

HDD DRILL PIPE SELECTION GUIDE



**Ditch
Witch®**

	Pipe OD	Wall Thickness	Drill Pipe Length	Bend Radius	Max Torque (ft./lbs.)
Power Pipe - Unlined					
Power Pipe HD					
JT60	3.063"	0.347"	15.0'	170'	9,000
JT20, JT2020	2.063"	0.243"	10.0'	107'	2,200
JT25	2.375"	0.280"	9.8'	123'	4,000
JT2720 Mach 1	2.375"	0.280"	9.8'	123'	4,000
JT30, JT3020	2.375"	0.280"	9.8'	123'	4,000
JT9/JT922	1.575"	0.244"	6.0'	82'	1,100
JT1720, JT1720 Mach 1	2.060"	0.243"	10.0'	107'	1,800
JT920/JT921	1.575"	0.244"	6.6'	100'	1,100
JT4020	2.625"	0.287"	14.8'	150'	5,000
JT920L	1.625"	0.248"	10.0'	100'	1,100
JT2720	2.230"	0.268"	9.8'	145'	3,300
JT4020 Mach 1	2.813"	0.312"	14.8'	185'	5,000
JT40	2.810"	0.295"	15'	146'	5,500
JT1220	1.820"	0.245"	10.0'	120'	1,400
JT520	1.125"	0.250"	4.9'	70'	500
JT5	1.125"	0.250"	4.9'	70'	550
Ditch Witch Forged					
JT10	1.625"	.250"	6.0'	84'	1,100
JT20, JT2020	2.100"	0.300"	10.0'	109'	2,200
JT25, JT30, JT3020	2.375"	0.300"	9.8'	123'	4,000
HIWS1 Forged					
JT5	1.320"	0.179"	4.9'	57'	900
JT9	1.660"	0.191"	6.0'	96'	1,500
JT1220	1.900"	0.240"	10.0'	99'	2,000
JT1220	2.063"	0.260"	10.0'	102'	2,600
JT20, JT2020	2.375"	0.254"	10.0'	108'	4,000
JT25	2.375"	0.254"	10.0'	108'	4,000
JT30, JT3020	2.375"	0.254"	10.0'	108'	4,000
JT40	2.625"	0.400"	15.0'	145'	5,500
JT60	2.875"	0.392"	15.0'	169'	9,000
JT8020	3.625"	0.313"	14.8'	205'	12,000
JT100	3.625"	0.313"	14.8'	205'	12,000
JT100	3.500"	0.449"	15.0'	197'	10,000
Power Pipe HD, Fluid Miser					
JT9/JT922	1.575"	0.244"	6.0'	82'	1,100
JT20, JT2020	2.063"	0.243"	10.0'	107'	2,200
JT25	2.375"	0.280"	9.8'	123'	4,000
JT2720 Mach 1	2.375"	0.280"	9.8'	123'	4,000
JT30, JT3020	2.375"	0.280"	9.8'	123'	4,000
JT1720, JT1720 Mach 1	2.063"	0.243"	10.0'	107'	1,800
JT922	1.575"	0.244"	6.0'	82'	1,100
JT920/JT921	1.575"	0.244"	6.6'	100'	1,100
JT4020	2.625"	0.287"	14.8'	150'	5,000
JT920L	1.625"	0.248"	10.0'	100'	1,100
JT2720	2.230"	0.268"	9.8'	145'	3,300
JT4020 Mach 1	2.813"	0.312"	14.8'	185'	5,000
JT40	2.810"	0.295"	15'	146'	5,500
JT60	3.063"	0.347"	15.0'	170'	9,000
JT1220	1.820"	0.245"	10.0'	120'	1,400
All Terrain Pipe					
JT2720 All Terrain Mach 1	2.938"	0.267"	9.3'	153'	4,000
JT30 All Terrain	2.938"	0.267"	9.3'	153'	4,000
JT2720 All Terrain Mach 1	2.230"	0.268"	9.3'	145'	4,000
JT30 All Terrain	2.230"	0.268"	9.3'	145'	4,000
JT4020 All Terrain Mach 1	3.625"	0.313"	14.3'	205'	9,000
JT60 All Terrain	3.625"	0.313"	14.3'	205'	9,000
AT40	3.070"	0.340"	15'	170'	5,500
JT100 All Terrain	3.625"	0.313"	14.1'	205'	12,000



	Pipe OD	Wall Thickness	Drill Pipe Length	Bend Radius	Max Torque (ft./lbs.)
19.50# GRADE S135	5"	0.362	20'	13.8	74,100
19.50# GRADE S135	5"	0.362	31'	13.8	74,100
25.60# GRADE S135	5"	0.500	31'	13.8	94,062
21.90# GRADE S135	5 1/2"	0.361	31'	12.5	91,278
24.70# GRADE S135	5 1/2"	0.415	31'	12.5	101,833
25.20# GRADE S135	6 5/8"	0.330	31'	10.4	127,044
27.70# GRADE S135	6 5/8"	0.362	31'	10.4	137,350
34.01# GRADE S135	6 5/8"	0.522	31'	10.4	183,962



	Pipe OD	Wall Thickness	Drill Pipe Length	Bend Radius	Max Torque (ft./lbs.)
19.50# GRADE S135	5"	0.362	20'	313' min Rad.	74,100
19.50# GRADE S135	5"	0.362	31'	313' min Rad.	74,100
25.60# GRADE S135	5"	0.500	31'	313' min Rad.	94,062
21.90# GRADE S135	5 1/2"	0.361	31'	458' min Rad.	91,278
24.70# GRADE S135	5 1/2"	0.415	31'	458' min Rad.	101,833
25.20# GRADE S135	6 5/8"	0.330	31'	552' min Rad.	127,044
27.70# GRADE S135	6 5/8"	0.362	31'	552' min Rad.	137,350
34.01# GRADE S135	6 5/8"	0.522	31'	552' min Rad.	170,872
33.70# GRADE S135	7 5/8"	0.430	31'	645' min Rad.	170,872



	Pipe OD	Wall Thickness	Drill Pipe Length	Bend Radius	Max Torque (ft./lbs.)
HIWS1					
DD65, JT5	1.32"	0.18"	5'	57.3'	
D6x6	1.32"	0.18"	6'	57.3'	
D7x11, D9X13, JT922, JT9	1.66"	0.19"	6'	95.5'	
D10x14, D10X15	1.66"	0.19"	10'	95.5'	
D16x20, D18X22, D20X22	1.90"	0.24"	10'	98.7'	
D20x22, D23X30, D24X26, DD2024, JT1220, JT20	2.06"	0.26"	10'	101.9'	
D24x40, D23X30, DD3258, JT2020, JT3020, JT20, JT25, JT30	2.38"	0.25"	10'	108.2'	
D33x44, D36X50, D40X55	2.38"	0.30"	10'	108.2'	
D33x44, D36X50, D40X40	2.38"	0.30"	15'	108.2'	
D36x50, D40X55	2.63"	0.40"	10'	145.0'	
D33x44, D36X50, D40X55	2.63"	0.40"	15'	145.0'	
UNI60x70, D60X90	2.88"	0.39"	10'	168.7'	
D50x100, D60X90, JT60	2.88"	0.39"	15'	168.7'	
D50x100, D55X100, D60X90, D75x100, D80X100, DD6, JT7020, JT8020, JT100	3.50"	0.45"	15'	197.4'	
D100x140	3.50"	0.48"	15'	197.4'	
D80x120, D100X120, D100X140	3.50"	0.48"	20'	197.4'	
HXT					
D22x33, D24X33, JT 2020	2.06"	0.26"	10'	101.9'	
D33x44, D36X50, DD4045, JT3020, JT30	2.38"	0.30"	10'	108.2'	
D33x44, D36X50	2.38"	0.30"	15'	108.2'	
D36x50	2.63"	0.40"	15'	145.0'	
JT4020	2.63"	0.40"	15'	145.0'	
D55x100, D80X100, DD6, DD8	2.88"	0.40"	15'	168.7'	
JT7020, JT8020, JT100, UNI120x180, DD10, DD110	3.50"	0.40"	15'	197.4'	
D100x120, DD10, DD110	3.50"	0.45"	20'	197.4'	
HIWSH					
Case 6010	2.06"	0.26"	10'	101.9'	
Case 6030	2.38"	0.25"	10'	108.2'	

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	Pipe OD	Wall Thickness	Drill Pipe Length	Bend Radius	Max Torque (ft./lbs.)
Ditch Witch/Jet-Trac Compatible					
JT820/JT920	1.660"	0.240"	78.75'	98.1'	
JT922	1.660"	0.240"	78.75'	98.1'	
JT922Coarse Thread	1.660"	0.240"	78.75'	98.1'	
JT920L	1.660"	0.240"	118.00"	98.1'	
JT1220	1.900"	0.240"	118.00"	112.3'	
JT1720	2.063"	0.270"	118.00"	121.9'	
JT2020	2.063"	0.270"	118.00"	121.9'	
JT2720	2.375"	0.280"	118.00"	140.4'	
JT2720 Mach 1	2.375"	0.280"	118.00"	140.4'	
JT4020	2.875"	0.362"	177.20"	170.0'	
JT4020 Mach 1	2.875"	0.362"	177.20"	170.0'	
JT7020/JT100/JT8020	3.50"	0.368"	177.20"	207.0'	
Vermeer Compatible					
D7x11	1.660"	0.240"	72.00"	98.1'	
D10x15	1.660"	0.240"	120.00"	98.1'	
D16x20/D18x22	1.90"	0.240"	120.00"	112.3'	
D24x26/D20x24	2.063"	0.240"	120.00"	121.9'	
D24x40	2.375"	0.280"	120.00"	140.4'	
D40x40	2.375"	0.280"	180.00"	140.4'	
D36x50 FS#700	2.625"	0.400"	120.00"	145.5'	
D36x50 FS#700	2.625"	0.400"	180.00"	145.5'	
D50x100	2.875"	0.362"	180.00"	170.0'	
D80x100	3.50"	0.368"	180.00"	206.9'	
D100x120	3.50"	0.368"	240.00"	206.9'	
Other Compatible					
TT4X	1.66"	0.240"	60.00"	98.1'	
Case 6010	2.063"	0.270"	120.00"	121.9'	
Case 6030	2.375"	0.280"	120.00"	140.4'	
2 7/8" Flush	2.875"	0.362"	120.00"	170.0'	
2 7/8"x10'	2.875"	0.362"	120.00"	170.0'	
3 1/2x15'	3.50"	0.368"	180.00"	206.9'	
3 1/2x20'	3.50"	0.368"	240.00"	206.9'	
3 1/2x30'	3.50"	0.368"	320.00"	206.9'	
4"x15'	4.00"	0.330"	180.00"	236.5'	
4"x20'	4.00"	0.330"	240.00"	236.5'	



Ditch Witch/Jet-Trac Compatible					
JT520 Power Pipe® HD (fine)	1.125"	.275"	4.9'	70'	500
JT5 Power Pipe® HD (coarse)	1.125"	.275"	4.9'	70'	550
JT9 / JT922 Power Pipe® HD (coarse)	1.580"	.240"	6'	100'	1,100
JT1220 Power Pipe®	1.820"	.256"	10'	120'	1,400
JT1720/1720M1	2.125"	.250"	10'	115'	1,800
JT20 / JT2020 Power Pipe® HD	2.125"	.295"	10'	115'	2,200
JT25 / JT30 / JT2720M1 Power Pipe® HD	2.375"	.295"	9.8'	123'	4,000
JT2720 Power Pipe®	2.375"	.295"	9.8'	145'	3,200
JT2720M1 / 3020M1	2.375"	.315"	9.8'	150'	4,000
JT4020 Power Pipe®	2.875"	.400"	14.75'	185'	5,000
JT4020M1 Power Pipe®	2.875"	.400"	14.75'	185'	5,000
JT7020/8020/JT100	3.500"	.368"	14.75'	207'	10,000
Ditch Witch/Jet-Trac Compatible					
JT922 Power Pipe® Forged	1.660"	.240"	6'	97'	1,500
JT1220 Power Pipe® Forged	1.900"	.250"	10'	98'	2,000
JT1220 Power Pipe® Forged	2.063"	.260"	10'	102'	2,600
JT2020 Power Pipe® Forged	2.063"	.260"	10'	102'	2,600
JT2020 Power Pipe® Forged	2.375"	.295"	10'	108'	4,000
JT25 Power Pipe® Forged	2.375"	.295"	10'	108'	4,000

	Pipe OD	Wall Thickness	Drill Pipe Length	Bend Radius	Max Torque (ft./lbs.)
TuffRod					
JT30 Power Pipe® Forged	2.375"	.295"	10'	108'	4,000
JT60 Power Pipe® Forged	2.875"	.400"	15'	169'	9,000
JT100 Power Pipe® Forged	3.500"		15'	200'	10,000
Vermeer Compatible					
D7X11, D9X13	1.660"	.240"	6'	97'	1,500
D16X20, D18X22	1.900"	.250"	10'	98'	2,000
D20X22, D24X26, D23x30	2.063"	.260"	10'	102'	2,600
D24x40, D23x30	2.375"	.295"	10'	108'	4,000
D36X50, D40x55 (#650 x 10')	2.375"	.315"	10'	108'	5,000
D36X50 (#650 x 15')	2.375"	.315"	15'	108'	5,000
D36X50, D40x55 (#700x10')	2.625"	.400"	10'	145'	5,000
D36X50, D40x55 (#700x15')	2.625"	.400"	15'	145'	5,000
D50x100, D60x90	2.875"	.400"	15'	169'	9,000
D80X100, D50x100, D60x90	3.500"	.420"	15'	200'	10,000
D100X120	3.500"	.475"	20'	200'	15,000
TT Technologies Compatible					
TT4X	1.500"	.250"	5'	98'	950
Other Compatible					
3-1/2 x15'	3.50"	.368"	15'	205'	21,400
3-1/2 x20'	3.50"	.368"	20'	205'	21,400
4"	4.00"	.330"	15'	235'	22,200
4"	4.00"	.330"	20'	235'	22,200
4"	4.00"	.330"	31'	235'	22,200
5"	5.00"	.362"	20'		63,500
5"	5.00"	.362"	31'		63,500
5-1/2"	5.50"	.362"	31'		85,700
6-5/8"	6.625"	.362"	31'		109,200



Firestick Drill Rod					
D6x6	1.32"	0.179"	6'	57.3'	900
D7x11 - D10x15 S3	1.66"	0.191"	6'	95.5'	1,500
D10x14 - D10x15	1.66"	0.191"	10'	95.5'	1,500
D16x20A - D20x22 S3	1.90"	0.240"	10'	98.7'	2,250
D20x22 - D23x30 S3	2.06"	0.260"	10'	101.9'	3,000
D23x30 S3 - D24x40 S3	2.375"	0.254"	10'	108.2'	4,200
D33x44 - D40x55 S3	2.375"	0.295"	10'	108.2'	5,500
D36x50 - D40x55 S3	2.375"	0.295"	15'	108.2'	5,500
D36x50 - D40x55 S3	2.625"	0.40"	10'	145'	5,500
D50x100 - D60x90	2.875"	0.392"	15'	168.7'	9,250
D50x100A - D80x100	3.5"	0.449"	15'	197.4'	10,000
D100x140 - D100x140 S3	3.5"	0.476"	15'	197.4'	15,000
D80x120 - D100x140 S3	3.5"	0.476"	20'	197.4'	15,000
Silver Series Drill Rod					
D7x11 - D10x15 S3	1.66"	0.191"	6'	102.6'	1,500
D16x20A - D20x22 S3	1.90"	0.240"	10'	106'	2,250
D20x22 - D23x30 S3	2.06"	0.260"	10'	109.4'	3,000
D23x30 S3 - D24x40 S3	2.375"	0.254"	10'	116.2'	4,200