

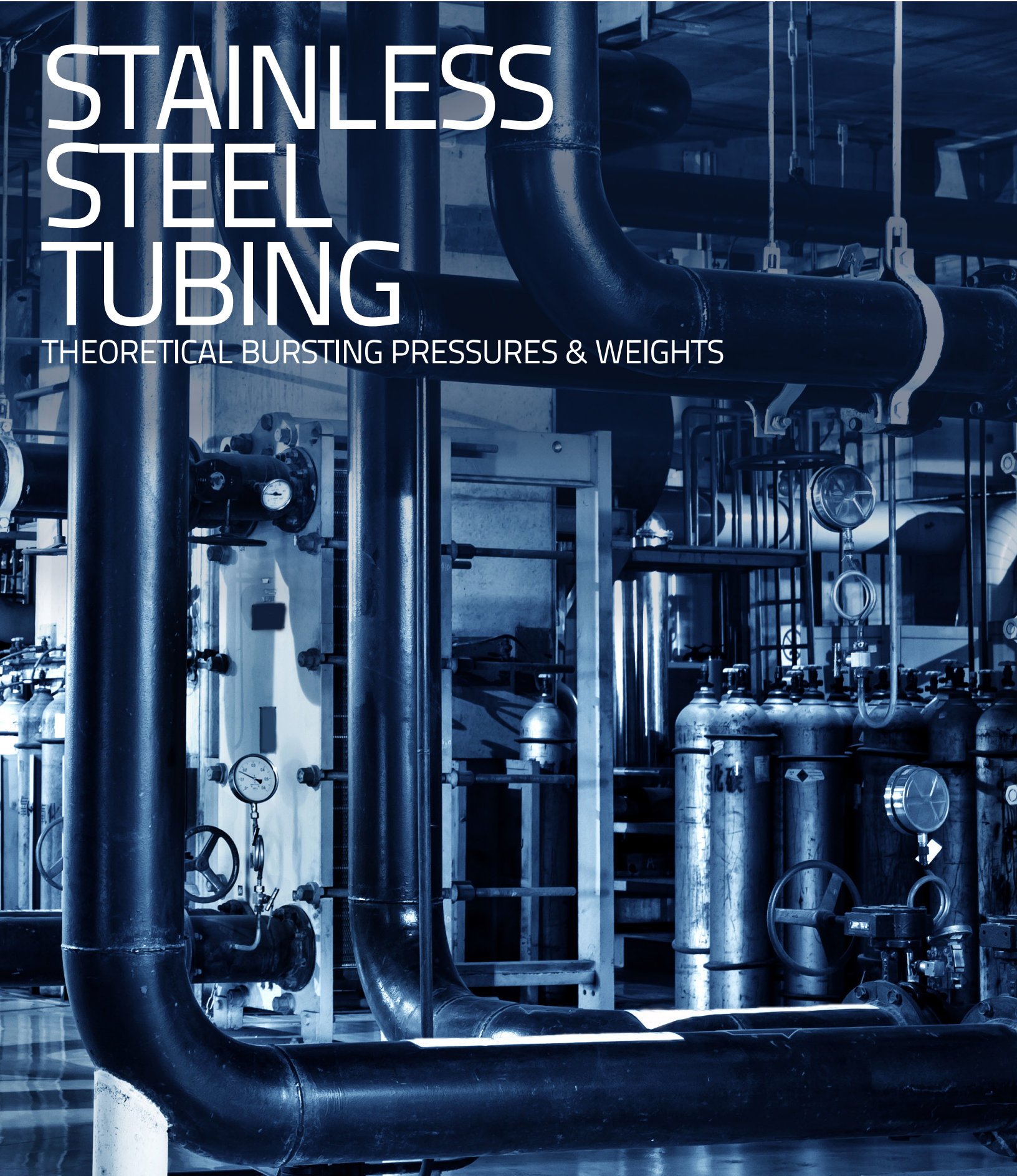


Dover Tubular Alloys

Trusted By Top Distributors Globally.

STAINLESS STEEL TUBING

THEORETICAL BURSTING PRESSURES & WEIGHTS





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STAINLESS STEEL TUBING / THEORETICAL BURSTING PRESSURES & WEIGHTS

UPPER FIGURES - PRESSURES LOWER FIGURES - WEIGHT/FOOT

O.D. INCHES	WALL THICKNESS																	
	.016	.020	.028	.035	.049	.065	.083	.095	.109	.120	.134	.156	.188	.250	.313	.375	.500	.750
1/16	38,400 .008	48,000 .009																
1/8	19,200 .019	24,000 .022	39,000 .029	42,000 .033	58,800 .040													
3/16	12,800 .029	15,998 .035	22,403 .047	29,498 .057	39,203 .073	51,863 .083												
1/4		12,000 .049	16,800 .066	21,000 .080	29,400 .105	39,000 .128	49,800 .148	57,000 .157										
5/16		9,600 .062	13,440 .085	16,800 .103	23,520 .138	31,200 .172	39,780 .203	45,750 .221										
3/8		8,003 .075	11,998 .103	14,003 .127	19,598 .170	26,003 .215	33,203 .258	38,003 .284	43,598 .309	48,000 .326								
7/16		6,857 .089	9,600 .123	12,000 .151	16,800 .204	22,285 .259	28,457 .315	32,571 .348	37,371 .383	41,143 .408								
1/2		6,000 .102	8,400 .141	10,500 .173	14,700 .236	19,500 .302	24,900 .369	28,500 .418	32,700 .455	36,000 .487								
9/16		5,333 .116	7,467 .160	9,333 .197	13,067 .269	17,333 .346	22,133 .426	25,333 .475	29,066 .529	32,000 .568								
5/8		4,800 .129	6,720 .178	8,400 .221	11,760 .301	15,600 .388	19,920 .480	22,888 .537	26,160 .600	28,800 .647	32,160 .703	37,440 .781	44,880 .877					
3/4		3,998 .155	5,603 .215	6,998 .267	9,803 .366	12,997 .475	16,598 .591	18,998 .746	21,803 .807	24,000 .882	26,800 .990	31,200 .1,128	37,403 .1,288					
7/8		3,428 .183	4,800 .253	6,000 .314	8,400 .432	11,145 .562	14,228 .702	16,283 .791	18,683 .891	20,573 .978	22,971 .1,061	26,745 .1,198	32,055 .1,375					
1		3,000 .209	4,200 .290	5,250 .360	7,350 .497	9,750 .649	12,450 .812	14,250 .918	16,350 .1,037	18,000 .1,128	20,100 .1,239	23,400 .1,406	28,050 .1,630	37,500 .3,004				
1 1/8		2,663 .236	3,735 .328	4,665 .407	6,533 .563	8,670 .736	11,070 .923	12,668 .1,045	14,535 .1,183	15,998 .1,288	17,866 .1,418	20,789 .1,614	24,930 .1,881	33,330 .2,336				
1 1/4		24,00 .262	3,360 .365	4,200 .454	5,880 .628	7,800 .822	9,960 .1,034	11,400 .1,172	13,080 .1,328	14,400 .1,448	16,080 .1,597	18,720 .1,823	22,440 .2,132	30,000 .2,670				
1 3/8			3,053 .402	3,818 .501	5,348 .694	7,087 .909	9,053 .1,145	10,365 .1,299	11,888 .1,473	13,088 .1,608	14,618 .1,776	17,018 .2,031	20,400 .2,383	27,270 .3,114				
1 1/2			2,948 .440	3,503 .547	4,898 .759	6,503 .996	8,303 .1,256	9,503 .1,426	10,890 .1,619	12,000 .1,769	13,400 .1,955	15,600 .2,239	18,698 .2,634	24,998 .3,338				
1 5/8				3,230 .594	4,523 .825	6,000 .1,083	7,662 .1,367	8,769 .1,552	10,062 .1,765	11,077 .1,929	12,369 .2,134	14,400 .2,447	17,354 .2,885	23,007 .3,671				
1 3/4				3,000 .641	4,200 .890	5,573 .1,170	7,118 .1,478	8,145 .1,679	9,345 .1,910	10,283 .2,160	11,486 .2,313	13,373 .2,656	16,028 .3,136	21,248 .4,005				
2				2,625 .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	10,050 .2,671	11,700 .3,072	14,025 .3,638	18,750 .4,673	23,475 .5,639	28,125 .6,508	37,500 .8,010	
2 1/4				2,333 .848	3,270 .1,152	4,335 .1,517	5,535 .1,921	6,330 .2,250	7,268 .2,556	8,003 .2,730	8,933 .3,028	10,403 .3,489	12,465 .4,140	16,665 .5,340	20,865 .6,475	24,500 .7,509	33,330 .9,345	
2 1/2				2,100 .921	2,940 .1,283	3,900 .1,690	4,980 .2,143	5,700 .2,440	6,540 .2,783	7,200 .3,050	8,040 .3,386	9,360 .3,905	11,220 .4,642	15,000 .6,008	18,780 .7,311	22,500 .8,511	30,000 .10,680	
2 3/4				1,913 .1,015	2,670 .1,413	3,548 .1,864	4,530 .2,364	5,183 .2,699	5,948 .3,177	6,548 .3,495	7,309 .3,744	8,513 .4,322	10,200 .5,144	13,636 .6,657	17,070 .8,147	20,453 .9,512	27,270 .12,015	40,913 .16,020
3				1,748 .1,108	2,453 .1,544	3,248 .2,037	4,148 .2,586	4,748 .2,947	5,453 .3,393	6,000 .3,691	6,700 .4,102	7,800 .4,739	9,353 .5,646	12,503 .7,343	15,653 .8,982	18,750 .10,513	24,998 .13,350	37,500 .18,020
3 1/4						3,000 .2,211	3,833 .2,805	4,388 .3,201	5,033 .3,634	5,535 .3,975	6,185 .4,459	7,200 .5,155	8,633 .6,148	11,535 .8,010	14,445 .9,818	17,310 .11,514	23,078 .14,685	34,613 .20,025
3 1/2						2,783 .2,385	3,555 .3,029	4,073 .3,455	4,673 .3,967	5,145 .4,385	5,743 .4,817	6,683 .5,571	8,018 .6,650	10,718 .8,678	13,418 .10,650	16,073 .12,515	21,428 .16,020	32,146 .22,027
3 3/4						2,603 .2,558	3,323 .3,248	3,803 .3,708	4,358 .4,235	4,800 .4,650	5,360 .5,175	6,240 .5,988	7,478 .7,152	9,998 .9,345	12,518 .11,490	15,000 .13,520	20,003 .17,355	30,000 .24,030
4						2,438 .2,723	3,113 .3,472	3,563 .3,962	4,088 .4,530	4,500 .4,973	5,025 .5,533	5,850 .6,404	7,013 .7,654	9,375 .10,010	11,738 .12,330	14,063 .14,520	18,750 .18,690	28,125 .26,030

Working pressures for T304/L and T316/L A269 tubing between -20°F and 100°F.

The A.S.M.E. code suggests a safety factor of four 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/L	.828	.744	.665
T316/L	.900	.853	.746

The information presented above are typical or average values and are not a guarantee of maximum or minimum values.