

TUBING DATA						
Size (O.D)	Weight Per Ft.	Wall Thickness	Drift Diameter	5% Nom. Wall	12.5% Nom. Wall	87.5% Rem. Wall
3/4" (1.050)	1.200	.113	0.730	.006	.014	.099
	1.500	.154	0.648	.008	.019	.135
1" (1.315)	1.800	.133	0.955	.007	.017	.116
	2.250	.179	0.848	.009	.022	.157
1.25" (1.660)	2.400	.140	1.286	.007	.018	.122
	3.020	.191	1.184	.010	.024	.167
	3.240	.198	1.170	.010	.025	.173
1.5" (1.900)	2.900	.145	1.516	.007	.018	.127
	3.640	.200	1.406	.010	.025	.175
	4.190	.219	1.368	.011	.027	.192
2"	3.400	.165	1.576	.008	.021	.144
	3.250	.156	1.647	.008	.020	.136
2.063"	4.500	.255	1.519	.011	.028	.197
	4.6 & 4.7	.190	1.901	.010	.024	.166
2.375"	5.300	.218	1.845	.011	.024	.191
	5.950	.254	1.773	.013	.032	.222
	6.200	.261	1.759	.013	.033	.228
	7.700	.336	1.609	.017	.042	.294
2.875"	6.4 & 6.5	.217	2.347	.011	.027	.190
	7.7 & 7.9	.276	2.229	.014	.035	.241
	8.6 & 8.7	.308	2.165	.015	.039	.269
	8.900	.316	2.149	.016	.040	.276
	9.500	.340	2.101	.017	.043	.297
	10.400	.362	2.057	.018	.045	.317
3.5"	10.700	.392	1.997	.020	.049	.343
	11.000	.405	1.971	.020	.051	.354
	11.650	.440	1.901	.022	.055	.385
	7.700	.216	2.943	.011	.027	.189
	9.2 & 9.3	.254	2.867	.013	.032	.222
	10.2 & 10.3	.289	2.797	.014	.036	.253
4"	12.800	.368	2.639	.018	.046	.322
	12.950	.375	2.625	.019	.047	.328
	15.500	.449	2.477	.022	.056	.328
	16.700	.510	2.355	.026	.064	.446
	17.050	.530	2.315	.027	.066	.464
	9.500	.226	3.432	.011	.028	.198
	10.8 & 11.0	.262	3.351	.013	.033	.229
4.5"	11.600	.286	3.303	.014	.036	.250
	13.400	.330	3.215	.017	.041	.289
	14.800	.380	3.115	.019	.048	.332
	16.500	.430	3.015	.022	.054	.376
	19.000	.500	2.875	.025	.063	.437
	22.500	.610	2.655	.031	.076	.534
4.5"	10.500	.224	3.927	.011	.028	.196
	12.600	.271	3.833	.014	.034	.237
	12.750	.271	3.833	.014	.034	.237
	13.500	.290	3.795	.015	.036	.254
	15.500	.337	3.701	.017	.042	.295
	16.900	.373	3.629	.019	.047	.326
	17.700	.102	3.572	.020	.050	.352
	19.200	.340	3.515	.022	.054	.376
	21.600	.500	3.375	.025	.063	.437
	24.600	.560	3.255	.028	.070	.490
26.500	.630	3.115	.032	.079	.551	

CASING DATA						
Size (O.D)	Weight Per Ft.	Wall Thickness	Drift Diameter	5% Nom. Wall	12.5% Nom. Wall	87.5% Rem. Wall
4.5"	9.500	.205	3.965	.010	.026	.179
	10.500	.224	3.927	.011	.028	.196
	11.000	.237	3.901	.012	.030	.207
	11.600	.250	3.875	.013	.031	.219
	12.600	.271	3.833	.014	.034	.237
	13.500	.290	3.795	.015	.036	.254
	15.100	.337	3.701	.017	.042	.295
	16.600	.373	3.629	.019	.047	.326
	18.800	.430	3.515	.022	.054	.376
	11.500	.220	4.435	.011	.028	.192
5"	13.000	.253	4.369	.013	.032	.221
	15.000	.296	4.283	.015	.037	.259
	18.000	.362	4.151	.018	.045	.317
	20.300	.408	4.059	.020	.051	.357
	20.800	.422	4.031	.021	.053	.369
	23.200	.478	3.919	.024	.060	.418
	23.600	.478	3.919	.024	.060	.418
	24.200	.500	3.875	.025	.063	.437
	14.000	.244	4.887	.012	.031	.213
	15.500	.275	4.825	.014	.034	.241
5.5"	17.000	.304	4.767	.015	.038	.266
	20.000	.361	4.653	.018	.045	.316
	23.000	.415	4.545	.021	.052	.363
	26.000	.476	4.423	.024	.060	.416
	28.400	.530	4.315	.027	.066	.464
	32.300	.612	4.151	.031	.077	.535
	36.400	.705	3.965	.035	.088	.617
	20.000	.288	5.924	.014	.036	.252
	23.200	.330	5.845	.017	.041	.289
	24.000	.352	5.796	.018	.044	.308
6.625"	28.000	.417	5.666	.021	.052	.365
	32.000	.475	5.550	.024	.059	.416
	17.000	.231	6.413	.012	.029	.202
	20.000	.272	6.331	.014	.034	.238
	23.000	.317	6.241	.016	.040	.277
	26.000	.362	6.151	.018	.045	.317
	29.000	.408	6.059	.020	.051	.357
	32.000	.453	5.969	.023	.057	.396
	35.000	.498	5.879	.025	.062	.436
	38.000	.540	5.795	.027	.068	.472
7"	41.000	.590	5.695	.030	.074	.516
	44.000	.640	5.959	.032	.080	.560
	49.500	.730	5.415	.037	.091	.639
	26.400	.328	6.844	.016	.041	.287
	29.700	.375	6.750	.019	.047	.328
	33.700	.430	6.640	.022	.054	.376
	39.000	.500	6.500	.025	.063	.437
	45.300	.730	5.415	.037	.091	.639
	46.100	.595	6.500	.030	.074	.521
	24.000	.264	7.972	.013	.033	.231
7.625"	28.000	.304	7.892	.015	.038	.266
	29.350	.322	7.856	.016	.040	.282
	32.000	.352	7.796	.018	.044	.308
	36.000	.400	7.700	.020	.050	.350
	40.000	.450	7.600	.023	.056	.394
	44.000	.500	7.500	.025	.063	.437
	49.000	.557	7.386	.028	.070	.487
	52.000	.595	7.310	.030	.074	.521

CASING DATA							
Size (O.D)	Weight Per Ft.	Wall Thickness	Drift Diameter	5% Nom. Wall	12.5% Nom. Wall	87.5% Rem. Wall	
8.75"	49.700	.557	7.500	.028	.070	.487	
	32.300	.312	8.845	.016	.039	.273	
9.625"	36.000	.352	8.765	.018	.044	.308	
	40.000	.395	8.679	.020	.049	.346	
	43.500	.435	8.599	.022	.054	.381	
	47.000	.472	8.525	.024	.059	.413	
	53.500	.545	8.379	.027	.067	.477	
	58.400	.595	8.279	.030	.074	.521	
	61.100	.625	8.219	.031	.078	.547	
	59.200	.595	8.560	.030	.074	.521	
9.75"	62.800	.325	8.625	.031	.078	.547	
	32.750	.279	10.036	.014	.035	.244	
10.75"	40.500	.350	9.894	.018	.044	.306	
	45.500	.400	9.794	.020	.050	.350	
	51.000	.450	9.694	.023	.056	.394	
	55.500	.495	9.604	.025	.062	.433	
	60.700	.545	9.504	.027	.068	.477	
	65.700	.595	9.404	.030	.074	.521	
	71.100	.650	9.294	.033	.081	.569	
	42.000	.333	10.928	.017	.042	.291	
11.75"	47.000	.375	10.844	.019	.047	.328	
	54.000	.435	10.724	.022	.054	.381	
	60.000	.489	10.616	.024	.061	.428	
	65.000	.534	10.526	.027	.067	.467	
	71.000	.582	10.430	.029	.073	.509	
	71.800	.582	10.555	.029	.073	.509	
11.875"	48.000	.330	12.559	.017	.041	.289	
	54.500	.380	12.459	.019	.048	.332	
	61.000	.430	12.359	.022	.054	.376	
	68.000	.480	12.259	.024	.060	.420	
	72.000	.514	12.191	.026	.064	.450	
	77.000	.550	12.119	.028	.069	.481	
	80.700	.580	12.059	.029	.073	.507	
	85.000	.608	12.003	.030	.076	.532	
	86.000	.625	11.969	.031	.078	.547	
	92.000	.672	11.875	.034	.084	.588	
13.375"	98.000	.719	11.871	.036	.090	.629	
	81.400	.580	12.184	.029	.073	.507	
	13.625"	88.200	.625	12.219	.031	.078	.547
		92.680	.650	12.544	.033	.081	.569
	14"	99.430	.700	12.444	.035	.088	.612
		106.130	.750	12.344	.038	.094	.656
		112.780	.800	12.244	.040	.100	.700
		119.380	.850	12.144	.043	.106	.744
	16"	65.000	.375	15.062	.019	.047	.328
		75.000	.438	14.938	.022	.055	.383
84.000		.495	14.822	.025	.062	.433	
109.000		.656	14.500	.033	.082	.574	
18.625"	87.500	.435	17.567	.022	.054	.381	
	94.000	.438	18.936	.022	.054	.381	
20"	106.500	.500	18.812	.025	.063	.437	
	133.000	.635	18.542	.032	.079	.556	

BUTTRESS THREAD CASING							
EXTERNAL THREADS (PIN)							
OD	L ₄	g	L ₇	L _C	E ₇	A ₁	Lead Cum.
4.5	3.638	1.984	1.654	1.254	4.454	3.938	1.000
5	3.763	1.984	1.779	1.379	4.954	4.063	1.000
5.5	3.825	1.984	1.841	1.441	5.454	4.125	1.000
6.625	4.013	1.984	2.029	1.629	6.579	4.313	1.000
7	4.200	1.984	2.216	1.816	6.954	4.500	1.000
7.625	4.388	1.984	2.404	2.004	7.579	4.688	2.000
8.625	4.513	1.984	2.529	2.129	8.579	4.813	2.000
9.625	4.513	1.984	2.529	2.129	9.579	4.813	2.000
10.75	4.513	1.984	2.529	2.129	10.704	4.813	2.000
11.75	4.513	1.984	2.529	2.129	11.704	4.813	2.000
13.375	4.513	1.984	2.529	2.129	13.329	4.813	2.000
16	4.613	1.488	3.125	2.725	15.938	4.813	2.000
18.625	4.613	1.488	3.125	2.725	18.563	4.813	2.000
20	4.613	1.488	3.125	2.725	19.938	4.813	2.000

TAPER: Tol. PTL + 0.0035 (external) - 0.0015 IPTL + 0.0045 - 0.0015	PTL 13 3/8 > 0.0625 Min. 0.061 Max. 0.066 PTL 16 < 0.0833 Min. 0.082 Max. 0.087	TAPER: Tol. + 0.0045 (internal) - 0.0025 13 3/8 > 0.0625 Min. 0.060 Max. 0.066 16 < 0.0833 Min. 0.081 Max. 0.088
IPTL 13 3/8 > 0.0625 Min. 0.061 Max. 0.067	Min. 0.082 Max. 0.087	Min. 0.060 Max. 0.066 16 < 0.0833 Min. 0.081 Max. 0.088
IPTL 16 < 0.0833 Min. 0.082 Max. 0.088		

INTERNAL THREAD (COUPLING)							
OD	NL	J	NL/2-J-1p	NL/2+J	Lead Cum.		
LEAD:	4.500	8.875	.500	3.738	4.937	3.000	
Contact Points	.062	5.000	9.125	.500	3.863	5.062	3.000
Tol. 13.375 > ±	.002	5.500	9.250	.500	3.925	5.125	3.000
16 < ±	.003	6.625	9.625	.500	4.113	5.312	3.000
Cum. ±	.004	7.000	10.000	.500	4.300	5.500	3.000
HEIGHT:	.062	7.625	10.375	.500	4.488	5.687	4.000
Contact Points	.006	8.625	10.625	.500	4.613	5.812	4.000
Tol. ±	.001	9.625	10.625	.500	4.613	5.812	4.000
Minimum	.061	10.750	10.625	.500	4.613	5.812	4.000
Maximum	.063	11.750	10.625	.500	4.613	5.812	4.000
TAPER:	13.375	10.625	.500	4.613	5.812	4.000	
Contact Points	.090	16.000	10.625	.500	4.613	5.812	4.000
		18.675	10.625	.500	4.613	5.812	4.000
		20.000	10.625	.500	4.613	5.812	4.000

THREAD INSPECTION, MAINTENANCE & REPAIR
PE & T&C HYDROSTATIC TESTING • FULL LENGTH DRIFT
SAW CUTTING • STRAIGHTENING • ID GRINDING & RATTLING
CEMENT REMOVAL • OD/ID WATERBAST
DIRECT DISCHARGE • STORAGE
PORTABLE BRUSH MACHINE
RIGSITE INSPECTIONS

LONG ROUND THREAD CASING									
EXTERNAL THREADS (PIN)									
OD	L ₄	L ₂	g	L _{4-g}	L _C	L ₁	E ₁	Lead Cum.	
4.5	3.000	2.715	.625	2.375	1.875	1.921	4.403	2.000	
5	3.375	3.090	.625	2.750	2.250	2.296	4.903	2.000	
5.5	3.500	3.215	.625	2.875	2.375	2.421	5.403	2.000	
6.625	3.875	3.590	.625	3.250	2.750	2.796	6.528	2.500	
7	4.000	3.715	.625	3.375	2.875	2.921	6.903	2.500	
7.625	4.125	3.840	.625	3.500	3.000	2.979	7.524	3.000	
8.625	4.500	4.215	.625	3.875	3.375	3.354	8.524	3.000	
9.625	4.750	4.465	.625	4.125	3.625	3.604	9.524	3.500	
20	5.250	4.965	.625	4.625	4.125	4.104	19.899	4.000	

INTERNAL THREADS (COUPLING)					
OD	NL	NL/2-J-1P	J	NL/2+J	Lead Cum.
4.5	7.000	2.875	.500	4.000	2.000
5	7.750	3.250	.500	4.375	2.000
5.5	8.000	3.375	.500	4.500	2.500
6.625	8.750	3.750	.500	4.875	2.500
7	9.000	3.875	.500	5.000	2.500
7.625	9.250	4.000	.500	5.125	3.000
8.625	10.000	4.375	.500	5.500	3.000
9.625	10.500	4.625	.500	5.750	3.500
20	11.500	5.125	.500	6.250	4.000

EXTERNAL - UPSET 8 ROUND TUBING									
EXTERNAL THREADS (PIN)									
OD	L ₄	L ₂	g	L _{4-g}	L _C	L ₁	E ₁	Lead Cum.	
2.375	1.938	1.703	.500	1.438	0.938	1.154	2.508	1.000	
2.875	2.125	1.890	.500	1.625	1.125	1.341	3.008	1.000	
3.5	2.375	2.140	.500	1.875	1.375	1.591	3.664	1.500	

INTERNAL THREADS (COUPLING)					
OD	NL	NL/2-J-1P	J	NL/2+J	Lead Cum.
2.375	4.875	1.813	.500	2.938	1.000
2.875	5.250	2.000	.500	3.125	1.000
3.5	5.750	2.250	.500	3.375	1.000
4	6.000	2.375	.500	3.500	1.000
4.5	6.250	2.500	.500	3.625	1.000

SHORT ROUND - THREAD CASING									
EXTERNAL THREADS (PIN)									
OD	NOM Wt.	L ₄	L ₂	g	L _{4-g}	L _C	L ₁	E ₁	Lead Cum.
4.5	9.500	2.000	1.715	.625	1.375	0.875	0.921	4.403	1.000
4.5	others	2.625	2.340	.625	2.000	1.500	1.546	4.403	1.500
5	11.500	2.500	2.215	.625	1.875	1.375	1.421	4.903	1.500
5	others	2.750	2.465	.625	2.125	1.625	1.671	4.903	1.500
5.5	all	2.875	2.590	.625	2.250	1.750	1.796	5.403	1.500
6.625	all	3.125	2.840	.625	2.500	2.000	2.046	6.903	2.000
7	17.000	2.375	2.090	.625	1.750	1.250	1.296	6.903	1.000
7	others	3.125	2.840	.625	2.500	2.000	2.046	6.903	2.000
7.625	all	3.250	2.965	.625	2.625	2.125	2.104	7.524	2.000
8.625	24.000	3.000	2.715	.625	2.375	1.875	1.854	8.524	1.500
8.625	others	3.375	3.090	.625	2.750	2.250	2.229	8.524	2.000
9.625	all	3.375	3.090	.625	2.750	2.250	2.229	9.524	2.000
10.75	32.750	2.750	2.465	.625	2.125	1.625	1.604	10.649	1.500
10.75	others	3.500	3.215	.625	2.875	2.375	2.354	10.649	2.000
11.75	all	3.500	3.215	.625	2.875	2.375	2.354	11.649	2.000
13.375	all	3.500	3.215	.625	2.875	2.375	2.354	13.274	2.000
16	all	4.000	3.215	.625	3.375	2.875	2.854	15.899	2.500
18.625	87.500	4.000	3.715	.625	3.375	2.875	2.854	18.524	2.500
20	all	4.000	3.715	.625	3.375	2.875	2.854	19.899	2.500

INTERNAL THREADS (COUPLING)						
OD	NOM. Wt.	NL	NL/2-J-1p	J	NL/2+J	Lead Cum.
4.5	9.500	6.250	1.875	1.125	3.125	1.000
4.5	others	6.250	2.500	0.500	3.625	1.500
5	11.500	6.500	2.250	0.750	4.000	1.500
5	others	6.500	2.625	0.500	3.750	1.500
5.5	all	6.750	2.750	0.500	3.875	1.500
6.625	all	7.250	3.000	0.500	4.125	2.000
7	17.000	7.250	2.250	1.250	4.875	1.000
7	others	7.250	3.000	0.500	4.125	2.000
7.625	all	7.500	3.125	0.500	4.250	2.000
8.625	24.000	7.750	2.875	0.875	3.875	1.500
8.625	others	7.750	3.250	0.500	4.375	2.000
9.625	all	7.750	3.250	0.500	4.375	2.000
10.75	32.750	8.000	2.625	1.125	5.125	1.500
10.75	others	8.000	3.375	0.500	4.500	2.000
11.75	all	8.000	3.375	0.500	4.500	2.000
13.375	all	8.000	3.375	0.500	4.500	2.000
16	all	9.000	3.875	0.500	5.000	2.500
18.625	87.500	9.000	3.875	0.500	5.000	2.500
20	all	9.000	3.875	0.500	5.000	2.500



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