

O.D. (INCH)	NOMINAL WEIGHT (T&C LBS/FT)	GRADE	COLLAPSE (PSI)	INTERNAL YEILD PRESSURE AT MINIMUM YIELD (PSI)				JOINT STRENGTH 1000 LBS			BODY YIELD 1000 LBS	WALL (IN)	LD (INCH)	DRIFT DIAMETER (INCH)	
				PE	STC	LTC	BTC	STC	LTC	BTC				API	SD
7.000	20.00	H-40	1970	2720	2720			176			230	0.272	6.456	6.331	
7.000	20.00	J-55	2270	3740	3740	3740	3740	234	257	373	316	0.272	6.456	6.331	
7.000	20.00	K-55	2270	3740	3740	3740	3740	254	281	451	316	0.272	6.456	6.331	
7.000	23.00	J-55	3270	4360	4360	4360	4360	284	313	432	366	0.317	6.366	6.241	6.250
7.000	23.00	K-55	3270	4360	4360	4360	4360	309	341	522	366	0.317	6.366	6.241	6.250
7.000	23.00	L-80	3830	6340		6340	6340		435	565	532	0.317	6.366	6.241	6.250
7.000	23.00	HCL-80	5650	6340		6340	6340		485	614	532	0.317	6.366	6.241	6.250
7.000	23.00	N-80	3830	6340		6340	6340		442	588	532	0.317	6.366	6.241	6.250
7.000	23.00	HCN-80	5650	6340		6340	6340		485	614	532	0.317	6.366	6.241	6.250
7.000	23.00	C-90	4030	7130		7130	7130		479	605	599	0.317	6.366	6.241	6.250
7.000	23.00	H2S-90	5650	7130		7130	7130		485	614	599	0.317	6.366	6.241	6.250
7.000	23.00	S-95	5650	7530		7530	7530		512	659	632	0.317	6.366	6.241	6.250
7.000	23.00	T-95	4140	7530		7530	7530		505	636	632	0.317	6.366	6.241	6.250
7.000	23.00	H2S-95	5650	7530		7530	7530		505	636	632	0.317	6.366	6.241	6.250
7.000	23.00	C-95	4140	7530		7530	7530		505	636	632	0.317	6.366	6.241	6.250
7.000	26.00	J-55	4320	4980	4980	4980	4980	334	367	490	415	0.362	6.276	6.151	
7.000	26.00	K-55	4320	4980	4980	4980	4980	364	401	592	415	0.362	6.276	6.151	
7.000	26.00	L-80	5410	7240		7240	7240		511	641	604	0.362	6.276	6.151	
7.000	26.00	HCL-80	7800	7240		7240	7240		570	696	604	0.362	6.276	6.151	
7.000	26.00	N-80	5410	7240		7240	7240		519	667	604	0.362	6.276	6.151	
7.000	26.00	HCN-80	7800	7240		7240	7240		570	696	604	0.362	6.276	6.151	
7.000	26.00	C-90	5740	8140		8140	8140		563	687	679	0.362	6.276	6.151	
7.000	26.00	H2S-90	7800	8150		8150	8150		570	696	679	0.362	6.276	6.151	
7.000	26.00	S-95	7800	8600		8600	8600		602	747	717	0.362	6.276	6.151	
7.000	26.00	T-95	5880	8600		8600	8600		593	722	717	0.362	6.276	6.151	
7.000	26.00	H2S-95	7800	8600		8600	8600		593	722	717	0.362	6.276	6.151	
7.000	26.00	C-95	5880	8600		8600	8600		593	722	717	0.362	6.276	6.151	
7.000	26.00	HCP-110	7800	9950		9950	9950		693	853	830	0.362	6.276	6.151	
7.000	26.00	P-110	6230	9950		9950	9950		639	853	830	0.362	6.276	6.151	
7.000	29.00	L-80	7020	8160		8160	8160		587	718	676	0.408	6.184	6.059	
7.000	29.00	HCL-80	9200	8160		8160	8160		655	780	676	0.408	6.184	6.059	
7.000	29.00	N-80	7020	8160		8160	8160		597	746	676	0.408	6.184	6.059	
7.000	29.00	HCN-80	9200	8160		8160	8160		655	780	676	0.408	6.184	6.059	
7.000	29.00	C-90	7580	9180		9180	9180		648	768	760	0.408	6.184	6.059	
7.000	29.00	H2S-90	9200	9180		9180	9180		655	780	760	0.408	6.184	6.059	
7.000	29.00	S-95	9200	9690		9690	9690		692	836	803	0.408	6.184	6.059	
7.000	29.00	T-95	7830	9690		9690	9690		683	808	803	0.408	6.184	6.059	
7.000	29.00	H2S-95	9200	9690		9690	9690		683	8080	803	0.408	6.184	6.059	
7.000	29.00	C-95	7830	9690		9690	9690		683	808	803	0.408	6.184	6.059	
7.000	29.00	HCP-110	9200	11220		11220	11220		797	955	929	0.408	6.184	6.059	
7.000	29.00	P-110	8530	11220		11220	11220		797	955	929	0.408	6.184	6.059	
7.000	29.00	HCQ-125	9200	12750		12750	12750		885	1045	1056	0.408	6.184	6.059	

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				PE	STC	LTC	BTC	STC	LTC	BTC				API	SD
7.000	29.00	Q-125	9100	12750		12750	12750		885	1045	1056	0.408	6.184	6.059	
7.000	29.00	V-150	9790	15300		15300	15300		1049	1243	1267	0.408	6.184	6.059	
7.000	32.00	L-80	8610	9060		9060	8460		661	791	745	0.453	6.094	5.969	6.000
7.000	32.00	HCL-80	10400	9060		9060	8460		738	832	745	0.453	6.094	5.969	6.000
7.000	32.00	N-80	8610	9060		9060	8460		672	823	745	0.453	6.094	5.969	6.000
7.000	32.00	HCN-80	10400	9060		9060	8460		738	860	745	0.453	6.094	5.969	6.000
7.000	32.00	C-90	9380	10190		10190	9520		729	847	839	0.453	6.094	5.969	6.000
7.000	32.00	H2S-90	10400	10190		10190	9520		738	860	839	0.453	6.094	5.969	6.000
7.000	32.00	S-95	10400	10760		10760	10050		779	922	885	0.453	6.094	5.969	6.000
7.000	32.00	T-95	9750	10760		10760	10050		768	891	885	0.453	6.094	5.969	6.000
7.000	32.00	H2S-95	10400	10760		10760	10050		768	891	885	0.453	6.094	5.969	6.000
7.000	32.00	C-95	9750	10760		10760	10050		768	891	885	0.453	6.094	5.969	6.000
7.000	32.00	P-110	10780	12460		12460	11640		897	1053	1025	0.453	6.094	5.969	6.000
7.000	32.00	Q-125	11720	14160		14160	13220		996	1152	1165	0.453	6.094	5.969	6.000
7.000	32.00	V-150	13020	16990		16990	15870		1180	1370	1398	0.453	6.094	5.969	6.000
7.000	35.00	L-80	10180	9960		9240	8460		734	833	814	0.498	6.004	5.879	
7.000	35.00	HCL-80	11600	9960		9240	8460		819	832	814	0.498	6.004	5.879	
7.000	35.00	N-80	10180	9960		9240	8460		746	876	814	0.498	6.004	5.879	
7.000	35.00	HCN-80	11600	9960		9240	8460		819	876	814	0.498	6.004	5.879	
7.000	35.00	C-90	11170	11210		10390	9520		809	876	915	0.498	6.004	5.879	
7.000	35.00	H2S-90	11600	11210		10390	9520		819	876	915	0.498	6.004	5.879	
7.000	35.00	S-95	11650	11830		10970	10050		865	964	966	0.498	6.004	5.879	
7.000	35.00	T-95	11650	11830		10970	10050		853	920	966	0.498	6.004	5.879	
7.000	35.00	H2S-95	11650	11830		10970	10050		853	920	966	0.498	6.004	5.879	
7.000	35.00	C-95	11650	11830		10970	10050		853	920	966	0.498	6.004	5.879	
7.000	35.00	P-110	13020	13700		12700	11640		996	1096	1119	0.498	6.004	5.879	
7.000	35.00	Q-125	14310	15560		14430	13220		1106	1183	1272	0.498	6.004	5.879	
7.000	35.00	V-150	16220	18680		17320	15870		1311	1402	1526	0.498	6.004	5.879	
7.000	38.00	L-80	11390	10800		9240	8460		801	832	877	0.540	5.920	5.795	
7.000	38.00	HCL-80	12700	10800		9240	8460		831	832	877	0.540	5.920	5.795	
7.000	38.00	N-80	11390	10800		9240	8460		814	876	877	0.540	5.920	5.795	
7.000	38.00	HCN-80	12700	10800		9240	8460		831	876	877	0.540	5.920	5.795	
7.000	38.00	C-90	12820	12150		10390	9520		883	876	986	0.540	5.920	5.795	
7.000	38.00	H2S-90	12820	12150		10390	9520		883	876	986	0.540	5.920	5.795	
7.000	38.00	S-95	13440	12830		10970	10050		944	964	1041	0.540	5.920	5.795	
7.000	38.00	T-95	13440	12830		10970	10050		931	920	1041	0.540	5.920	5.795	
7.000	38.00	H2S-95	13440	12830		10970	10050		931	920	1041	0.540	5.920	5.795	
7.000	38.00	C-95	13440	12830		10970	10050		931	920	1041	0.540	5.920	5.795	
7.000	38.00	P-110	15140	14850		12700	11640		1087	1096	1205	0.540	5.920	5.795	
7.000	38.00	Q-125	16750	16880		14430	13220		1207	1183	1370	0.540	5.920	5.795	
7.000	38.00	V-150	19240	20250		17320	15870		1430	1402	1644	0.540	5.920	5.795	
7.000	41.00	C-90	13900	13280		10390	9520		903	876	1069	0.590	5.820	5.695	
7.000	41.00	H2S-90	13900	13280		10390	9520		903	876	1069	0.590	5.820	5.695	
7.000	41.00	T-95	14670	14010		10970	10050		952	920	1129	0.590	5.820	5.695	

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				PE	STC	LTC	BTC	STC	LTC	BTC				API	SD
7.000	41.00	H2S-95	14670	14010		10970	10050		950	920	1129	0.590	5.820	5.695	
7.000	41.00	P-110	16990	16230		12700	11640		1111	1096	1307	0.590	5.820	5.695	
7.000	41.00	Q-125	19300	18440		14430	13220		1244	1183	1485	0.590	5.820	5.695	
7.000	41.00	V-150	22820	22130		17320	15870		1488	1402	1782	0.590	5.820	5.695	
7.000	42.70	C-90	14640	14060							1127	0.625	5.750	5.625	
7.000	42.70	T-95	15450	14840							1189	0.625	5.750	5.625	
7.000	46.40	C-90	15930	15460							1226	0.687	5.626	5.500	
7.000	46.40	T-95	16820	16320							1294	0.687	5.626	5.500	
7.000	50.10	C-90	17220	16880							1325	0.750	5.500	5.375	
7.000	50.10	T-95	18810	17810							1399	0.750	5.500	5.375	
7.000	53.60	C-90	18460	18270							1421	0.812	5.376	5.251	
7.000	53.60	T-95	19480	19290							1500	0.812	5.376	5.251	
7.000	57.10	C-90	19690	19690							1515	0.875	5.250	5.125	
7.000	57.10	T-95	20780	20780							1600	0.875	5.250	5.125	