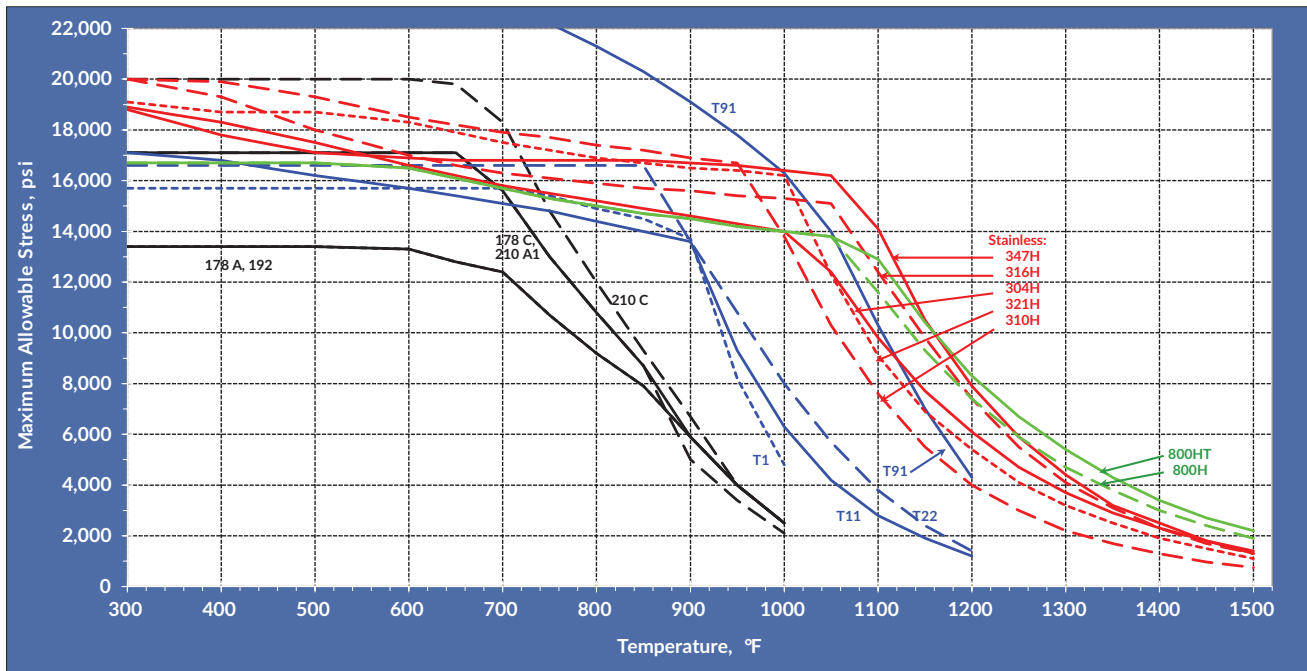


ALLOWABLE TUBE STRESS LIMITS per ASME B&PV Code, Section II, Part D, 2017

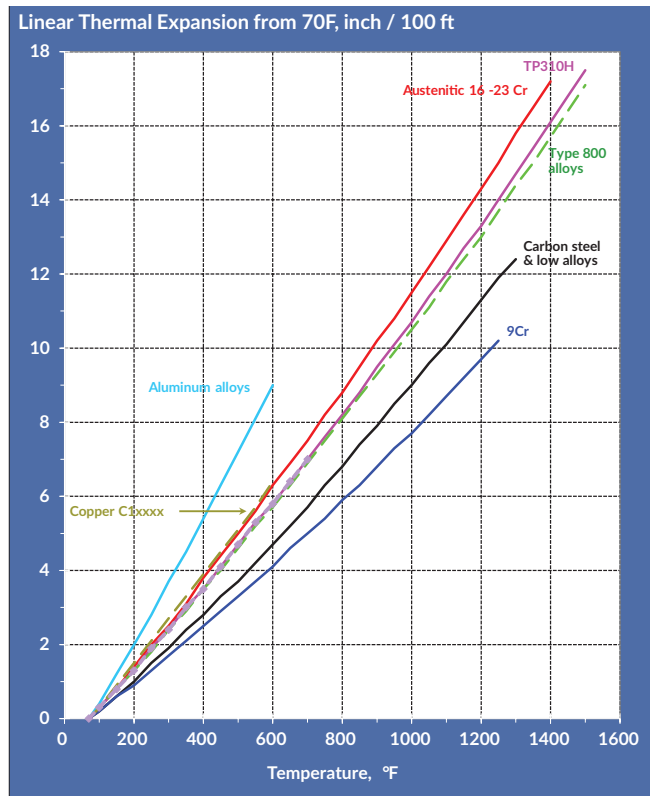


TYPICAL ORDERED WALL THICKNESS

| US Typical Sizes | | SI Typical Sizes | |
|------------------|--------------|------------------|------------|
| US std. inch | SI equiv. mm | US equiv. inch | SI std. mm |
| 0.095 | 2.41 | 0.063 | 1.6 |
| 0.105 | 2.67 | 0.079 | 2.0 |
| 0.110 | 2.79 | 0.091 | 2.3 |
| 0.125 | 3.18 | 0.102 | 2.6 |
| 0.135 | 3.43 | 0.114 | 2.9 |
| 0.150 | 3.81 | 0.126 | 3.2 |
| 0.156 | 3.96 | 0.138 | 3.5 |
| 0.165 | 4.19 | 0.157 | 4.0 |
| 0.180 | 4.57 | 0.177 | 4.5 |
| 0.188 | 4.78 | 0.197 | 5.0 |
| 0.200 | 5.08 | 0.217 | 5.5 |
| 0.203 | 5.16 | 0.236 | 6.0 |
| 0.220 | 5.59 | 0.256 | 6.5 |
| 0.240 | 6.10 | 0.276 | 7.0 |
| 0.250 | 6.35 | 0.295 | 7.5 |
| 0.260 | 6.60 | 0.315 | 8.0 |
| 0.280 | 7.11 | 0.335 | 8.5 |
| 0.284 | 7.21 | 0.354 | 9.0 |
| 0.300 | 7.62 | 0.374 | 9.5 |
| 0.313 | 7.95 | 0.394 | 10.0 |
| 0.320 | 8.13 | 0.413 | 10.5 |
| 0.340 | 8.64 | 0.433 | 11.0 |
| 0.360 | 9.14 | 0.453 | 11.5 |
| 0.375 | 9.53 | 0.472 | 12.0 |
| 0.400 | 10.16 | 0.492 | 12.5 |
| 0.420 | 10.67 | | |
| 0.438 | 11.13 | | |
| 0.460 | 11.68 | | |
| 0.480 | 12.19 | | |
| 0.500 | 12.70 | | |

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THERMAL EXPANSION



QuickRef-StmGenTubing 2017