

<b>S = 8000</b>		<b>Pipe</b>										© 2003 Pressure Vessel Engineering Ltd. <a href="http://www.pveng.com">www.pveng.com</a>												
12.5% undertolerance removed, no corrosion allowance, ASME VIII-1 UG-27(c)												Phone: (519)-880-9808 Fax: (519) 880-9810												
<b>Schedule</b>												<b>20</b>	<b>30</b>	<b>40</b>	<b>STD</b>	<b>60</b>	<b>80</b>	<b>XS</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>XXS</b>	
<b>0.405 OD</b>	<b>wall</b>	<b>0.035</b>	<b>0.049</b>									<b>0.057</b>	<b>0.068</b>	<b>0.068</b>		<b>0.095</b>	<b>0.095</b>							<b>Inch</b>
<b>Max PSI at E=1.00</b>		1288	1851									2186	2664	2664		3929	3929							PSI
<b>Max PSI at E=0.85</b>		1095	1573									1858	2264	2264		3340	3340							PSI
<b>1/8"</b>	<b>Volume</b>	0.001	0.001									0.000	0.000	0.000		0.000	0.000							ft^3/ft
	<b>Weight</b>	0.138	0.187									0.212	0.245	0.245		0.315	0.315							Lb/ft cs
<b>0.540 OD</b>	<b>wall</b>	<b>0.049</b>	<b>0.065</b>									<b>0.073</b>	<b>0.088</b>	<b>0.088</b>		<b>0.119</b>	<b>0.119</b>							<b>Inch</b>
<b>Max PSI at E=1.00</b>		1357	1840									2090	2575	2575		3648	3648							PSI
<b>Max PSI at E=0.85</b>		1153	1564									1777	2189	2189		3101	3101							PSI
<b>1/4"</b>	<b>Volume</b>	0.001	0.001									0.001	0.001	0.001		0.000	0.000							ft^3/ft
	<b>Weight</b>	0.257	0.330									0.364	0.425	0.425		0.536	0.536							Lb/ft cs
<b>0.675 OD</b>	<b>wall</b>	<b>0.049</b>	<b>0.065</b>									<b>0.073</b>	<b>0.091</b>	<b>0.091</b>		<b>0.126</b>	<b>0.126</b>							<b>Inch</b>
<b>Max PSI at E=1.00</b>		1071	1446									1638	2084	2084		3006	3006							PSI
<b>Max PSI at E=0.85</b>		910	1229									1392	1771	1771		2555	2555							PSI
<b>3/8"</b>	<b>Volume</b>	0.002	0.002									0.002	0.001	0.001		0.001	0.001							ft^3/ft
	<b>Weight</b>	0.328	0.424									0.470	0.568	0.568		0.740	0.740							Lb/ft cs
<b>0.840 OD</b>	<b>wall</b>	<b>0.065</b>	<b>0.083</b>									<b>0.095</b>	<b>0.109</b>	<b>0.109</b>		<b>0.147</b>	<b>0.147</b>					<b>0.188</b>	<b>0.294</b>	<b>Inch</b>
<b>Max PSI at E=1.00</b>		1145	1486									1719	1998	1998		2792	2792					3715	6490	PSI
<b>Max PSI at E=0.85</b>		974	1263									1462	1698	1698		2373	2373					3158	5517	PSI
<b>1/2"</b>	<b>Volume</b>	0.003	0.002									0.002	0.002	0.002		0.002	0.002					0.001	0.000	ft^3/ft
	<b>Weight</b>	0.539	0.672									0.757	0.852	0.852		1.089	1.089					1.311	1.716	Lb/ft cs
<b>1.050 OD</b>	<b>wall</b>	<b>0.065</b>	<b>0.083</b>									<b>0.095</b>	<b>0.113</b>	<b>0.113</b>		<b>0.154</b>	<b>0.154</b>					<b>0.219</b>	<b>0.308</b>	<b>Inch</b>
<b>Max PSI at E=1.00</b>		906	1171									1352	1629	1629		2288	2288					3419	5168	PSI
<b>Max PSI at E=0.85</b>		770	996									1149	1385	1385		1945	1945					2906	4393	PSI
<b>3/4"</b>	<b>Volume</b>	0.005	0.004									0.004	0.004	0.004		0.003	0.003					0.002	0.001	ft^3/ft
	<b>Weight</b>	0.685	0.858									0.970	1.132	1.132		1.475	1.475					1.946	2.443	Lb/ft cs
<b>1.315 OD</b>	<b>wall</b>	<b>0.065</b>	<b>0.109</b>									<b>0.114</b>	<b>0.133</b>	<b>0.133</b>		<b>0.179</b>	<b>0.179</b>					<b>0.250</b>	<b>0.358</b>	<b>Inch</b>
<b>Max PSI at E=1.00</b>		717	1232									1292	1524	1524		2106	2106					3070	4709	PSI
<b>Max PSI at E=0.85</b>		609	1047									1098	1295	1295		1790	1790					2610	4002	PSI
<b>1"</b>	<b>Volume</b>	0.008	0.007									0.006	0.006	0.006		0.005	0.005					0.004	0.002	ft^3/ft
	<b>Weight</b>	0.869	1.405									1.464	1.681	1.681		2.174	2.174					2.847	3.663	Lb/ft cs
<b>1.660 OD</b>	<b>wall</b>	<b>0.065</b>	<b>0.109</b>									<b>0.117</b>	<b>0.140</b>	<b>0.140</b>		<b>0.191</b>	<b>0.191</b>					<b>0.250</b>	<b>0.382</b>	<b>Inch</b>
<b>Max PSI at E=1.00</b>		564	964									1038	1255	1255		1752	1752					2357	3840	PSI
<b>Max PSI at E=0.85</b>		479	819									882	1067	1067		1489	1489					2003	3264	PSI
<b>1 1/4"</b>	<b>Volume</b>	0.013	0.011									0.011	0.010	0.010		0.009	0.009					0.007	0.004	ft^3/ft
	<b>Weight</b>	1.108	1.808									1.930	2.275	2.275		3.000	3.000					3.769	5.220	Lb/ft cs
<b>1.900 OD</b>	<b>wall</b>	<b>0.065</b>	<b>0.109</b>									<b>0.125</b>	<b>0.145</b>	<b>0.145</b>		<b>0.200</b>	<b>0.200</b>					<b>0.281</b>	<b>0.400</b>	<b>Inch</b>
<b>Max PSI at E=1.00</b>		491	837									966	1129	1129		1591	1591					2310	3457	PSI
<b>Max PSI at E=0.85</b>		417	711									821	959	959		1352	1352					1963	2938	PSI
<b>1 1/2"</b>	<b>Volume</b>	0.017	0.015									0.015	0.014	0.014		0.012	0.012					0.010	0.007	ft^3/ft
	<b>Weight</b>	1.275	2.087									2.372	2.721	2.721		3.635	3.635					4.864	6.415	Lb/ft cs

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<b>Schedule</b>									<b>20</b>	<b>30</b>	<b>40</b>	<b>STD</b>	<b>60</b>	<b>80</b>	<b>XS</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>XXS</b>		
<b>2.375 OD</b>	<b>wall</b>	<b>0.065</b>	<b>0.083</b>	<b>0.109</b>	<b>0.125</b>	<b>0.141</b>	<b>0.172</b>	<b>0.188</b>			<b>0.154</b>	<b>0.154</b>		<b>0.218</b>	<b>0.218</b>				<b>0.344</b>	<b>0.436</b>	<b>Inch</b>	
	<b>Max PSI at E=1.00</b>	391	502	664	765	867	1068	1173			951	951		1373	1373				2257	2949	PSI	
	<b>Max PSI at E=0.85</b>	332	426	564	650	737	908	997			808	808		1167	1167				1918	2507	PSI	
<b>2"</b>	<b>Volume</b>	0.027	0.027	0.025	0.025	0.024	0.022	0.022			0.023	0.023		0.021	0.021				0.016	0.012	ft^3/ft	
	<b>Weight</b>	1.61	2.03	2.64	3.01	3.37	4.05	4.40			3.66	3.66		5.03	5.03				7.47	9.04	Lb/ft cs	
<b>2.875 OD</b>	<b>wall</b>	<b>0.083</b>	<b>0.109</b>	<b>0.125</b>	<b>0.141</b>	<b>0.156</b>	<b>0.172</b>	<b>0.188</b>			<b>0.203</b>	<b>0.203</b>		<b>0.276</b>	<b>0.276</b>				<b>0.375</b>	<b>0.552</b>	<b>Inch</b>	
	<b>Max PSI at E=1.00</b>	413	545	628	711	790	874	959			1040	1040		1441	1441				2010	3105	PSI	
	<b>Max PSI at E=0.85</b>	351	463	534	604	671	743	815			884	884		1225	1225				1708	2640	PSI	
<b>2 1/2"</b>	<b>Volume</b>	0.040	0.039	0.038	0.037	0.036	0.035	0.034			0.033	0.033		0.029	0.029				0.025	0.017	ft^3/ft	
	<b>Weight</b>	2.48	3.22	3.68	4.12	4.54	4.97	5.40			5.80	5.80		7.67	7.67				10.02	13.71	Lb/ft cs	
<b>3.500 OD</b>	<b>wall</b>	<b>0.083</b>	<b>0.109</b>	<b>0.125</b>	<b>0.141</b>	<b>0.156</b>	<b>0.172</b>	<b>0.188</b>			<b>0.216</b>	<b>0.216</b>		<b>0.300</b>	<b>0.300</b>				<b>0.438</b>	<b>0.600</b>	<b>Inch</b>	
	<b>Max PSI at E=1.00</b>	338	446	513	580	644	713	781			903	903		1277	1277				1920	2727	PSI	
	<b>Max PSI at E=0.85</b>	287	379	436	493	547	606	664			768	768		1085	1085				1632	2318	PSI	
<b>3"</b>	<b>Volume</b>	0.061	0.059	0.058	0.056	0.055	0.054	0.053			0.051	0.051		0.046	0.046				0.038	0.029	ft^3/ft	
	<b>Weight</b>	3.03	3.95	4.51	5.06	5.58	6.12	6.66			7.58	7.58		10.26	10.26				14.34	18.60	Lb/ft cs	
<b>4.000 OD</b>	<b>wall</b>	<b>0.083</b>	<b>0.109</b>	<b>0.125</b>	<b>0.141</b>	<b>0.156</b>	<b>0.172</b>	<b>0.188</b>			<b>0.226</b>	<b>0.226</b>		<b>0.318</b>	<b>0.318</b>						<b>0.636</b>	<b>Inch</b>
	<b>Max PSI at E=1.00</b>	295	389	447	506	561	621	680			824	824		1179	1179						2505	PSI
	<b>Max PSI at E=0.85</b>	251	331	380	430	477	528	578			700	700		1002	1002						2129	PSI
<b>3 1/2"</b>	<b>Volume</b>	0.080	0.078	0.077	0.075	0.074	0.073	0.072			0.069	0.069		0.062	0.062						0.041	ft^3/ft
	<b>Weight</b>	3.48	4.53	5.18	5.82	6.41	7.04	7.66			9.12	9.12		12.52	12.52						22.88	Lb/ft cs
<b>4.500 OD</b>	<b>wall</b>	<b>0.083</b>	<b>0.109</b>	<b>0.125</b>	<b>0.141</b>	<b>0.156</b>	<b>0.172</b>	<b>0.188</b>			<b>0.237</b>	<b>0.237</b>	<b>0.281</b>	<b>0.337</b>	<b>0.337</b>		<b>0.438</b>		<b>0.531</b>	<b>0.674</b>	<b>Inch</b>	
	<b>Max PSI at E=1.00</b>	262	345	397	449	497	550	603			766	766	914	1106	1106		1462		1801	2342	PSI	
	<b>Max PSI at E=0.85</b>	222	293	337	381	423	467	512			651	651	777	940	940		1243		1531	1991	PSI	
<b>4"</b>	<b>Volume</b>	0.102	0.100	0.099	0.097	0.096	0.094	0.093			0.088	0.088	0.085	0.080	0.080		0.072		0.064	0.054	ft^3/ft	
	<b>Weight</b>	3.92	5.12	5.85	6.57	7.25	7.96	8.67			10.80	10.80	12.68	15.00	15.00		19.02		22.53	27.57	Lb/ft cs	
<b>5.563 OD</b>	<b>wall</b>	<b>0.083</b>	<b>0.125</b>	<b>0.156</b>	<b>0.188</b>	<b>0.219</b>	<b>0.281</b>	<b>0.312</b>			<b>0.258</b>	<b>0.258</b>		<b>0.375</b>	<b>0.375</b>		<b>0.500</b>		<b>0.625</b>	<b>0.750</b>	<b>Inch</b>	
	<b>Max PSI at E=1.00</b>	211	320	400	485	567	733	817			671	671		990	990		1343		1707	2084	PSI	
	<b>Max PSI at E=0.85</b>	179	272	340	412	482	623	695			570	570		842	842		1141		1451	1772	PSI	
<b>5"</b>	<b>Volume</b>	0.159	0.154	0.150	0.147	0.143	0.136	0.133			0.139	0.139		0.126	0.126		0.114		0.101	0.090	ft^3/ft	
	<b>Weight</b>	4.86	7.27	9.02	10.80	12.51	15.87	17.52			14.63	14.63		20.80	20.80		27.07		33.00	38.59	Lb/ft cs	
<b>6.625 OD</b>	<b>wall</b>	<b>0.083</b>	<b>0.109</b>	<b>0.125</b>	<b>0.141</b>	<b>0.156</b>	<b>0.172</b>	<b>0.188</b>			<b>0.280</b>	<b>0.280</b>		<b>0.432</b>	<b>0.432</b>		<b>0.562</b>		<b>0.719</b>	<b>0.864</b>	<b>Inch</b>	
	<b>Max PSI at E=1.00</b>	177	233	268	302	335	370	405			610	610		957	957		1263		1644	2009	PSI	
	<b>Max PSI at E=0.85</b>	150	198	228	257	285	315	345			518	518		813	813		1073		1398	1708	PSI	
<b>6"</b>	<b>Volume</b>	0.228	0.224	0.222	0.219	0.217	0.215	0.213			0.201	0.201		0.181	0.181		0.165		0.147	0.131	ft^3/ft	
	<b>Weight</b>	5.81	7.59	8.69	9.77	10.79	11.87	12.94			19.00	19.00		28.60	28.60		36.43		45.40	53.22	Lb/ft cs	
<b>8.625 OD</b>	<b>wall</b>	<b>0.125</b>	<b>0.156</b>	<b>0.188</b>	<b>0.203</b>	<b>0.219</b>	<b>0.312</b>	<b>0.344</b>	<b>0.250</b>	<b>0.277</b>	<b>0.322</b>	<b>0.322</b>	<b>0.406</b>	<b>0.500</b>	<b>0.500</b>	<b>0.594</b>	<b>0.719</b>	<b>0.812</b>	<b>0.906</b>	<b>0.875</b>	<b>Inch</b>	
	<b>Max PSI at E=1.00</b>	205	256	310	335	362	520	574	414	460	537	537	681	846	846	1013	1239	1411	1587	1529	PSI	
	<b>Max PSI at E=0.85</b>	174	218	263	285	308	442	488	352	391	456	456	579	719	719	861	1053	1199	1349	1300	PSI	
<b>8"</b>	<b>Volume</b>	0.383	0.377	0.371	0.368	0.366	0.349	0.344	0.360	0.355	0.347	0.347	0.333	0.317	0.317	0.302	0.282	0.267	0.253	0.258	ft^3/ft	
	<b>Weight</b>	11.36	14.13	16.96	18.28	19.68	27.73	30.46	22.39	24.72	28.59	28.59	35.68	43.44	43.44	51.00	60.78	67.83	74.77	72.50	Lb/ft cs	

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<b>Schedule</b>									<b>20</b>	<b>30</b>	<b>40</b>	<b>STD</b>	<b>60</b>	<b>80</b>	<b>XS</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>XXS</b>	
10.750 OD	wall	0.156	0.188	0.203	0.219	0.279	0.344	0.438	0.250	0.307	0.365	0.365	0.500	0.594	0.500	0.719	0.844	1.000	1.125	1.000	Inch
	Max PSI at E=1.00	205	248	268	289	370	458	587	331	408	487	487	673	805	673	982	1163	1393	1581	1393	PSI
	Max PSI at E=0.85	174	211	228	246	315	390	499	281	347	414	414	572	684	572	835	989	1184	1344	1184	PSI
<b>10"</b>	Volume	0.594	0.587	0.584	0.580	0.567	0.552	0.532	0.573	0.560	0.548	0.548	0.518	0.499	0.518	0.473	0.448	0.418	0.394	0.418	ft <sup>3</sup> /ft
	Weight	17.7	21.2	22.9	24.7	31.2	38.3	48.3	28.1	34.3	40.5	40.5	54.8	64.5	54.8	77.1	89.4	104.2	115.8	104.2	Lb/ft cs
12.750 OD	wall	0.172	0.188	0.203	0.219	0.281	0.312	0.344	0.250	0.330	0.406	0.375	0.562	0.688	0.500	0.844	1.000	1.125	1.312	1.000	Inch
	Max PSI at E=1.00	191	209	225	243	313	349	385	278	369	456	420	637	785	565	972	1162	1317	1552	1162	PSI
	Max PSI at E=0.85	162	177	192	207	266	296	327	237	314	388	357	541	667	480	826	988	1119	1320	988	PSI
<b>12"</b>	Volume	0.839	0.835	0.831	0.827	0.810	0.802	0.794	0.818	0.797	0.777	0.785	0.737	0.706	0.753	0.667	0.630	0.601	0.559	0.630	ft <sup>3</sup> /ft
	Weight	23.1	25.3	27.2	29.3	37.5	41.5	45.6	33.4	43.8	53.6	49.6	73.2	88.7	65.5	107.4	125.6	139.8	160.4	125.6	Lb/ft cs
14.000 OD	wall	0.188	0.203	0.210	0.219	0.250	0.281	0.344	0.312	0.375	0.438	0.375	0.594	0.750	0.500	0.938	1.094	1.250	1.406		Inch
	Max PSI at E=1.00	190	205	212	221	253	285	350	317	382	448	382	612	779	513	984	1157	1333	1512		PSI
	Max PSI at E=0.85	161	174	180	188	215	242	298	269	325	381	325	520	662	436	837	984	1133	1285		PSI
<b>14"</b>	Volume	1.012	1.008	1.006	1.003	0.994	0.985	0.967	0.976	0.958	0.939	0.958	0.895	0.852	0.922	0.802	0.761	0.721	0.683		ft <sup>3</sup> /ft
	Weight	27.8	29.9	31.0	32.3	36.8	41.2	50.2	45.7	54.6	63.5	54.6	85.1	106.2	72.2	131.0	151.0	170.4	189.3		Lb/ft cs
16.000 OD	wall	0.188	0.203	0.219	0.281	0.344	0.406	0.438	0.312	0.375	0.500	0.375	0.656	0.844	0.500	1.031	1.219	1.438	1.594		Inch
	Max PSI at E=1.00	166	179	193	249	306	362	391	277	334	447	334	591	767	447	945	1127	1343	1499		PSI
	Max PSI at E=0.85	141	152	164	212	260	307	332	235	284	380	284	502	652	380	803	958	1141	1274		PSI
<b>16"</b>	Volume	1.331	1.326	1.321	1.300	1.279	1.258	1.248	1.289	1.268	1.227	1.268	1.177	1.117	1.227	1.060	1.003	0.939	0.895		ft <sup>3</sup> /ft
	Weight	31.8	34.3	37.0	47.2	57.6	67.7	72.9	52.3	62.6	82.9	62.6	107.6	136.8	82.9	165.0	192.6	223.9	245.5		Lb/ft cs
18.000 OD	wall	0.188	0.203	0.219	0.250	0.281	0.406	0.469	0.312	0.438	0.562	0.375	0.750	0.938	0.500	1.156	1.375	1.562	1.781		Inch
	Max PSI at E=1.00	147	159	172	196	221	321	372	246	347	447	296	601	757	397	941	1130	1293	1488		PSI
	Max PSI at E=0.85	125	135	146	167	188	273	316	209	295	380	252	511	644	337	800	960	1099	1265		PSI
<b>18"</b>	Volume	1.694	1.688	1.682	1.670	1.659	1.611	1.588	1.647	1.599	1.553	1.623	1.485	1.418	1.576	1.342	1.268	1.207	1.137		ft <sup>3</sup> /ft
	Weight	35.8	38.6	41.6	47.4	53.2	76.4	87.9	59.0	82.2	104.8	70.7	138.3	171.1	93.6	208.2	244.4	274.5	308.8		Lb/ft cs
20.000 OD	wall	0.188	0.203	0.219	0.250	0.281	0.312	0.344	0.375	0.500	0.594	0.375	0.812	1.031	0.500	1.281	1.500	1.750	1.969		Inch
	Max PSI at E=1.00	132	143	154	177	199	221	244	266	356	425	266	585	749	356	939	1108	1305	1480		PSI
	Max PSI at E=0.85	113	122	131	150	169	188	207	226	303	361	226	497	636	303	798	942	1109	1258		PSI
<b>20"</b>	Volume	2.100	2.094	2.087	2.074	2.061	2.048	2.034	2.021	1.969	1.930	2.021	1.842	1.755	1.969	1.659	1.576	1.485	1.407		ft <sup>3</sup> /ft
	Weight	39.8	43.0	46.3	52.8	59.2	65.7	72.3	78.7	104.2	123.2	78.7	166.6	209.1	104.2	256.4	296.7	341.5	379.6		Lb/ft cs
24.000 OD	wall	0.188	0.203	0.219	0.250	0.281	0.312	0.344	0.375	0.562	0.688	0.375	0.969	1.219	0.500	1.531	1.812	2.062	2.344		Inch
	Max PSI at E=1.00	110	119	129	147	165	184	203	221	333	410	221	582	737	296	935	1116	1280	1468		PSI
	Max PSI at E=0.85	94	101	109	125	140	156	172	188	283	348	188	494	627	252	795	949	1088	1248		PSI
<b>24"</b>	Volume	3.044	3.036	3.028	3.012	2.996	2.980	2.964	2.948	2.854	2.792	2.948	2.655	2.536	2.885	2.391	2.264	2.155	2.034		ft <sup>3</sup> /ft
	Weight	47.9	51.6	55.7	63.5	71.3	79.0	87.0	94.7	140.8	171.5	94.7	238.6	296.9	125.6	367.8	429.9	483.7	542.7		Lb/ft cs
30.000 OD	wall	0.250	0.281	0.312	0.344	0.406	0.438	0.469	0.500	0.625		0.375			0.500						Inch
	Max PSI at E=1.00	117	132	147	162	191	207	221	236	296		177			236						PSI
	Max PSI at E=0.85	100	112	125	138	163	176	188	201	252		150			201						PSI
<b>30"</b>	Volume	4.746	4.727	4.707	4.686	4.647	4.626	4.607	4.587	4.508		4.666			4.587						ft <sup>3</sup> /ft
	Weight	79.5	89.3	99.0	109.1	128.5	138.4	148.1	157.7	196.3		118.8			157.7						