8.00 in	8.63 in	10.50 (267)	9.75 (248)	913-8831			\$ 4,720.00
10" IPS Expander	10.00 in	10.75 in	12.75 (324)	12.00 (305)	913-8816			\$ 5,900.00
12" IPS Expander	12.00 in	12.75 in	15.30 (389)	14.55 (370)	931-6876			\$ 7,150.00
14"/355 mm IPS Expander	14.00 in	14.00 in	16.80 (427)	16.05 (408)	913-8797			\$ 7,230.00
16" IPS Expander	16.00 in	16.00 in	19.20 (488)	18.45 (469)	913-8837			\$ 7,650.00
18" IPS Expander	18.00 in	18.00 in	21.60 (549)	20.85 (530)	913-8843			\$ 9,380.00
DIPS Pipe Sizes								
4" IPS/4" DIPS/125 mm Expander	4.00 in	4.80 in	6.0 (152)	5.50 (140)	913-3019			\$ 980.00
6" IPS/6" DIPS/180 mm Expander	6.00 in	6.63 in	8.63 (219)	8.0 (203)	913-3010			\$ 1,090.00
8" DIPS Expander	8.00 in	9.05 in	10.75 (273)	10.00 (254)	913-8824			\$ 4,720.00
10" DIPS/280 mm Expander	10.00 in	11.10 in	13.32 (338)	12.57 (319)	913-8812			\$ 5,630.00
12" DIPS Expander	12.00 in	13.20 in	16.00 (406)	15.25 (387)	931-6877			\$ 8,320.00
14" DIPS Expander	14.00 in	15.30 in	18.36 (466)	17.61 (447)	913-8793			\$ 7,230.00
16" DIPS Expander	16.00 in	17.40 in	20.88 (530)	20.13 (511)	913-8840			\$ 7,650.00
Metric Pipe Sizes								
4" IPS/4" DIPS/125 mm Expander	125 mm	125 mm	6.0 (152)	5.50 (140)	913-3019			\$ 980.00
6" IPS/6" DIPS/180 mm Expander	180 mm	180 mm	8.63 (219)	8.0 (203)	913-3010			\$ 1,090.00
200 mm Expander	200 mm	200 mm	9.5 (241)	8.75 (222)	913-8834			\$ 4,040.00
8" IPS/225 mm Expander	225 mm	225 mm	10.50 (267)	9.75 (248)	913-8831			\$ 4,720.00
250 mm Expander	250 mm	250 mm	11.75 (298)	11.0 (279)	913-8820			\$ 5,080.00
10" DIPS/280 mm Expander	280 mm	280 mm	13.32 (338)	12.57 (319)	913-8812			\$ 5,630.00
315 mm Expander	315 mm	315 mm	14.88 (378)	14.13 (359)	931-6871			\$ 7,610.00
14"/355 mm IPS Expander	355 mm	355 mm	16.80 (427)	16.05 (408)	913-8797			\$ 7,230.00
400 mm Expander	400 mm	400 mm	18.90 (480)	18.15 (461)	913-8790			\$ 10,580.00
450 mm Expander	450 mm	450 mm	21.26 (540)	20.51 (521)	913-8786			\$ 8,670.00
*Requires 30 day lead time!								
CUSTOMER DIRECT								
HDPE FUSE ON PULLERS								
Fuse on pullers are recommended for all pipe bursting jobs including sewer and water main replacement where HDPE pipe is being installed. Optional expandable taper style pullers are available in limited sizes. Contact factory for puller requirements for pipes other than HDPE. Custom fuse on pullers can be made to suit.								
DESCRIPTION	NEW NOMINAL PIPE SIZE	NEW PIPE OD	PART NO.	DDC	DLR PRICE			MSRP
IPS Pipe Sizes								

4" Fuse-On Puller Assembly (IPS), Medium Eye	4.00 in	4.50 in	913-9904		\$ 440.00
5" Fuse-On Puller Assembly (IPS), Medium Eye	5.00 in	5.563 in	913-9977		\$ 1,530.00
6" Fuse-On Puller Assembly (IPS), Medium Eye	6.00 in	6.63 in	913-9978		\$ 1,530.00
8" Fuse-On Puller Assembly (IPS), Medium Eye	8.00 in		913-9980		\$ 1,870.00
8" Fuse-On Puller Assembly (IPS), Large Eye	8.00 in	8.63 in	913-9918		\$ 1,800.00
10" Fuse-On Puller Assembly (IPS), Large Eye	10.00 in	10.75 in	913-9925		\$ 4,381.50
12" Fuse-On Puller Assembly (IPS), Large Eye	12.00 in	12.75 in	913-9932		\$ 3,020.00
14" Fuse-On Puller Assembly (IPS), Large Eye	14.00 in	14.00 in	913-9939		\$ 3,280.00
16" Fuse-On Puller Assembly (IPS), Large Eye	16.00 in	16.00 in	913-9946		\$ 4,950.00
18" Fuse-On Puller Assembly (IPS), Large Eye	18.00 in	18.00 in	913-9953		\$ 5,860.00

#### DIPS Pipe Sizes

4" Fuse-On Puller Assembly (DIPS), Medium Eye	4.00 in	4.80 in	913-9905		\$ 460.00
6" Fuse-On Puller Assembly (DIPS), Medium Eye	6.00 in	6.90 in	913-9979		\$ 1,780.00
8" Fuse-On Puller Assembly (DIPS), Large Eye	8.00 in	9.05 in	913-9921		\$ 1,780.00
10" Fuse-On Puller Assembly (DIPS), Large Eye	10.00 in	11.10 in	913-9928		\$ 2,310.00
12" Fuse-On Puller Assembly (DIPS), Large Eye	12.00 in	13.20 in	913-9935		\$ 2,980.00
14" Fuse-On Puller Assembly (DIPS), Large Eye	14.00 in	15.30 in	913-9942		\$ 3,280.00
16" Fuse-On Puller Assembly (DIPS), Large Eye	16.00 in	17.40 in	913-9949		\$ 4,830.00

#### Metric Pipe Sizes

125 mm Fuse-On Puller Assembly, Medium Eye	125 mm	125 mm	913-4039		\$ 1,930.00
140 mm Fuse-On Puller Assembly, Medium Eye	140 mm	140 mm	913-4040		\$ 1,730.00
160 mm Fuse-On Puller Assembly, Medium Eye	160 mm	160 mm	913-4041		\$ 1,820.00
180 mm Fuse-On Puller Assembly, Medium Eye	180 mm	180 mm	913-4042		\$ 1,920.00
200 mm Fuse-On Puller Assembly, Large Eye	200 mm	200 mm	913-4044		\$ 2,120.00
225 mm Fuse-On Puller Assembly, Large Eye	225 mm	225 mm	913-4046		\$ 2,200.00
250 mm Fuse-On Puller Assembly, Large Eye	250 mm	250 mm	913-4048		\$ 2,480.00
280 mm Fuse-On Puller Assembly, Large Eye	280 mm	280 mm	913-4050		\$ 2,410.00
315 mm Fuse-On Puller Assembly, Large Eye	315 mm	315 mm	913-4052		\$ 2,960.00
355 mm Fuse-On Puller Assembly, Large Eye	355 mm	355 mm	913-4053		\$ 3,510.00
400 mm Fuse-On Puller Assembly, Large Eye	400 mm	400 mm	913-4054		\$ 4,960.00
450 mm Fuse-On Puller Assembly, Large Eye	450 mm	450 mm	913-4055		\$ 6,870.00
500 mm Fuse-On Puller Assembly, Large Eye	500 mm	500 mm	913-4056		\$ 6,920.00
560 mm Fuse-On Puller Assembly, Large Eye	560 mm	560 mm	913-4057		\$ 9,590.00
630 mm Fuse-On Puller Assembly, Large Eye	630 mm	630 mm	913-4058		\$ 10,420.00

### CUSTOMER DIRECT

#### HYDROBURST® 100XTR RENTAL CONSUMABLES

100XTR Static Pipe Bursting System rentals may require one or more of the following invoiceable consumables: copper coat, fuse on pullers, special adapters, special burst heads, or special slitters.

#### EXPANDABLE TAPER STYLE PULLERS

DESCRIPTION	NEW PIPE TYPE	NEW NOMINAL PIPE SIZE	SDR RANGE	PART NO.	MSRP
<b>IPS Pipe Sizes</b>					
8" Sleeveless Pipe Puller (IPS)	IPS	8.00 in	15.5-21	902-0801	\$ 2,671.99
12" Sleeveless Pipe Puller (IPS)	IPS	12.00 in	11-32.5	902-1201	\$ 3,877.58

#### Metric Pipe Sizes

200 mm Sleeveless Pipe Puller (Metric)	Metric	200 mm	15.5-21	902-0820	\$ 2,703.04
315 mm Sleeveless Pipe Puller (Metric)	Metric	315 mm	11-32.5	902-1201	\$ 3,877.58

### CUSTOMER DIRECT

#### HYDROBURST® HB175 RENTAL CONSUMABLES

HydroBurst® HB175 Static Pipe Bursting System rentals may require one or more of the following invoiceable consumables: copper coat, fuse on pullers, special adapters, special burst heads, or special slitters.

DESCRIPTION	PART NO.	MSRP
<b>HYDROBURST® HB175 MAIN SYSTEM COMPONENTS</b>		
HB175 ASSEMBLY (DOM)	931-7203	\$ 295,000.00
PP4500T4 ASSEMBLY (DOM)	933-0903	\$ 108,000.00
ROD BOX W/ 31 RODS (100") HB160	931-0010	\$ 26,040.00
HB125 CAGE ASSEMBLY	913-8755	\$ 14,140.00
DRILL ROD COMPOUND	913-8778	\$ 210.00
STANDARD ASSESSORY KIT, HB175	931-6575	\$ 11,840.00
ROD, PILOT - HB175	931-6506	\$ 1,010.00
FLEX JOINT, HB175	931-6591	\$ 7,180.00
PIN, HB175 - 2.50"	931-6582	\$ 150.00
RING, RETAINING 2.00	931-6535	\$ 8.80
RING, RETAINING - 2.50"	931-6578	\$ 30.00
PIN, EXTRACTION - 2.50"	931-6576	\$ 400.00



INSTALL CLEVIS ASSEMBLY - HB175					931-6577			\$ 1,010.00
DESCRIPTION					PART NO.			MSRP
PILOTS								
PIPE PILOT, 8" HOST PIPE - 8X12					913-4102			\$ 3,610.00
PIPE PILOT, 8" HOST PIPE - 8X14					913-4103			\$ 3,540.00
PIPE PILOT, 8" HOST PIPE - 8X16					913-4119			\$ 3,730.00
PIPE PILOT, 8" X 12" - 175XT					931-6904			\$ 7,520.00
PIPE PILOT, 10" HOST- 10X12 & 10X14					913-4105			\$ 3,320.00
PIPE PILOT, 10" HOST PIPE - 10X16					913-4106			\$ 3,570.00
PIPE PILOT, 12" HOST-12X12 & 12X14					913-4107			\$ 2,970.00
PIPE PILOT, 12" HOST PIPE - 12X16					913-4108			\$ 3,890.00
PIPE PILOT, 14" HOST PIPE 14X16 & 14X18					913-4170			\$ 6,370.00
PIPE PILOT, 15" HOST- 15X16 & 15X18					913-4109			\$ 3,900.00
PIPE PILOT, 18" HOST - 18X18 & 18X20					913-4110			\$ 4,280.00
PIPE PILOT, 20" HOST- 20X20 & 20X22					913-4111			\$ 4,280.00
PIPE PILOT, 21" HOST PIPE - 21X22					913-4112			\$ 5,350.00
PIPE PILOT, 24" HOST PIPE - 24X24					913-4113			\$ 6,050.00
EXPANDER RODS								
EXPANDER ROD ASSEMBLY, HB175					931-6589			\$ 11,680.00
ADAPTERS, FLEX JOINTS, ROD PILOTS, RODS								
ROD, PILOT - HB175					931-6506			\$ 1,010.00
FLEX JOINT, HB175					931-6591			\$ 7,180.00
PIN, HB175 - 2.50"					931-6582			\$ 150.00
RING, RETAINING 2.00					931-6535			\$ 8.80
ROD, HB175 SOLID ROD					931-0012			\$ 840.00
ROD BOX, HB160					931-0020			\$ 1,860.00
DUCTILE SLITTER ASSEMBLIES								
SLITTER ASSEMBLY, 12"					931-6613			\$ 41,250.00
SLITTER ASSEMBLY, 14"					931-6616			\$ 42,290.00
SLITTER ASSEMBLY, 16"					931-6618			\$ 45,090.00
CUSTOMER DIRECT								
EXPANDERS								
(Note: Expander selection based on OD of pipe being installed. Expander OD must be 20 - 25% larger than the OD of the pipe being installed [Formula: New Pipe OD x 1.2 = Minimum Expander OD])								
DESCRIPTION	NEW NOMINAL PIPE SIZE	NEW PIPE OD	EXPANDER OD in (mm)	EXPANDER ID in (mm)	PART NO.			MSRP
IPS Pipe Sizes								
12" IPS Expander	12.00 in	12.75 in	15.30 (389)	14.55 (370)	931-6873			\$ 7,150.00
14"/355 mm IPS Expander	14.00 in	14.00 in	16.80 (427)	16.05 (408)	913-9813			\$ 7,590.00
16" IPS Expander	16.00 in	16.00 in	19.20 (488)	18.45 (469)	913-9817			\$ 9,100.00
18" IPS Expander	18.00 in	18.00 in	21.60 (549)	20.85 (530)	913-9819			\$ 9,760.00
20" IPS Expander *Require 30 day lead time!	20.00 in	20.00 in	24.00 (610)	23.25 (591)	913-8852			\$ 10,540.00
22" IPS Expander *Require 30 day lead time!	22.00 in	22.00 in	26.00 (660)	25.25 (641)	913-8859			\$ 10,540.00
24" IPS Expander *Require 30 day lead time!	24.00 in	24.00 in	28.80 (732)	28.05 (712)	913-8869			\$ 15,520.00
DIPS Pipe Sizes								
12" DIPS Expander	12.00 in	13.20 in	16.00 (406)	15.25 (387)	931-6874			\$ 6,890.00
14" DIPS Expander	14.00 in	15.30 in	18.36 (466)	17.61 (447)	913-9814			\$ 7,590.00
16" DIPS Expander	16.00 in	17.40 in	20.88 (530)	20.13 (511)	913-9818			\$ 8,680.00
18" DIPS Expander	18.00 in	19.50 in	23.40 (594)	22.65 (575)	913-8847			\$ 9,380.00
20" DIPS Expander *Require 30 day lead time!	20.00 in	21.60 in	26.00 (660)	25.25 (641)	913-8859			\$ 10,540.00
24" DIPS Expander *Require 30 day lead time!	24.00 in	25.80 in	31.20 (792)	30.45 (773)	913-8878			\$ 16,010.00
Metric Pipe Sizes								
315 mm Expander	315 mm	315 mm	14.88 (378)	14.13 (359)	931-6868			\$ 6,480.00
14"/355 mm IPS Expander	355 mm	355 mm	16.80 (427)	16.05 (408)	913-9813			\$ 7,590.00
400 mm Expander	400 mm	400 mm	18.90 (480)	18.15 (461)	913-9815			\$ 9,870.00
450 mm Expander *Requires 30 day lead time!	450 mm	450 mm	21.26 (540)	20.51 (521)	913-9816			\$ 10,200.00
20" (IPS)/500 mm Expander *Requires 30 day lead time!	500 mm	500 mm	24.00 (610)	23.25 (591)	913-8852			\$ 10,540.00



560 mm Expander *Requires 30 day lead time!	560 mm	560 mm	26.46 (672)	25.71 (653)	913-8866		\$ 11,770.00
630 mm Expander *Requires 30 day lead time!	630 mm	630 mm	30.00 (762)	29.25 (743)	913-8875		\$ 15,830.00

## CUSTOMER DIRECT

### HYDROBURST® HB175 RENTAL CONSUMABLES

*HydroBurst® HB175 Static Pipe Bursting System rentals may require one or more of the following invoiceable consumables: copper coat, fuse on pullers, special adapters, special burst heads, or special slitters.*

### HDPE FUSE ON PULLERS

DESCRIPTION	NEW NOMINAL PIPE SIZE	NEW PIPE OD	PART NO.	MSRP
<b>IPS Pipe Sizes</b>				
FUSE ON PULLER ASSY - 10" IPS (LG EYE)	10.00 in	10.75 in	913-9925	\$ 2,390.00
FUSE ON PULLER ASSY - 12" IPS (LG EYE)	12.00 in	12.75 in	913-9932	\$ 3,020.00
FUSE ON PULLER ASSY - 14" IPS (LG EYE)	14.00 in	14.00 in	913-9939	\$ 3,280.00
FUSE ON PULLER ASSY - 16" IPS (LG EYE)	16.00 in	16.00 in	913-9946	\$ 4,950.00
FUSE ON PULLER ASSY - 18" IPS (LG EYES)	18.00 in	18.00 in	913-9953	\$ 5,860.00
FUSE ON PULLER ASSY - 20" IPS (LG EYE)	20.00 in	20.00 in	913-9960	\$ 6,800.00
FUSE ON PULLER ASSY - 24" IPS (LG EYE)	24.00 in	24.00 in	913-9967	\$ 7,840.00
<b>DIPS Pipe Sizes</b>				
FUSE ON PULLER ASSY - 10" DIPS (LG EYE)	10.00 in	11.10 in	913-9928	\$ 2,310.00
FUSE ON PULLER ASSY - 12" DIPS (LG EYE)	12.00 in	13.20 in	913-9935	\$ 2,980.00
FUSE ON PULLER ASSY - 14" DIPS (LG EYE)	14.00 in	15.30 in	913-9942	\$ 3,280.00
FUSE ON PULLER ASSY - 16" DIPS (LG EYE)	16.00 in	17.40 in	913-9949	\$ 4,830.00
FUSE ON PULLER ASSY - 18" DIPS (LG EYE)	18.00 in	19.50 in	913-9956	\$ 5,860.00
FUSE ON PULLER ASSY - 20" DIPS (LG EYE)	20.00 in	21.60 in	913-9963	\$ 6,800.00
FUSE ON PULLER ASSY - 24" DIPS (LG EYE)	24.00 in	25.80 in	913-9970	\$ 7,840.00
<b>Metric Pipe Sizes</b>				
FUSE ON PULLER ASSY - 280MM (LARGE EYE)	280 mm	280 mm	913-4050	\$ 2,410.00
FUSE ON PULLER ASSY - 315MM (LARGE EYE)	315 mm	315 mm	913-4052	\$ 2,960.00
FUSE ON PULLER ASSY - 355MM (LARGE EYE)	355 mm	355 mm	913-4053	\$ 3,510.00
FUSE ON PULLER ASSY - 400MM (LARGE EYE)	400 mm	400 mm	913-4054	\$ 4,960.00
FUSE ON PULLER ASSY - 450MM (LARGE EYE)	450 mm	450 mm	913-4055	\$ 6,870.00
FUSE ON PULLER ASSY - 500MM (LARGE EYE)	500 mm	500 mm	913-4056	\$ 6,920.00
FUSE ON PULLER ASSY - 560MM (LARGE EYE)	560 mm	560 mm	913-4057	\$ 9,590.00
FUSE ON PULLER ASSY - 630MM (LARGE EYE)	630 mm	630 mm	913-4058	\$ 10,420.00

# CUSTOMER DIRECT

DESCRIPTION

PART NO.

MSRP

## PortaBurst® System Components (30 Ton Lateral System)

### Down Hole Unit Options

PORTABURST PB30X	912-7500			\$ 21,500.00
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### Extraction Cage

CAGE ASSEMBLY, PB30X	912-7583			\$ 500.00
SHORE FACE	912-7538			\$ 540.00

### Common Wear Items for Down Hole Units

#### PortaBurst PB30X Replacement Parts

JAW KIT, 3/4"	912-7608			\$ 500.00
JAW KIT, 3/8"	912-7609			\$ 500.00

### Power Supply Options

PB13X, ASSEMBLY	912-7259			\$ 8,500.00
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### Cable Options

CABLE, SWAGED, 3/4" X 75'	912-3161			\$ 890.00
CABLE, SWAGED, 3/4" X 100'	912-3163			\$ 1,040.00
CABLE, SWAGED, 3/4" X 150'	912-3162			\$ 1,340.00
CABLE, SWAGED - 3/8" X 50'. LS	912-7172			\$ 310.00
CABLE, SWAGED - 3/8" X 50'. LS	912-7116			\$ 480.00
CABLE, SWAGED - 3/8" X 75'. LS	912-7202			\$ 850.00

## TOOL

Host Pipe		New HDPE Pipe Size				
Size (in)	Material	2" IPS	3" IPS	4" IPS	4" DIPS	6" IPS
2	Steel	A	B			
	Copper	A	B			
	PVC	C	C1			
	HDPE	C	C1			
3	Clay		C1*	D*	E*	
	Concrete		C1*	D*	E*	
	Orangeburg		C1*	D*	E*	
	Cast Iron		C1*	D*	E*	
	AC		C1*	D*	E*	
	Steel					
	Copper					
	PVC		C1	D	E	
	HDPE		C1	D	E	
	Clay			F	G	I
4	Concrete			F	G	I
	Orangeburg			F	G	I
	Cast Iron			D	E	H
	Fiberglass			F	G	I
	AC			F	G	I
	Steel					
	Copper					
	PVC			D	E	
	HDPE			D	E	
	Clay					I
6	Concrete					I
	Orangeburg					I
	Cast Iron					I
	Fiberglass					I
	AC					I
	Steel					
	Copper					
	PVC					
	HDPE					
	Clay					I

		Slitter*	Puller	Quick Grip® Burst Head	Burst Blade	Blade Mandril
A		912-3363	902-2400			
B		912-3363	902-2600			
C		912-3377	902-2400	912-7559	912-7548	912-7549
C1		912-3377	902-2600	912-7544	912-7548	912-7549
D		912-3370		911-3074		
E		912-3370		911-3078		
F				911-3074		
G				911-3078		
H		912-3370		911-3076		
I				912-7560		

<b>Tooling</b>				
KIT, 2"	912-7610			\$ 2,500.00
KIT, 3"	912-7611			\$ 2,700.00
QUICK	912-7544			\$ 1,570.00
QUICK	911-3074			\$ 2,000.00
QUICK	912-7560			\$ 3,950.00
BURST	912-7548			\$ 880.00
BLADE	912-7549			\$ 340.00
QUICK	912-7559			\$ 1,350.00
<b>Wear Items</b>				
O-RING	902-2320			\$ 1.70
O-RING/	902-0311			\$ 4.52
O-RING,	902-0318			\$ 3.20
O-RING, 4"	902-0506			\$ 3.95
O-RING,	902-0409			\$ 4.84
<b>Other</b>				
WIRELESS	912-7360			\$ 1300.00
REMOTE	912-7338			\$ 550.00
CABLE,	912-7326			\$ 75.00
LEVER,	912-7296			\$ 80.00
SPARE	912-7343			\$ 13.40
HOSE	912-7221			\$ 135.00
NIPPLE	912-3038			\$ 45.00
DUST CAP,	912-4855			\$ 11.00
COVER, VALVE PLATE	912-7272			\$ 13.00
BATTERY,	912-7217			\$ 110.00
WIRELESS REMOTE ASSY, PB13X	912-7362			\$ 1000.00
9V BATTERY, ALKALINE	912-7372			\$ 6.00
PLUNGER, INDEXING - W/ LOCKOUT	912-7568			\$ 45.00
<b>Fusion</b>				
<b>4-6"</b>				
PitBull®	912-5200			\$ 12,304.00
<b>4" McElroy</b>				
PitBull®	912-5210			\$ 5,837.00
PITBULL	912-5217			\$ 320.00
PITBULL	912-5218			\$ 360.00

CUSTOMER DIRECT				
DESCRIPTION	PART NO.			MSRP
HYDRASLITTER				
Domestic Systems				
HYDRASLITTER KIT, 1/2", LLS	912-7168			\$ 4,100.00
HYDRASLITTER KIT, 5/8"-1", LLS	912-7167			\$ 5,400.00
HYDRASLITTER ACCESSORIES				
HYDRASLITTER KIT, 1/2", ACCESSORY, LLS	912-7166			\$ 880.00
HYDRASLITTER KIT, 5/8"-1", ACCESSORY, LLS	912-7100			\$ 1,220.00
MATRIX CARD, 1/2", LLS	912-7165			\$ 23.00
MATRIX CARD, 5/8" - 1", LLS	912-7101			\$ 23.00
ORGANIZER, DIVIDED	912-7102			\$ 40.40
EYE, RODDER	912-7109			\$ 20.20
CABLE, SWAGED - 1/4" X 50', LS	912-7173			\$ 410.00
CABLE, SWAGED - 1/4" X 120', LS	912-7114			\$ 740.00
CABLE, SWAGED - 1/4" (50') X 3/8" (50'), LS	912-7174			\$ 1,000.00
CABLE, SWAGED - 1/4" (75') X3/8" (75'), LS	912-7200			\$ 1,220.00
CABLE, SWAGED - 1/4" (120') X 3/8" (120'), LS	912-7117			\$ 2,070.00
CABLE TIE, SS, 8"	912-7119			\$ 53.60
CABLE PULLER, 1/4", LS	912-7120			\$ 370.00
CABLE PULLER, 3/8", LS	912-7121			\$ 680.00
RODDER, ø11/64" X 100', LS	912-7123			\$ 530.00
DRUM, MOLDED PLASTIC, BLACK	912-7124			\$ 730.00
BLADE, 3/4", LLS	912-7135			\$ 170.00
BLADE, 1", LLS	912-7136			\$ 200.00
BLADE, 5/8", LLS	912-7137			\$ 160.00
BLADE, 1/2", LLS	912-7138			\$ 190.00
SEPARATION TUBE, 1/2" - 1", LS	912-7139			\$ 92.00
EXPANDER CONE, 1/2", LS	912-7140			\$ 94.10
EXPANDER CONE, 5/8" - 1", LS	912-7141			\$ 110.00
EXPANDER ASSY, 3/4" PIPE (A), LS	912-5538			\$ 380.00
EXPANDER ASSY, 1" PIPE (A), LS	912-5539			\$ 500.00
EXPANDER ASSY, 1.25" PIPE (A), LS	912-5541			\$ 410.00
JAW ASSY, 3/8" CABLE	912-5552			\$ 22.00
JAW ASSY, 1/4" CABLE	912-5512			\$ 22.40
CLEVIS, SWIVEL, 1/2"-3/4", LS	912-5800			\$ 88.90
PIN, SWIVEL, 1/2"-3/4", LS	912-5801			\$ 45.70
NUT, RETENTION, 1/2"-3/4", LS	912-5802			\$ 130.00
PIN, RETENTION, 1/2"-3/4", LS	912-5803			\$ 22.30
RETAINING RING, 1/4" SHAFT	912-5685			\$ 0.30
PIN, SWIVEL, 1", LS	912-5804			\$ 45.70
RETAINING RING, 5/16" SHAFT	912-5808			\$ 0.70
CLEVIS, SWIVEL, 1", LS	912-5810			\$ 86.30
NUT, RETENTION, 1", LS	912-5811			\$ 125.00
PIN, RETENTION, 1", LS	912-5812			\$ 23.00
PIN, SWIVEL, 1.25", LS	912-5805			\$ 35.50
CLEVIS, SWIVEL, 1.25", LS	912-5807			\$ 130.00
NUT, RETENTION, 1.25", LS	912-5813			\$ 169.95
PIN, RETENTION, 1.25", LS	912-5806			\$ 25.10
O-RING, -115	912-5586			\$ 0.80