

HDD – Horizontal Directional Drilling

PIPE BODY										TOOL JOINT								ASSEMBLY						
Nominal Size	Nominal Weight	Grade	Upset	Wall Thickness	ID	Torsional Strength	Tensile Strength	Burst Pressure	Collapse Pressure	Connection	OD	ID	Pin Tong Space	Box Tong Space	Make-up Torque	Torsional Strength	Tensile Strength	Torsional Ratio	Adjusted Weight	Capacity	Displacement (open end)	Premium OD	Premium Make-up	Nominal Size
in	lbs/ft			in	in	ft-lbs	lbs	psi	psi		in	in	in	in	ft-lbs	ft-lbs	lbs		lbs/ft	US gal/ft	US gal/ft	in	ft-lbs	
5	19.50	S-135	IEU	0.362	4.276	74,100	712,070	17,105	15,672	NC-50	6 5/8	2 3/4	9	12	38,036	63,406	1,551,706	0.86	24.09	0.70	0.37	6 5/16	28,381	5
5	19.50	S-135	IEU	0.362	4.276	74,100	712,070	17,105	15,672	NC-50	6 5/8	3 1/4	9	12	30,730	51,447	1,268,963	0.69	23.58	0.71	0.36	6 5/16	28,381	5
5	25.60	S-135	IEU	0.500	4.000	94,062	954,259	23,625	24,300	NC-50	6 5/8	2 3/4	9	12	38,036	63,406	1,551,706	0.67	30.19	0.62	0.46	6 17/32	35,195	5
5 1/2	21.90	S-135	IEU	0.361	4.778	91,278	786,809	15,507	12,679	5 1/2 FH DS	7 1/4	3 1/2	10	12	68,270	113,485	1,754,166	1.24	26.93	0.88	0.41	6 9/16	41,400	5 1/2
5 1/2	24.70	S-135	IEU	0.415	4.670	101,834	894,999	17,826	17,023	5 1/2 FH DS	7 1/4	3 1/2	10	12	68,270	113,485	1,754,166	1.11	29.66	0.85	0.45	6 5/8	43,670	5 1/2
5 1/2	24.70	S-135	IEU	0.415	4.670	101,834	894,999	17,826	17,023	5 1/2 FH	7 1/2	3	10	12	52,059	87,341	1,925,536	0.86	30.88	0.83	0.47	7 1/32	38,900	5 1/2
6 5/8	27.70	S-135	IEU	0.362	5.901	137,331	961,556	12,909	7,813	6 5/8 FH	8 1/2	4 1/4	10	13	65,012	109,227	2,102,260	0.80	34.17	1.34	0.53	8 1/32	54,225	6 5/8
6 5/8	27.70	S-135	IEU	0.362	5.901	137,331	961,556	12,909	7,813	6 5/8 FH DS	8 1/2	4 1/4	10	13	101,685	169,475	2,277,448	1.23	34.17	1.34	0.53	7 3/4	73,170	6 5/8
6 5/8	27.70	S-135	IEU	0.362	5.901	137,331	961,556	12,909	7,813	6 5/8 FH DS	8	4 3/4	10	13	74,465	124,110	1,817,990	0.90	31.82	1.36	0.48	7 23/32	60,120	6 5/8
6 5/8	27.70	S-136	IEU	0.362	5.901	137,331	961,556	12,909	7,813	5 1/2 FH DS	7 1/2	3 1/2	12	14	79,000	131,723	1,754,166	0.96	31.33	1.32	0.47	7	58,050	6 5/8
7 5/8	33.70	S-135	IEU	0.430	6.765	214,941	1,312,148	14,465	8,584	6 5/8 FH DS	8 1/2	4 1/4	13	15	102,520	170,870	2,277,448	0.79	44.91	1.72	0.67	7 15/16	82,710	7 5/8
7 5/8	33.70	S-135	IEU	0.430	6.765	214,941	1,312,148	14,465	8,584	6 5/8 FH DS	8 1/2	4 3/4	13	15	75,662	126,104	1,817,990	0.59	43.92	1.75	0.65	8	74,470	7 5/8
7 5/8	39.00	S-135	IEU	0.500	6.625	243,035	1,510,920	15,492	12,651	6 5/8 FH DS	8 1/2	4 1/4	13	15	102,520	170,870	2,277,448	0.70	49.91	1.66	0.74	8	85,970	7 5/8
7 5/8	39.00	S-135	IEU	0.500	6.625	243,035	1,510,920	15,492	12,651	6 5/8 FH DS	8 3/4	4	13	15	114,800	191,410	2,488,032	0.79	51.31	1.65	0.77	8	91,040	7 5/8



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