

DRILL PIPE

PIPE BODY										TOOL JOINT									ASSEMBLY					
Nominal Size	Nominal Weight	Grade	Upset	Wall Thickness	ID	Torsional Strength	Tensile Strength	Burst Pressure	Collapse Pressure	Connection	OD	ID	Pin Tong Space	Box Tong Space	Make-up Torque	Torsional Strength	Tensile Strength	Torsional Ratio	Adjusted Weight	Capacity	Displacement (open end)	Premium OD	Premium Make-up	Nominal Size
in	lbs/ft			in	in	ft-lbs	lbs	psi	psi		in	in	in	in	ft-lbs	ft-lbs	lbs		lbs/ft	US gal/ft	US gal/ft	in	ft-lbs	
2 7/8	10.40	G-105	EU	0.362	2.151	16,176	300,082	23,137	23,112	NC-31	4 1/8	2	9	11	7,895	13,389	495,726	0.83	11.39	0.19	0.17	3 15/16	6,110	2 7/8
2 7/8	10.40	G-105	EU	0.362	2.151	16,176	300,082	23,137	23,112	2 7/8 OH	3 7/8	2 5/32	9	11	5,194	8,814	345,566	0.54	11.40	0.19	0.17	3 19/32	4,411	2 7/8
2 7/8	10.40	S-135	EU	0.362	2.151	20,798	385,820	29,747	29,716	NC-31	4 3/8	1 5/8	9	11	10,086	17,170	623,844	0.83	12.12	0.18	0.19	4 1/16	7,694	2 7/8
2 7/8	10.40	S-135	EU	0.362	2.151	20,798	385,820	29,747	29,716	2 7/8 OH	3 7/8	2 5/32	9	11	5,194	8,814	345,566	0.42	11.40	0.19	0.17	3 21/32	4,950	2 7/8
3 1/2	13.30	G-105	EU	0.368	2.764	25,970	380,200	19,320	19,758	NC-38	5	2 7/16	10	12 1/2	13,221	22,213	708,063	0.86	14.68	0.31	0.23	4 21/32	9,879	3 1/2
3 1/2	13.30	S-135	EU	0.368	2.764	33,392	488,825	24,840	25,404	NC-38	5	2 1/8	10	12 1/2	15,902	26,515	842,440	0.79	15.68	0.30	0.24	4 13/16	12,614	3 1/2
3 1/2	13.30	S-135	EU	0.368	2.764	33,392	488,825	24,840	25,404	NC-38	4 7/8	2 9/16	10	12 1/2	12,057	20,326	649,158	0.61	15.40	0.31	0.23	4 3/4	11,500	3 1/2
3 1/2	13.30	S-135	EU	0.368	2.764	33,392	488,825	24,840	25,404	NC-38 DS	4 7/8	2 9/16	10	12 1/2	15,375	25,626	649,158	0.77	15.41	0.31	0.23	4 5/8	12,576	3 1/2
3 1/2	13.30	S-135	EU	0.368	2.764	33,392	488,825	24,840	25,404	NC-38 DS	5	2 7/16	10	12 1/2	17,505	29,176	708,063	0.87	15.74	0.30	0.24	4 19/32	12,930	3 1/2
3 1/2	13.30	S-135	EU	0.368	2.764	33,392	488,825	24,840	25,404	NC-38 DS	5	2 9/16	10	12 1/2	15,477	25,794	649,158	0.77	15.63	0.31	0.24	4 5/8	12,576	3 1/2
3 1/2	13.30	S-135	EU	0.368	2.764	33,392	488,825	24,840	25,404	NC-40	5 3/8	2 7/16	10	12 1/2	17,858	29,930	897,161	0.90	16.44	0.30	0.25	5	12,569	3 1/2
3 1/2	15.50	G-105	EU	0.449	2.602	29,500	451,890	23,573	23,484	NC-38	5	2 1/8	10	12 1/2	15,902	26,515	842,440	0.90	18.32	0.27	0.27	4 23/32	10,957	3 1/2
3 1/2	15.50	G-105	EU	0.449	2.602	29,500	451,890	23,573	23,484	NC-38	5	2 7/16	10	12 1/2	13,221	22,213	708,063	0.75	18.06	0.27	0.27	4 23/32	10,957	3 1/2
3 1/2	15.50	G-105	EU	0.449	2.602	29,500	451,890	23,573	23,484	NC-38	5	2 9/16	10	12 1/2	12,057	20,326	649,158	0.69	17.95	0.28	0.27	4 23/32	10,957	3 1/2
3 1/2	15.50	G-105	EU	0.449	2.602	29,500	451,890	23,573	23,484	NC-40	5 1/4	2 9/16	9	12	16,616	27,760	838,257	0.94	18.19	0.28	0.27	4 15/16	11,363	3 1/2
3 1/2	15.50	S-135	EU	0.449	2.602	37,960	581,000	30,308	30,194	NC-38	5	2 7/16	10	12 1/2	13,221	22,213	708,063	0.59	17.86	0.27	0.27	4 13/16	12,625	3 1/2
3 1/2	15.50	S-135	EU	0.449	2.602	37,960	581,000	30,308	30,194	NC-38	5	2 9/16	10	12 1/2	12,057	20,326	649,158	0.54	17.76	0.27	0.27	4 13/16	12,070	3 1/2
3 1/2	15.50	S-135	EU	0.449	2.602	37,960	581,000	30,308	30,194	NC-40	5 1/2	2 1/4	9	12	19,616	32,943	979,996	0.87	18.31	0.27	0.28	5 3/32	14,419	3 1/2
4	14.00	G-105	IU	0.330	3.340	32,603	399,502	15,159	15,896	NC-40	5 1/2	2 7/16	9	12	17,858	30,114	897,161	0.92	16.87	0.44	0.26	5	12,569	4
4	14.00	G-105	IU	0.330	3.340	32,603	399,502	15,159	15,896	NC-40	5 1/4	2 9/16	9	12	16,616	27,760	838,257	0.85	16.49	0.43	0.25	5	12,569	4
4	14.00	G-105	IU	0.330	3.340	32,603	399,502	15,159	15,896	NC-40 DS	5 1/4	2 11/16	9	12	19,524	32,541	776,406	1.00	16.38	0.44	0.25	4 13/16	13,067	4
4	14.00	G-105	EU	0.330	3.340	32,603	399,502	15,159	15,896	NC-46	6	3 1/4	9	12	19,937	33,625	901,164	1.03	16.79	0.45	0.26	5 7/16	12,813	4
4	14.00	S-135	IU	0.330	3.340	41,918	513,646	19,491	20,141	NC-40	5 1/2	2 7/16	9	12	17,858	30,114	897,161	0.72	16.87	0.44	0.26	5 5/32	15,677	4
4	14.00	S-135	IU	0.330	3.340	41,918	513,646	19,491	20,141	NC-40	5 1/4	2 7/16	9	12	17,848	29,747	897,161	0.71	16.60	0.43	0.25	5 5/32	15,677	4
4	14.00	S-135	IU	0.330	3.340	41,918	513,646	19,491	20,141	NC-40	5 1/4	2 9/16	9	12	16,616	27,760	838,257	0.66	16.30	0.44	0.25	5 5/32	15,677	4
4	14.00	S-135	IU	0.330	3.340	41,918	513,646	19,491	20,141	NC-40 DS	5 1/4	2 9/16	9	12	21,769	36,282	838,257	0.87	16.49	0.43	0.25	4 29/32	15,812	4
4	14.00	S-135	EU	0.330	3.340	41,918	513,646	19,491	20,141	NC-46	6	3	9	12	23,399	39,229	1,048,426	0.94	17.24	0.45	0.26	5 9/16	15,787	4
4	15.70	G-105	IU	0.380	3.240	36,134	453,765	17,456	18,055	NC-40	5 1/2	2 7/16	9	12	17,858	30,114	897,161	0.83	18.44	0.41	0.28	5 1/16	13,797	4
4	15.70	G-105	EU	0.380	3.240	36,134	453,765	17,456	18,055	NC-40 DS	5 1/4	2 9/16	9	12	21,769	36,282	838,257	1.00	18.25	0.41	0.27	4 13/16	14,043	4
4	15.70	G-105	EU	0.380	3.240	36,134	453,765	17,456	18,055	NC-46	6	3	9	12	23,399	39,229	1,048,426	1.09	18.81	0.42	0.29	5 15/32	13,547	4
4	15.70	S-135	EU	0.380	3.240	46,458	583,413	22,444	23,213	NC-40 DS	5 1/4	2 9/16	9	12	21,769	36,282	838,257	0.78	18.25	0.41	0.27	5	17,629	4
4	15.70	S-135	EU	0.380	3.240	46,458	583,413	22,444	23,213	NC-46	6	3	9	12	23,399	39,229	1,048,426	0.84	19.27	0.42	0.29	5 21/32	18,083	4



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Texas Steel Conversion, Inc.

281-452-2260

7203 Miller Road #2 • Houston, Texas 77049 • sales@tsc-superiorhdd.com

tsc-superiorhdd.com

DRILL PIPE

PIPE BODY										TOOL JOINT								ASSEMBLY						
Nominal Size	Nominal Weight	Grade	Upset	Wall Thickness	ID	Torsional Strength	Tensile Strength	Burst Pressure	Collapse Pressure	Connection	OD	ID	Pin Tong Space	Box Tong Space	Make-up Torque	Torsional Strength	Tensile Strength	Torsional Ratio	Adjusted Weight	Capacity	Displacement (open end)	Premium OD	Premium Make-up	Nominal Size
in	lbs/ft			in	in	ft-lbs	lbs	psi	psi		in	in	in	in	ft-lbs	ft-lbs	lbs		lbs/ft	US gal/ft	US gal/ft	in	ft-lbs	
4 1/2	16.60	G-105	IEU	0.337	3.826	43,130	462,781	13,761	13,825	NC-46	6 1/4	3	9	12	23,399	39,659	1,048,426	0.92	19.85	0.57	0.30	5 19/32	16,546	4 1/2
4 1/2	16.60	G-105	EU	0.337	3.826	43,130	462,781	13,761	13,825	NC-50	6 3/8	3 3/4	9	12	22,605	37,676	939,095	0.87	18.93	0.59	0.29	5 29/32	16,638	4 1/2
4 1/2	16.60	S-135	IEU	0.337	3.826	55,453	595,004	17,693	16,773	NC-46	6 1/4	2 3/4	9	12	26,615	44,871	1,183,908	0.81	20.07	0.57	0.31	5 25/32	21,230	4 1/2
4 1/2	16.60	S-135	EU	0.337	3.826	55,453	595,004	17,693	16,773	NC-50	6 5/8	3 1/2	9	12	26,674	44,673	1,109,920	0.81	20.03	0.59	0.31	6 1/16	21,017	4 1/2
5	19.50	G-105	IEU	0.362	4.276	57,633	553,833	13,304	12,999	NC-50	6 5/8	3 1/4	9	12	30,730	51,447	1,268,963	0.89	23.35	0.71	0.36	6 3/32	21,914	5
5	19.50	G-105	IEU	0.362	4.276	57,633	553,833	13,304	12,999	NC-50 DS	6 5/8	3 1/2	9	12	35,926	59,877	1,109,920	1.04	23.30	0.72	0.35	5 13/16	22,691	5
5	19.50	G-105	IEU	0.362	4.276	57,633	553,833	13,304	12,999	5 1/2 FH	7	3 3/4	10	12	37,742	60,338	1,448,407	1.05	24.10	0.73	0.37	6 19/32	23,357	5
5	19.50	S-135	IEU	0.362	4.276	74,100	712,070	17,105	15,672	NC-50	6 5/8	2 3/4	9	12	38,036	63,406	1,551,706	0.86	24.23	0.70	0.37	6 5/16	28,381	5
5	19.50	S-135	IEU	0.362	4.276	74,100	712,070	17,105	15,672	NC-50 DS	6 5/8	3 1/4	9	12	43,010	71,683	1,268,963	0.97	23.82	0.71	0.36	6 1/32	28,796	5
5	19.50	S-135	IEU	0.362	4.276	74,100	712,070	17,105	15,672	5 1/2 FH	7 1/4	3 1/2	10	12	43,328	72,627	1,619,231	0.98	24.67	0.72	0.38	6 3/4	28,737	5
5	25.60	G-105	IEU	0.500	4.000	73,160	742,201	18,375	18,900	NC-50	6 5/8	2 3/4	9	12	38,036	63,406	1,551,706	0.87	30.19	0.62	0.46	6 9/32	27,437	5
5	25.60	G-105	IEU	0.500	4.000	73,160	742,201	18,375	18,900	NC-50 DS	6 5/8	3 1/4	9	12	43,010	71,683	1,268,963	0.98	29.68	0.63	0.45	5 7/8	27,455	5
5	25.60	G-105	IEU	0.500	4.000	73,160	742,201	18,375	18,900	5 1/2 FH	7 1/4	3 1/2	10	12	43,328	72,627	1,619,231	0.99	30.06	0.64	0.46	6 23/32	27,645	5
5	25.60	S-135	IEU	0.500	4.000	94,062	954,259	23,625	24,300	NC-50 DS	6 5/8	3 1/4	9	12	43,010	71,683	1,268,963	0.76	29.68	0.63	0.45	6 5/32	35,519	5
5	25.60	S-135	IEU	0.500	4.000	94,062	954,259	23,625	24,300	5 1/2 FH	7 1/4	3 1/4	10	12	47,230	76,156	1,778,274	0.81	30.58	0.63	0.47	6 15/16	35,446	5
5 1/2	21.90	G-105	IEU	0.361	4.778	70,994	611,963	12,061	10,753	5 1/2 FH	7 1/4	3 1/2	10	12	43,328	72,482	1,619,231	1.02	26.96	0.88	0.41	6 23/32	27,645	5 1/2
5 1/2	21.90	S-135	IEU	0.361	4.778	91,278	786,809	15,507	12,679	5 1/2 FH	7 1/2	3	10	12	52,059	87,341	1,925,536	0.96	28.16	0.87	0.43	6 15/16	35,446	5 1/2
5 1/2	21.90	S-135	IEU	0.361	4.778	91,278	786,809	15,507	12,679	5 1/2 FH	7 1/4	3 1/2	10	12	43,328	72,482	1,619,231	0.79	26.93	0.88	0.41	6 15/16	35,446	5 1/2
5 1/2	21.90	S-135	IEU	0.361	4.778	91,278	786,809	15,507	12,679	5 1/2 FH DS	7 1/4	3 1/2	10	12	60,893	101,488	1,619,231	1.11	26.93	0.88	0.41	6 9/16	39,323	5 1/2
5 1/2	24.70	G-105	IEU	0.415	4.670	79,204	696,111	13,856	14,013	5 1/2 FH	7 1/4	3 1/2	10	12	43,328	72,482	1,619,231	0.92	29.38	0.85	0.45	6 25/32	29,836	5 1/2
5 1/2	24.70	S-135	IEU	0.415	4.670	101,834	894,999	17,826	17,023	5 1/2 FH	7 1/2	3	10	12	52,059	87,341	1,925,536	0.86	30.88	0.83	0.47	7 1/32	38,901	5 1/2
5 1/2	24.70	S-135	IEU	0.415	4.670	101,834	894,999	17,826	17,023	5 1/2 FH	7 1/4	3 1/4	10	12	47,230	76,156	1,778,274	0.75	29.95	0.84	0.46	7 1/32	38,901	5 1/2
5 1/2	24.70	S-135	IEU	0.415	4.670	101,834	894,999	17,826	17,023	5 1/2 FH DS	7 1/4	3 1/2	10	12	60,893	101,488	1,619,231	1.00	29.66	0.85	0.45	6 5/8	41,475	5 1/2
5 7/8	23.40	S-135	IEU	0.361	5.153	105,489	844,224	14,517	10,825	5 1/2 FH DS	7	4	10	12	43,229	72,049	1,265,801	0.68	27.09	1.06	0.41	6 13/16	40,559	5 7/8
5 7/8	23.40	S-135	IEU	0.361	5.153	105,489	844,224	14,517	10,825	5 1/2 FH DS	7 1/4	3 1/2	10	12	60,893	101,488	1,619,231	0.96	28.38	1.02	0.43	6 5/8	41,475	5 7/8
5 7/8	26.30	S-135	IEU	0.415	5.045	117,915	961,002	16,688	14,892	5 1/2 FH DS	7	3 3/4	10	12	51,333	85,556	1,448,407	0.73	30.37	0.99	0.46	6 27/32	45,586	5 7/8
5 7/8	26.30	S-135	IEU	0.415	5.045	117,915	961,002	16,688	14,892	5 1/2 FH DS	7 1/4	3 1/2	10	12	60,893	101,488	1,619,231	0.86	31.32	0.98	0.47	6 3/4	45,867	5 7/8
6 5/8	25.20	S-135	IEU	0.330	5.965	127,045	881,035	11,768	6,036	6 5/8 FH	8 1/2	4 1/4	10	13	65,012	109,227	2,102,260	0.86	32.14	1.37	0.50	7 15/16	49,689	6 5/8
6 5/8	27.70	S-135	IEU	0.362	5.901	137,331	961,556	12,909	7,813	6 5/8 FH	8 1/2	4 1/4	10	13	65,012	109,227	2,102,260	0.80	34.17	1.34	0.53	8 1/32	54,225	6 5/8
6 5/8	27.70	S-135	IEU	0.362	5.901	137,331	961,556	12,909	7,813	6 5/8 FH DS	8	4 1/2	10	13	75,503	125,838	1,896,062	0.92	32.26	1.35	0.49	7 5/8	57,695	6 5/8
6 5/8	27.70	S-135	IEU	0.362	5.901	137,331	961,556	12,909	7,813	6 5/8 FH DS	8	5	10	13	55,927	93,212	1,448,416	0.68	31.38	1.38	0.47	7 13/16	55,422	6 5/8



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281-452-2260

7203 Miller Road #2 • Houston, Texas 77049 • sales@tsc-superiorhdd.com

tsc-superiorhdd.com