

Size	Threaded Weight	Wall	I.D.	Grade	Collapse Resistance	Hydro pressure (psi)	Minimum Internal Yield Pressure (psi)				Joint Strength 1000 lbs			Body Yield 1000 lbs	Drift OD (inches)	Alt Drift (Oversize) API 5CT Table E.29
							PE	STC	LTC	BTC	STC	LTC	BTC			
4.500	9.50	0.205	4.090	J55	3310	4000	4380	4380			101		152	3.965		
4.500	10.50	0.224	4.052	J55	4010	6400	4790	4790		4790	132		203	166	3.927	
4.500	11.60	0.250	4.000	J55	4960	7100	5350	5350	5350	5350	154	162	225	184	3.875	
4.500	11.60	0.250	4.000	L80	6350	7100	7780		7780	7780		212	291	267	3.875	
4.500	11.60	0.250	4.000	L80 HC	8650	7100	7780		7780	7780		212	299	267	3.875	
4.500	11.60	0.250	4.000	N80	6350	7100	7780		7780	7780		223	304	267	3.875	
4.500	11.60	0.250	4.000	N80 HC	8650	7100	7780		7780	7780		223	312	267	3.875	
4.500	11.60	0.250	4.000	N80Q	6350	7100	7780		7780	7780				267	3.875	
4.500	11.60	0.250	4.000	P110	7580	10000	10690		10690	10690		279	385	367	3.875	
4.500	11.60	0.250	4.000	P110 HC	8650	10000	10690		10690	10690		279	385	367	3.875	
4.500	13.50	0.290	3.920	L80	8540	8200	9020		9020	9020		257	334	307	3.795	
4.500	13.50	0.290	3.920	L80 HC	10380	8200	9020		9020	9020		257	344	307	3.795	
4.500	13.50	0.290	3.920	N80	8540	8200	9020		9020	9020		270	349	307	3.795	
4.500	13.50	0.290	3.920	N80 HC	10380	8200	9020		9020	9020		270	359	307	3.795	
4.500	13.50	0.290	3.920	N80Q	8540	8200	9020		9020	9020				307	3.795	
4.500	13.50	0.290	3.920	P110	10680	10000	12410		12410	12410		338	443	422	3.795	
4.500	15.10	0.337	3.826	L80	11090	9600	10480		10480	10480		308	384	353	3.701	
4.500	15.10	0.337	3.826	L80 HC	12330	9600	10480		10480	9790		308	395	353	3.701	
4.500	15.10	0.337	3.826	N80	11090	9600	10480		10480	10480				353	3.701	
4.500	15.10	0.337	3.826	N80Q	11090	9600	10480		10480	10480				353	3.701	
4.500	15.10	0.337	3.826	P110	14350	10000	14420		14420	13460		406	509	485	3.701	
4.500	15.10	0.337	3.826	Q125	15840	10000	16380		16380	15300		438	554	551	3.701	
5.000	11.50	0.220	4.560	J55	3060	5600	4240	4240			133		182	4.435		
5.000	13.00	0.253	4.494	J55	4140	8900	4870	4870	4870	4870	169	182	252	208	4.369	
5.000	15.00	0.296	4.408	J55	5560	5200	5700	5700	5700	5700	207	223	293	241	4.283	
5.000	15.00	0.296	4.408	L80	7250	7600	8290		8290	8290		295	379	350	4.283	
5.000	15.00	0.296	4.408	L80 HC	9380	7600	8290		8290	8290		295	391	350	4.283	
5.000	15.00	0.296	4.408	N80	7250	7600	8290		8290	8290		331	396	350	4.283	
5.000	15.00	0.296	4.408	N80 HC	9380	7600	8290		8290	8290		331	408	350	4.283	
5.000	15.00	0.296	4.408	N80Q	7250	7600	8290		8290	8290				350	4.283	
5.000	15.00	0.296	4.408	P110	8850	10000	11400		11400	11400		388	503	481	4.283	
5.000	18.00	0.362	4.276	L80	10500	9300	10140		10140	9910		377	457	422	4.151	
5.000	18.00	0.362	4.276	L80 HC	11880	9300	10140		10140	9910		377	472	422	4.151	
5.000	18.00	0.362	4.276	N80	10500	9300	10140		10140	9910		396	477	422	4.151	
5.000	18.00	0.362	4.276	N80 HC	11880	9300	10140		10140	9910		396	492	422	4.151	
5.000	18.00	0.362	4.276	N80Q	10500	9300	10140		10140	9910				422	4.151	
5.000	18.00	0.362	4.276	P110	13470	10000	13940		13940	13620		495	606	580	4.151	
5.000	18.00	0.362	4.276	Q125	14830	10000	15840		15840	15840		535	661	659	4.151	
5.000	21.40	0.437	4.126	L80	12760	10000	12240		10810	9910		466	510	501	4.001	

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							PE	STC	LTC	BTC	STC	LTC	BTC			
5.000	21.40	0.437	4.126	N80	12760	10000	12240		10810	9910		490	537	501	4.001	
5.000	21.40	0.437	4.126	N80Q	12760	10000	12240		10810	9910				501	4.001	
5.000	21.40	0.437	4.126	P110	17550	10000	16820		14870	13620		613	671	689	4.001	
5.000	21.40	0.437	4.126	Q125	19940	10000	19120		16900	15480		662	724	783	4.001	
5.000	23.20	0.478	4.044	L80	13830	10000	13830		10810	9910		513	510	543	3.919	
5.000	23.20	0.478	4.044	L80 HC	15820	10000	13380		10810	9910		513	510	543	3.919	
5.000	23.20	0.478	4.044	N80	13830	10000	13380		10810	9910		540	537	543	3.919	
5.000	23.20	0.478	4.044	N80Q	13830	10000	13380		10810	9910				543	3.919	
5.000	23.20	0.478	4.044	P110	19020	10000	18400		14780	13626		675	671	747	3.919	
5.000	23.20	0.478	4.044	Q125	21620	10000	20910		16900	15480		729	724	849	3.919	
5.000	24.10	0.500	4.000	L80	14400	10000	14000		10810	9910		538	510	565	3.875	
5.000	24.10	0.500	4.000	N80	14400	10000	14000		10810	9910		558	537	57	3.875	
5.000	24.10	0.500	4.000	N80Q	14400	10000	14000		10810	9910				565	3.875	
5.000	24.10	0.500	4.000	P110	19800	10000	19250		14870	13620		708	671	778	3.875	
5.000	24.10	0.500	4.000	Q125	22500	10000	21880		16900	15480		765	724	884	3.875	
5.500	14.00	0.244	5.012	J55	3120	3900	4270	4270				172		222	4.887	
5.500	15.50	0.275	4.950	J55	4040	4400	4810	4810	4810	4810	202	217	300	248	4.825	
5.500	17.00	0.304	4.892	J55	4910	4900	5320	5320	5320	5320	229	247	329	273	4.767	
5.500	17.00	0.304	4.892	L80	6290	7100	7740		7740	7740		338	428	397	4.767	
5.500	17.00	0.304	4.892	N80	6290	7100	7740		7740	7740		348	446	397	4.767	
5.500	17.00	0.304	4.892	L80 HC	8580	7100	7740		7740	7740		338	443	397	4.767	
5.500	17.00	0.304	4.892	N80 HC	8580	7100	7740		7740	7740		356	462	397	4.767	
5.500	17.00	0.304	4.892	N80Q	6290	7100	7740		7740	7740				397	4.767	
5.500	17.00	0.304	4.892	P110	7480	10000	10640		10640	10640		445	568	546	4.767	
5.500	17.00	0.304	4.892	P110 HC	8580	10000	10640		10640	10640		445	568	546	4.767	
5.500	17.00	0.304	4.892	Q125	7890	10000	12090		12090	12090		481	620	620	4.767	
5.500	17.00	0.304	4.892	Q125 HC	8580	10000	12090		12090	12090		481	620	620	4.767	
5.500	20.00	0.361	4.778	L80	8830	8400	9190		9190	8990		416	503	466	4.653	
5.500	20.00	0.361	4.778	L80 HC	10630	8400	9190		9190	8990		416	521	466	4.653	
5.500	20.00	0.361	4.778	N80	8830	8400	9190		9190	8990		428	524	466	4.653	
5.500	20.00	0.361	4.778	N80 HC	10630	8400	9190		9190	8990		438	542	466	4.653	
5.500	20.00	0.361	4.778	N80Q	8830	8400	9190		9190	8990				466	4.653	
5.500	20.00	0.361	4.778	P110	11100	10000	12630		12630	12360		548	667	641	4.653	
5.500	20.00	0.361	4.778	Q125	12080	10000	14360		14360	14050		592	728	729	4.653	
5.500	23.00	0.415	4.670	L80	11160	9700	10560		9880	8990		489	550	530	4.545	
5.500	23.00	0.415	4.670	L80 HC	12450	9700	10560		9880	8990		489	550	530	4.545	
5.500	23.00	0.415	4.670	N80	11160	9700	10560		9880	8990		502	579	530	4.545	
5.500	23.00	0.415	4.670	N80 HC	12450	9700	10560		9880	8990		514	579	530	4.545	
5.500	23.00	0.415	4.670	N80Q	11160	9700	10560		9880	8990				530	4.545	
5.500	23.00	0.415	4.670	P110	14540	10000	14530		13580	12360		643	724	729	4.545	
5.500	23.00	0.415	4.670	Q125	16070	10000	16510		15430	14050		694	782	829	4.545	

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							PE	STC	LTC	BTC	STC	LTC	BTC			
6.625	20.00	0.288	6.049	J55	2970	3800	4180	4180	4180	4180	245	266	374	126	5.924	
6.625	24.00	0.352	5.921	J55	4560	4700	5110	5110	5110	5110	314	340	453	382	5.796	
6.625	24.00	0.352	5.921	L80	5760	6800	7440		7440	7440		473	592	555	5.796	
6.625	24.00	0.352	5.921	N80	5760	6800	7440		7440	7440		481	615	555	5.796	
6.625	24.00	0.352	5.921	N80Q	5760	6800	7440		7440	7440				555	5.796	
6.625	24.00	0.352	5.921	P110	6730	10000	10230		10230	10230		641	786	763	5.796	
6.625	28.00	0.417	5.791	L80	8170	8100	8810		8810	8810		576	693	651	5.666	
6.625	28.00	0.417	5.791	N80	8170	8100	8810		8810	8810		586	721	651	5.666	
6.625	28.00	0.417	5.791	N80Q	8170	8100	8810		8810	8810				651	5.666	
6.625	28.00	0.417	5.791	P110	10160	10000	12120		12120	12120		781	922	895	5.666	
6.625	32.00	0.475	5.675	L80	10320	9200	10040		10040	9820		666	783	734	5.550	
6.625	32.00	0.475	5.675	N80	10320	9200	10040		10040	9820		677	814	734	5.550	
6.625	32.00	0.475	5.675	N80Q	10320	9200	10040		10040	9820				734	5.550	
6.625	32.00	0.475	5.675	P110	13220	10000	1380		1380	13500		904	1040	1010	5.550	
6.625	32.00	0.475	5.675	Q125	14530	10000	15680		15680	15340		989	1138	1147	5.550	
7.000	20.00	0.272	6.456	J55	2270	3400	3740	3740	3740	3740	234	257	373	316	6.331	
7.000	23.00	0.317	6.366	J55	3270	4000	4360	4360	4360	4360	284	313	432	366	6.241	6.250
7.000	23.00	0.317	6.366	L80	3830	5800	6340		6340	6340		435	565	532	6.241	6.250
7.000	23.00	0.317	6.366	L80 HC	5650	5800	6340		6340	6340		461	592	532	6.241	6.250
7.000	23.00	0.317	6.366	N80	3830	5800	6340		6340	6340		442	588	532	6.241	6.250
7.000	23.00	0.317	6.366	N80 HC	5650	5800	6340		6340	6340		485	614	532	6.241	6.250
7.000	23.00	0.317	6.366	N80Q	3830	5800	6340		6340	6340				532	6.241	6.250
7.000	26.00	0.362	6.276	J55	4320	4600	4980	4980	4980	4980	334	367	490	415	6.151	
7.000	26.00	0.362	6.276	L80	5410	6600	7240		7240	7240		511	641	604	6.151	
7.000	26.00	0.362	6.276	L80 HC	7800	6600	7240		7240	7240		541	671	604	6.151	
7.000	26.00	0.362	6.276	N80	5410	6600	7240		7240	7240		519	667	604	6.151	
7.000	26.00	0.362	6.276	N80 HC	7800	6600	7240		7240	7240		570	696	604	6.151	
7.000	26.00	0.362	6.276	N80Q	5410	6600	7240		7240	7240				604	6.151	
7.000	26.00	0.362	6.276	P110	6230	10000	9950		9950	9950		693	853	830	6.151	
7.000	26.00	0.362	6.276	P110 HC	7800	10000	9950		9950	9950		693	853	830	6.151	
7.000	29.00	0.408	6.184	L80	7020	7500	8160		8160	8160		587	718	676	6.059	6.125
7.000	29.00	0.408	6.184	L80 HC	9200	7500	8160		8160	8160		623	751	676	6.059	6.125
7.000	29.00	0.408	6.184	N80	7020	7500	8160		8160	8160		597	746	676	6.059	6.125
7.000	29.00	0.408	6.184	N80 HC	9200	7500	8160		8160	8160		655	780	676	6.059	6.125
7.000	29.00	0.408	6.184	N80Q	7020	7500	8160		8160	8160				676	6.059	6.125
7.000	29.00	0.408	6.184	P110	8530	10000	11220		11220	11220		797	955	929	6.059	6.125
7.000	29.00	0.408	6.184	P110 HC	9200	10000	11220		11220	11220		797	955	929	6.059	6.125
7.000	29.00	0.408	6.184	Q125	9100	10000	12750		12750	12750		885	1045	1056	6.059	6.125
7.000	29.00	0.408	6.184	Q125 HC	9200	10000	12750		12750	12750		885	1045	1056	6.059	6.125

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							PE	STC	LTC	BTC	STC	LTC	BTC			
7.000	32.00	0.453	6.094	L80	8610	8300	9060		9060	8460		661	791	745	5.969	6.000
7.000	32.00	0.453	6.094	L80 HC	10400	8300	9060		9060	8460		701	828	745	5.969	6.000
7.000	32.00	0.453	6.094	N80	8610	8300	9060		9060	8460		672	823	745	5.969	6.000
7.000	32.00	0.453	6.094	N80 HC	10400	8300	9060		9060	8460		738	860	745	5.969	6.000
7.000	32.00	0.453	6.094	N80Q	8610	8300	9060		9060	8460				745	5.969	6.000
7.000	32.00	0.453	6.094	P110	10780	10000	12460		12460	11640		897	1053	1025	5.969	6.000
7.000	32.00	0.453	6.094	Q125	11720	10000	14160	14160	13220			996	1152	1165	5.969	6.000
7.000	35.00	0.498	6.004	L80	10180	9100	9960		9240	8460		734	833	814	5.879	
7.000	35.00	0.498	6.004	L80 HC	11600	9100	9960		9240	8460		778	833	814	5.879	
7.000	35.00	0.498	6.004	N80	10180	9100	9960		9240	8460		746	876	814	5.879	
7.000	35.00	0.498	6.004	N80 HC	11600	9100	9960		9240	8460		819	876	81	5.879	
7.000	35.00	0.498	6.004	N80Q	10180	9100	9960		9240	8460				814	5.879	
7.000	35.00	0.498	6.004	P110	13020	10000	13700		12700	11640		996	1096	1119	5.879	
7.000	35.00	0.498	6.004	Q125	14310	10000	15560		14430	13220		1106	1183	1272	5.879	
7.000	38.00	0.540	5.920	L80	11390	9900	10800		9240	8460		801	832	877	5.795	
7.000	38.00	0.540	5.920	L80 HC	12700	9900	10800		9240	8460		818	832	877	5.795	
7.000	38.00	0.540	5.920	N80	11390	9900	10800		9240	8460		814	876	877	5.795	
7.000	38.00	0.540	5.920	N80 HC	12700	9900	10800		9240	9460		831	876	877	5.795	
7.000	38.00	0.540	5.920	N80Q	11390	9900	10800		9240	8460				877	5.795	
7.000	38.00	0.540	5.920	P110	15140	10000	14850		12700	11640		1087	1096	1206	5.795	
7.000	38.00	0.540	5.920	Q125	16750	10000	16880		14430	13220		1207	1183	1370	5.795	
7.000	41.00	0.590	5.820	P110	16990	1000	16230		12700	11640		1111	1096	1307	5.695	
7.000	41.00	0.590	5.820	Q125	19300	1000	18440		14430	13220		1244	1183	1485	5.695	
7.625	26.40	0.328	6.969	J55	2890	3800	4140	4140	4140	4140	315	346	483	414	6.844	
7.625	26.40	0.328	6.969	L80	3400	5500	6020		6020	6020		482	635	602	6.844	
7.625	26.40	0.328	6.969	L80 HC	4850	5500	6020		6020	6020		526	667	602	6.844	
7.625	26.40	0.328	6.969	N80	3400	5500	6020		6020	6020		490	659	602	6.844	
7.625	26.40	0.328	6.969	N80 HC	4850	5500	6020		6020	6020		553	691	602	6.844	
7.625	26.40	0.328	6.969	N80Q	3400	5500	6020		6020	6020				602	6.844	
7.625	26.40	0.328	6.969	P110 HC	4850	8600	8280		8280	8280		654	845	827	6.844	
7.625	26.40	0.328	6.969	P110	3920	8600	8280		8280	8280		654	845	827	6.844	
7.625	29.70	0.375	6.875	L80	4790	6300	6890		6890	6890		566	721	683	6.750	
7.625	29.70	0.375	6.875	L80 HC	6890	6300	6890		6890	6890		618	758	683	6.750	
7.625	29.70	0.375	6.875	N80	4790	6300	6890		6890	6890		575	749	683	6.750	
7.625	29.70	0.375	6.875	N80 HC	7150	6300	6890		6890	6890		650	785	683	6.750	
7.625	29.70	0.375	6.875	N80Q	4790	6300	6890		6890	6890				683	6.750	
7.625	29.70	0.375	6.875	P110	5350	9800	9470		9470	9470		769	960	940	6.750	
7.625	29.70	0.375	6.875	P110 HC	7150	9800	9470		9470	9470		769	960	940	6.750	
7.625	33.70	0.430	6.765	L80	6560	7200	7900		7900	7900		664	820	778	6.640	
7.625	33.70	0.430	6.765	L80 HC	8800	7200	7900		7900	7900		725	862	778	6.640	
7.625	33.70	0.430	6.765	N80	6560	7200	7900		7900	7900		674	852	778	6.640	
7.625	33.70	0.430	6.765	N80 HC	8800	7200	7900		7900	7900		762	894	778	6.640	

Size	Threaded Weight	Wall	I.D.	Grade	Collapse Resistance	Hydro pressure (psi)	Minimum Internal Yield Pressure (psi)				Joint Strength 1000 lbs			Body Yield 1000 lbs	Drift OD (inches)	Alt Drift (Oversize) API 5CT Table E.29
							PE	STC	LTC	BTC	STC	LTC	BTC			
7.625	33.70	0.430	6.765	N80Q	6560	7200	7900		7900	7900			778	6.640		
7.625	33.70	0.430	6.765	P110	7870	10000	10860		10860	10860	901	1093	1069	6.640		
7.625	33.70	0.430	6.765	P110 HC	8800	10000	10860		10860	10860	901	1093	1069	6.640		
7.625	33.70	0.430	6.765	Q125	8350	10000	12340		12340	12340	1009	1197	1215	6.640		
7.625	33.70	0.430	6.765	Q125 HC	8800	10000	12340		12340	12340	1009	1197	1215	6.640		
7.625	39.00	0.500	6.625	L80	8820	8400	9180		9180	9180	786	945	895	6.500		
7.625	39.00	0.500	6.625	L80 HC	10600	8400	9180		9180	9180	857	993	895	6.500		
7.625	39.00	0.500	6.625	N80	8820	8400	9180		9180	9180	798	981	895	6.500		
7.625	39.00	0.500	6.625	N80 HC	10600	8400	9180		9180	9180	901	1029	895	6.500		
7.625	39.00	0.500	6.625	N80Q	8820	8400	9180		9180	9180			895	6.500		
7.625	39.00	0.500	6.625	P110	11080	10000	12620		12620	12620	1066	1258	1231	6.500		
7.625	39.00	0.500	6.625	Q125	12060	10000	14340		14340	14340	1194	1379	1399	6.500		
7.625	42.80	0.562	6.501	L80	10810	9400	10320		10320	9790	891	1053	998	6.376		
7.625	42.80	0.562	6.501	N80	10810	9400	10320		10320	9790	905	1093	998	6.376		
7.625	42.80	0.562	6.501	N80Q	10810	9400	10320		10320	9790			998	6.376		
7.625	42.80	0.562	6.501	P110	13920	10000	14190		14190	13460	1210	1402	1372	6.376		
7.625	42.80	0.562	6.501	Q125	15350	10000	16120		16120	15290	1355	1536	1559	6.376		
7.625	45.30	0.595	6.435	L80	11510	10000	10920		10490	9790	947	1109	1051	6.310		
7.625	45.30	0.595	6.435	L80 HC	12900	10000	10920		10490	9790	1033	1166	1051	6.310		
7.625	45.30	0.595	6.435	N80	11510	10000	10920		10490	9790	962	1152	1051	6.310		
7.625	45.30	0.595	6.435	N80 HC	12900	10000	10920		10490	9790	1086	1208	1051	6.310		
7.625	45.30	0.595	6.435	N80Q	11510	10000	10920		10490	9790			1051	6.310		
7.625	45.30	0.595	6.435	P110	15430	10000	15020		14430	13460	1285	1477	1445	6.310		
7.625	45.30	0.595	6.435	Q125	17090	10000	17070		16400	15290	1439	1619	1643	6.310		
7.625	47.10	0.625	6.375	L80	12040	10000	11480		10490	9790	997	1160	1100	6.250		
7.625	47.10	0.625	6.375	N80	12040	10000	11480		10490	9790	1013	1205	1100	6.250		
7.625	47.10	0.625	6.375	N80Q	12040	10000	11480		10490	9790			1100	6.250		
7.625	47.10	0.625	6.375	P110	16550	10000	15780		14430	13460	1353	1545	1512	6.250		
7.625	47.10	0.625	6.375	Q125	18700	10000	17930		16400	15290	1515	1672	1718	6.250		
7.750	46.10	0.595	6.560	L80	11340	9800	10750		10490	9790	841	1001	1070	6.435	6.500	
7.750	46.10	0.595	6.560	L80 HC	13320	9800	10750		10490	9790	918	1053	1070	6.435	6.500	
7.750	46.10	0.595	6.560	N80	11340	9800	10750		10490	9790			1070	6.435	6.500	
7.750	46.10	0.595	6.560	N80Q	11340	9800	10750		10490	9790			1070	6.435	6.500	
7.750	46.10	0.595	6.560	P110	14990	10000	14780		14430	13460	1142	1334	1471	6.435	6.500	
7.750	46.10	0.595	6.560	Q125	16580	10000	16790		16400	15290	1279	1462	1672	6.435	6.500	
8.625	24.00	0.264	8.097	J55	1370	2700	2950	2950			244		381	7.972		
8.625	32.00	0.352	7.921	J55	2530	3600	3930	3930	3930	3930	372	417	579	7.796	7.875	
8.625	36.00	0.400	7.825	J55	3450	4100	4460	4460	4460	4460	434	486	654	568	7.700	
8.625	36.00	0.400	7.825	L80	4100	5900	6490		6490	6490	678	864	827	7.700		
8.625	36.00	0.400	7.825	L80 HC	6060	5900	6490		6490	6490	760	914	827	7.700		

Size	Threaded Weight	Wall	I.D.	Grade	Collapse Resistance	Hydro pressure (psi)	Minimum Internal Yield Pressure (psi)				Joint Strength 1000 lbs			Body Yield 1000 lbs	Drift OD (inches)	Alt Drift (Oversize) API 5CT Table E.29
							PE	STC	LTC	BTC	STC	LTC	BTC			
8.625	36.00	0.400	7.825	N80	4100	5900	6490		6490	6490		688	895	827	7.700	
8.625	36.00	0.400	7.825	N80 HC	6060	5900	6490		6490	6490		779	945	827	7.700	
8.625	36.00	0.400	7.825	N80Q	4100	5900	6490		6490	6490				827	7.700	
8.625	40.00	0.450	7.725	L80	5520	6700	7300		7300	7300		776	966	925	7.600	7.625
8.625	40.00	0.450	7.725	L80 HC	7900	6700	7300		7300	7300		870	1022	925	7.600	7.625
8.625	40.00	0.450	7.725	N80	5520	6700	7300		7300	7300		788	1001	925	7.600	7.625
8.625	40.00	0.450	7.725	N80 HC	7900	6700	7300		7300	7300		892	1057	925	7.600	7.625
8.625	40.00	0.450	7.725	N80Q	5520	6700	7300		7300	7300				925	7.600	7.625
8.625	40.00	0.450	7.725	P110	6390	10000	10040		10040	10040		1055	1228	1271	7.600	7.625
8.625	40.00	0.450	7.725	P110 HC	7900	10000	10040		10040	10040		1055	1228	1271	7.600	7.625
8.625	44.00	0.500	7.625	L80	6950	7400	8120		8120	8120		874	1066	1021	7.500	
8.625	44.00	0.500	7.625	L80 HC	9100	7400	8120		8120	8120		979	1128	1021	7.500	
8.625	44.00	0.500	7.625	N80	6950	7400	8120		8120	8120		887	1105	1021	7.500	
8.625	44.00	0.500	7.625	N80 HC	9100	7400	8120		8120	8120		1004	1167	1021	7.500	
8.625	44.00	0.500	7.625	N80Q	6950	7400	8120		8120	8120				1021	7.500	
8.625	44.00	0.500	7.625	P110	8420	10000	11160		11160	11160		1186	1423	1404	7.500	
8.625	44.00	0.500	7.625	P110 HC	9100	10000	11160		11160	11160		1186	1423	1404	7.500	
8.625	44.00	0.500	7.625	Q125	8980	10000	12680		12680	12680		1330	1562	1595	7.500	
8.625	44.00	0.500	7.625	Q125 HC	9100	10000	12680		12680	12680		1330	1562	1595	7.500	
8.625	49.00	0.557	7.511	L80	8580	8300	9040		9040	9040		983	1180	1129	7.386	
8.625	49.00	0.557	7.511	L80 HC	10400	8300	9040		9040	9040		1101	1248	1129	7.386	
8.625	49.00	0.557	7.511	N80	8580	8300	9040		9040	9040		997	1222	1129	7.386	
8.625	49.00	0.557	7.511	N80 HC	10400	8300	9040		9040	9040		1129	1291	1129	7.386	
8.625	49.00	0.557	7.511	N80Q	8580	8300	9040		9040	9040				1129	7.386	
8.625	49.00	0.557	7.511	P110	10740	10000	12430		12430	12430		1335	1574	1553	7.386	
8.625	49.00	0.557	7.511	Q125	11650	10000	14130		14130	14130		1496	1728	1765	7.386	
9.625	36.00	0.352	8.921	J55	2020	2400	3520	3520	3520	3520	394	453	639	564	8.796	
9.625	40.00	0.395	8.835	J55	2570	3600	3950	3950	3950	3950	452	520	714	630	8.710	8.750
9.625	40.00	0.395	8.835	L80	3090	5300	5750		5750	5750		727	947	916	8.710	8.750
9.625	40.00	0.395	8.835	L80 HC	4230	5300	5750		5750	5750		827	1009	916	8.710	8.750
9.625	40.00	0.395	8.835	N80	3090	5300	5750		5750	5750		737	979	916	8.710	8.750
9.625	40.00	0.395	8.835	N80 HC	4230	5300	5750		5750	5750		837	1042	916	8.710	8.750
9.625	40.00	0.395	8.835	N80Q	3090	5300	5750		5750	5750				916	8.710	8.750
9.625	43.50	0.435	8.755	L80	3810	5800	6330		6330	6330		813	1038	1005	8.630	8.625
9.625	43.50	0.435	7.755	L80 HC	5600	5800	6330		6330	6330		925	1107	2042	8.630	8.625
9.625	43.50	0.435	8.755	N80	3810	5800	6330		6330	6330		825	1074	1005	8.630	8.625
9.625	43.50	0.435	8.755	N80 HC	5600	5800	6330		6330	6330		936	1142	1005	8.630	8.625
9.625	43.50	0.435	8.755	N80Q	3810	5800	6330		6330	6330				1005	8.630	
9.625	43.50	0.435	8.755	P110	4420	9000	8700		8700	8700		1106	1388	1381	8.630	8.625
9.625	43.50	0.435	8.755	P110 HC	5600	9000	8700		8700	8700		1106	1388	1381	8.630	8.625
9.625	43.50	0.435	8.755	Q125	4620	9000	9890		9890	9890		1240	1527	1570	8.630	8.625
9.625	43.50	0.435	8.755	Q125 HC	5600	9000	9890		9890	9890		1240	1527	1570	8.630	8.625

Size	Threaded Weight	Wall	I.D.	Grade	Collapse Resistance	Hydro pressure (psi)	Minimum Internal Yield Pressure (psi)				Joint Strength 1000 lbs			Body Yield 1000 lbs	Drift OD (inches)	Alt Drift (Oversize) API 5CT Table E.29
							PE	STC	LTC	BTC	STC	LTC	BTC			
9.625	47.00	0.472	8.681	L80	4760	6300	6870	6870	6870	893	1122	1086	8.556	8.625		
9.625	47.00	0.472	8.681	L80 HC	7100	6300	6870	6870	6870	1015	1196	1086	8.556	8.625		
9.625	47.00	0.472	8.681	N80	4760	6300	6870	6870	6870	905	1161	1086	8.556	8.625		
9.625	47.00	0.472	8.681	N80 HC	7100	6300	6870	6870	6870	1027	1234	1086	8.556	8.625		
9.625	47.00	0.472	8.681	N80Q	4760	6300	6870	6870	6870			1086	8.556			
9.625	47.00	0.472	8.681	P110	5300	9800	9440	9440	9440	1213	1500	1493	8.556	8.625		
9.625	47.00	0.472	8.681	P110 HC	7100	9800	9440	9440	9440	1213	1500	1493	8.556	8.625		
9.625	47.00	0.472	8.681	Q125	5640	9800	10730	10730	10730	1361	1650	1697	8.556	8.625		
9.625	47.00	0.472	8.681	Q125 HC	7100	9800	10730	10730	10730	1361	1650	1697	8.556	8.625		
9.625	53.50	0.545	8.535	L80	6620	7200	7930	7930	7930	1047	1286	1244	8.410	8.500		
9.625	53.50	0.545	8.535	L80 HC	8850	7200	7930	7930	7930	1190	1370	1244	8.410	8.500		
9.625	53.50	0.545	8.535	N80	6620	7200	7930	7930	7930	1062	1329	1244	8.410	8.500		
9.625	53.50	0.545	8.535	N80 HC	8850	7200	7930	7930	7930	1205	1414	1244	8.410	8.500		
9.625	53.50	0.545	8.535	N80Q	6620	7200	7930	7930	7930			1244	8.410	8.500		
9.625	53.50	0.545	8.535	P110	7950	10000	10900	10900	10900	1422	1718	1710	8.410	8.500		
9.625	53.50	0.545	8.535	P110 HC	8850	10000	10900	10900	10900	1422	1718	1710	8.410	8.500		
9.625	53.50	0.545	8.535	Q125	8440	10000	12390	12390	12390	1595	1890	1943	8.410	8.500		
9.625	53.50	0.545	8.535	Q125 HC	8850	10000	12390	12390	12390	1595	1890	1943	8.410	8.500		
9.625	58.40	0.595	8.435	L80	7890	7900	8650	8650	8650	1151	1396	1350	8.310	8.375		
9.625	58.40	0.595	8.435	N80	7890	7900	8650	8650	8650	1167	1443	1350	8.310	8.375		
9.625	58.40	0.595	8.435	N80Q	7890	7900	8650	8650	8650			1350	8.310	8.375		
9.625	58.40	0.595	8.435	P110	9760	10000	11900	11900	11900	1565	1865	1857	8.310	8.375		
9.625	58.40	0.595	8.435	Q125	10530	10000	13520	13520	13520	1754	2052	2110	8.310	8.375		
10.750	32.75	0.279	10.192	J55	870	1700	2498	2498	2498			505	10.067			
10.750	32.75	0.279	10.192	L80	870	3300	3633	3633	3633			734	10.067			
10.750	32.75	0.279	10.192	N80	870	3300	3633	3633	3633			734	10.067			
10.750	32.75	0.279	10.192	N80Q	870	3300	3633	3633	3633			734	10.067			
10.750	32.75	0.279	10.192	P110	870	4600	4996	4996	4996			1010	10.067			
10.750	32.75	0.279	10.192	Q125	870	5200	5677	5677	5677			1147	10.067			
10.750	40.50	0.350	10.050	J55	1580	2100	3134	3134	3134			629	9.925			
10.750	40.50	0.350	10.050	L80	1730	4200	4558	4558	4558			915	9.925			
10.750	40.50	0.350	10.050	N80	1730	4200	4558	4558	4558			915	9.925			
10.750	40.50	0.350	10.050	N80 HC	1730	4200	4558	4558	4558			915	9.925			
10.750	40.50	0.350	10.050	N80Q	1730	4200	4558	4558	4558			915	9.925			
10.750	40.50	0.350	10.050	P110	1730	5700	6267	6267	6267			1258	9.925			
10.750	40.50	0.350	10.050	Q125	1730	6500	7122	7122	7122			1429	9.925			
10.750	45.50	0.400	9.950	J55	2090	3300	3581	3581	3581			715	9.825	9.875		
10.750	45.50	0.400	9.950	L80	2470	4800	5209	5209	5209			1040	9.825	9.875		
10.750	45.50	0.400	9.950	N80	2610	4800	5209	5209	5209			1040	9.825	9.875		
10.750	45.50	0.400	9.950	N80 HC	2610	4800	5209	5209	5209			1040	9.825	9.875		
10.750	45.50	0.400	9.950	N80Q	2610	4800	5209	5209	5209			1040	9.825	9.875		
10.750	45.50	0.400	9.950	P110	2610	6500	7163	7163	7163			1431	9.825	9.875		

Size	Threaded Weight	Wall	I.D.	Grade	Collapse Resistance	Hydro pressure (psi)	Minimum Internal Yield Pressure (psi)				Joint Strength 1000 lbs			Body Yield 1000 lbs	Drift OD (inches)	Alt Drift (Oversize) API 5CT Table E.29
							PE	STC	LTC	BTC	STC	LTC	BTC			
10.750	45.50	0.400	9.950	Q125	2610	7400	8140	8140	8140				1626	9.825	9.875	
10.750	51.00	0.450	9.850	J55	2710	2800	4029	4029	4029				801	9.725		
10.750	51.00	0.450	9.850	L80	3220	5400	5860	5860	5860				1165	9.725		
10.750	51.00	0.450	9.850	L80 HC	3220	5400	5860	5860	5860				1165	9.725		
10.750	51.00	0.450	9.850	N80	3220	5400	5860	5860	5860				1165	9.725		
10.750	51.00	0.450	9.850	N80 HC	3220	5400	5860	5860	5860				1165	9.725		
10.750	51.00	0.450	9.850	N80Q	3220	5400	5860	5860	5860				1165	9.725		
10.750	51.00	0.450	9.850	P110	3660	7400	8058	8058	8058				1602	9.725		
10.750	51.00	0.450	9.850	P110 HC	3660	7400	8058	8058	8058				1602	9.725		
10.750	51.00	0.450	9.850	Q125	3750	8400	9157	9157	9157				1820	9.725		
10.750	55.50	0.495	9.760	J55	3390	4100	4432	4432	4432				877	9.635	9.625	
10.750	55.50	0.495	9.760	L80	4020	5900	6447	6447	6447				1276	9.635	9.625	
10.750	55.50	0.495	9.760	L80 HC	4020	5900	6447	6447	6447				1276	9.635	9.625	
10.750	55.50	0.495	9.760	N80	4020	5900	6447	6447	6447				1276	9.635	9.625	
10.750	55.50	0.495	9.760	N80 HC	4020	5900	6447	6447	6447				1276	9.635	9.625	
10.750	55.50	0.495	9.760	N80Q	4020	5900	6447	6447	6447				1276	9.635	9.625	
10.750	55.50	0.495	9.760	P110	4610	8100	8864	8864	8864				1754	9.635	9.625	
10.750	55.50	0.495	9.760	P110 HC	4610	8100	8864	8864	8864				1754	9.635	9.625	
10.750	55.50	0.495	9.760	Q125	4850	9200	10073	10073	10073				1993	9.635	9.625	
10.750	60.70	0.545	9.660	J55	4160	3300	4880	4880	4880				961	9.535		
10.750	60.70	0.545	9.660	L80	5160	6500	7098	7098	7098				1398	9.535		
10.750	60.70	0.545	9.660	L80 HC	5160	6500	7098	7098	7098				1398	9.535		
10.750	60.70	0.545	9.660	N80	5160	6500	7098	7098	7098				1398	9.535		
10.750	60.70	0.545	9.660	N80 HC	5160	6500	7098	7098	7098				1398	9.535		
10.750	60.70	0.545	9.660	N80Q	5160	6500	7098	7098	7098				1398	9.535		
10.750	60.70	0.545	9.660	P110	5880	8900	9759	9759	9759	1338		1912	1922	9.535		
10.750	60.70	0.545	9.660	P110 HC	5880	8900	9759	9759	9759	1338		1912	1922	9.535		
10.750	60.70	0.545	9.660	Q125	5880	10000	11090	11090	11090	1503		2109	2184	9.535		
10.750	65.70	0.595	9.560	J55	4920	3700	5327	5327	5327				1044	9.435		
10.750	65.70	0.595	9.560	L80	6300	7100	7749	7749	7749				1519	9.435	9.504	
10.750	65.70	0.595	9.560	L80 HC	6300	7100	7749	7749	7749				1519	9.435	9.504	
10.750	65.70	0.595	9.560	N80	6300	7100	7749	7749	7749				1519	9.435	9.504	
10.750	65.70	0.595	9.560	N80 HC	6300	7100	7749	7749	7749				1519	9.435	9.504	
10.750	65.70	0.595	9.560	N80Q	6300	7100	7749	7749	7749				1519	9.435		
10.750	65.70	0.595	9.560	P110	7500	9700	10655	10655	10655	1472		2077	2088	9.435	9.504	
10.750	65.70	0.595	9.560	P110 HC	7500	9700	10655	10655	10655	1472		2077	2088	9.435	9.504	
10.750	65.70	0.595	9.560	Q125	7920	10000	12108	12108	12108	1653		2291	2373	9.435	9.504	
10.750	73.20	0.672	9.406	J55	6100	4100	6017						1170	9.281		
10.750	73.20	0.672	9.406	L80	8060	8000	8752						1702	9.281		
10.750	73.20	0.672	9.406	N80	8060	8000	8752						1702	9.281		
10.750	73.20	0.672	9.406	N80Q	8060	8000	8752						1702	9.281		
10.750	73.20	0.672	9.406	P110	10010	10000	12033						2340	9.281		
10.750	73.20	0.672	9.406	Q125	10820	10000	13674						2660	9.281		

Size	Threaded Weight	Wall	I.D.	Grade	Collapse Resistance	Hydro pressure (psi)	Minimum Internal Yield Pressure (psi)				Joint Strength 1000 lbs			Body Yield 1000 lbs	Drift OD (inches)	Alt Drift (Oversize) API 5CT Table E.29
							PE	STC	LTC	BTC	STC	LTC	BTC			
10.750	79.20	0.734	9.282	J55	7000	4500	6572						1270	9.157		
10.750	79.20	0.734	9.282	L80	9480	8700	9559						1848	9.157		
10.750	79.20	0.734	9.282	N80	9480	8700	9559						1848	9.157		
10.750	79.20	0.734	9.282	N80Q	9480	8700	9559						1848	9.157		
10.750	79.20	0.734	9.282	P110	12030	10000	13144						2541	9.157		
10.750	79.20	0.734	9.282	Q125	13150	10000	14936						2887	9.157		
10.750	85.30	0.797	9.156	J55	7550	4900	7136						1371	9.031		
10.750	85.30	0.797	9.156	L80	10920	9500	10380						1994	9.031		
10.750	85.30	0.797	9.156	N80	10920	9500	10380						1994	9.031		
10.750	85.30	0.797	9.156	N80Q	10920	9500	10380						1994	9.031		
10.750	85.30	0.797	9.156	P110	14080	10000	14272						2741	9.031		
10.750	85.30	0.797	9.156	Q125	15530	10000	16218						3115	9.031		
11.750	42.00	0.333	11.084	J55	1120	2500	2728	2728	2728				657	10.959	11.000	
11.750	42.00	0.333	11.084	L80	1130	3600	3968	3968	3968				956	10.959	11.000	
11.750	42.00	0.333	11.084	N80	1130	3600	3968	3968	3968				956	10.959	11.000	
11.750	42.00	0.333	11.084	N80Q	1130	3600	3968	3968	3968				956	10.959	11.000	
11.750	42.00	0.333	11.084	P110	1130	5000	5456	5456	5456				1314	10.959	11.000	
11.750	42.00	0.333	11.084	Q125	1130	5700	6199	6199	6199				1493	10.959	11.000	
11.750	47.00	0.375	11.000	J55	1510	2100	3072	3072	3072				737	10.875		
11.750	47.00	0.375	11.000	L80	1630	4100	4468	4468	4468				1072	10.875		
11.750	47.00	0.375	11.000	N80	1630	4100	4468	4468	4468				1072	10.875		
11.750	47.00	0.375	11.000	N80Q	1630	4100	4468	4468	4468				1072	10.875		
11.750	47.00	0.375	11.000	P110	1630	5600	6144	6144	6144				1474	10.875		
11.750	47.00	0.375	11.000	Q125	1630	6400	6981	6981	6981				1675	10.875		
11.750	54.00	0.435	10.880	J55	2070	2400	3563	3563	3563				850	10.755		
11.750	54.00	0.435	10.880	L80	2440	4700	5183	5183	5183				1237	10.755		
11.750	54.00	0.435	10.880	N80	2440	4700	5183	5183	5183				1237	10.755		
11.750	54.00	0.435	10.880	N80Q	2440	4700	5183	5183	5183				1237	10.755		
11.750	54.00	0.435	10.880	P110	2570	6500	7127	7127	7127				1701	10.755		
11.750	54.00	0.435	10.880	Q125	2570	7400	8098	8098	8098				1933	10.755		
11.750	60.00	0.489	10.772	J55	2670	3700	4006	4006	4006				951	10.647	10.625	
11.750	60.00	0.489	10.772	L80	3180	5300	5826	5826	5826				1384	10.647	10.625	
11.750	60.00	0.489	10.772	L80 HC	3180	5300	5826	5826	5826				1384	10.647	10.625	
11.750	60.00	0.489	10.772	N80	3180	5300	5826	5826	5826				1384	10.647	10.625	
11.750	60.00	0.489	10.772	N80 HC	3180	5300	5826	5826	5826				1384	10.647	10.625	
11.750	60.00	0.489	10.772	N80Q	3180	5300	5826	5826	5826				1384	10.647	10.625	
11.750	60.00	0.489	10.772	P110	3610	7300	8011	8011	8011				1903	10.647	10.625	
11.750	60.00	0.489	10.772	P110 HC	3610	7300	8011	8011	8011				1903	10.647	10.625	
11.750	60.00	0.489	10.772	Q125	3680	8300	9104	9104	9104				2162	10.647	10.625	
11.750	65.00	0.534	10.682	J55	3300	4000	4374						1035	10.557	10.625	
11.750	65.00	0.534	10.682	L80	3870	5800	6363						1505	10.557	10.625	

Size	Threaded Weight	Wall	I.D.	Grade	Collapse Resistance	Hydro pressure (psi)	Minimum Internal Yield Pressure (psi)				Joint Strength 1000 lbs			Body Yield 1000 lbs	Drift OD (inches)	Alt Drift (Oversize) API 5CT Table E.29
							PE	STC	LTC	BTC	STC	LTC	BTC			
11.750	65.00	0.534	10.682	L80 HC	3870	5800	6363						1505	10.557	10.625	
11.750	65.00	0.534	10.682	N80	3870	5800	6363						1505	10.557	10.625	
11.750	65.00	0.534	10.682	N80 HC	3870	5800	6363						1505	10.557	10.625	
11.750	65.00	0.534	10.682	N80Q	3870	5800	6363						1505	10.557	10.625	
11.750	65.00	0.534	10.682	P110	4480	8000	8749						2070	10.557	10.625	
11.750	65.00	0.532	10.686	P110 HC	4480	8000	8716						2062	10.561	10.625	
11.750	65.00	0.534	10.682	Q125	4690	9100	9941						2352	10.557	10.625	
11.750	71.00	0.582	10.586	J55	3970	3300	4767						1123	10.461		
11.750	71.00	0.582	10.586	L80	4880	6300	6934						1634	10.461		
11.750	71.00	0.582	10.586	N80	4880	6300	6934						1634	10.461		
11.750	71.00	0.582	10.586	N80Q	4880	6300	6934						1634	10.461		
11.750	71.00	0.582	10.586	P110	5470	8700	9535						2246	10.461		
11.750	71.00	0.582	10.586	P110 HC	5470	8700	9535						2246	10.461		
11.750	71.00	0.582	10.586	Q125	5770	9900	10835						2552	10.461		
13.375	48.00	0.330	12.715	J55	740	1600	2375	2375	2375				744	12.590		
13.375	48.00	0.330	12.715	L80	740	3200	3454	3454	3454				1082	12.590		
13.375	48.00	0.330	12.715	N80	740	3200	3454	3454	3454				1082	12.590		
13.375	48.00	0.330	12.715	N80Q	740	3200	3454	3454	3454				1082	12.590		
13.375	48.00	0.330	12.715	P110	740	4300	4750	4750	4750				1488	12.590		
13.375	48.00	0.330	12.715	Q125	740	4900	5397	5397	5397				1691	12.590		
13.375	54.50	0.380	12.615	J55	1130	1900	2735	2735	2735	514	909		853	12.490		
13.375	54.50	0.380	12.615	L80	1140	3600	3978	3978	3978				1241	12.490		
13.375	54.50	0.380	12.615	N80	1140	3600	3978	3978	3978				1241	12.490		
13.375	54.50	0.380	12.615	N80Q	1140	3600	3978	3978	3978				1241	12.490		
13.375	54.50	0.380	12.615	P110	1140	5000	5469	5469	5469				1706	12.490		
13.375	54.50	0.380	12.615	Q125	1140	5700	6215	6215	6215				1939	12.490		
13.375	61.00	0.430	12.515	J55	1540	2100	3094	3094	3094				962	12.390		
13.375	61.00	0.430	12.515	L80	1670	4100	4501	4501	4501				1399	12.390		
13.375	61.00	0.430	12.515	N80	1670	4100	4501	4501	4501				1399	12.390		
13.375	61.00	0.430	12.515	N80Q	1670	4100	4501	4501	4501				1399	12.390		
13.375	61.00	0.430	12.515	P110	1670	5700	6189	6189	6189				1924	12.390		
13.375	61.00	0.430	12.515	Q125	1670	6400	7033	7033	7033				2186	12.390		
13.375	68.00	0.480	12.415	J55	1950	2400	3454	3454	3454				1069	12.290		
13.375	68.00	0.480	12.415	L80	2260	4600	5024	5024	5024				1556	12.290		
13.375	68.00	0.480	12.415	L80 HC	2260	4600	5024	5024	5024				1556	12.290		
13.375	68.00	0.480	12.415	N80	2260	4600	5024	5024	5024				1556	12.290		
13.375	68.00	0.480	12.415	N80 HC	2260	4600	5024	5024	5024				1556	12.290		
13.375	68.00	0.480	12.415	N80Q	2260	4600	5024	5024	5024				1556	12.290		
13.375	68.00	0.480	12.415	P110	2340	6300	6908	6908	6908				2139	12.290		
13.375	68.00	0.480	12.415	P110 HC	2340	6300	6908	6908	6908				2139	12.290		
13.375	68.00	0.480	12.415	Q125	2340	7200	7850	7850	7850				2431	12.290		
13.375	72.00	0.514	12.347	J55	2230	3400	3699	3699	3699				1142	12.222	12.250	

Size	Threaded Weight	Wall	I.D.	Grade	Collapse Resistance	Hydro pressure (psi)	Minimum Internal Yield Pressure (psi)				Joint Strength 1000 lbs			Body Yield 1000 lbs	Drift OD (inches)	Alt Drift (Oversize) API 5CT Table E.29
							PE	STC	LTC	BTC	STC	LTC	BTC			
13.375	72.00	0.514	12.347	L80	2670	4900	5380	5380	5380	1029	1650	1661	12.222	12.250		
13.375	72.00	0.514	12.347	L80 HC	2670	4900	5380	5380	5380	1029	1650	1661	12.222	12.250		
13.375	72.00	0.514	12.347	N80	2670	4900	5380	5380	5380	1029	1650	1661	12.222	12.250		
13.375	72.00	0.514	12.347	N80 HC	2670	4900	5380	5380	5380	1029	1650	1661	12.222	12.250		
13.375	72.00	0.514	12.347	N80Q	2670	4900	5380	5380	5380	1029	1650	1661	12.222	12.250		
13.375	72.00	0.514	12.347	P110	2880	6800	7398	7398	7398	1402	2221	2284	12.222	12.250		
13.375	72.00	0.514	12.347	P110 HC	2880	6800	7398	7398	7398	1402	2221	2284	12.222	12.250		
13.375	72.00	0.514	12.347	Q125	2880	7700	8407	8407	8407	1576	2463	2596	12.222	12.250		
13.375	80.70	0.580	12.215	P110	4000	7600	8348	8348	8348			2565	12.090			
13.375	80.70	0.580	12.215	P110 HC	4000	7600	8348	8348	8348			2565	12.090			
13.375	80.70	0.580	12.215	Q125	4140	8700	9486	9486	9486			2914	12.090			
13.375	86.00	0.625	12.125	P110	4770	8200	8995	8995	8995			2754	12.000			
13.375	86.00	0.625	12.125	P110 HC	4770	8200	8995	8995	8995			2754	12.000			
13.375	86.00	0.625	12.125	Q125	5030	9300	10222	10222	10222			3129	12.000			



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