

Max. permissible working pressure for seamless and welded tubes in 1.4404/1.4435/316L, according to DIN 2413 (1970).

Tube dimensions Imperial (Tube wall thickness in mm)													
Tube OD	0.25	0.30	0.35	0.40	0.50	0.71	0.89	1.24	1.65	2.11	2.77	3.18	4.78
1/16"	425*	509	594	679	849								
1/8"	212	255	297	340	425	603							
3/16"	142	170	198	227	284	403	516						
1/4"	106	128	149	170	213	302	387	519					
5/16"	85	102	119	136	170	241	309	415	561				
3/8"		85	99	113	142	201	258	346	467	598			
1/2"				85	106	151	193	259	351	449			
5/8"					85	121	155	208	281	359	449		
3/4"						101	129	173	234	299	374	450	
1"							98	130	175	224	281	338	508
1 1/4"								104	140	179	225	270	406
1 1/2"								86	117	150	187	225	339
2"								65	88	112	140	169	254
2 1/2"								52	70	90	112	135	203
3"								43	58	75	94	113	169
4"								32	44	56	70	85	127
Tube dimensions ISO (Tube wall thickness in mm)													
Tube OD	1.60	2.00	2.30	2.60	2.80	2.90	3.20	3.60	4.00	4.10	4.50	5.00	
13.50	320*	400	460										
17.20	251	314	360	408	440	455	502						
21.30	202	253	292	330	355	368	406						
26.90	160	200	231	261	281	291	321	361	401				
33.70	128	160	184	208	233	232	256	288	320	325			
42.40	102	127	146	165	178	185	203	229	255	258			
48.40	89	112	128	146	156	162	179	202	226	229	251	280	
60.30	71	90	103	116	125	130	143	161	179	184	201	224	
76.10	57	71	81	92	99	103	114	128	142	145	159	177	
88.90	49	61	69	79	85	88	97	110	123	125	137	152	
114.30	38	45	54	62	66	69	76	85	95	97	107	118	

* Permissible working pressure in bar at room temperature.

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WORKING PRESSURES

Max. permissible working pressure for seamless and welded tubes in 1.4404/1.4435/316L, according to DIN 2413 (1970).

Tube dimensions Metric (Tube wall thickness in mm)												
Rohr OD	0.25	0.50	1.00	1.50	2.00	2.50	3.00	3.20	3.50	4.00	5.00	
2.00	338*	675										
3.00	225	450										
4.00	169	337										
6.00	113	225	450									
8.00	84	169	337	507								
10.00	68	135	270	405	540							
12.00		112	225	337	450	562						
14.00		96	193	289	385	482						
15.00			180	270	340	450	540					
16.00			169	253	337	422	507	540				
18.00			150	225	300	375	450	480	525			
19.00			142	213	284	355	426	455	497			
20.00			135	202	270	337	404	432	473	540		
22.00			122	184	245	307	368	393	420	491		
23.00			117	176	235	293	352	376	411	470		
25.00			108	165	216	270	324	346	378	432	540	
28.00			97	145	193	241	289	309	338	385	482	
29.00			93	140	186	233	279	298	326	372	466	
35.00			77	116	154	193	231	247	270	309	386	
38.00			71	107	142	178	213	227	249	285	355	
41.00				99	132	165	198	211	230	263	329	
44.50				91	121	152	182	194	212	243	303	
53.00				76	102	127	153	163	178	204	255	
70.00				58	77	96	115	123	135	155	193	
85.00					64	79	95	102	111	127	159	
104.00					52	65	78	83	91	104	130	
154.00					35	44	53	56	61	70	88	

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