

Drill Pipe Data Tables

Drill Pipe Data Tables

The following tables provide data for the drill string. Data are given for the pipe body, tool joint, and drill pipe assembly.

The tool joint sizes displayed represent common O.D. and I.D. configurations, although additional size combinations are available.

Grant Prideco offers all API tool joint connections as well as most non-API connections. Custom specifications and special sizes can be provided to meet specific requirements.

The technical data are calculated per API RP7G, 15th Edition, January 1, 1995, and API Spec 5D, Third Edition, August 1, 1992.

Pipe Data

Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
2 3/8	4.85	E-75 EU	4,800	97,800	0.190	1.995	1.304	0.784	1.568	10,500	11,040
	4.85	E-75 EU	4,800	97,800	0.190	1.995	1.304	0.784	1.568	10,500	11,040
	4.85	E-75 EU	4,800	97,800	0.190	1.995	1.304	0.784	1.568	10,500	11,040
	4.85	E-75 EU	4,800	97,800	0.190	1.995	1.304	0.784	1.568	10,500	11,040
2 3/8	4.85	X-95 EU	6,000	123,900	0.190	1.995	1.304	0.784	1.568	13,300	13,984
	4.85	X-95 EU	6,000	123,900	0.190	1.995	1.304	0.784	1.568	13,300	13,984
	4.85	X-95 EU	6,000	123,900	0.190	1.995	1.304	0.784	1.568	13,300	13,984
	4.85	X-95 EU	6,000	123,900	0.190	1.995	1.304	0.784	1.568	13,300	13,984
2 3/8	4.85	G-105 EU	6,700	136,900	0.190	1.995	1.304	0.784	1.568	14,700	15,456
	4.85	G-105 EU	6,700	136,900	0.190	1.995	1.304	0.784	1.568	14,700	15,456
	4.85	G-105 EU	6,700	136,900	0.190	1.995	1.304	0.784	1.568	14,700	15,456
	4.85	G-105 EU	6,700	136,900	0.190	1.995	1.304	0.784	1.568	14,700	15,456
2 3/8	4.85	S-135 EU	8,600	176,100	0.190	1.995	1.304	0.784	1.568	18,900	19,035
	4.85	S-135 EU	8,600	176,100	0.190	1.995	1.304	0.784	1.568	18,900	19,035
	4.85	S-135 EU	8,600	176,100	0.190	1.995	1.304	0.784	1.568	18,900	19,035
	4.85	S-135 EU	8,600	176,100	0.190	1.995	1.304	0.784	1.568	18,900	19,035
2 3/8	4.85	Z-140 EU	8,900	182,600	0.190	1.995	1.304	0.784	1.568	19,600	19,588
	4.85	Z-140 EU	8,900	182,600	0.190	1.995	1.304	0.784	1.568	19,600	19,588
	4.85	Z-140 EU	8,900	182,600	0.190	1.995	1.304	0.784	1.568	19,600	19,588
2 3/8	4.85	V-150 EU	9,500	195,600	0.190	1.995	1.304	0.784	1.568	21,000	20,661
	4.85	V-150 EU	9,500	195,600	0.190	1.995	1.304	0.784	1.568	21,000	20,661
	4.85	V-150 EU	9,500	195,600	0.190	1.995	1.304	0.784	1.568	21,000	20,661
2 3/8	6.65	E-75 EU	6,300	138,200	0.280	1.815	1.843	1.029	2.058	15,474	15,599
	6.65	E-75 EU	6,300	138,200	0.280	1.815	1.843	1.029	2.058	15,474	15,599
	6.65	E-75 EU	6,300	138,200	0.280	1.815	1.843	1.029	2.058	15,474	15,599
	6.65	E-75 EU	6,300	138,200	0.280	1.815	1.843	1.029	2.058	15,474	15,599
2 3/8	6.65	X-95 EU	7,900	175,100	0.280	1.815	1.843	1.029	2.058	19,600	19,759
	6.65	X-95 EU	7,900	175,100	0.280	1.815	1.843	1.029	2.058	19,600	19,759
	6.65	X-95 EU	7,900	175,100	0.280	1.815	1.843	1.029	2.058	19,600	19,759
	6.65	X-95 EU	7,900	175,100	0.280	1.815	1.843	1.029	2.058	19,600	19,759
2 3/8	6.65	G-105 EU	8,800	193,500	0.280	1.815	1.843	1.029	2.058	21,663	21,839
	6.65	G-105 EU	8,800	193,500	0.280	1.815	1.843	1.029	2.058	21,663	21,839
	6.65	G-105 EU	8,800	193,500	0.280	1.815	1.843	1.029	2.058	21,663	21,839
	6.65	G-105 EU	8,800	193,500	0.280	1.815	1.843	1.029	2.058	21,663	21,839
2 3/8	6.65	S-135 EU	11,300	248,800	0.280	1.815	1.843	1.029	2.058	27,853	28,079
	6.65	S-135 EU	11,300	248,800	0.280	1.815	1.843	1.029	2.058	27,853	28,079
	6.65	S-135 EU	11,300	248,800	0.280	1.815	1.843	1.029	2.058	27,853	28,079
	6.65	S-135 EU	11,300	248,800	0.280	1.815	1.843	1.029	2.058	27,853	28,079
	6.65	S-135 EU	11,300	248,800	0.280	1.815	1.843	1.029	2.058	27,853	28,079
2 3/8	6.65	Z-140 EU	11,700	258,000	0.280	1.815	1.843	1.029	2.058	28,884	29,119
	6.65	Z-140 EU	11,700	258,000	0.280	1.815	1.843	1.029	2.058	28,884	29,119
	6.65	Z-140 EU	11,700	258,000	0.280	1.815	1.843	1.029	2.058	28,884	29,119
	6.65	Z-140 EU	11,700	258,000	0.280	1.815	1.843	1.029	2.058	28,884	29,119
2 3/8	6.65	V-150 EU	12,500	276,400	0.280	1.815	1.843	1.029	2.058	30,947	31,199
	6.65	V-150 EU	12,500	276,400	0.280	1.815	1.843	1.029	2.058	30,947	31,199
	6.65	V-150 EU	12,500	276,400	0.280	1.815	1.843	1.029	2.058	30,947	31,199
	6.65	V-150 EU	12,500	276,400	0.280	1.815	1.843	1.029	2.058	30,947	31,199

Tool Joint Data

Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Assembly Data					
									Adjusted Weight	Minimum Tool Joint OD for Prem. Class	Drift Diameter	Capacity	Displacement	Size OD
									lb/ft	in.	in.	US gal/ft	US gal/ft	in.
NC26	3 3/8	1 3/4	6,900	313,700	3,900	1.44	9	10	5.52	3 1/8	1 5/8	0.160	0.085	2 3/8
OH	3 3/8	1 3/4	6,600	294,600	3,700	1.38	9	10	5.52	3	1 5/8	0.160	0.085	
WO	3 3/8	1 7/8	5,400	241,300	3,000	1.13	9	10	5.42	3 1/16	1 3/4	0.161	0.083	
SLH90	3 3/8	2	5,200	202,900	2,700	1.08	9	10	5.30	2 31/32	1 7/8	0.162	0.081	
NC26	3 3/8	1 3/4	6,900	313,700	3,900	1.15	9	10	5.52	3 3/16	1 5/8	0.160	0.085	2 3/8
OH	3 3/8	1 3/4	6,600	294,600	3,700	1.10	9	10	5.52	3 1/16	1 5/8	0.160	0.085	
WO	3 3/8	1 7/8	5,400	241,300	3,000	0.90	9	10	5.42	3 1/8	1 3/4	0.161	0.083	
SLH90	3 3/8	1 7/8	6,400	248,500	3,400	1.07	9	10	5.42	3	1 3/4	0.161	0.083	
NC26	3 3/8	1 3/4	6,900	313,700	3,900	1.03	9	10	5.52	3 7/32	1 5/8	0.160	0.085	2 3/8
OH	3 3/8	1 3/4	6,600	294,600	3,700	0.99	9	10	5.52	3 3/32	1 5/8	0.160	0.085	
WO	3 3/8	1 7/8	5,400	241,300	3,000	0.81	9	10	5.42	3 5/32	1 3/4	0.161	0.083	
SLH90	3 3/8	1 7/8	6,400	248,500	3,400	0.96	9	10	5.42	3 1/32	1 3/4	0.161	0.083	
NC26	3 3/8	1 3/4	6,900	313,700	3,900	0.80	9	10	5.52	3 9/32	1 5/8	0.160	0.085	2 3/8
OH	3 3/8	1 1/2	8,300	371,200	4,700	0.97	9	10	5.72	3 3/16	1 3/8	0.158	0.087	
WO	3 3/8	1 5/8	7,300	323,800	4,000	0.85	9	10	5.63	3 7/32	1 1/2	0.159	0.086	
SLH90	3 3/8	1 3/4	7,500	291,200	4,000	0.87	9	10	5.52	3 1/8	1 5/8	0.160	0.085	
XT24	3 1/8	1 1/2	10,000	261,500	6,000	1.12	10	5	5.70	2 3/4	1 3/8	0.157	0.087	2 3/8
XT26	3 3/8	1 3/4	11,600	290,900	7,000	1.30	10	15	5.79	2 15/16	1 5/8	0.160	0.089	
HT26	3 3/8	1 3/4	8,700	313,700	5,200	0.98	9	12	5.61	NA	1 5/8	0.160	0.086	
XT24	3 1/8	1 1/2	10,000	261,500	6,000	1.05	10	15	5.70	2 25/32	1 3/8	0.157	0.087	2 3/8
XT26	3 3/8	1 3/4	11,600	290,900	7,000	1.22	10	15	5.79	2 31/32	1 5/8	0.160	0.089	
HT26	3 3/8	1 3/4	8,700	313,700	5,200	0.92	9	12	5.61	NA	1 5/8	0.160	0.086	
NC26	3 3/8	1 3/4	6,900	313,700	3,900	1.10	9	10	7.19	3 3/16	1 5/8	0.134	0.110	2 3/8
HT26	3 3/8	1 3/4	8,700	313,700	5,200	1.38	9	12	7.27	NA	1 5/8	0.134	0.111	
OH	3 1/4	1 3/4	6,500	294,600	3,700	1.03	9	10	7.07	3 1/16	1 5/8	0.134	0.108	
SLH90	3 1/4	1 13/16	6,900	270,200	3,700	1.10	9	10	7.02	3 1/32	1 11/16	0.134	0.107	
NC26	3 3/8	1 3/4	6,900	313,700	3,900	0.87	9	10	7.19	3 1/4	1 5/8	0.134	0.110	2 3/8
HT26	3 3/8	1 3/4	8,700	313,700	5,200	1.10	9	12	7.27	NA	1 5/8	0.134	0.111	
OH	3 1/4	1 3/4	6,500	294,600	3,700	0.82	9	10	7.07	3 5/32	1 5/8	0.134	0.108	
SLH90	3 1/4	1 13/16	6,900	270,200	3,700	0.87	9	10	7.02	3 3/32	1 11/16	0.134	0.107	
NC26	3 3/8	1 3/4	6,900	313,700	3,900	0.78	9	10	7.19	3 9/32	1 5/8	0.134	0.110	2 3/8
HT26	3 3/8	1 3/4	8,700	313,700	5,200	0.99	9	12	7.27	NA	1 5/8	0.134	0.111	
OH	3 1/4	1 3/4	6,500	294,600	3,700	0.74	9	10	7.07	3 3/16	1 5/8	0.134	0.108	
SLH90	3 1/4	1 13/16	6,900	270,200	3,700	0.78	9	10	7.02	3 1/8	1 11/16	0.134	0.107	
NC26	3 5/8	1 1/2	9,000	390,300	4,900	0.80	9	10	7.65	3 13/32	1 3/8	0.132	0.117	2 3/8
HT26	3 3/8	1 3/4	8,700	313,700	5,200	0.77	9	12	7.27	NA	1 5/8	0.134	0.111	
OH	3 1/4	1 3/4	6,500	294,600	3,700	0.58	9	10	7.07	NA	1 5/8	0.134	0.108	
SLH90	3 1/4	1 13/16	6,900	270,200	3,700	0.61	9	10	7.02	3 7/32	1 11/16	0.134	0.107	
GPDS26	3 1/2	1 3/4	8,800	313,700	5,300	0.78	9	10	7.32	3 11/32	1 5/8	0.134	0.112	
XT24	3 1/8	1 1/2	10,000	261,500	6,000	0.85	10	15	7.35	2 29/32	1 3/8			

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Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
2 7/8	6.85	E-75 IU	8,100	135,900	0.217	2.441	1.812	1.611	3.222	9,907	10,467
	6.85	E-75 IU	8,100	135,900	0.217	2.441	1.812	1.611	3.222	9,907	10,467
	6.85	E-75 EU	8,100	135,900	0.217	2.441	1.812	1.611	3.222	9,907	10,467
	6.85	E-75 IU	8,100	135,900	0.217	2.441	1.812	1.611	3.222	9,907	10,467
	6.85	E-75 EU	8,100	135,900	0.217	2.441	1.812	1.611	3.222	9,907	10,467
	6.65	E-75 IU	8,100	135,900	0.217	2.441	1.812	1.611	3.222	9,907	10,467
	6.85	E-75 EU	8,100	135,900	0.217	2.441	1.812	1.611	3.222	9,907	10,467
	6.85	E-75 EU	8,100	135,900	0.217	2.441	1.812	1.611	3.222	9,907	10,467
2 7/8	6.85	X-95 IU	10,200	172,100	0.217	2.441	1.812	1.611	3.222	12,548	12,940
	6.85	X-95 IU	10,200	172,100	0.217	2.441	1.812	1.611	3.222	12,548	12,940
	6.85	X-95 EU	10,200	172,100	0.217	2.441	1.812	1.611	3.222	12,548	12,940
	6.85	X-95 IU	10,200	172,100	0.217	2.441	1.812	1.611	3.222	12,548	12,940
	6.85	X-95 EU	10,200	172,100	0.217	2.441	1.812	1.611	3.222	12,548	12,940
	6.65	X-95 IU	10,200	172,100	0.217	2.441	1.812	1.611	3.222	12,548	12,940
	6.85	X-95 EU	10,200	172,100	0.217	2.441	1.812	1.611	3.222	12,548	12,940
	6.85	X-95 EU	10,200	172,100	0.217	2.441	1.812	1.611	3.222	12,548	12,940
2 7/8	6.85	G-105 IU	11,300	190,300	0.217	2.441	1.812	1.611	3.222	13,869	14,020
	6.85	G-105 IU	11,300	190,300	0.217	2.441	1.812	1.611	3.222	13,869	14,020
	6.85	G-105 EU	11,300	190,300	0.217	2.441	1.812	1.611	3.222	13,869	14,020
	6.85	G-105 IU	11,300	190,300	0.217	2.441	1.812	1.611	3.222	13,869	14,020
	6.85	G-105 EU	11,300	190,300	0.217	2.441	1.812	1.611	3.222	13,869	14,020
	6.65	G-105 IU	11,300	190,300	0.217	2.441	1.812	1.611	3.222	13,869	14,020
	6.85	G-105 EU	11,300	190,300	0.217	2.441	1.812	1.611	3.222	13,869	14,020
	6.85	G-105 EU	11,300	190,300	0.217	2.441	1.812	1.611	3.222	13,869	14,020
2 7/8	6.85	S-135 IU	14,500	244,600	0.217	2.441	1.812	1.611	3.222	17,832	17,034
	6.85	S-135 IU	14,500	244,600	0.217	2.441	1.812	1.611	3.222	17,832	17,034
	6.85	S-135 EU	14,500	244,600	0.217	2.441	1.812	1.611	3.222	17,832	17,034
	6.85	S-135 IU	14,500	244,600	0.217	2.441	1.812	1.611	3.222	17,832	17,034
	6.85	S-135 EU	14,500	244,600	0.217	2.441	1.812	1.611	3.222	17,832	17,034
	6.65	S-135 IU	14,500	244,600	0.217	2.441	1.812	1.611	3.222	17,832	17,034
	6.85	S-135 EU	14,500	244,600	0.217	2.441	1.812	1.611	3.222	17,832	17,034
	6.85	S-135 EU	14,500	244,600	0.217	2.441	1.812	1.611	3.222	17,832	17,034
2 7/8	6.85	Z-140 IU	15,100	253,700	0.217	2.441	1.812	1.611	3.222	18,492	17,500
	6.65	Z-140 IU	15,100	253,700	0.217	2.441	1.812	1.611	3.222	18,492	17,500
	6.85	Z-140 EU	15,100	253,700	0.217	2.441	1.812	1.611	3.222	18,492	17,500
	6.85	Z-140 EU	15,100	253,700	0.217	2.441	1.812	1.611	3.222	18,492	17,500
2 7/8	6.85	V-150 IU	16,200	271,800	0.217	2.441	1.812	1.611	3.222	19,813	18,398
	6.65	V-150 IU	16,200	271,800	0.217	2.441	1.812	1.611	3.222	19,813	18,398
	6.85	V-150 EU	16,200	271,800	0.217	2.441	1.812	1.611	3.222	19,813	18,398
	6.85	V-150 EU	16,200	271,800	0.217	2.441	1.812	1.611	3.222	19,813	18,398
2 7/8	10.40	E-75 EU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 EU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 IU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 EU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 EU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 IU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 IU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 EU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 IU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 EU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 IU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509
	10.40	E-75 EU	11,600	214,300	0.362	2.151	2.858	2.303	4.606	16,526	16,509

Tool Joint Data										Assembly Data					
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint O.D. for Prem. Class	Drift Diameter	Capacity	Displacement	Size O.D.	
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.	
2 7/8	NC26	3 3/8	1 3/4	6,900	313,700	3,900	0.85	9	10	7.24	3 9/32	1 5/8	0.237	0.111	2 7/8
	HT26	3 3/8	1 3/4	8,700	313,700	5,200	1.07	9	12	7.32	NA	1 5/8	0.236	0.112	
	NC31	4 1/8	2 5/32	11,500	434,500	6,200	1.42	9	11	7.93	3 11/16	2 1/32	0.240	0.121	
	PAC	3 1/8	1 1/2	5,700	273,000	3,200	0.70	9	10	7.18	3	1 3/8	0.235	0.110	
	OH	3 3/4	2 3/8	6,300	252,100	3,500	0.78	9	11	7.23	3 1/2	2 1/4	0.242	0.111	
	XT26	3 3/8	1 3/4	11,600	290,900	7,000	1.43	10	15	7.48	2 29/32	1 5/8	0.235	0.114	
	HT31	4	2 5/32	14,900	434,600	8,900	1.84	9	13	7.89	3 1/2	2 3/97	0.240	0.121	
	XT31	4	2 3/8	12,900	309,100	7,700	1.59	10	15	7.79	3 7/16	2 1/4	0.242	0.119	
2 7/8	NC26	3 1/2	1 1/2	8,800	390,300	4,900	0.86	9	10	7.55	3 3/8	1 3/8	0.235	0.116	2 7/8
	HT26	3 3/8	1 3/4	8,700	313,700	5,200	0.85	9	12	7.32	NA	1 5/8	0.236	0.112	
	NC31	4 1/8	2 5/32	11,500	434,500	6,200	1.13	9	11	7.93	3 3/4	2 1/32	0.240	0.121	
	PAC	3 1/8	1 1/2	5,700	273,000	3,200	0.56	9	10	7.18	3 1/8	1 3/8	0.235	0.110	
	OH	3 3/4	2 3/8	6,300	252,100	3,500	0.62	9	11	7.23	3 9/16	2 1/4	0.242	0.111	
	XT26	3 3/8	1 3/4	11,600	290,900	7,000	1.14	10	15	7.48	3	1 5/8	0.235	0.114	
	HT31	4	2 5/32	14,900	434,500	8,900	1.46	9	13	7.89	3 19/32	2 1/32	0.240	0.121	
	XT31	4	2 3/8	12,900	309,100	7,700	1.26	10	15	7.79	3 1/2	2 1/4	0.242	0.119	
2 7/8	NC26	3 5/8	1 3/4	7,200	313,700	3,900	0.64	9	10	7.50	3 13/32	1 5/8	0.237	0.115	2 7/8
	HT26	3 3/8	1 3/4	8,700	313,700	5,200	0.77	9	12	7.32	NA	1 5/8	0.236	0.112	
	NC31	4 1/8	2 5/32	11,500	434,500	6,200	1.02	9	11	7.93	3 13/16	2 1/32	0.240	0.121	
	PAC	3 1/8	1 1/2	5,700	273,000	3,200	0.50	9	10	7.18	NA	1 3/8	0.235	0.110	
	OH	3 7/8	2 5/32	8,800	345,500	4,800	0.78	9	11	7.61	3 19/32	2 1/32	0.240	0.116	
	XT26	3 3/8	1 3/4	11,600	290,900	7,000	1.03	10	15	7.48	3 1/16	1 5/8	0.235	0.114	
	HT31	4	2 5/32	14,900	434,500	8,900	1.32	9	13	7.89	3 5/8	2 1/32	0.240	0.121	
	XT31	4	2 3/8	12,900	309,100	7,700	1.14	10	15	7.79	3 17/32	2 1/4	0.242	0.119	
2 7/8	NC26	3 5/8	1 1/2	9,000	390,300	4,900	0.62	9	10	7.69	3 17/32	1 3/8	0.235	0.118	2 7/8
	HT26	3 1/2	1 1/2	12,100	390,300	7,300	0.83	9	12	7.66	3 5/16	1 3/8	0.234	0.117	
	NC31	4 1/8	2 1/8	11,900	447,100	6,400	0.82	9	11	7.97	3 29/32	2	0.240	0.122	
	/PAC	3 1/8	1 1/2	5,700	273,000	3,200	0.39	9	10	7.18	NA	1 3/8	0.235	0.110	
	OH	3 7/8	2 5/32	8,800	345,500	4,800	0.61	9	11	7.61	3 23/32	2 1/32	0.240	0.116	
	XT26	3 3/8	1 3/4	11,600	290,900	7,000	0.80	10	15	7.48	3 7/32	1 5/8	0.235	0.114	
	HT31	4	2 5/32	14,900	434,500	8,900	1.03	9	13	7.89	3 25/32	2 1/32	0.240	0.121	
	XT31	4	2 3/8	12,900	309,100	7,700	0.89	10	15	7.79	3 21/32	2 1/4	0.242	0.119	
2 7/8	HT26	3 1/2	1 1/2	12,100	390,300	7,300	0.80	9	12	7.66	3 11/32	1 3/8	0.234	0.117	2 7/8
	XT26	3 3/8	1 3/4	11,600	290,900	7,000	0.77	10	15	7.48	3 7/32	1 5/8	0.235	0.114	
	HT31	4	2 5/32	14,900	434,500	8,900	0.99	9	13	7.89	3 3/4	2 1/32	0.240	0.121	
	XT31	4	2 3/8	12,900	309,100	7,700	0.85	10	15	7.79	3 21/32	2 1/4	0.242	0.119	
	HT26	3 1/2	1 1/2	12,100	390,300	7,300	0.75	9	12	7.66	3 3/8	1 3/8	0.234	0.117	2 7/8
	XT26	3 3/8	1 3/4	11,600	290,900	7,000	0.72	10	15						

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
2 7/8	10.40	X-95 EU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 IU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 EU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 IU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 EU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 IU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 EU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 IU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 EU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
	10.40	X-95 IU	14,600	271,500	0.362	2.151	2.858	2.303	4.606	20,933	20,911
2 7/8	10.40	G-105 EU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 IU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 EU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 IU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 EU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 IU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 EU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 IU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 EU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
	10.40	G-105 IU	16,200	300,100	0.362	2.151	2.858	2.303	4.606	23,137	23,112
2 7/8	10.40	S-135 EU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 IU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 EU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 IU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 EU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 IU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 EU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 IU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 EU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
	10.40	S-135 IU	20,800	385,800	0.362	2.151	2.858	2.303	4.606	29,747	29,716
2 7/8	10.40	Z-140 IU	21,600	400,100	0.362	2.151	2.858	2.303	4.606	30,849	30,817
	10.40	Z-140 EU	21,600	400,100	0.362	2.151	2.858	2.303	4.606	30,849	30,817
	10.40	Z-140 IU	21,600	400,100	0.362	2.151	2.858	2.303	4.606	30,849	30,817
	10.40	Z-140 EU	21,600	400,100	0.362	2.151	2.858	2.303	4.606	30,849	30,817
	10.40	Z-140 IU	21,600	400,100	0.362	2.151	2.858	2.303	4.606	30,849	30,817
2 7/8	10.40	V-150 IU	23,100	428,700	0.362	2.151	2.858	2.303	4.606	33,052	33,018
	10.40	V-150 EU	23,100	428,700	0.362	2.151	2.858	2.303	4.606	33,052	33,018
	10.40	V-150 IU	23,100	428,700	0.362	2.151	2.858	2.303	4.606	33,052	33,018
	10.40	V-150 EU	23,100	428,700	0.362	2.151	2.858	2.303	4.606	33,052	33,018
	10.40	V-150 IU	23,100	428,700	0.362	2.151	2.858	2.303	4.606	33,052	33,018
3 1/2	9.50	E-75 EU	14,100	194,300	0.254	2.992	2.590	3.432	6.865	9,525	10,001
	9.50	E-75 IU	14,100	194,300	0.254	2.992	2.590	3.432	6.865	9,525	10,001
	9.50	E-75 EU	14,100	194,300	0.254	2.992	2.590	3.432	6.865	9,525	10,001
	9.50	E-75 IU	14,100	194,300	0.254	2.992	2.590	3.432	6.865	9,525	10,001
	9.50	E-75 EU	14,100	194,300	0.254	2.992	2.590	3.432	6.865	9,525	10,001
	9.50	E-75 IU	14,100	194,300	0.254	2.992	2.590	3.432	6.865	9,525	10,001
	9.50	E-75 EU	14,100	194,300	0.254	2.992	2.590	3.432	6.865	9,525	10,001
	9.50	E-75 IU	14,100	194,300	0.254	2.992	2.590	3.432	6.865	9,525	10,001

Tool Joint Data										Assembly Data					
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint O.D. for Prem. Class	Drift Diameter	Capacity	Displacement	Size O.D.	
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.	
2 7/8	NC31	4 1/8	2	13,200	495,700	7,100	0.90	9	11	11.32	3 29/32	1 7/8	0.187	0.173	2 7/8
	NC26	3 1/2	1 1/2	8,800	390,300	4,900	0.60	9	10	10.80	NA	1 3/8	0.183	0.165	
	PAC	3 1/8	1 1/2	5,700	273,000	3,200	0.39	9	11	10.46	NA	1 3/8	0.183	0.160	
	OH	3 7/8	2 5/32	8,800	345,500	4,800	0.60	9	11	10.84	3 23/32	2 1/32	0.189	0.166	
	SLH90	4 1/8	2 5/32	11,500	382,800	5,900	0.79	9	11	11.16	3 11/16	2 1/32	0.189	0.171	
	HTPAC	3 1/8	1 1/2	8,500	273,000	5,100	0.58	9	13	10.51	3 1/8	1 3/8	0.183	0.161	
	HT26	3 1/2	1 1/2	12,100	390,300	7,300	0.83	9	12	10.89	3 5/16	1 3/8	0.183	0.167	
	HT31	4 1/8	2 5/32	16,000	434,500	9,600	1.10	9	13	11.27	3 25/32	2 1/32	0.189	0.172	
	XT26	3 1/2	1 1/2	14,900	367,400	8,900	1.02	10	15	11.05	3 3/32	1 3/8	0.182	0.169	
	XT31	4	2 5/32	17,700	402,500	10,600	1.21	10	15	11.25	3 17/32	2 1/32	0.189	0.172	
2 7/8	NC31	4 1/8	2	13,200	495,700	7,100	0.81	9	11	11.32	3 15/16	1 7/8	0.187	0.173	2 7/8
	NC26	3 1/2	1 1/2	8,800	390,300	4,900	0.54	9	10	10.80	NA	1 3/8	0.183	0.165	
	PAC	3 1/8	1 3/8	6,500	306,900	3,600	0.40	9	11	10.54	NA	1 1/4	0.183	0.161	
	OH	3 7/8	2 5/32	8,800	345,500	4,800	0.54	9	11	10.84	3 3/4	2 1/32	0.189	0.166	
	SLH90	4 1/8	2	13,300	444,000	6,900	0.82	9	11	11.32	3 23/32	1 7/8	0.187	0.173	
	HTPAC	3 1/8	1 3/8	9,800	306,900	5,900	0.60	9	13	10.60	NA	1 1/4	0.182	0.162	
	HT26	3 5/8	1 1/2	13,100	390,300	7,900	0.81	9	12	11.03	3 3/8	1 3/8	0.183	0.169	
	HT31	4 1/8	2 5/32	16,000	434,500	9,600	0.99	9	13	11.27	3 25/32	2 1/32	0.189	0.172	
	XT26	3 1/2	1 1/2	14,900	367,400	8,900	0.92	10	15	11.05	3 5/32	1 3/8	0.182	0.169	
	XT31	4	2 5/32	17,700	402,500	10,600	1.09	10	15	11.25	3 9/16	2 1/32	0.189	0.172	
2 7/8	NC31	4 3/8	1 5/8	16,900	623,800	9,000	0.81	9	11	11.98	4 1/16	1 1/2	0.184	0.183	2 7/8
	NC26	3 5/8	1 1/2	9,000	390,300	4,900	0.43	9	10	10.94	NA	1 3/8	0.183	0.167	
	OH	3 7/8	2	10,400	406,700	5,700	0.50	9	11	11.00	NA	1 7/8	0.187	0.168	
	SLH90	4 1/8	2	13,300	444,000	6,900	0.64	9	11	11.32	3 27/32	1 7/8	0.187	0.173	
	HT26	3 5/8	1 1/2	13,100	390,300	7,900	0.63	9	12	11.03	3 9/16	1 3/8	0.183	0.169	
	HT31	4 1/8	2	18,900	495,700	11,300	0.91	9	13	11.44	3 27/32	1 7/8	0.187	0.175	
	XT26	3 1/2	1 3/8	16,000	401,300	9,600	0.77	10	15	11.15	3 5/16	1 1/4	0.181	0.171	
	XT31	4	2 5/32	17,700	402,500	10,600	0.85	10	15	11.25	3 23/32	2 1/32	0.189	0.172	
	GPDS31	4 1/8	2	17,200	495,700	10,300	0.83	9	11	11.32	3 15/16	1 7/8	0.187	0.173	
	HT26	3 5/8	1 3/8	14,500	424,100	8,700	0.67	9	12	11.12	3 9/16	1 1/4	0.182	0.170	2 7/8
HT31	4 1/8	2	18,900	495,700	11,300	0.88	9	13	11.44	3 7/8	1 7/8	0.187	0.175		
XT26	3 1/2	1 1/4	16,500	432,200	9,900	0.76	10	15	11.24	3 5/16	1 1/8	0.180	0.172		
XT31	4	2 5/32	17,700	402,500	10,600	0.82	10	15	11.25	3 3/4	2 1/32	0.189	0.172		
GPDS31	4 1/8	2	17,200	495,700	10,300	0.80	9	11	11.32	3 15/16	1 7/8	0.187	0.173		
2 7/8	HT26	3 5/8	1 1/4	15,300	455,100	9,200	0.66	9	12	11.20	3 9/16	1 1/8	0.181	0.171	2 7/8
	HT31	4 1/8	2	18,900	495,700	11,300	0.82	9	13	11.44	3 29/32	1 7/8	0.187	0.175	
	XT26	3 1/2	1 1/4	16,500	432,200	9,900	0.71	10	15	11.24	3 3/8	1 1/8	0.180	0.172	
	XT31	4	2	20,100	463,700	12,100	0.87	10	15	11.43	3 23/32	1 7/8	0.187	0.175	
	GPDS31	4 1/8	1 7/8	18,200	541,400	10,900	0.79	9	11	11.44	3 15/16	1 3/4	0.186	0.175	
3 1/2	NC38	4 3/4	2 11/16	18,100	587,300	9,700	1.28	10	12.5	11.14	4 13/32	2 9/16	0.361	0.170	3 1/2
	NC31	4 1/8	2 1/8	11,900	447,100	6,400	0								

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
3 1/2	9.50	X-95 EU	17,900	246,100	0.254	2.992	2.590	3.432	6.865	12,065	12,077
	9.50	X-95 IU	17,900	246,100	0.254	2.992	2.590	3.432	6.865	12,065	12,077
	9.50	X-95 EU	17,900	246,100	0.254	2.992	2.590	3.432	6.865	12,065	12,077
	9.50	X-95 EU	17,900	246,100	0.254	2.992	2.590	3.432	6.865	12,065	12,077
	9.50	X-95 IU	17,900	246,100	0.254	2.992	2.590	3.432	6.865	12,065	12,077
	9.50	X-95 EU	17,900	246,100	0.254	2.992	2.590	3.432	6.865	12,065	12,077
	9.50	X-95 EU	17,900	246,100	0.254	2.992	2.590	3.432	6.865	12,065	12,077
3 1/2	9.50	G-105 EU	19,800	272,000	0.254	2.992	2.590	3.432	6.865	13,335	13,055
	9.50	G-105 IU	19,800	272,000	0.254	2.992	2.590	3.432	6.865	13,335	13,055
	9.50	G-105 IU	19,800	272,000	0.254	2.992	2.590	3.432	6.865	13,335	13,055
	9.50	G-105 EU	19,800	272,000	0.254	2.992	2.590	3.432	6.865	13,335	13,055
	9.50	G-105 EU	19,800	272,000	0.254	2.992	2.590	3.432	6.865	13,335	13,055
	9.50	G-105 IU	19,800	272,000	0.254	2.992	2.590	3.432	6.865	13,335	13,055
	9.50	G-105 IU	19,800	272,000	0.254	2.992	2.590	3.432	6.865	13,335	13,055
3 1/2	9.50	S-135 EU	25,500	349,700	0.254	2.992	2.590	3.432	6.865	17,145	15,748
	9.50	S-135 IU	25,500	349,700	0.254	2.992	2.590	3.432	6.865	17,145	15,748
	9.50	S-135 IU	25,500	349,700	0.254	2.992	2.590	3.432	6.865	17,145	15,748
	9.50	S-135 EU	25,500	349,700	0.254	2.992	2.590	3.432	6.865	17,145	15,748
	9.50	S-135 EU	25,500	349,700	0.254	2.992	2.590	3.432	6.865	17,145	15,748
	9.50	S-135 IU	25,500	349,700	0.254	2.992	2.590	3.432	6.865	17,145	15,748
	9.50	S-135 EU	25,500	349,700	0.254	2.992	2.590	3.432	6.865	17,145	15,748
3 1/2	9.50	Z-140 IU	26,400	362,600	0.254	2.992	2.590	3.432	6.865	17,780	16,158
	9.50	Z-140 EU	26,400	362,600	0.254	2.992	2.590	3.432	6.865	17,780	16,158
	9.50	Z-140 IU	26,400	362,600	0.254	2.992	2.590	3.432	6.865	17,780	16,158
	9.50	Z-140 EU	26,400	362,600	0.254	2.992	2.590	3.432	6.865	17,780	16,158
3 1/2	9.50	V-150 IU	28,300	388,500	0.254	2.992	2.590	3.432	6.865	19,050	16,943
	9.50	V-150 EU	28,300	388,500	0.254	2.992	2.590	3.432	6.865	19,050	16,943
	9.50	V-150 IU	28,300	388,500	0.254	2.992	2.590	3.432	6.865	19,050	16,943
	9.50	V-150 EU	28,300	388,500	0.254	2.992	2.590	3.432	6.865	19,050	16,943
3 1/2	13.30	E-75 EU	18,600	271,600	0.368	2.764	3.621	4.501	9.002	13,800	14,113
	13.30	E-75 IU	18,600	271,600	0.368	2.764	3.621	4.501	9.002	13,800	14,113
	13.30	E-75 IU	18,600	271,600	0.368	2.764	3.621	4.501	9.002	13,800	14,113
	13.30	E-75 EU	18,600	271,600	0.368	2.764	3.621	4.501	9.002	13,800	14,113
	13.30	E-75 EU	18,600	271,600	0.368	2.764	3.621	4.501	9.002	13,800	14,113
	13.30	E-75 IU	18,600	271,600	0.368	2.764	3.621	4.501	9.002	13,800	14,113
	13.30	E-75 IU	18,600	271,600	0.368	2.764	3.621	4.501	9.002	13,800	14,113
	13.30	E-75 EU	18,600	271,600	0.368	2.764	3.621	4.501	9.002	13,800	14,113
3 1/2	13.30	X-95 EU	23,500	344,000	0.368	2.764	3.621	4.501	9.002	17,480	17,877
	13.30	X-95 IU	23,500	344,000	0.368	2.764	3.621	4.501	9.002	17,480	17,877
	13.30	X-95 IU	23,500	344,000	0.368	2.764	3.621	4.501	9.002	17,480	17,877
	13.30	X-95 EU	23,500	344,000	0.368	2.764	3.621	4.501	9.002	17,480	17,877
	13.30	X-95 EU	23,500	344,000	0.368	2.764	3.621	4.501	9.002	17,480	17,877
	13.30	X-95 IU	23,500	344,000	0.368	2.764	3.621	4.501	9.002	17,480	17,877
	13.30	X-95 IU	23,500	344,000	0.368	2.764	3.621	4.501	9.002	17,480	17,877
	13.30	X-95 EU	23,500	344,000	0.368	2.764	3.621	4.501	9.002	17,480	17,877
3 1/2	13.30	G-105 EU	26,000	380,200	0.368	2.764	3.621	4.501	9.002	19,320	19,758
	13.30	G-105 IU	26,000	380,200	0.368	2.764	3.621	4.501	9.002	19,320	19,758
	13.30	G-105 IU	26,000	380,200	0.368	2.764	3.621	4.501	9.002	19,320	19,758
	13.30	G-105 EU	26,000	380,200	0.368	2.764	3.621	4.501	9.002	19,320	19,758
	13.30	G-105 EU	26,000	380,200	0.368	2.764	3.621	4.501	9.002	19,320	19,758
	13.30	G-105 IU	26,000	380,200	0.368	2.764	3.621	4.501	9.002	19,320	19,758
	13.30	G-105 IU	26,000	380,200	0.368	2.764	3.621	4.501	9.002	19,320	19,758
	13.30	G-105 EU	26,000	380,200	0.368	2.764	3.621	4.501	9.002	19,320	19,758

Tool Joint Data										Assembly Data					
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint O.D. for		Displacement	Size OD		
										Prem. Class	Drift Diameter			Capacity	US gal/ft
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.	
3 1/2	NC38	4 3/4	2 11/16	18,100	587,300	9,700	1.01	10	12.5	11.14	4 15/32	2 9/16	0.361	0.170	3 1/2
	NC31	4 1/8	2	13,200	495,700	7,100	0.74	9	11	10.70	4	1 7/8	0.354	0.164	
	HT31	4 1/8	2 1/8	16,600	447,100	10,000	0.93	9	13	10.70	3 13/16	2	0.354	0.164	
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	1.41	10	15.5	11.38	4 1/4	2 9/16	0.360	0.174	
	SLH90	4 3/4	2 11/16	18,700	534,200	11,100	1.04	10	12.5	11.14	4 9/32	2 9/16	0.361	0.170	
	XT31	4	2 1/8	18,300	415,100	11,000	1.02	10	15	10.68	3 5/8	2	0.353	0.163	
XT38	4 5/8	2 13/16	24,000	473,000	14,400	1.34	10	15	10.92	4 3/32	2 11/16	0.362	0.167		
3 1/2	NC38	4 3/4	2 11/16	18,100	587,300	9,700	0.91	10	12.5	11.14	4 17/32	2 9/16	0.361	0.170	3 1/2
	NC31	4 1/8	2	13,200	495,700	7,100	0.67	9	11	10.70	4 1/16	1 7/8	0.354	0.164	
	HT31	4 1/8	2	18,900	495,700	11,300	0.95	9	13	10.83	3 27/32	1 7/8	0.353	0.166	
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	1.28	10	15.5	11.38	4 9/32	2 9/16	0.360	0.174	
	SLH90	4 3/4	2 11/16	18,700	534,200	11,100	0.94	10	12.5	11.14	4 7/16	2 9/16	0.361	0.170	
	XT31	4	2 1/8	18,300	415,100	11,000	0.92	10	15	10.68	3 11/16	2	0.353	0.163	
XT38	4 5/8	2 13/16	24,000	473,000	14,400	1.21	10	15	10.92	4 5/32	2 11/16	0.362	0.167		
3 1/2	NC38	5	2 9/16	20,300	649,200	10,700	0.80	10	12.5	11.75	4 21/32	2 7/16	0.359	0.180	3 1/2
	NC31	4 1/8	2	13,200	495,700	7,100	0.52	9	11	10.70	NA	1 7/8	0.354	0.164	
	HT31	4 1/8	2	18,900	495,700	11,300	0.74	9	13	10.83	4	1 7/8	0.353	0.166	
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	0.99	10	15.5	11.38	4 7/16	2 9/16	0.360	0.174	
	SLH90	4 3/4	2 9/16	20,900	596,100	12,400	0.82	10	12.5	11.31	4 7/16	2 7/16	0.359	0.173	
	XT31	4	2	20,100	463,700	12,100	0.79	10	15	10.82	3 13/16	1 7/8	0.351	0.166	
XT38	4 5/8	2 13/16	24,000	473,000	14,400	0.94	10	15	10.92	4 9/32	2 11/16	0.362	0.167		
3 1/2	HT31	4 1/8	2	18,900	495,700	11,300	0.72	9	13	10.83	4 1/32	1 7/8	0.353	0.166	3 1/2
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	0.96	10	15.5	11.38	4 15/32	2 9/16	0.360	0.174	
	XT31	4	2	20,100	463,700	12,100	0.76	10	15	10.82	3 27/32	1 7/8	0.351	0.166	
	XT38	4 5/8	2 13/16	24,000	473,000	14,400	0.91	10	15	10.92	4 5/16	2 11/16	0.362	0.167	
	HT31	4 1/4	1 3/4	23,400	584,100	14,000	0.83	9	13	11.26	4	1 5/8	0.350	0.172	3 1/2
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	0.89	10	15.5	11.38	4 1/2	2 9/16	0.360	0.174	
3 1/2	XT31	4	2	20,100	463,700	12,100	0.71	10	15	10.82	3 29/32	1 7/8	0.351	0.166	
	XT38	4 5/8	2 13/16	24,000	473,000	14,400	0.85	10	15	10.92	4 11/32	2 11/16	0.362	0.167	
	NC38	4 3/4	2 11/16	18,100	587,300	9,700	0.97	10	12.5	14.30	4 1/2	2 9/16	0.311	0.219	3 1/2
	NC31	4 1/8	2	13,200	495,700	7,100	0.71	9	11	13.88	4 1/32	1 7/8	0.303	0.212	
	HT31	4 1/8	2 1/8	16,600	447,100	10,000	0.89	9	13	13.86	3 27/32	2	0.304	0.212	
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	1.36	10	15.5	14.51	4 1/4	2 9/16	0.310	0.222	
3 1/2	SLH90	4 3/4	2 13/16	16,400	469,400	9,800	0.88	10	12.5	14.13	4 9/32	2 11/16	0.312	0.216	
	XT31	4	2 1/8	18,300	415,100	11,000	0.98	10	15	13.82	3 21/32	2			

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
3 1/2	13.30	S-135 EU	33,400	488,800	0.368	2.764	3.621	4.501	9.002	24,840	25,404
	13.30	S-135 IU	33,400	488,800	0.368	2.764	3.621	4.501	9.002	24,840	25,404
	13.30	S-135 IU	33,400	488,800	0.368	2.764	3.621	4.501	9.002	24,840	25,404
	13.30	S-135 EU	33,400	488,800	0.368	2.764	3.621	4.501	9.002	24,840	25,404
	13.30	S-135 EU	33,400	488,800	0.368	2.764	3.621	4.501	9.002	24,840	25,404
	13.30	S-135 IU	33,400	488,800	0.368	2.764	3.621	4.501	9.002	24,840	25,404
	13.30	S-135 EU	33,400	488,800	0.368	2.764	3.621	4.501	9.002	24,840	25,404
	13.30	S-135 EU	33,400	488,800	0.368	2.764	3.621	4.501	9.002	24,840	25,404
3 1/2	13.30	Z-140 IU	34,600	506,900	0.368	2.764	3.621	4.501	9.002	25,760	26,345
	13.30	Z-140 EU	34,600	506,900	0.368	2.764	3.621	4.501	9.002	25,760	26,345
	13.30	Z-140 IU	34,600	506,900	0.368	2.764	3.621	4.501	9.002	25,760	26,345
	13.30	Z-140 EU	34,600	506,900	0.368	2.764	3.621	4.501	9.002	25,760	26,345
	13.30	Z-140 EU	34,600	506,900	0.368	2.764	3.621	4.501	9.002	25,760	26,345
3 1/2	13.30	V-150 IU	37,100	543,100	0.368	2.764	3.621	4.501	9.002	27,600	28,226
	13.30	V-150 EU	37,100	543,100	0.368	2.764	3.621	4.501	9.002	27,600	28,226
	13.30	V-150 IU	37,100	543,100	0.368	2.764	3.621	4.501	9.002	27,600	28,226
	13.30	V-150 EU	37,100	543,100	0.368	2.764	3.621	4.501	9.002	27,600	28,226
	13.30	V-150 EU	37,100	543,100	0.368	2.764	3.621	4.501	9.002	27,600	28,226
3 1/2	15.50	E-75 EU	21,100	322,800	0.449	2.602	4.304	5.116	10.232	16,838	16,774
	15.50	E-75 EU	21,100	322,800	0.449	2.602	4.304	5.116	10.232	16,838	16,774
	15.50	E-75 EU	21,100	322,800	0.449	2.602	4.304	5.116	10.232	16,838	16,774
3 1/2	15.50	X-95 EU	26,700	408,800	0.449	2.602	4.304	5.116	10.232	21,328	21,247
	15.50	X-95 EU	26,700	408,800	0.449	2.602	4.304	5.116	10.232	21,328	21,247
	15.50	X-95 EU	26,700	408,800	0.449	2.602	4.304	5.116	10.232	21,328	21,247
3 1/2	15.50	G-105 EU	29,500	451,900	0.449	2.602	4.304	5.116	10.232	23,573	23,484
	15.50	G-105 EU	29,500	451,900	0.449	2.602	4.304	5.116	10.232	23,573	23,484
	15.50	G-105 EU	29,500	451,900	0.449	2.602	4.304	5.116	10.232	23,573	23,484
	15.50	G-105 EU	29,500	451,900	0.449	2.602	4.304	5.116	10.232	23,573	23,484
3 1/2	15.50	S-135 EU	38,000	581,000	0.449	2.602	4.304	5.116	10.232	30,308	30,194
	15.50	S-135 EU	38,000	581,000	0.449	2.602	4.304	5.116	10.232	30,308	30,194
	15.50	S-135 EU	38,000	581,000	0.449	2.602	4.304	5.116	10.232	30,308	30,194
	15.50	S-135 EU	38,000	581,000	0.449	2.602	4.304	5.116	10.232	30,308	30,194
	15.50	S-135 EU	38,000	581,000	0.449	2.602	4.304	5.116	10.232	30,308	30,194
	15.50	S-135 EU	38,000	581,000	0.449	2.602	4.304	5.116	10.232	30,308	30,194
	15.50	S-135 EU	38,000	581,000	0.449	2.602	4.304	5.116	10.232	30,308	30,194
3 1/2	15.50	Z-140 EU	39,400	602,500	0.449	2.602	4.304	5.116	10.232	31,430	31,312
	15.50	Z-140 EU	39,400	602,500	0.449	2.602	4.304	5.116	10.232	31,430	31,312
	15.50	Z-140 EU	39,400	602,500	0.449	2.602	4.304	5.116	10.232	31,430	31,312
	15.50	Z-140 EU	39,400	602,500	0.449	2.602	4.304	5.116	10.232	31,430	31,312
3 1/2	15.50	V-150 EU	42,200	645,500	0.449	2.602	4.304	5.116	10.232	33,675	33,549
	15.50	V-150 EU	42,200	645,500	0.449	2.602	4.304	5.116	10.232	33,675	33,549
	15.50	V-150 EU	42,200	645,500	0.449	2.602	4.304	5.116	10.232	33,675	33,549
	15.50	V-150 EU	42,200	645,500	0.449	2.602	4.304	5.116	10.232	33,675	33,549
4	11.85	E-75 IU	19,500	230,800	0.262	3.476	3.077	5.400	10.800	8,597	8,381
	11.85	E-75 IU	19,500	230,800	0.262	3.476	3.077	5.400	10.800	8,597	8,381
	11.85	E-75 IU	19,500	230,800	0.262	3.476	3.077	5.400	10.800	8,597	8,381
	11.85	E-75 IU	19,500	230,800	0.262	3.476	3.077	5.400	10.800	8,597	8,381
	11.85	E-75 IU	19,500	230,800	0.262	3.476	3.077	5.400	10.800	8,597	8,381
4	11.85	X-95 IU	24,700	292,300	0.262	3.476	3.077	5.400	10.800	10,889	9,978
	11.85	X-95 IU	24,700	292,300	0.262	3.476	3.077	5.400	10.800	10,889	9,978
	11.85	X-95 IU	24,700	292,300	0.262	3.476	3.077	5.400	10.800	10,889	9,978
	11.85	X-95 IU	24,700	292,300	0.262	3.476	3.077	5.400	10.800	10,889	9,978
	11.85	X-95 IU	24,700	292,300	0.262	3.476	3.077	5.400	10.800	10,889	9,978
	11.85	X-95 IU	24,700	292,300	0.262	3.476	3.077	5.400	10.800	10,889	9,978

Tool Joint Data										Assembly Data					
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint OD for Prem. Class	Drift Diameter	Capacity	Displacement	Size OD	
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.	
3 1/2	NC38	5	2 1/8	26,500	842,400	14,000	0.79	10	12.5	15.45	4 13/16	2	0.303	0.236	3 1/2
	NC31	4 1/8	2	13,200	495,700	7,100	0.40	9	11	13.88	NA	1 7/8	0.303	0.212	
	HT31	4 1/8	2	18,900	495,700	11,300	0.57	9	13	13.99	NA	1 7/8	0.302	0.214	
	HT38	4 3/4	2 9/16	26,900	649,200	16,100	0.81	10	15.5	14.69	4 9/16	2 7/16	0.309	0.225	
	SLH90	4 3/4	2 9/16	20,900	596,100	12,400	0.63	10	12.5	14.47	4 19/32	2 7/16	0.309	0.221	
	XT31	4 1/8	1 7/8	23,100	509,400	13,900	0.69	10	15	14.29	4	1 3/4	0.300	0.219	
	XT38	4 3/4	2 11/16	27,900	537,800	16,700	0.84	10	15	14.47	4 13/32	2 9/16	0.310	0.221	
	GPDS38	4 7/8	2 9/16	25,700	649,200	15,400	0.79	10	12.5	14.68	4 11/16	2 7/16	0.309	0.225	
	HT31	4 1/8	1 7/8	19,900	541,400	11,900	0.58	9	13	14.12	NA	1 3/4	0.301	0.216	3 1/2
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	0.73	10	15.5	14.51	4 5/8	2 9/16	0.310	0.222	
XT31	4 1/8	1 3/4	24,800	552,100	14,900	0.72	10	15	14.42	4	1 5/8	0.299	0.221		
XT38	4 5/8	2 11/16	27,500	537,800	16,500	0.79	10	15	14.25	4 7/16	2 9/16	0.311	0.218		
GPDS38	4 7/8	2 1/2	27,400	679,000	16,400	0.79	10	12.5	14.77	4 11/16	2 3/8	0.308	0.226		
HT31	4 1/4	1 3/4	23,400	584,100	14,000	0.63	9	13	14.42	4 1/4	1 5/8	0.300	0.221	3 1/2	
HT38	4 3/4	2 11/16	25,300	587,300	15,200	0.68	10	15.5	14.51	4 11/16	2 9/16	0.310	0.222		
XT31	4 1/8	1 3/4	24,800	552,100	14,900	0.67	10	15	14.42	4 1/16	1 5/8	0.299	0.221		
XT38	4 3/4	2 9/16	31,500	599,600	18,900	0.85	10	15	14.65	4 13/32	2 7/16	0.309	0.224		
GPDS38	5	2 7/16	29,200	708,100	17,500	0.79	10	12.5	15.07	4 11/16	2 5/16	0.307	0.231		
NC38	4 3/4	2 9/16	19,200	649,200	10,700	0.91	10	12.5	16.56	4 17/32	2 7/16	0.276	0.253	3 1/2	
HT38	4 3/4	2 11/16	25,300	587,300	15,200	1.20	10	15.5	16.60	4 5/16	2 9/16	0.278	0.254		
XT38	4 3/4	2 9/16	31,500	599,600	18,900	1.49	10	15	16.73	4 1/32	2 7/16	0.276	0.256		
NC38	5	2 7/16	22,200	708,100	11,700	0.83	10	12.5	17.16	4 21/32	2 5/16	0.274	0.262	3 1/2	
HT38	4 3/4	2 11/16	25,300	587,300	15,200	0.95	10	15.5	16.60	4 7/16	2 9/16	0.278	0.254		
XT38	4 3/4	2 9/16	31,500	599,600	18,900	1.18	10	15	16.73	4 5/32	2 7/16	0.276	0.256		
NC38	5	2 1/8	26,500	842,400	14,000	0.90	10	12.5	17.54	4 23/32	2	0.270	0.268	3 1/2	
HT38	4 3/4	2 9/16	26,900	649,200	16,100	0.91	10	15.5	16.77	4 7/16	2 7/16	0.276	0.256		
NC40	5 1/4	2 9/16	27,800	838,300	14,600	0.94	9	12	17.30	4 15/16	2 7/16	0.276	0.265		
XT38	4 3/4	2 9/16	31,500	599,600	18,900	1.07	10	15	16.73	4 7/32	2 7/16	0.276	0.256		
NC38	5	2 1/8	26,500	842,400	14,000	0.70	10	12.5	17.54	4 29/32	2	0.270	0.268	3 1/2	
HT38	4 3/4	2 7/16	28,400	708,100	17,000	0.75	10	12.5	16.72	4 19/32	2 5/16	0.274	0.256		
NC40	5 1/2	2 1/4	32,900	980,000	17,100	0.87	10	12.5	18.35	5 3/32	2 1/8	0.271	0.281		
XT38	4 3/4	2 9/16	31,500	599,600	18,900	0.83	10	15	16.73	4 7/16	2 7/16	0.276	0.256		
XT39	5	2 9/16	40,800	729,700	24,500	1.07	10	15	17.20	4 7/16	2 7/16	0.276	0.263		
GPDS38	5	2 3/8	30,800	736,400	18,500	0.81	10	12.5	17.24	4 11/16	2 1/4	0.273	0.264		

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
4	11.85	G-105 IU	27,300	323,100	0.262	3.476	3.077	5.400	10.800	12,036	10,708
	11.85	G-105 IU	27,300	323,100	0.262	3.476	3.077	5.400	10.800	12,036	10,708
	11.85	G-105 IU	27,300	323,100	0.262	3.476	3.077	5.400	10.800	12,036	10,708
	11.85	G-105 IU	27,300	323,100	0.262	3.476	3.077	5.400	10.800	12,036	10,708
	11.85	G-105 IU	27,300	323,100	0.262	3.476	3.077	5.400	10.800	12,036	10,708
4	11.85	S-135 IU	35,100	415,400	0.262	3.476	3.077	5.400	10.800	15,474	12,618
	11.85	S-135 IU	35,100	415,400	0.262	3.476	3.077	5.400	10.800	15,474	12,618
	11.85	S-135 IU	35,100	415,400	0.262	3.476	3.077	5.400	10.800	15,474	12,618
	11.85	S-135 IU	35,100	415,400	0.262	3.476	3.077	5.400	10.800	15,474	12,618
	11.85	S-135 IU	35,100	415,400	0.262	3.476	3.077	5.400	10.800	15,474	12,618
4	11.85	Z-140 IU	36,400	430,700	0.262	3.476	3.077	5.400	10.800	16,048	12,894
	11.85	Z-140 IU	36,400	430,700	0.262	3.476	3.077	5.400	10.800	16,048	12,894
	11.85	Z-140 IU	36,400	430,700	0.262	3.476	3.077	5.400	10.800	16,048	12,894
4	11.85	V-150 IU	38,900	461,500	0.262	3.476	3.077	5.400	10.800	17,194	13,404
	11.85	V-150 IU	38,900	461,500	0.262	3.476	3.077	5.400	10.800	17,194	13,404
	11.85	V-150 IU	38,900	461,500	0.262	3.476	3.077	5.400	10.800	17,194	13,404
4	14.00	E-75 IU	23,300	285,400	0.330	3.340	3.805	6.458	12.915	10,828	11,354
	14.00	E-75 IU	23,300	285,400	0.330	3.340	3.805	6.458	12.915	10,828	11,354
	14.00	E-75 IU	23,300	285,400	0.330	3.340	3.805	6.458	12.915	10,828	11,354
	14.00	E-75 IU	23,300	285,400	0.330	3.340	3.805	6.458	12.915	10,828	11,354
	14.00	E-75 EU	23,300	285,400	0.330	3.340	3.805	6.458	12.915	10,828	11,354
	14.00	E-75 IU	23,300	285,400	0.330	3.340	3.805	6.458	12.915	10,828	11,354
	14.00	E-75 IU	23,300	285,400	0.330	3.340	3.805	6.458	12.915	10,828	11,354
4	14.00	X-95 IU	29,500	361,500	0.330	3.340	3.805	6.458	12.915	13,716	14,382
	14.00	X-95 IU	29,500	361,500	0.330	3.340	3.805	6.458	12.915	13,716	14,382
	14.00	X-95 IU	29,500	361,500	0.330	3.340	3.805	6.458	12.915	13,716	14,382
	14.00	X-95 IU	29,500	361,500	0.330	3.340	3.805	6.458	12.915	13,716	14,382
	14.00	X-95 EU	29,500	361,500	0.330	3.340	3.805	6.458	12.915	13,716	14,382
	14.00	X-95 IU	29,500	361,500	0.330	3.340	3.805	6.458	12.915	13,716	14,382
	14.00	X-95 IU	29,500	361,500	0.330	3.340	3.805	6.458	12.915	13,716	14,382
4	14.00	G-105 IU	32,600	399,500	0.330	3.340	3.805	6.458	12.915	15,159	15,896
	14.00	G-105 IU	32,600	399,500	0.330	3.340	3.805	6.458	12.915	15,159	15,896
	14.00	G-105 IU	32,600	399,500	0.330	3.340	3.805	6.458	12.915	15,159	15,896
	14.00	G-105 IU	32,600	399,500	0.330	3.340	3.805	6.458	12.915	15,159	15,896
	14.00	G-105 EU	32,600	399,500	0.330	3.340	3.805	6.458	12.915	15,159	15,896
	14.00	G-105 IU	32,600	399,500	0.330	3.340	3.805	6.458	12.915	15,159	15,896
	14.00	G-105 IU	32,600	399,500	0.330	3.340	3.805	6.458	12.915	15,159	15,896
4	14.00	S-135 IU	41,900	513,600	0.330	3.340	3.805	6.458	12.915	19,491	20,141
	14.00	S-135 IU	41,900	513,600	0.330	3.340	3.805	6.458	12.915	19,491	20,141
	14.00	S-135 IU	41,900	513,600	0.330	3.340	3.805	6.458	12.915	19,491	20,141
	14.00	S-135 IU	41,900	513,600	0.330	3.340	3.805	6.458	12.915	19,491	20,141
	14.00	S-135 EU	41,900	513,600	0.330	3.340	3.805	6.458	12.915	19,491	20,141
	14.00	S-135 IU	41,900	513,600	0.330	3.340	3.805	6.458	12.915	19,491	20,141
	14.00	S-135 IU	41,900	513,600	0.330	3.340	3.805	6.458	12.915	19,491	20,141
4	14.00	Z-140 IU	43,500	532,700	0.330	3.340	3.805	6.458	12.915	20,213	20,742
	14.00	Z-140 IU	43,500	532,700	0.330	3.340	3.805	6.458	12.915	20,213	20,742
	14.00	Z-140 IU	43,500	532,700	0.330	3.340	3.805	6.458	12.915	20,213	20,742
	14.00	Z-140 IU	43,500	532,700	0.330	3.340	3.805	6.458	12.915	20,213	20,742
	14.00	Z-140 IU	43,500	532,700	0.330	3.340	3.805	6.458	12.915	20,213	20,742

Tool Joint Data												Assembly Data				
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint for Prem. Class	Drift Diameter	Capacity	Displacement	Size OD		
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.		
4	NC40	5 1/4	2 13/16	23,500	711,600	12,400	0.86	9	12	13.35	4 29/32	2 11/16	0.482	0.204	4	
	SH	4 3/4	2 9/16	15,300	512,000	8,100	0.56	9	12	12.85	4 9/16	2 7/16	0.479	0.197		
	HT38	4 3/4	2 9/16	26,900	649,200	16,100	0.99	10	15.5	13.20	4 13/32	2 7/16	0.477	0.202		
	XT38	4 3/4	2 11/16	27,900	537,800	16,700	1.02	10	15	12.93	4 1/4	2 9/16	0.479	0.198		
	XT39	5	2 7/8	31,000	569,500	18,600	1.14	10	15	13.11	4 3/8	2 3/4	0.482	0.200		
4	NC40	5 1/2	2 9/16	28,100	838,300	14,600	0.80	9	12	14.17	5 1/16	2 7/16	0.478	0.217	4	
	SH	4 3/4	2 9/16	15,300	512,000	8,100	0.44	9	12	12.85	4 23/32	2 7/16	0.479	0.197		
	HT38	4 3/4	2 7/16	28,400	708,100	17,000	0.81	10	15.5	13.38	4 17/32	2 5/16	0.475	0.205		
	XT38	4 3/4	2 11/16	27,900	537,800	16,700	0.79	10	15	12.93	4 7/16	2 9/16	0.479	0.198		
	XT39	5	2 7/8	31,000	569,500	18,600	0.88	10	15	13.11	4 17/32	2 3/4	0.482	0.200		
	HT38	4 3/4	2 7/16	28,400	708,100	17,000	0.78	10	15.5	13.38	4 9/16	2 5/16	0.475	0.205	4	
	XT38	4 3/4	2 11/16	27,900	537,800	16,700	0.77	10	15	12.93	4 15/32	2 9/16	0.479	0.198		
	XT39	5	2 7/8	31,000	569,500	18,600	0.85	10	15	13.11	4 9/16	2 3/4	0.482	0.200		
	HT38	5	2 7/16	33,000	708,100	19,800	0.85	10	15.5	13.86	4 5/8	2 5/16	0.475	0.212	4	
	XT38	4 3/4	2 9/16	31,500	599,600	18,900	0.81	10	15	13.11	4 15/32	2 7/16	0.477	0.201		
	XT39	5	2 7/8	31,000	569,500	18,600	0.80	10	15	13.11	4 5/8	2 3/4	0.482	0.200		
4	NC40	5 1/4	2 13/16	23,500	711,600	12,400	1.01	9	12	15.58	4 13/16	2 11/16	0.447	0.238	4	
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	1.09	10	15.5	15.23	4 3/8	2 9/16	0.444	0.233		
	SH	4 3/4	2 7/16	17,100	570,900	9,100	0.73	9	12	15.25	4 7/16	2 5/16	0.442	0.233		
	HT40	5 1/4	2 13/16	31,900	711,600	19,100	1.37	9	15	15.88	4 19/32	2 11/16	0.446	0.243		
	NC46	6	3 1/4	33,600	901,200	17,600	1.44	9	12	16.64	5 9/32	3 1/8	0.454	0.254		
	XT38	4 3/4	2 11/16	27,900	537,800	16,700	1.20	10	15	15.20	4 5/32	2 9/16	0.444	0.232		
	XT39	5	2 13/16	33,100	603,000	19,900	1.42	10	15	15.47	4 1/4	2 11/16	0.446	0.237		
	NC40	5 1/4	2 13/16	23,500	711,600	12,400	0.80	9	12	15.58	4 15/16	2 11/16	0.447	0.238	4	
	HT38	4 3/4	2 11/16	25,300	587,300	15,200	0.86	10	15.5	15.23	4 17/32	2 9/16	0.444	0.233		
	SH	4 3/4	2 7/16	17,100	570,900	9,100	0.58	9	12	15.25	4 19/32	2 5/16	0.442	0.233		
	HT40	5 1/4	2 13/16	31,900	711,600	19,100	1.08	9	15	15.88	4 23/32	2 11/16	0.446	0.243		
	NC46	6	3 1/4	33,600	901,200	17,600	1.14	9	12	16.64	5 3/8	3 1/8	0.454	0.254		
	XT38	4 3/4	2 11/16	27,900	537,800	16,700	0.95	10	15	15.20	4 5/16	2 9/16	0.444	0.232		
	XT39	5	2 13/16	33,100	603,000	19,900	1.12	10	15	15.47	4 3/8	2 11/16	0.446	0.237		
	NC40	5 1/4	2 13/16	23,500	711,600	12,400	0.72	9	12	15.58	5	2 11/16	0.447	0.238	4	
	HT38	5	2 9/16	29,600	649,200	17,800	0.91	10	15.5	15.89	4 17/32	2 7/16	0.441	0.243		
	SH	4 3/4	2 7/16	17,100	570,900	9,100	0.52	9	12	15.25	4 21/32	2 5/16	0.442	0.233		
	HT40	5 1/4	2 13/16	31,900	711,600	19,100	0.98	9	15	15.88	4 25/32	2 11/16	0.446	0.243		
	NC46	6	3 1/4	33,600	901,200	17,600	1.03	9	12	16.64	5 7/16	3 1/8	0.454	0.254		
	XT38	4 3/4	2 11/16	27,900	537,800	16,700	0.86	10	15	15.20	4 3/8	2 9/16	0.444	0.232		
	XT39	5	2 13/16	33,100	603,000	19,900	1.02	10								

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
4	14.00	V-150 IU	46,600	570,700	0.330	3.340	3.805	6.458	12.915	21,656	21,912
4	14.00	V-150 IU	46,600	570,700	0.330	3.340	3.805	6.458	12.915	21,656	21,912
4	14.00	V-150 IU	46,600	570,700	0.330	3.340	3.805	6.458	12.915	21,656	21,912
4	14.00	V-150 IU	46,600	570,700	0.330	3.340	3.805	6.458	12.915	21,656	21,912
4	14.00	V-150 IU	46,600	570,700	0.330	3.340	3.805	6.458	12.915	21,656	21,912
4	15.70	E-75 IU	25,800	324,100	0.380	3.240	4.322	7.157	14.314	12,469	12,896
4	15.70	E-75 IU	25,800	324,100	0.380	3.240	4.322	7.157	14.314	12,469	12,896
4	15.70	E-75 IU	25,800	324,100	0.380	3.240	4.322	7.157	14.314	12,469	12,896
4	15.70	E-75 EU	25,800	324,100	0.380	3.240	4.322	7.157	14.314	12,469	12,896
4	15.70	E-75 IU	25,800	324,100	0.380	3.240	4.322	7.157	14.314	12,469	12,896
4	15.70	E-75 IU	25,800	324,100	0.380	3.240	4.322	7.157	14.314	12,469	12,896
4	15.70	X-95 IU	32,700	410,500	0.380	3.240	4.322	7.157	14.314	15,794	16,335
4	15.70	X-95 IU	32,700	410,500	0.380	3.240	4.322	7.157	14.314	15,794	16,335
4	15.70	X-95 IU	32,700	410,500	0.380	3.240	4.322	7.157	14.314	15,794	16,335
4	15.70	X-95 EU	32,700	410,500	0.380	3.240	4.322	7.157	14.314	15,794	16,335
4	15.70	X-95 IU	32,700	410,500	0.380	3.240	4.322	7.157	14.314	15,794	16,335
4	15.70	X-95 IU	32,700	410,500	0.380	3.240	4.322	7.157	14.314	15,794	16,335
4	15.70	G-105 IU	36,100	453,800	0.380	3.240	4.322	7.157	14.314	17,456	18,055
4	15.70	G-105 IU	36,100	453,800	0.380	3.240	4.322	7.157	14.314	17,456	18,055
4	15.70	G-105 IU	36,100	453,800	0.380	3.240	4.322	7.157	14.314	17,456	18,055
4	15.70	G-105 EU	36,100	453,800	0.380	3.240	4.322	7.157	14.314	17,456	18,055
4	15.70	G-105 IU	36,100	453,800	0.380	3.240	4.322	7.157	14.314	17,456	18,055
4	15.70	G-105 IU	36,100	453,800	0.380	3.240	4.322	7.157	14.314	17,456	18,055
4	15.70	S-135 IU	46,500	583,400	0.380	3.240	4.322	7.157	14.314	22,444	23,213
4	15.70	S-135 IU	46,500	583,400	0.380	3.240	4.322	7.157	14.314	22,444	23,213
4	15.70	S-135 IU	46,500	583,400	0.380	3.240	4.322	7.157	14.314	22,444	23,213
4	15.70	S-135 EU	46,500	583,400	0.380	3.240	4.322	7.157	14.314	22,444	23,213
4	15.70	S-135 IU	46,500	583,400	0.380	3.240	4.322	7.157	14.314	22,444	23,213
4	15.70	S-135 IU	46,500	583,400	0.380	3.240	4.322	7.157	14.314	22,444	23,213
4	15.70	Z-140 IU	48,200	605,000	0.380	3.240	4.322	7.157	14.314	23,275	24,073
4	15.70	Z-140 IU	48,200	605,000	0.380	3.240	4.322	7.157	14.314	23,275	24,073
4	15.70	Z-140 IU	48,200	605,000	0.380	3.240	4.322	7.157	14.314	23,275	24,073
4	15.70	Z-140 IU	48,200	605,000	0.380	3.240	4.322	7.157	14.314	23,275	24,073
4	15.70	V-150 IU	51,600	648,200	0.380	3.240	4.322	7.157	14.314	24,938	25,793
4	15.70	V-150 IU	51,600	648,200	0.380	3.240	4.322	7.157	14.314	24,938	25,793
4	15.70	V-150 IU	51,600	648,200	0.380	3.240	4.322	7.157	14.314	24,938	25,793
4	15.70	V-150 IU	51,600	648,200	0.380	3.240	4.322	7.157	14.314	24,938	25,793
4 1/2	16.60	E-75 IEU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 EU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 IEU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 IEU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 IEU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 IEU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 EU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 EU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 IEU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 IEU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 EU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392
4 1/2	16.60	E-75 EU	30,800	330,600	0.337	3.826	4.407	9.610	19.221	9,829	10,392

Tool Joint Data										Assembly Data					
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint OD for Prem. Class	Drift Diameter	Capacity	Displacement	Size OD	
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.	
HT38	5	2 7/16	33,000	708,100	19,800	0.71	10	15.5	16.07	4 25/32	2 5/16	0.440	0.246	4	
HT40	5 1/4	2 11/16	35,900	776,400	21,500	0.77	9	15	16.07	5	2 9/16	0.444	0.246		
XT38	5	2 7/16	35,200	658,500	21,100	0.76	10	15	16.03	4 19/32	2 5/16	0.440	0.245		
XT39	5	2 13/16	33,100	603,000	19,900	0.71	10	15	15.47	4 3/4	2 11/16	0.446	0.237		
GPDS40	5 1/4	2 1/2	37,300	868,100	22,400	0.80	9	12	16.02	5 1/32	2 3/8	0.442	0.245		
NC40	5 1/4	2 13/16	23,500	711,600	12,400	0.91	9	12	17.17	4 7/8	2 11/16	0.422	0.263	4	
HT40	5 1/4	2 13/16	31,900	711,600	19,100	1.24	9	15	17.45	4 5/8	2 11/16	0.421	0.267		
H90	5 1/2	2 13/16	35,400	913,700	20,400	1.37	9	12	17.63	4 31/32	2 11/16	0.421	0.270		
NC46	6	3 1/4	33,600	901,200	17,600	1.30	9	12	17.90	5 3/16	3 1/8	0.428	0.274		
XT39	5	2 13/16	33,100	603,000	19,900	1.28	10	15	17.04	4 9/32	2 11/16	0.421	0.261		
XT40	5 1/4	2 13/16	44,100	751,600	26,500	1.71	10	15	17.54	4 5/16	2 11/16	0.421	0.268		
NC40	5 1/4	2 9/16	27,800	838,300	14,600	0.85	9	12	17.52	5	2 7/16	0.418	0.268	4	
HT40	5 1/4	2 13/16	31,900	711,600	19,100	0.98	9	15	17.45	4 25/32	2 11/16	0.421	0.267		
H90	5 1/2	2 13/16	35,400	913,700	20,400	1.08	9	12	17.63	5 3/32	2 11/16	0.421	0.270		
NC46	6	3 1/4	33,600	901,200	17,600	1.03	9	12	17.90	5 7/16	3 1/8	0.428	0.274		
XT39	5	2 13/16	33,100	603,000	19,900	1.01	10	15	17.04	4 7/16	2 11/16	0.421	0.261		
XT40	5 1/4	2 13/16	44,100	751,600	26,500	1.35	10	15	17.54	4 15/32	2 11/16	0.421	0.268		
NC40	5 1/2	2 7/16	30,100	897,200	15,600	0.83	9	12	18.14	5 1/16	2 5/16	0.416	0.278	4	
HT40	5 1/4	2 13/16	31,900	711,600	19,100	0.88	9	15	17.45	4 27/32	2 11/16	0.421	0.267		
H90	5 1/2	2 13/16	35,400	913,700	20,400	0.98	9	15	17.96	5 5/32	2 11/16	0.421	0.275		
NC46	6	3 1/4	33,600	901,200	17,600	0.93	9	12	17.90	5 15/32	3 1/8	0.428	0.274		
XT39	5	2 13/16	33,100	603,000	19,900	0.92	10	15	17.04	4 17/32	2 11/16	0.421	0.261		
XT40	5 1/4	2 13/16	44,100	751,600	26,500	1.22	10	15	17.54	4 17/32	2 11/16	0.421	0.268		
NC40	5 1/2	2	36,400	1,080,100	18,900	0.78	9	12	18.66	5 1/4	1 7/8	0.411	0.285	4	
HT40	5 1/2	2 9/16	39,900	838,300	23,900	0.86	9	15	18.34	4 15/16	2 7/16	0.417	0.280		
H90	5 3/4	2 11/16	38,400	978,500	21,800	0.83	9	15	18.69	5 5/16	2 9/16	0.418	0.286		
NC46	6	3	39,200	1,048,400	20,500	0.84	9	12	18.30	5 21/32	2 7/8	0.424	0.280		
XT39	5	2 11/16	37,000	667,800	22,200	0.80	10	15	17.24	4 11/16	2 9/16	0.419	0.264		
XT40	5 1/4	2 13/16	44,100	751,600	26,500	0.95	10	15	17.54	4 3/4	2 11/16	0.421	0.268		
GPDS40	5 1/4	2 9/16	36,400	838,300	21,800	0.78	9	12	17.52	5 1/32	2 7/16	0.418	0.268		
HT40	5 1/2	2 9/16	39,900	838,300	23,900	0.83	9	15	18.34	4 31/32	2 7/16	0.417	0.280	4	
XT39	5	2 11/16	37,000	667,800	22,200	0.77	10	15	17.24	4 23/32	2 9/16	0.419	0.264		
XT40	5 1/4	2 13/16	44,100	751,600	26,500	0.91	10	15	17.54	4 25/32	2 11/16	0.421	0.268		
GPDS40	5 3/8	2 1/2	38,400	868,100	23,000	0.80	9	12	17.83	5 1/16	2 3/8	0.417	0.273		
HT40	5 1/2	2 9/16	39,900	838,300	23,900	0.77	9	15	18.34	5 1/16	2 7/16	0.417	0.280	4	
XT39	5	2 9/16	40,800	729,700	24,500	0.79	10	15	17.42	4 23/32	2 7/16	0.417	0.266		
XT40	5 1/4	2 13/16	44,100	751,600	26,500	0.85	10	15	17.54	4 27/32	2 11/16	0.421	0.268		

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
4 1/2	20.00	X-95 IEU	46,700	522,300	0.430	3.640	5.498	11.512	23.023	15,886	16,421
20.00	X-95 EU	46,700	522,300	0.430	3.640	5.498	11.512	23.023	15,886	16,421	16,421
20.00	X-95 IEU	46,700	522,300	0.430	3.640	5.498	11.512	23.023	15,886	16,421	16,421
20.00	X-95 EU	46,700	522,300	0.430	3.640	5.498	11.512	23.023	15,886	16,421	16,421
20.00	X-95 EU	46,700	522,300	0.430	3.640	5.498	11.512	23.023	15,886	16,421	16,421
20.00	X-95 IEU	46,700	522,300	0.430	3.640	5.498	11.512	23.023	15,886	16,421	16,421
20.00	X-95 EU	46,700	522,300	0.430	3.640	5.498	11.512	23.023	15,886	16,421	16,421
4 1/2	20.00	G-105 IEU	51,700	577,300	0.430	3.640	5.498	11.512	23.023	17,558	18,149
20.00	G-105 EU	51,700	577,300	0.430	3.640	5.498	11.512	23.023	17,558	18,149	18,149
20.00	G-105 IEU	51,700	577,300	0.430	3.640	5.498	11.512	23.023	17,558	18,149	18,149
20.00	G-105 EU	51,700	577,300	0.430	3.640	5.498	11.512	23.023	17,558	18,149	18,149
20.00	G-105 EU	51,700	577,300	0.430	3.640	5.498	11.512	23.023	17,558	18,149	18,149
20.00	G-105 IEU	51,700	577,300	0.430	3.640	5.498	11.512	23.023	17,558	18,149	18,149
20.00	G-105 EU	51,700	577,300	0.430	3.640	5.498	11.512	23.023	17,558	18,149	18,149
4 1/2	20.00	S-135 IEU	66,400	742,200	0.430	3.640	5.498	11.512	23.023	22,575	23,335
20.00	S-135 EU	66,400	742,200	0.430	3.640	5.498	11.512	23.023	22,575	23,335	23,335
20.00	S-135 IEU	66,400	742,200	0.430	3.640	5.498	11.512	23.023	22,575	23,335	23,335
20.00	S-135 EU	66,400	742,200	0.430	3.640	5.498	11.512	23.023	22,575	23,335	23,335
20.00	S-135 EU	66,400	742,200	0.430	3.640	5.498	11.512	23.023	22,575	23,335	23,335
20.00	S-135 IEU	66,400	742,200	0.430	3.640	5.498	11.512	23.023	22,575	23,335	23,335
20.00	S-135 EU	66,400	742,200	0.430	3.640	5.498	11.512	23.023	22,575	23,335	23,335
20.00	S-135 IEU	66,400	742,200	0.430	3.640	5.498	11.512	23.023	22,575	23,335	23,335
4 1/2	20.00	Z-140 IEU	68,900	769,700	0.430	3.640	5.498	11.512	23.023	23,411	24,199
20.00	Z-140 EU	68,900	769,700	0.430	3.640	5.498	11.512	23.023	23,411	24,199	24,199
20.00	Z-140 IEU	68,900	769,700	0.430	3.640	5.498	11.512	23.023	23,411	24,199	24,199
20.00	Z-140 EU	68,900	769,700	0.430	3.640	5.498	11.512	23.023	23,411	24,199	24,199
20.00	Z-140 IEU	68,900	769,700	0.430	3.640	5.498	11.512	23.023	23,411	24,199	24,199
4 1/2	20.00	V-150 IEU	73,800	824,700	0.430	3.640	5.498	11.512	23.023	25,083	25,927
20.00	V-150 EU	73,800	824,700	0.430	3.640	5.498	11.512	23.023	25,083	25,927	25,927
20.00	V-150 IEU	73,800	824,700	0.430	3.640	5.498	11.512	23.023	25,083	25,927	25,927
20.00	V-150 EU	73,800	824,700	0.430	3.640	5.498	11.512	23.023	25,083	25,927	25,927
20.00	V-150 IEU	73,800	824,700	0.430	3.640	5.498	11.512	23.023	25,083	25,927	25,927
5	19.50	E-75 IEU	41,200	395,600	0.362	4.276	5.275	14.269	28.538	9,503	9,962
19.50	E-75 EU	41,200	395,600	0.362	4.276	5.275	14.269	28.538	9,503	9,962	9,962
19.50	E-75 IEU	41,200	395,600	0.362	4.276	5.275	14.269	28.538	9,503	9,962	9,962
19.50	E-75 EU	41,200	395,600	0.362	4.276	5.275	14.269	28.538	9,503	9,962	9,962
19.50	E-75 IEU	41,200	395,600	0.362	4.276	5.275	14.269	28.538	9,503	9,962	9,962
5	19.50	X-95 IEU	52,100	501,100	0.362	4.276	5.275	14.269	28.538	12,037	12,026
19.50	X-95 EU	52,100	501,100	0.362	4.276	5.275	14.269	28.538	12,037	12,026	12,026
19.50	X-95 IEU	52,100	501,100	0.362	4.276	5.275	14.269	28.538	12,037	12,026	12,026
19.50	X-95 EU	52,100	501,100	0.362	4.276	5.275	14.269	28.538	12,037	12,026	12,026
19.50	X-95 IEU	52,100	501,100	0.362	4.276	5.275	14.269	28.538	12,037	12,026	12,026
5	19.50	G-105 IEU	57,600	553,800	0.362	4.276	5.275	14.269	28.538	13,304	12,999
19.50	G-105 EU	57,600	553,800	0.362	4.276	5.275	14.269	28.538	13,304	12,999	12,999
19.50	G-105 IEU	57,600	553,800	0.362	4.276	5.275	14.269	28.538	13,304	12,999	12,999
19.50	G-105 EU	57,600	553,800	0.362	4.276	5.275	14.269	28.538	13,304	12,999	12,999
19.50	G-105 IEU	57,600	553,800	0.362	4.276	5.275	14.269	28.538	13,304	12,999	12,999
19.50	G-105 EU	57,600	553,800	0.362	4.276	5.275	14.269	28.538	13,304	12,999	12,999

Tool Joint Data										Assembly Data				
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint OD for Prem. Class	Drift Diameter	Capacity	Displacement	Size OD
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.
NC46	6 1/4	3	39,700	1,048,400	20,500	0.85	9	12	22.92	5 21/32	2 7/8	0.529	0.351	4 1/2
4 1/2 OH	6 1/4	3 1/4	40,700	1,043,800	21,500	0.87	9	12	22.77	5 11/16	3 1/8	0.534	0.348	
4 1/2 H90	6	3 1/4	39,000	938,400	18,800	0.84	9	12	21.98	5 9/16	3 1/8	0.534	0.336	
HT46	6 1/4	3 1/4	47,600	901,200	28,600	1.02	9	15	22.93	5 13/32	3 1/8	0.533	0.351	
NC50	6 3/8	3 5/8	41,200	1,026,000	21,600	0.88	9	12	22.38	5 15/16	3 1/2	0.540	0.342	
HT50	6 1/4	3 3/4	52,700	939,100	31,600	1.13	9	15	22.25	5 13/16	3 5/8	0.543	0.340	
XT46	6	3 1/2	58,100	910,300	34,900	1.24	10	15	21.99	5 5/8	3 3/8	0.538	0.336	
XT50	6 3/8	3 1/2	81,200	1,256,300	48,700	1.74	10	15	23.17	5 31/32	3 3/8	0.538	0.354	
NC46	6 1/4	2 3/4	44,900	1,183,900	23,200	0.87	9	12	23.30	5 23/32	2 5/8	0.526	0.356	4 1/2
4 1/2 OH	6 1/4	3	46,600	1,191,100	24,600	0.90	9	12	23.17	5 3/4	2 7/8	0.530	0.354	
4 1/2 H90	6 1/4	3	45,700	1,085,700	21,800	0.88	9	12	22.92	5 5/8	2 7/8	0.529	0.351	
HT46	6 1/4	3 1/4	47,600	901,200	28,600	0.92	9	15	22.93	5 7/16	3 1/8	0.533	0.351	
NC50	6 3/8	3 1/2	44,700	1,109,900	23,400	0.86	9	12	22.61	6 1/32	3 3/8	0.538	0.346	
HT50	6 1/4	3 3/4	52,700	939,100	31,600	1.02	9	15	22.25	5 13/16	3 5/8	0.543	0.340	
XT46	6	3 1/2	58,100	910,300	34,900	1.12	10	15	21.99	5 5/8	3 3/8	0.538	0.336	
XT50	6 3/8	3 1/2	81,200	1,256,300	48,700	1.22	10	15	23.17	5 31/32	3 3/8	0.538	0.354	
GPDS46	6	3	52,900	1,048,400	31,700	0.80	9	12	22.39	5 21/32	2 7/8	0.530	0.342	
HT46	6 1/4	3	57,700	1,048,400	34,600	0.84	9	15	23.38	5 19/32	2 7/8	0.528	0.358	4 1/2
HT50	6 3/8	3 1/2	65,700	1,109,900	39,400	0.95	9	15	23.03	5 27/32	3 3/8	0.538	0.352	
XT46	6	3 1/2	58,100	910,300	34,900	0.84	10	15	21.99	5 21/32	3 3/8	0.538	0.336	
XT50	6 3/8	3 1/2	81,200	1,256,300	48,700	1.18	10	15	23.17	5 31/32	3 3/8	0.538	0.354	
GPDS46	6	2 15/16	55,300	1,083,400	33,200	0.80	9	12	22.49	5 21/32	2 13/16	0.529	0.344	
HT46	6 1/4	3	57,700	1,048,400	34,600	0.78	9	15	23.38	5 21/32	2 7/8	0.528	0.358	4 1/2
HT50	6 3/8	3 1/2	65,700	1,109,900	39,400	0.89	9	15	23.03	5 29/32	3 3/8	0.538	0.352	
XT46	6 1/4	3 1/4	70,200	1,069,300	42,100	0.95	10	15	23.07	5 5/8	3 1/8	0.532	0.353	
XT50	6 3/8	3 1/2	81,200	1,256,300	48,700	1.10	10	15	23.17	5 31/32	3 3/8	0.538	0.354	
GPDS46	6	2 3/4	60,700	1,183,900	36,400	0.82	9	12	22.76	5 21/32	2 5/8	0.526	0.348	
NC50	6 5/8	3 3/4	38,100	939,100	19,800	0.92	9	12	22.16	5 7/8	3 5/8	0.735	0.339	5
HT50	6 5/8	3 3/4	53,300	939,100	32,000	1.29	9	15	22.61	5 13/16	3 5/8	0.734	0.346	
5 1/2 FH	7	3 3/4	62,900	1,448,400	33,400	1.53	10	12	23.24	6 3/8	3 5/8	0.734	0.356	
XT46	6	3 1/2	36,500	910,300	21,900	0.89	10	15	21.71	5 5/8	3 3/8	0.729	0.332	
XT50	6 1/2	4	38,700	902,900	23,200	0.94	10	15	21.88	5 31/32	3 7/8	0.739	0.335	
NC50	6 5/8	3 1/2	45,100	1,109,900	23,400	0.87	9	12	22.63	6 1/32	3 3/8	0.730	0.346	5
HT50	6 5/8	3 3/4	53,300	939,100	32,000	1.02	9	15	22.61	5 13/16	3 5/8	0.734	0.346	
5 1/2 FH	7	3 3/4	62,900	1,448,400	33,400	1.21	10	12	23.24	6 1/2	3 5/8	0.734	0.356	
XT46	6	3 1/2	58,100	910,300	34,900	1.12	10	15	21.71	5 5/8	3 3/8	0.729	0.332	
XT50	6 1/2	4												

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
5	19.50	S-135 IEU	74,100	712,100	0.362	4.276	5.275	14.269	28.538	17,105	15,672
5	19.50	S-135 IEU	74,100	712,100	0.362	4.276	5.275	14.269	28.538	17,105	15,672
5	19.50	S-135 IEU	74,100	712,100	0.362	4.276	5.275	14.269	28.538	17,105	15,672
5	19.50	S-135 IEU	74,100	712,100	0.362	4.276	5.275	14.269	28.538	17,105	15,672
5	19.50	S-135 IEU	74,100	712,100	0.362	4.276	5.275	14.269	28.538	17,105	15,672
5	19.50	Z-140 IEU	76,800	738,400	0.362	4.276	5.275	14.269	28.538	17,738	16,079
5	19.50	Z-140 IEU	76,800	738,400	0.362	4.276	5.275	14.269	28.538	17,738	16,079
5	19.50	Z-140 IEU	76,800	738,400	0.362	4.276	5.275	14.269	28.538	17,738	16,079
5	19.50	Z-140 IEU	76,800	738,400	0.362	4.276	5.275	14.269	28.538	17,738	16,079
5	19.50	V-150 IEU	82,300	791,200	0.362	4.276	5.275	14.269	28.538	19,005	16,858
5	19.50	V-150 IEU	82,300	791,200	0.362	4.276	5.275	14.269	28.538	19,005	16,858
5	19.50	V-150 IEU	82,300	791,200	0.362	4.276	5.275	14.269	28.538	19,005	16,858
5	19.50	V-150 IEU	82,300	791,200	0.362	4.276	5.275	14.269	28.538	19,005	16,858
5	25.60	E-75 IEU	52,300	530,100	0.500	4.000	5.529	18.113	36.226	13,125	13,500
5	25.60	E-75 IEU	52,300	530,100	0.500	4.000	5.529	18.113	36.226	13,125	13,500
5	25.60	E-75 IEU	52,300	530,100	0.500	4.000	5.529	18.113	36.226	13,125	13,500
5	25.60	E-75 IEU	52,300	530,100	0.500	4.000	7.069	18.113	36.226	13,125	13,500
5	25.60	X-95 IEU	66,200	671,500	0.500	4.000	5.529	18.113	36.226	16,625	17,100
5	25.60	X-95 IEU	66,200	671,500	0.500	4.000	5.529	18.113	36.226	16,625	17,100
5	25.60	X-95 IEU	66,200	671,500	0.500	4.000	5.529	18.113	36.226	16,625	17,100
5	25.60	X-95 IEU	66,200	671,500	0.500	4.000	7.069	18.113	36.226	16,625	17,100
5	25.60	G-105 IEU	73,200	742,200	0.500	4.000	5.529	18.113	36.226	18,375	18,900
5	25.60	G-105 IEU	73,200	742,200	0.500	4.000	5.529	18.113	36.226	18,375	18,900
5	25.60	G-105 IEU	73,200	742,200	0.500	4.000	5.529	18.113	36.226	18,375	18,900
5	25.60	G-105 IEU	73,200	742,200	0.500	4.000	7.069	18.113	36.226	18,375	18,900
5	25.60	G-105 IEU	73,200	742,200	0.500	4.000	7.069	18.113	36.226	18,375	18,900
5	25.60	S-135 IEU	94,100	954,300	0.500	4.000	5.529	18.113	36.226	23,625	24,300
5	25.60	S-135 IEU	94,100	954,300	0.500	4.000	5.529	18.113	36.226	23,625	24,300
5	25.60	S-135 IEU	94,100	954,300	0.500	4.000	5.529	18.113	36.226	23,625	24,300
5	25.60	S-135 IEU	94,100	954,300	0.500	4.000	7.069	18.113	36.226	23,625	24,300
5	25.60	S-135 IEU	94,100	954,300	0.500	4.000	7.069	18.113	36.226	23,625	24,300
5	25.60	Z-140 IEU	97,500	989,600	0.500	4.000	5.529	18.113	36.226	24,500	25,200
5	25.60	Z-140 IEU	97,500	989,600	0.500	4.000	7.069	18.113	36.226	24,500	25,200
5	25.60	Z-140 IEU	97,500	989,600	0.500	4.000	7.069	18.113	36.226	24,500	25,200
5	25.60	V-150 IEU	104,500	1,060,300	0.500	4.000	5.529	18.113	36.226	26,250	27,000
5	25.60	V-150 IEU	104,500	1,060,300	0.500	4.000	7.069	18.113	36.226	26,250	27,000
5	25.60	V-150 IEU	104,500	1,060,300	0.500	4.000	7.069	18.113	36.226	26,250	27,000
5 1/2	21.90	E-75 IEU	50,700	437,100	0.361	4.778	5.828	19.335	38.670	8,413	8,615
5 1/2	21.90	E-75 IEU	50,700	437,100	0.361	4.778	5.828	19.335	38.670	8,413	8,615
5 1/2	21.90	E-75 IEU	50,700	437,100	0.361	4.778	5.828	19.335	38.670	8,413	8,615
5 1/2	21.90	E-75 IEU	50,700	437,100	0.361	4.778	5.828	19.335	38.670	8,413	8,615
5 1/2	21.90	X-95 IEU	64,200	553,700	0.361	4.778	5.828	19.335	38.670	10,019	10,912
5 1/2	21.90	X-95 IEU	64,200	553,700	0.361	4.778	5.828	19.335	38.670	10,019	10,912
5 1/2	21.90	X-95 IEU	64,200	553,700	0.361	4.778	5.828	19.335	38.670	10,019	10,912
5 1/2	21.90	X-95 IEU	64,200	553,700	0.361	4.778	5.828	19.335	38.670	10,019	10,912

Tool Joint Data										Assembly Data					
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint OD for Prem. Class	Drift Diameter	Capacity	Displacement	Size OD	
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.	
5 1/2	NC50	6 5/8	2 3/4	63,400	1,551,700	32,900	0.86	9	12	23.87	6 5/16	2 5/8	0.718	0.365	5
5 1/2	HT50	6 5/8	3 1/2	66,200	1,109,900	39,700	0.89	9	15	23.12	5 15/16	3 3/8	0.728	0.354	5
5 1/2	FH	7 1/4	3 1/2	72,500	1,619,200	37,400	0.98	10	12	24.41	6 3/4	3 3/8	0.729	0.373	5
5 1/2	XT46	6	3 1/2	58,100	910,300	34,900	0.78	10	15	21.71	5 23/32	3 3/8	0.729	0.332	5
5 1/2	XT50	6 1/2	3 3/4	77,000	1,085,500	46,200	1.04	10	15	22.43	5 31/32	3 5/8	0.733	0.343	5
5 1/2	GPDS50	6 1/2	3 1/2	60,200	1,110,200	36,100	0.81	9	12	22.35	6 1/32	3 3/8	0.730	0.342	5
5 1/2	HT50	6 5/8	3 1/2	66,200	1,109,900	39,700	0.86	9	15	23.12	5 31/32	3 3/8	0.728	0.354	5
5 1/2	XT46	6	3 1/2	58,100	910,300	34,900	0.76	10	15	21.71	5 25/32	3 3/8	0.729	0.332	5
5 1/2	XT50	6 1/2	3 3/4	77,000	1,085,500	46,200	1.00	10	15	22.43	5 31/32	3 5/8	0.733	0.343	5
5 1/2	GPDS50	6 1/2	3 1/2	60,200	1,110,200	36,100	0.78	9	12	22.35	6 3/32	3 3/8	0.730	0.342	5
5 1/2	HT50	6 5/8	3 1/2	66,200	1,109,900	39,700	0.80	9	15	23.12	6 1/32	3 3/8	0.728	0.354	5
5 1/2	XT46	6 1/4	3 1/4	70,200	1,069,300	42,100	0.85	10	15	22.79	5 23/32	3 1/8	0.723	0.349	5
5 1/2	XT50	6 1/2	3 3/4	77,000	1,085,500	46,200	0.94	10	15	22.43	5 31/32	3 5/8	0.733	0.343	5
5 1/2	GPDS50	6 1/2	3 3/8	66,200	1,191,200	39,700	0.80	9	12	22.57	6 3/32	3 1/4	0.728	0.345	5
5 1/2	NC50	6 5/8	3 1/2	45,100	1,109,900	23,400	0.86	9	12	28.13	6 1/32	3 3/8	0.643	0.430	5
5 1/2	HT50	6 5/8	3 3/4	53,300	939,100	32,000	1.02	9	15	28.06	5 13/16	3 5/8	0.647	0.429	5
5 1/2	FH	7	3 1/2	62,900	1,619,200	37,400	1.20	10	12	29.21	6 1/2	3 3/8	0.642	0.447	5
5 1/2	XT50	6 5/8	3 3/4	77,300	1,085,500	46,400	1.48	10	15	28.20	5 31/32	3 5/8	0.647	0.431	5
5 1/2	NC50	6 5/8	3	57,800	1,416,200	30,000	0.87	9	12	28.98	6 7/32	2 7/8	0.634	0.443	5
5 1/2	HT50	6 5/8	3 1/2	66,200	1,109,900	39,700	1.00	9	15	28.57	5 13/16	3 3/8	0.642	0.437	5
5 1/2	FH	7	3 1/2	62,900	1,619,200	37,400	0.95	10	12	29.21	6 21/32	3 3/8	0.642	0.447	5
5 1/2	XT50	6 5/8	3 3/4	77,300	1,085,500	46,400	1.17	10	15	28.20	5 31/32	3 5/8	0.647	0.431	5
5 1/2	NC50	6 5/8	2 3/4	63,400	1,551,700	32,900	0.87	9	12	29.36	6 9/32	2 5/8	0.631	0.449	5
5 1/2	HT50	6 5/8	3 1/4	78,000	1,269,000	46,800	1.07	9	15	29.05	5 13/16	3 1/8	0.637	0.444	5
5 1/2	FH	7 1/4	3 1/2	72,500	1,619,200	37,400	0.99	10	12	29.87	6 23/32	3 3/8	0.642	0.457	5
5 1/2	XT50	6 5/8	3 3/4	77,300	1,085,500	46,400	1.06	10	15	28.20	5 31/32	3 5/8	0.647	0.431	5
5 1/2	GPDS50	6 1/2	3 1/2	60,200	1,110,200	36,100	0.82	9	12	27.84	6 1/32	3 3/8	0.643	0.426	5
5 1/2	NC50	6 5/8	2 3/4	63,400	1,551,700	32,900	0.67	9	12	29.36	6 17/32	2 5/8	0.631	0.449	5
5 1/2	HT50	6 5/8	3	88,800	1,416,200	53,300	0.94	9	15	29.49	5 31/32	2 7/8	0.632	0.451	5
5 1/2	FH	7 1/4	3 1/4	78,700	1,778,300	41,200	0.84	10	12	30.33	6 15/16	3 1/8	0.637	0.464	5
5 1/2	XT50	6 5/8	3 3/4	77,300	1,085,500	46,400	0.82	10	15	28.20	6 1/16	3 5/8	0.647	0.431	5
5 1/2	GPDS50	6 1/2	3 3/16	74,700	1,307,200	44,800	0.79	9	12	28.39	6 5/32	3 1/16	0.638	0.434	5
5 1/2	HT50	6 5/8	3	88,800	1,416,200	53,300	0.91	9	15	29.49	6 1/32	2 7/8	0.632	0.451	5
5 1/2	XT50	6 5/8	3 3/4	77,300	1,085,500	46,400	0.79	10	15	28.20	6 3/32	3 5/8	0.647	0.431	5
5 1/2	GPDS50	6 1/2	3 1/8	77,400	1,344,300	46,400	0.79	9	12	28.49	6 3/16	3	0.637	0.436	5
5 1/2	HT50	6 5/8	3	88,800	1,416,200	53,300	0.85	9	15	29.49	6 3/32	2 7/8	0.632	0.451	5
5 1/2	XT50	6 5/8	3 1/2	90,700	1,256,300	54,400	0.87	10	15	28.72	6 1/16	3 3/8	0.641	0.4	

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
5 1/2	21.90	G-105 IEU	71,000	612,000	0.361	4.778	5.828	19.335	38.670	10,753	12,061
21.90	G-105 IEU	71,000	612,000	0.361	4.778	5.828	19.335	38.670	10,753	12,061	12,061
21.90	G-105 IEU	71,000	612,000	0.361	4.778	5.828	19.335	38.670	10,753	12,061	12,061
21.90	G-105 IEU	71,000	612,000	0.361	4.778	5.828	19.335	38.670	10,753	12,061	12,061
21.90	G-105 IEU	71,000	612,000	0.361	4.778	5.828	19.335	38.670	10,753	12,061	12,061
5 1/2	21.90	S-135 IEU	91,300	786,800	0.361	4.778	5.828	19.335	38.670	12,679	15,507
21.90	S-135 IEU	91,300	786,800	0.361	4.778	5.828	19.335	38.670	12,679	15,507	15,507
21.90	S-135 IEU	91,300	786,800	0.361	4.778	5.828	19.335	38.670	12,679	15,507	15,507
21.90	S-135 IEU	91,300	786,800	0.361	4.778	5.828	19.335	38.670	12,679	15,507	15,507
21.90	S-135 IEU	91,300	786,800	0.361	4.778	5.828	19.335	38.670	12,679	15,507	15,507
5 1/2	21.90	Z-140 IEU	94,700	816,000	0.361	4.778	5.828	19.335	38.670	12,957	16,081
21.90	Z-140 IEU	94,700	816,000	0.361	4.778	5.828	19.335	38.670	12,957	16,081	16,081
21.90	Z-140 IEU	94,700	816,000	0.361	4.778	5.828	19.335	38.670	12,957	16,081	16,081
21.90	Z-140 IEU	94,700	816,000	0.361	4.778	5.828	19.335	38.670	12,957	16,081	16,081
21.90	Z-140 IEU	94,700	816,000	0.361	4.778	5.828	19.335	38.670	12,957	16,081	16,081
5 1/2	21.90	V-150 IEU	101,400	874,200	0.361	4.778	5.828	19.335	38.670	13,473	17,230
21.90	V-150 IEU	101,400	874,200	0.361	4.778	5.828	19.335	38.670	13,473	17,230	17,230
21.90	V-150 IEU	101,400	874,200	0.361	4.778	5.828	19.335	38.670	13,473	17,230	17,230
21.90	V-150 IEU	101,400	874,200	0.361	4.778	5.828	19.335	38.670	13,473	17,230	17,230
21.90	V-150 IEU	101,400	874,200	0.361	4.778	5.828	19.335	38.670	13,473	17,230	17,230
5 1/2	24.70	E-75 IEU	56,600	497,200	0.415	4.670	6.630	21.571	43.141	10,464	9,903
24.70	E-75 IEU	56,600	497,200	0.415	4.670	6.630	21.571	43.141	10,464	9,903	9,903
24.70	E-75 IEU	56,600	497,200	0.415	4.670	6.630	21.571	43.141	10,464	9,903	9,903
24.70	E-75 IEU	56,600	497,200	0.415	4.670	6.630	21.571	43.141	10,464	9,903	9,903
5 1/2	24.70	X-95 IEU	71,700	629,800	0.415	4.670	6.630	21.571	43.141	12,933	12,544
24.70	X-95 IEU	71,700	629,800	0.415	4.670	6.630	21.571	43.141	12,933	12,544	12,544
24.70	X-95 IEU	71,700	629,800	0.415	4.670	6.630	21.571	43.141	12,933	12,544	12,544
24.70	X-95 IEU	71,700	629,800	0.415	4.670	6.630	21.571	43.141	12,933	12,544	12,544
5 1/2	24.70	G-105 IEU	79,200	696,100	0.415	4.670	6.630	21.571	43.141	14,013	13,865
24.70	G-105 IEU	79,200	696,100	0.415	4.670	6.630	21.571	43.141	14,013	13,865	13,865
24.70	G-105 IEU	79,200	696,100	0.415	4.670	6.630	21.571	43.141	14,013	13,865	13,865
24.70	G-105 IEU	79,200	696,100	0.415	4.670	6.630	21.571	43.141	14,013	13,865	13,865
24.70	G-105 IEU	79,200	696,100	0.415	4.670	6.630	21.571	43.141	14,013	13,865	13,865
5 1/2	24.70	S-135 IEU	101,800	895,000	0.415	4.670	6.630	21.571	43.141	17,023	17,826
24.70	S-135 IEU	101,800	895,000	0.415	4.670	6.630	21.571	43.141	17,023	17,826	17,826
24.70	S-135 IEU	101,800	895,000	0.415	4.670	6.630	21.571	43.141	17,023	17,826	17,826
24.70	S-135 IEU	101,800	895,000	0.415	4.670	6.630	21.571	43.141	17,023	17,826	17,826
24.70	S-135 IEU	101,800	895,000	0.415	4.670	6.630	21.571	43.141	17,023	17,826	17,826
5 1/2	24.70	Z-140 IEU	105,600	928,100	0.415	4.670	6.630	21.571	43.141	17,489	18,486
24.70	Z-140 IEU	105,600	928,100	0.415	4.670	6.630	21.571	43.141	17,489	18,486	18,486
24.70	Z-140 IEU	105,600	928,100	0.415	4.670	6.630	21.571	43.141	17,489	18,486	18,486
24.70	Z-140 IEU	105,600	928,100	0.415	4.670	6.630	21.571	43.141	17,489	18,486	18,486
24.70	Z-140 IEU	105,600	928,100	0.415	4.670	6.630	21.571	43.141	17,489	18,486	18,486
5 1/2	24.70	V-150 IEU	113,100	994,400	0.415	4.670	6.630	21.571	43.141	18,386	19,807
24.70	V-150 IEU	113,100	994,400	0.415	4.670	6.630	21.571	43.141	18,386	19,807	19,807
24.70	V-150 IEU	113,100	994,400	0.415	4.670	6.630	21.571	43.141	18,386	19,807	19,807
24.70	V-150 IEU	113,100	994,400	0.415	4.670	6.630	21.571	43.141	18,386	19,807	19,807
24.70	V-150 IEU	113,100	994,400	0.415	4.670	6.630	21.571	43.141	18,386	19,807	19,807

Tool Joint Data										Assembly Data					
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint OD for Prem. Class	Drift Diameter	Capacity	Displacement	Size OD	
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.	
5 1/2 FH	7 1/4	3 1/2	75,000	1,619,200	40,000	1.06	10	12	26.61	6 11/16	3 3/8	0.902	0.407	5 1/2	
HT55	7	4	77,200	1,265,800	46,300	1.09	10	15	25.44	6 13/32	3 7/8	0.911	0.389		
XT54	6 3/4	4 1/4	70,400	960,700	42,200	0.99	10	15	24.08	6 7/32	4 1/8	0.917	0.368		
XT57	7	4 3/8	85,600	1,107,100	51,400	1.21	10	15	24.45	6 15/32	4 1/4	0.920	0.374		
GPDS55	7	4 1/8	74,200	1,292,500	44,500	1.05	10	12	24.85	6 7/16	3 7/8	0.913	0.380		
5 1/2 FH	7 1/2	3	90,200	1,925,500	47,700	0.99	10	12	28.21	6 29/32	2 7/8	0.893	0.431	5 1/2	
HT55	7	4	77,200	1,265,800	46,300	0.85	10	15	25.44	6 5/8	3 7/8	0.911	0.389		
XT54	6 3/4	4 1/4	70,400	960,700	42,200	0.77	10	15	24.08	6 9/16	4 1/8	0.917	0.368		
XT57	7	4 3/8	85,600	1,107,100	51,400	0.94	10	15	24.45	6 15/32	4 1/4	0.920	0.374		
GPDS55	7	4	74,200	1,292,500	44,500	0.81	9	12	24.85	6 11/16	3 7/8	0.913	0.380		
5 1/2 FH	7 1/2	3	90,200	1,925,500	47,700	0.95	10	12	28.21	6 15/16	2 7/8	0.893	0.431	5 1/2	
HT55	7	4	77,200	1,265,800	46,300	0.82	10	15	25.44	6 21/32	3 7/8	0.911	0.389		
XT54	6 3/4	4 1/4	70,400	960,700	42,200	0.74	10	15	24.08	6 11/32	4 1/8	0.917	0.368		
XT57	7	4 3/8	85,600	1,107,100	51,400	0.90	10	15	24.45	6 15/32	4 1/4	0.920	0.374		
GPDS55	7	4	74,200	1,292,500	44,500	0.78	10	12	24.85	6 23/32	3 7/8	0.913	0.380		
5 1/2 FH	7 1/2	3	90,200	1,925,500	47,700	0.89	10	12	28.21	7	2 7/8	0.893	0.431	5 1/2	
HT55	7	4	77,200	1,265,800	46,300	0.76	10	15	25.44	6 23/32	3 7/8	0.911	0.389		
XT54	6 3/4	4	86,600	1,155,100	52,000	0.85	10	15	24.66	6 9/32	3 7/8	0.911	0.377		
XT57	7	4 1/4	94,300	1,208,700	56,600	0.93	10	15	24.76	6 15/32	4 1/8	0.917	0.379		
GPDS55	7 1/8	3 7/8	82,000	1,385,200	49,200	0.81	10	12	25.44	6 23/32	3 3/4	0.910	0.389		
5 1/2 FH	7	4	57,900	1,265,800	31,200	1.02	10	12	27.41	6 17/32	3 7/8	0.874	0.419	5 1/2	
HT55	7	4	77,200	1,265,800	46,300	1.36	10	15	27.88	6 13/32	3 7/8	0.872	0.427		
XT54	6 3/4	4 1/4	70,400	960,700	42,200	1.24	10	15	26.51	6 7/32	4 1/8	0.879	0.406		
XT57	7	4 3/8	85,600	1,107,100	51,400	1.51	10	15	26.88	6 15/32	4 1/4	0.882	0.411		
5 1/2 FH	7 1/4	3 1/2	75,000	1,619,200	40,000	1.05	10	12	29.07	6 11/16	3 3/8	0.863	0.445	5 1/2	
HT55	7	4	77,200	1,265,800	46,300	1.08	10	15	27.88	6 13/32	3 7/8	0.872	0.427		
XT54	6 3/4	4 1/4	70,400	960,700	42,200	0.99	10	15	26.62	6 7/32	4 1/8	0.879	0.407		
XT57	7	4 3/8	85,600	1,107,100	51,400	1.19	10	15	26.99	6 15/32	4 1/4	0.882	0.413		
5 1/2 FH	7 1/4	3 1/2	75,000	1,619,200	40,000	0.95	10	12	29.07	6 25/32	3 3/8	0.863	0.445	5 1/2	
HT55	7	4	77,200	1,265,800	46,300	0.97	10	15	27.88	6 15/32	3 7/8	0.872	0.427		
XT54	6 3/4	4 1/4	70,400	960,700	42,200	0.89	10	15	26.62	6 7/32	4 1/8	0.879	0.407		
XT57	7	4 3/8	85,600	1,107,100	51,400	1.08	10	15	26.99	6 15/32	4 1/4	0.882	0.413		
GPDS55	7	4	74,200	1,292,500	44,500	0.94	10	12	27.30	6 17/32	3 7/8	0.874	0.418		
5 1/2 FH	7 1/2	3	90,200	1,925,500	47,700	0.89	10	12	30.66	7	2 7/8	0.854	0.469	5 1/2	
HT55	7	3 3/4	87,700	1,448,400	52,600	0.86	10	15	28.44	6 5/8	3 5/8	0.867	0.435		
XT54	6 3/4	4	86,600	1,155,100	52,000	0.85	10	15	27.20	6 9/32	3 7/8	0.873	0.416		

Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data

Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
5 7/8	23.40	E-75 IEU	58,600	469,000	0.361	5.153	6.254	23.868	47.737	7,453	8,065
5 7/8	23.40	X-95 IEU	74,200	594,100	0.361	5.153	6.254	23.868	47.737	8,775	10,216
5 7/8	23.40	G-105 IEU	82,000	656,600	0.361	5.153	6.254	23.868	47.737	9,362	11,291
5 7/8	23.40	S-135 IEU	105,500	844,200	0.361	5.153	6.254	23.868	47.737	10,825	14,517
5 7/8	23.40	Z-140 IEU	109,400	875,500	0.361	5.153	6.254	23.868	47.737	11,023	15,054
5 7/8	23.40	V-150 IEU	117,200	938,000	0.361	5.153	6.254	23.868	47.737	11,376	16,130
5 7/8	26.40	E-75 IEU	65,500	533,900	0.415	5.045	7.119	26.680	53.360	9,558	9,271
5 7/8	26.40	X-95 IEU	83,000	676,300	0.415	5.045	7.119	26.680	53.360	11,503	11,744
5 7/8	26.40	G-105 IEU	91,700	747,400	0.415	5.045	7.119	26.680	53.360	12,414	12,980
5 7/8	26.40	S-135 IEU	117,900	961,000	0.415	5.045	7.119	26.680	53.360	14,892	16,688
5 7/8	26.40	Z-140 IEU	122,300	996,600	0.415	5.045	7.119	26.680	53.360	15,266	17,306
5 7/8	26.40	V-150 IEU	131,000	1,067,800	0.415	5.045	7.119	26.680	53.360	15,976	18,543
6 5/8	25.20	E-75 IEU	70,600	489,500	0.330	5.965	6.526	32.416	64.831	4,788	6,538
6 5/8	25.20	E-75 IEU	70,600	489,500	0.330	5.965	6.526	32.416	64.831	4,788	6,538
6 5/8	25.20	E-75 IEU	70,600	489,500	0.330	5.965	6.526	32.416	64.831	4,788	6,538
6 5/8	25.20	X-95 IEU	89,400	620,000	0.330	5.965	6.526	32.416	64.831	5,321	8,281
6 5/8	25.20	X-95 IEU	89,400	620,000	0.330	5.965	6.526	32.416	64.831	5,321	8,281
6 5/8	25.20	X-95 IEU	89,400	620,000	0.330	5.965	6.526	32.416	64.831	5,321	8,281
6 5/8	25.20	G-105 IEU	98,800	685,200	0.330	5.965	6.526	32.416	64.831	5,500	9,153
6 5/8	25.20	G-105 IEU	98,800	685,200	0.330	5.965	6.526	32.416	64.831	5,500	9,153
6 5/8	25.20	G-105 IEU	98,800	685,200	0.330	5.965	6.526	32.416	64.831	5,500	9,153
6 5/8	25.20	S-135 IEU	127,000	881,000	0.330	5.965	6.526	32.416	64.831	6,036	11,768
6 5/8	25.20	S-135 IEU	127,000	881,000	0.330	5.965	6.526	32.416	64.831	6,036	11,768
6 5/8	25.20	S-135 IEU	127,000	881,000	0.330	5.965	6.526	32.416	64.831	6,036	11,768
6 5/8	25.20	S-135 IEU	127,000	881,000	0.330	5.965	6.526	32.416	64.831	6,036	11,768
6 5/8	25.20	Z-140 IEU	131,700	913,700	0.330	5.965	6.526	32.416	64.831	6,121	12,204
6 5/8	25.20	Z-140 IEU	131,700	913,700	0.330	5.965	6.526	32.416	64.831	6,121	12,204
6 5/8	25.20	Z-140 IEU	131,700	913,700	0.330	5.965	6.526	32.416	64.831	6,121	12,204
6 5/8	25.20	Z-140 IEU	131,700	913,700	0.330	5.965	6.526	32.416	64.831	6,121	12,204

Tool Joint Data

Assembly Data

Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint OD for Prem. Class		Drift Diameter	Capacity	Displacement	Size OD
										lb/ft	in.				
XT57	7	4 1/4	94,300	1,208,700	56,600	1.61	10	15	26.46	6 15/32	4 1/8	1.059	0.405	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	1.27	10	15	26.46	6 15/32	4 1/8	1.059	0.405	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	1.15	10	15	26.46	6 15/32	4 1/8	1.059	0.405	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	0.89	10	15	26.46	6 15/32	4 1/8	1.059	0.405	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	0.86	10	15	26.46	6 17/32	4 1/8	1.059	0.405	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	0.80	10	15	26.46	6 5/8	4 1/8	1.059	0.405	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	1.44	10	15	29.10	6 15/32	4 1/8	1.017	0.445	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	1.14	10	15	29.10	6 15/32	4 1/8	1.017	0.445	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	1.03	10	15	29.10	6 15/32	4 1/8	1.017	0.445	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	0.80	10	15	29.10	6 5/8	4 1/8	1.017	0.445	5 7/8	
XT57	7	4 1/4	94,300	1,208,700	56,600	0.77	10	15	29.10	6 21/32	4 1/8	1.017	0.445	5 7/8	
XT57	7	4	106,200	1,403,100	63,700	0.81	10	15	29.68	6 5/8	3 7/8	1.011	0.454	6 5/8	
6 5/8 FH	8	5	73,700	1,448,400	38,400	1.04	10	13	28.81	7 7/16	4 7/8	1.423	0.441	6 5/8	
6 5/8 HT65	8	5	99,700	1,448,400	59,800	1.41	10	16	29.40	7 11/32	4 7/8	1.420	0.450	6 5/8	
6 5/8 XT65	8	5	135,300	1,543,700	81,200	1.92	10	15	29.20	7 11/32	4 7/8	1.421	0.447	6 5/8	
6 5/8 FH	8	5	73,700	1,448,400	38,400	0.82	10	13	28.81	7 5/8	4 7/8	1.423	0.441	6 5/8	
6 5/8 HT65	8	5	99,700	1,448,400	59,800	1.12	10	16	29.40	7 11/32	4 7/8	1.420	0.450	6 5/8	
6 5/8 XT65	8	5	135,300	1,543,700	81,200	1.51	10	15	29.20	7 11/32	4 7/8	1.421	0.447	6 5/8	
6 5/8 FH	8 1/4	4 3/4	86,200	1,678,100	44,600	0.87	10	13	30.25	7 11/16	4 5/8	1.415	0.463	6 5/8	
6 5/8 HT65	8	5	99,700	1,448,400	59,800	1.01	10	16	29.40	7 13/32	4 7/8	1.420	0.450	6 5/8	
6 5/8 XT65	8	5	135,300	1,543,700	81,200	1.37	10	15	29.20	7 11/32	4 7/8	1.421	0.447	6 5/8	
6 5/8 FH	8 1/2	4 1/4	109,200	2,102,300	56,100	0.86	10	13	32.32	7 29/32	4 1/8	1.402	0.494	6 5/8	
6 5/8 HT65	8	5	99,700	1,448,400	59,800	0.79	10	16	29.40	7 5/8	4 7/8	1.420	0.450	6 5/8	
6 5/8 XT65	8	5	135,300	1,543,700	81,200	1.07	10	15	29.20	7 11/32	4 7/8	1.421	0.447	6 5/8	
6 5/8 GPDS65	8	4 15/16	102,000	1,538,600	61,200	0.80	10	13	28.98	7 21/32	4 13/16	1.421	0.443	6 5/8	
6 5/8 FH	8 1/2	4 1/4	109,200	2,102,300	56,100	0.83	10	13	32.32	7 31/32	4 1/8	1.402	0.494	6 5/8	
6 5/8 HT65	8	5	99,700	1,448,400	59,800	0.76	10	16	29.40	7 11/16	4 7/8	1.420	0.450	6 5/8	
6 5/8 XT65	8	5	135,300	1,543,700	81,200	1.03	10	15	29.20	7 11/32	4 7/8	1.421	0.447	6 5/8	
6 5/8 GPDS65	8	4 7/8	107,500	1,596,400	64,500	0.82	10	13	29.14	7 21/32	4 3/4	1.419	0.443	6 5/8	

*2 Longer than standard.

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Drill Pipe Data Tables

Drill Pipe Data Tables

Pipe Data											
Size OD	Nominal Weight	Grade and Upset Type	Torsional Yield Strength	Tensile Yield Strength	Wall Thickness	Nominal ID	Pipe Body Section Area	Pipe Body Section Modulus	Pipe Body Polar Section Modulus	Internal Pressure	Collapse Pressure
in.	lb/ft		ft.-lb.	lb.	in.	in.	sq. in.	cu. in.	cu. in.	psi	psi
6 5/8	25.20	V-150 IEU	141,200	978,900	0.330	5.965	6.526	32.416	64.831	6,260	13,075
	25.20	V-150 IEU	141,200	978,900	0.330	5.965	6.526	32.416	64.831	6,260	13,075
	25.20	V-150 IEU	141,200	978,900	0.330	5.965	6.526	32.416	64.831	6,260	13,075
	25.20	V-150 IEU	141,200	978,900	0.330	5.965	6.526	32.416	64.831	6,260	13,075
6 5/8	27.70	E-75 IEU	76,300	534,200	0.362	5.901	7.123	35.040	70.080	5,894	7,172
	27.70	E-75 IEU	76,300	534,200	0.362	5.901	7.123	35.040	70.080	5,894	7,172
	27.70	E-75 IEU	76,300	534,200	0.362	5.901	7.123	35.040	70.080	5,894	7,172
6 5/8	27.70	X-95 IEU	96,600	676,700	0.362	5.901	7.123	35.040	70.080	6,755	9,084
	27.70	X-95 IEU	96,600	676,700	0.362	5.901	7.123	35.040	70.080	6,755	9,084
	27.70	X-95 IEU	96,600	676,700	0.362	5.901	7.123	35.040	70.080	6,755	9,084
6 5/8	27.70	G-105 IEU	106,800	747,900	0.362	5.901	7.123	35.040	70.080	7,103	10,040
	27.70	G-105 IEU	106,800	747,900	0.362	5.901	7.123	35.040	70.080	7,103	10,040
	27.70	G-105 IEU	106,800	747,900	0.362	5.901	7.123	35.040	70.080	7,103	10,040
6 5/8	27.70	S-135 IEU	137,300	961,600	0.362	5.901	7.123	35.040	70.080	7,813	12,909
	27.70	S-135 IEU	137,300	961,600	0.362	5.901	7.123	35.040	70.080	7,813	12,909
	27.70	S-135 IEU	137,300	961,600	0.362	5.901	7.123	35.040	70.080	7,813	12,909
	27.70	S-135 IEU	137,300	961,600	0.362	5.901	7.123	35.040	70.080	7,813	12,909
6 5/8	27.70	Z-140 IEU	142,400	997,200	0.362	5.901	7.123	35.040	70.080	7,881	13,387
	27.70	Z-140 IEU	142,400	997,200	0.362	5.901	7.123	35.040	70.080	7,881	13,387
	27.70	Z-140 IEU	142,400	997,200	0.362	5.901	7.123	35.040	70.080	7,881	13,387
	27.70	Z-140 IEU	142,400	997,200	0.362	5.901	7.123	35.040	70.080	7,881	13,387
6 5/8	27.70	V-150 IEU	152,600	1,068,400	0.362	5.901	7.123	35.040	70.080	7,970	14,343
	27.70	V-150 IEU	152,600	1,068,400	0.362	5.901	7.123	35.040	70.080	7,970	14,343
	27.70	V-150 IEU	152,600	1,068,400	0.362	5.901	7.123	35.040	70.080	7,970	14,343
	27.70	V-150 IEU	152,600	1,068,400	0.362	5.901	7.123	35.040	70.080	7,970	14,343

Tool Joint Data										Assembly Data				
Connection Type	Outside Diameter	Inside Diameter	Torsional Yield Strength	Tensile Yield Strength	Make-up Torque	Torsional Ratio Tool Joint to Pipe	* Pin Tong Space	* Box Tong Space	Adjusted Weight	Minimum Tool Joint OD for Prem. Class	Drift Diameter	Capacity	Displacement	Size OD
	in.	in.	ft.-lb.	lb.	ft.-lb.		in.	in.	lb/ft	in.	in.	US gal/ft	US gal/ft	in.
6 5/8 FH	8 1/2	4 1/4	109,200	2,102,300	56,100	0.77	10	13	32.22	8 1/32	4 1/8	1.402	0.494	6 5/8
	HT65	8	5	99,700	1,448,400	59,800	0.71	10	16	29.40	7 3/4	4 7/8	1.420	0.450
	XT65	8	5	135,300	1,543,700	81,200	0.96	10	15	29.20	7 11/32	4 7/8	1.421	0.447
	GPDS65	8 1/4	4 3/4	119,000	1,709,800	71,400	0.84	10	13	30.25	7 11/16	4 5/8	1.415	0.463
6 5/8 FH	8	5	73,700	1,448,400	38,400	0.97	10	13	30.64	7 1/2	4 7/8	1.394	0.469	6 5/8
	HT65	8	5	99,700	1,448,400	59,800	1.31	10	16	31.22	7 11/32	4 7/8	1.391	0.478
	XT65	8	5	135,300	1,543,700	81,200	1.77	10	15	31.03	7 11/32	4 7/8	1.392	0.475
6 5/8 FH	8 1/4	4 3/4	86,200	1,678,100	44,600	0.89	10	13	32.08	7 11/16	4 5/8	1.386	0.491	6 5/8
	HT65	8	5	99,700	1,448,100	59,800	1.03	10	16	31.22	7 3/8	4 7/8	1.391	0.478
	XT65	8	5	135,300	1,543,700	81,200	1.40	10	15	31.03	7 11/32	4 7/8	1.392	0.475
6 5/8 FH	8 1/4	4 3/4	86,200	1,678,100	44,600	0.81	10	13	32.08	7 3/4	4 5/8	1.386	0.491	6 5/8
	HT65	8	5	99,700	1,448,400	59,800	0.93	10	16	31.22	7 15/32	4 7/8	1.391	0.478
	XT65	8	5	135,300	1,543,700	81,200	1.27	10	15	31.03	7 11/32	4 7/8	1.392	0.475
6 5/8 FH	8 1/2	4 1/4	109,200	2,102,300	56,100	0.80	10	13	34.14	8	4 1/8	1.373	0.522	6 5/8
	HT65	8	5	99,700	1,448,400	59,800	0.73	10	16	31.22	7 23/32	4 7/8	1.391	0.478
	XT65	8	5	135,300	1,543,700	81,200	0.99	10	15	31.03	7 11/32	4 7/8	1.392	0.475
	GPDS65	8	4 7/8	107,500	1,596,400	64,500	0.78	10	13	30.97	7 23/32	4 3/4	1.390	0.474
6 5/8 FH	8 1/2	4 1/4	109,200	2,102,300	56,100	0.77	10	13	34.14	8 1/32	4 1/8	1.373	0.522	6 5/8
	HT65	8	5	99,700	1,448,400	59,800	0.70	10	16	31.22	7 3/4	4 7/8	1.391	0.478
	XT65	8	5	135,300	1,543,700	81,200	0.95	10	15	31.03	7 11/32	4 7/8	1.392	0.475
	GPDS65	8 1/4	4 3/4	119,000	1,709,800	71,400	0.84	10	13	32.08	7 11/16	4 5/8	1.386	0.491
6 5/8 FH	8 1/2	4 1/4	109,200	2,102,300	56,100	0.72	10	13	34.14	8 1/8	4 1/8	1.373	0.522	6 5/8
	HT65	8	5	99,700	1,448,400	59,800	0.65	10	16	31.22	7 27/32	4 7/8	1.391	0.478
	XT65	8	5	135,300	1,543,700	81,200	0.89	10	15	31.03	7 7/16	4 7/8	1.392	0.475
	GPDS65	8 1/4	4 3/4	119,000	1,709,800	71,400	0.78	10	13	32.08	7 25/32	4 5/8	1.386	0.491

*2 Longer than standard.

Notes:

1. Torsional yield strength of conventional tool joints is calculated per paragraph A.8.1 of API RP7G.
2. Torsional yield strength of HI TORQUE® tool joints is calculated per a formula similar to the one in paragraph A.8.1 of API RP7G.
3. The make-up torque of the tool joint is based on the lower of 60% of the Tool joint torsional yield strength or the T3 value calculated per the equation in paragraph A.8.3 of API RP7G. Minimum make-up torques of 50% of the tool joint torsional strength may also be used.
4. The adjusted weight of the assembly is based on an average pipe length of 29.4 ft plus the tool joint length.
5. The minimum tool joint OD for premium class is based on a tool joint torsional strength of 80% of the torsional strength of the premium class pipe to which it is attached.

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