

Tungum tube maximum working pressure (MWP) ratings as per ASME B31.3-2018

For a description and details of the calculation used to generate MWP for Tungum tube, please visit our web site at: [https://www.t2alloys.com/Tungum\\_Tube\\_Pressure\\_Calculator.html](https://www.t2alloys.com/Tungum_Tube_Pressure_Calculator.html)

### IMPERIAL SIZES

T2 Alloys Stock Code	Outside Diameter (in) Fraction	Outside Diameter (in) Decimal	Wall Thickness (in)	Maximum Working Pressure (PSI)	Maximum Working Pressure (BAR)
-	1/8	0.1250	0.049	19911	1373
-	1/8	0.1250	0.035	12127	836
116	1/8	0.1250	0.028	9524	657
-	1/8	0.1250	0.020	6104	421
101	3/16	0.1875	0.049	11718	808
102	3/16	0.1875	0.035	7480	516
103	3/16	0.1875	0.028	5970	412
-	3/16	0.1875	0.020	3910	270
104	1/4	0.2500	0.065	11881	819
105	1/4	0.2500	0.049	8302	573
106	1/4	0.2500	0.035	5408	373
107	1/4	0.2500	0.028	4348	300
119	1/4	0.2500	0.020	2876	198
108	5/16	0.3125	0.065	9074	626
-	5/16	0.3125	0.049	6428	443
109	5/16	0.3125	0.035	4235	292
110	5/16	0.3125	0.028	3419	236
-	5/16	0.3125	0.020	2275	157
117	3/8	0.3750	0.109	13906	959
115	3/8	0.3750	0.083	9675	667
111	3/8	0.3750	0.065	7339	506
112	3/8	0.3750	0.049	5245	362
113	3/8	0.3750	0.035	3480	240
114	3/8	0.3750	0.028	2817	194
118	3/8	0.3750	0.020	1882	130
201	1/2	0.5000	0.109	9751	673
202	1/2	0.5000	0.083	6922	477
203	1/2	0.5000	0.065	5310	366
204	1/2	0.5000	0.049	3833	264
205	1/2	0.5000	0.035	2565	177
206	1/2	0.5000	0.028	2083	144
-	1/2	0.5000	0.020	1398	96
208	5/8	0.6250	0.109	7508	518
209	5/8	0.6250	0.083	5388	372
210	5/8	0.6250	0.065	4159	287
211	5/8	0.6250	0.049	3020	208
212	5/8	0.6250	0.035	2031	140
213	5/8	0.6250	0.028	1653	114
-	5/8	0.6250	0.020	1112	77

To perform your own calculation based on your working pressure, or Tungum tube wall thickness, please visit our web site at: [https://www.t2alloys.com/Tungum\\_Tube\\_Pressure\\_Calculator.html](https://www.t2alloys.com/Tungum_Tube_Pressure_Calculator.html)

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Web site: [www.t2alloys.com](http://www.t2alloys.com)

T2 Alloys Stock Code	Outside Diameter (in) Fraction	Outside Diameter (in) Decimal	Wall Thickness (in)	Maximum Working Pressure (PSI)	Maximum Working Pressure (BAR)
274	3/4	0.7500	0.120	6715	463
214	3/4	0.7500	0.109	6104	421
215	3/4	0.7500	0.083	4411	304
216	3/4	0.7500	0.065	3419	236
217	3/4	0.7500	0.049	2492	172
218	3/4	0.7500	0.035	1681	116
-	3/4	0.7500	0.028	1370	94
219	3/4	0.7500	0.020	923	64
225	1	1.0000	0.156	6664	460
226	1	1.0000	0.120	4873	336
227	1	1.0000	0.109	4443	306
228	1	1.0000	0.083	3237	223
229	1	1.0000	0.065	2521	174
230	1	1.0000	0.049	1846	127
231	1	1.0000	0.035	1251	86
-	1	1.0000	0.028	1020	70
-	1	1.0000	0.020	689	48
232	1-1/4	1.2500	0.156	5154	355
233	1-1/4	1.2500	0.120	3787	261
234	1-1/4	1.2500	0.109	3455	238
239	1-1/4	1.2500	0.083	2521	174
235	1-1/4	1.2500	0.065	1962	135
236	1-1/4	1.2500	0.049	1449	100
-	1-1/4	1.2500	0.035	979	68
237	1-1/4	1.2500	0.028	780	54
238	1-1/2	1.5000	0.188	5245	362
-	1-1/2	1.5000	0.156	4222	291
-	1-1/2	1.5000	0.120	3116	215
241	1-1/2	1.5000	0.109	2847	196
240	1-1/2	1.5000	0.083	2083	144
242	1-1/2	1.5000	0.065	1624	112
-	1-1/2	1.5000	0.049	1202	83
-	1-3/4	1.7500	0.188	4429	305
-	1-3/4	1.7500	0.049	1026	71
247	2	2.0000	0.188	3833	264
-	2	2.0000	0.156	3101	214
-	2	2.0000	0.120	2301	159
249	2	2.0000	0.109	2105	145
-	2	2.0000	0.083	1546	107
250	2	2.0000	0.065	1209	83
-	2-1/2	2.5000	0.188	2984	206
-	2-1/2	2.5000	0.065	929	64
-	3	3.0000	0.188	2462	170
-	3	3.0000	0.083	1020	70

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