Tubing
Pressure & Weights

CALIBER GAUGE				20	18	16	14	13	12	11	1/6	1/5	1/4	1/3	3/8	1/2	5/8	3/4
W.T. (plg) / OD (plg)	0.016	0.020	0.028	0.035	0.049	0.065	0.083	0.095	0.109	0.120	0.156	0.188	0.250	0.313	0.375	0.500	0.625	0.750
1/16"	38,400 0.008	48,000 0.009																
1/8"	19,200 0.019	24,000 0.022	39,000 0.029	42,000 0.033	58,800 0.040													
3/16"	12,800 0.029	15,998 0.035	22,403 0.047	29,498 0.056	39,203 0.078	51,863 0.083												
1/4"		12,000 0.049	16,800 0.066	21,000 0.080	29,400 0.105	39,000 0.128	49,800 0.148	57,000 0.157										
5/16"		9,600 0.062	13,440 0.085	168,000 0.103	23,520 1.380	31,200 0.172	39,780 0.203	45,750 0.221										
3/8"		8,003 0.075	11,998 0.103	14,003 0.127	19,598 0.170	26,003 0.215	33,203 0.258	38,003 0.284	43,598 0.309	48,000 0.326								
7/16"		6,857 0.089	9,600 0.123	12,000 0.151	16,800 0.204	22,285 0.259	28,457 0.315	32,571 0.348	37,371 0.383	41,143 0.408								
1/2"		6,000 0.102	8,400 0.141	10,500 0.173	14,700 0.236	19,500 0.302	24,900 0.369	28,500 0.418	32,700 0.455	36,000 0.487								
9/16"		5,333 0.116	7,467 0.160	9,333 0.197	13,067 0.269	17,333 0.346	22,135 0.426	25,333 0.475	29,066 0.529	32,000 0.568								
5/8"		4,800 0.129	6,720 0.178	8,400 0.221	11,760 0.301	15,600 0.388	19,920 0.480	22,888 0.537	26,160 0.600	28,800 0.647	37,440 0.781	44,880 0.877						
3/4"		3,998 0.155	5,603 0.215	6,998 0.267	9,803 0.366	12,997 0.475	16,598 0.591	18,998 0.664	21,803 0.746	24,000 0.807	31,200 0.990	37,403 1.128						
7/8"		3,428 0.183	4,800 0.253	6,000 0.314	8,400 0.432	11,145 0.562	14,228 0.702	16,283 0.791	18,683 0.891	20,573 0.968	26,745 1.198	32,055 1.379						
1"		3,000 0.209	4,200 0.290	5,250 0.360	7,350 0.497	9,750 0.649	12,450 0.812	14,250 0.918	16,350 1.037	18,000 1.128	23,400 1.406	28,050 1.630	37,500 2.003					
1_1/8"		2,663 0.236	3,735 0.328	4,665 0.407	6,533 0.563	8,670 0.736	11,070 0.923	12,668 1.045	14,535 1.183	15,998 1.288	20,798 1.614	24,930 1.881	33,330 2.336					
1_1/4"		2,400 0.262	3,360 0.365	4,200 0.454	5,880 0.628	7,800 0.822	9,960 1.034	114,000 1.172	13,080 1.328	14,400 1.502	18,720 1.823	22,440 2.132	30,000 2.670					
1_3/8"			3,053 0.402	3,818 0.501	5,348 0.694	7,087 0.909	9,053 1.145	10,365 1.299	11,888 1.473	13,088 1.608	17,018 2.031	20,400 2.383	27,270 3.004					
1_1/2"			2,948 0.440	3,503 0.547	4,898 0.759	6,503 0.996	8,303 1.256	9,503 1.426	10,890 1.619	12,000 1.769	15,600 2.239	18,698 2.634	24,998 3.338					
1_5/8"				3,230 0.594	4,523 0.825	6,000 1.083	7,662 1.367	8,769 1.552	10,062 1.765	11,077 1.929	14,400 2.447	17,354 2.885	23,077 3.671					
1_3/4"				3,000 0.641	4,200 0.890	5,573 1.170	7,118 1.478	8,145 1.679	9,345 1.910	10,283 2.160	13,373 2.656	16,028 3.136	21,428 4.005					
2"				2,625 0.734	3,675 1.021	4,875 1.343	6,225 1.699	7,125 1.933	8,175 2.201	9,000 2.409	11,700 3.072	14,025 3.638	18,750 4.673	23,475 5.639	28,125 6.508	37,500 8.010		

WORKING PRESSURES FOR T304 AND T316 A269 TUBING BETWEEN -20°F AND 100°F

THE ASME CODE SUGGESTS A SAFETY FACTOR OF 4.

E.G. 1/4" O.D. X .035=5250 P.S.I.

FOR HIGHER TEMPERATURES MULTIPLY WORKING PRESSURE BY:

	300°F	500°F	1000°F
T304	.828	.774	.665
T316	.900	.853	.746

UPPER FIGURES-Max Working Pressure (psi) **LOWER FIGURES-WEIGHT/FOOT (Lbs/Ft)**

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