

# TUBING PRESSURE RATINGS ALLOWABLE PRESSURE CHART – CARBON STEEL TUBING\*

TUBING O.D. (IN.)	Tube Wall Thickness (Inches)													
	.028	.035	.049	.065	.083	.095	.109	.120	.134	.148	.165	.180	.220	
1/8"	8,341	10,579	WORKING PRESSURE *(PSIG)											
3/16"	5,305	6,823												9,828
1/4"	3,818	4,929	7,261	9,781										
5/16"		3,834	5,602	7,699										
3/8"		3,145	4,554	6,291										
1/2"		2,316	3,317	4,538									5,978	
5/8"		1,831	2,613	3,536	4,632	5,414								
3/4"			2,144	2,910	3,787	4,397							5,133	
7/8"			1,831	2,457	3,208	3,709	4,319							
1"			1,580	2,144	2,770	3,208	3,724						4,417	
1-1/4"				1,698	2,195	2,533	2,934	3,255	3,670	4,094	4,619	5,094		
1-1/2"					1,812	2,088	2,415	2,675	3,011	3,353	3,775	4,155		
2"						1,545	1,784	1,973	2,216	2,462	2,765	3,306	3,775	

**Soft annealed carbon steel hydraulic tubing ASTM A179 or equivalent. Minimum ultimate tensile strength 47,000 p.s.i. For metal temperatures not to exceed -20 to 100°F. Allowable working pressure loads calculated from S values as specified by Table 302.3.1 and Paragraph 304.1.2 of Code for Pressure Piping ANSI B31.3.**

\*NOTE: All charts and tables are for reference only and are based on information contained in the 1966 edition of the code. No implication is made that these figures can be used for all design work. Applicable codes and practices in industry should be considered. We are not responsible for the accuracy of information presented in these tables.