

Temperature & Pressure Rating for A105 Flange

| Temperature and Pressure Ratings for ASTM 105 Carbon Steel Flange | | | | | | | |
|---|-----------------------------------|-----|-----|------|------|------|------|
| Pressure Class | 150 | 300 | 400 | 600 | 900 | 1500 | 2500 |
| PN Number | 20 | 50 | 68 | 100 | 150 | 250 | 420 |
| Service Temperature (F) | Maximum Non-Shock Pressure (Psig) | | | | | | |
| 100 | 285 | 740 | 990 | 1480 | 2200 | 3705 | 6170 |
| 200 | 260 | 675 | 900 | 1350 | 2025 | 3375 | 5625 |
| 300 | 230 | 655 | 875 | 1315 | 1970 | 3280 | 5470 |
| 400 | 200 | 635 | 845 | 1270 | 1900 | 3170 | 5280 |
| 500 | 170 | 600 | 800 | 1200 | 1795 | 2995 | 4990 |
| 600 | 140 | 550 | 730 | 1095 | 1640 | 2735 | 4560 |
| 650 | 125 | 535 | 715 | 1075 | 1610 | 2685 | 4475 |
| 700 | 110 | 535 | 710 | 1065 | 1600 | 2665 | 4440 |
| 750 | 95 | 505 | 670 | 1010 | 1510 | 2520 | 4200 |
| 800 | NOT RECOMMENDED ABOVE 800 | | | | | | |

