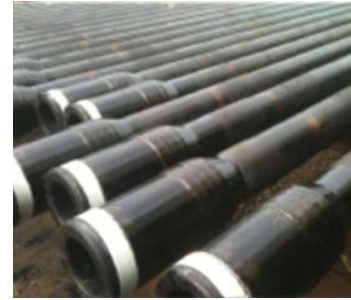


Pipeline drilling



OD (Inch)	Connection	Grade	Range	Thickness (Inch)	Nominal Weight (Lb/ft)	Adjusted Weight	Tool Joint OD (Inch)	Tool Joint ID (Inch)	Pipeline ID (Inch)	Tool Joint Creep(ft-lb)	Min tighten (ft-lb)	Max tighten (ft-lb)	Premium tube rupture (Lbs)
2 7/8	NC31	S-135	II	0.362	10.40	11.89	4 1/8	2	2.151	13,200	6,600	7,900	299,763
2 7/8	HT26	S-135	II	0.362	10.40	11.67	3 21/32	1 1/2	2.151	13,100	6,600	7,800	299,763
2 7/8	XT27	S-135	II	0.362	10.40	11.24	3 3/8	1 27/32	2.151	11,900	5,900	7,100	299,763
2 7/8	WT26	S-135	II	0.362	10.40	10.50	3 3/8	1 3/4	2.151	11,200	2,800	9,800	299,763
3 1/2	HT38	S-135	II	0.368	13.30	15.54	4 7/8	2 9/16	2.764	29,400	14,700	17,600	381,870
3 1/2	NC38	S-135	II	0.368	13.30	15.30	4 7/8	2 9/16	2.764	20,100	10,000	12,100	381,870
3 1/2	NC38	G-105	II	0.449	15.50	17.28	4 3/4	2 9/16	2.602	19,200	9,600	11,500	350,867
3 1/2	NC38	S-135	II	0.449	15.50	17.28	4 3/4	2 9/16	2.602	19,200	9,600	11,500	451,115
3 1/2	NC38	S-135	II	0.449	15.50	17.50	4 7/8	2 9/16	2.602	20,100	10,000	12,100	451,115
3 1/2	NC38	S-135	II	0.449	15.50	17.67	4 7/8	2 7/16	2.602	22,000	11,000	13,200	451,115
3 1/2	NC38	S-135	II	0.449	15.50	18.16	5	2 9/16	2.602	20,100	10,000	12,100	451,115
4	XT38	S-135	II	0.330	14.00	16.22	4 3/4	2 11/16	3.34	27,600	13,900	16,600	403,526
4	XT39	S-135	II	0.330	14.00	16.34	4 7/8	2 11/16	3.34	35,300	17,700	21,200	403,526
4	XT40	S-135	II	0.300	14.00	16.13	5	2 11/16	3.34	29,400	14,700	17,600	403,526
4 1/2	NC46	S-135	II	0.337	16.66	20.46	6 1/4	3	3.826	39,000	19,500	23,400	468,296
4 1/2	NC46	S-135	III	0.337	16.66	19.59	6 1/4	2 3/4	3.826	44,400	22,200	26,600	468,296
5	NC50	G-105	II	0.362	19.50	24.11	6 5/8	3 1/4	4.276	51,200	25,600	30,700	436,149
5	NC50	S-135	II	0.362	19.50	24.11	6 5/8	3 1/4	4.276	51,200	25,600	30,700	560,763
5	XT50	S-135	II	0.362	19.50	23.65	6 1/2	3 3/4	4.276	76,900	38,500	46,100	560,763
5	XT50	S-135	II	0.362	19.50	24.52	6 1/2	3 1/2	4.276	88,000	44,000	52,800	560,763
5	NC50	S-135	III	0.362	19.50	22.39	6 5/8	2 3/4	4.276	63,400	31,700	38,000	560,763
5 1/2	HT55	S-135	II	0.361	21.90	26.48	7	4	4.778	77,100	38,600	46,300	620,604
5 7/8	XT57	S-135	II	0.361	23.40	28.31	7	4 1/4	5.153	94,200	47,200	56,500	666,535
5 7/8	XT57	S-135	II	0.415	26.30	30.88	8	4 1/4	5.045	94,200	47,200	56,500	757,114
6 5/8	6 5/8" FH	S-135	II	0.362	27.70	36.18	8 1/2	4 1/4	5.901	108,353	54,200	65,000	760,352
6 5/8	6 5/8" FH	S-135	III	0.522	34.02	44.34	8 1/2	4 1/4	5.581	108,353	54,200	65,000	1,062,414
6 5/8	6 5/8" FH	S-135	II	0.522	34.02	47.54	8 1/2	4 1/4	5.581	108,353	54,200	65,000	1,062,414