

## STANDARD HEAVYWEIGHT DRILL PIPE MECHANICAL PROPERTIES†

Tube							Tool Joint				Assembly					
Nominal Dimensions							Mechanical Properties		Nominal Dimensions			Mechanical Properties		Adjusted Weight		
Nominal Size (A)	ID	Wall Thickness	Area (sq in)	Section Modulus (cu in)	Spiral Upsets (C) (in)	End Upsets (B) (in)	Tensile Yield (lb)	Torsional Yield (ft-lb)	Connection Size and Type	OD (D) (in)	ID (in)	Tensile Yield (lb)	Torsional Yield (ft-lb)	Per Foot	Per 31 ft Joint (lb)	Make-up Torque (ft-lb)
2 7/8 <sup>nd</sup>	1 1/2	0.688	4.727	2.161	3 5/16	2 15/16	520,000	22,400	NC 26 (2 3/8 IF)	3 3/8	1 1/2	357,700	6,300	17.26	535	3,800
3 1/2	2 1/16	0.719	6.282	3.702	4	3 7/8	345,500	19,600	NC 38 (3 1/2 IF)	4 3/4	2 1/16	867,100	19,200	25.65	795	11,500
3 1/2	2 1/4	0.625	5.645	3.490	4	3 7/8	310,500	18,500	NC 38 (3 1/2 IF)	4 3/4	2 1/4	790,900	19,200	23.48	728	11,500
4	2 9/16	0.719	7.411	5.225	4 1/2	4 3/16	407,600	27,600	NC 40 (4 FH)	5 1/4	2 9/16	838,300	27,800	29.92	928	14,600
4 1/2	2 3/4	0.875	9.965	7.698	5	4 11/16	548,100	40,700	NC 46 (4 IF)	6 1/4	2 3/4	1,151,000	43,600	41.45	1,285	22,500
5	3	1.000	12.666	10.681	5 1/2	5 1/8	691,200	56,500	NC 50 (4 1/2 IF)	6 5/8	3	1,416,200	57,800	50.38	1,562	30,000
5 1/2	3 1/4	1.125	15.463	14.342	6	5 11/16	850,400	75,900	5 1/2 FH HT™55	7 1/4	3 1/4	1,778,300	78,700	61.63	1,911	41,200
5 7/8	4	0.938	14.542	15.630	6 3/8	6	799,800	82,700	XT™57	7	4	1,403,100	106,200	57.42	1,780	63,700*
6 5/8	4 1/2	1.063	18.574	22.476	7 1/8	6 15/16	1,021,600	118,900	6 5/8 FH	8	4 1/2	1,896,100	87,900	71.43	2,214	50,500

**NOTES:**

† Please refer to page x of the Introduction.

(1) 2-7/8 inch HWDP is only manufactured as an integral (non-welded) design.

