

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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| 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 | |

* Permissible working pressure in bar at room temperature.