



## FORGED STEEL PIPE FITTINGS SCREWED AND SOCKET WELD PRESSURE TEMPERATURE TABLES (in PSI)

| Pressure Class                | 2000 Lb                 |                           |                          |                   | 3000 Lb                 |                           |                          |                   | 4000 Lb                 |                           |                          |                   | 6000 Lb                 |                           |                          |                   |
|-------------------------------|-------------------------|---------------------------|--------------------------|-------------------|-------------------------|---------------------------|--------------------------|-------------------|-------------------------|---------------------------|--------------------------|-------------------|-------------------------|---------------------------|--------------------------|-------------------|
| Service Temperature Degree F. | Carbon Steel A-105 Gr.2 | ½ Cr. ½ Mo. A-182 Gr. F11 | 5 Cr. ½ Mo. A-182 Gr. F5 | A-182 Grade F-316 | Carbon Steel A-105 Gr.2 | ½ Cr. ½ Mo. A-182 Gr. F11 | 5 Cr. ½ Mo. A-182 Gr. F5 | A-182 Grade F-316 | Carbon Steel A-105 Gr.2 | ½ Cr. ½ Mo. A-182 Gr. F11 | 5 Cr. ½ Mo. A-182 Gr. F5 | A-182 Grade F-316 | Carbon Steel A-105 Gr.2 | ½ Cr. ½ Mo. A-182 Gr. F11 | 5 Cr. ½ Mo. A-182 Gr. F5 | A-182 Grade F-316 |
| 20 to 100                     | 2000                    | 2000                      | 2000                     | 2000              | 3000                    | 3000                      | 3000                     | 3000              | 4000                    | 4000                      | 4000                     | 4000              | 6000                    | 6000                      | 6000                     | 6000              |
| 150                           | 1970                    | 1970                      | 1970                     | 1970              | 2955                    | 2955                      | 2955                     | 2955              | 3940                    | 3940                      | 3940                     | 3940              | 5915                    | 5915                      | 5915                     | 5915              |
| 200                           | 1940                    | 1940                      | 1949                     | 1940              | 2915                    | 2915                      | 2915                     | 2915              | 3885                    | 3885                      | 3885                     | 3885              | 5830                    | 5830                      | 5830                     | 5830              |
| 250                           | 1915                    | 1915                      | 1915                     | 1915              | 2875                    | 2875                      | 2875                     | 2875              | 3830                    | 3830                      | 3830                     | 3830              | 5750                    | 5750                      | 5750                     | 5750              |
| 300                           | 1895                    | 1895                      | 1895                     | 1895              | 2845                    | 2845                      | 2845                     | 2845              | 3790                    | 3790                      | 3790                     | 3790              | 5690                    | 5690                      | 5690                     | 5690              |
| 350                           | 1875                    | 1875                      | 1875                     | 1875              | 2810                    | 2810                      | 2810                     | 2810              | 3750                    | 3750                      | 3750                     | 3750              | 5625                    | 5625                      | 5625                     | 5625              |
| 400                           | 1850                    | 1850                      | 1850                     | 1850              | 2775                    | 2775                      | 2775                     | 2775              | 3700                    | 3700                      | 3700                     | 3700              | 5550                    | 5550                      | 5550                     | 5550              |
| 450                           | 1810                    | 1810                      | 1810                     | 1810              | 2715                    | 2715                      | 2715                     | 2715              | 3620                    | 3620                      | 3620                     | 3620              | 5430                    | 5430                      | 5430                     | 5430              |
| 500                           | 1735                    | 1735                      | 1735                     | 1735              | 2605                    | 2605                      | 2605                     | 2605              | 3470                    | 3470                      | 3470                     | 3470              | 5210                    | 5210                      | 5210                     | 5210              |
| 550                           | 1640                    | 1640                      | 1640                     | 1640              | 2460                    | 2460                      | 2460                     | 2460              | 3280                    | 3280                      | 3280                     | 3280              | 4925                    | 4925                      | 4925                     | 4925              |
| 600                           | 1540                    | 1540                      | 1540                     | 1540              | 2310                    | 2310                      | 2310                     | 2310              | 3080                    | 3080                      | 3080                     | 3080              | 4620                    | 4620                      | 4620                     | 4620              |
| 650                           | 1430                    | 1430                      | 1430                     | 1430              | 2150                    | 2150                      | 2150                     | 2150              | 2865                    | 2865                      | 2865                     | 2865              | 4300                    | 4300                      | 4300                     | 4300              |
| 700                           | 1305                    | 1340                      | 1340                     | 1370              | 1960                    | 2010                      | 2010                     | 2055              | 2610                    | 2680                      | 2680                     | 2740              | 3920                    | 4025                      | 4025                     | 4110              |
| 750                           | 1180                    | 1245                      | 1245                     | 1305              | 1775                    | 1870                      | 1870                     | 1960              | 2365                    | 2495                      | 2495                     | 2610              | 3550                    | 3745                      | 3745                     | 3920              |
| 800                           | 1015                    | 1155                      | 1155                     | 1240              | 1525                    | 1735                      | 1735                     | 1865              | 2030                    | 2310                      | 2310                     | 2485              | 3050                    | 3470                      | 3470                     | 3730              |
| 850                           | 830(1)                  | 1060                      | 1060                     | 1180              | 1250(1)                 | 1595                      | 1595                     | 1770              | 1665(1)                 | 2125                      | 2125                     | 2360              | 2500(1)                 | 3190                      | 3190                     | 3540              |
| 875                           | 725(1)                  | 1015                      | 1015                     | 1145              | 1090(1)                 | 1525                      | 1525                     | 1720              | 1450(1)                 | 2035                      | 2035                     | 2295              | 2180(1)                 | 3055                      | 3055                     | 3445              |
| 900                           | 615(1)                  | 970                       | 970                      | 1115              | 925(1)                  | 1455                      | 1455                     | 1675              | 1235(1)                 | 1940                      | 1940                     | 2230              | 1855(1)                 | 2915                      | 2915                     | 3350              |
| 925                           | 520(1)(2)               | 925                       | 925                      | 1085              | 785(1)(2)               | 1385                      | 1385                     | 1630              | 1045(1)(2)              | 1850                      | 1850                     | 2170              | 1570(1)(2)              | 2775                      | 2775                     | 3260              |
| 950                           | 425(1)(2)               | 880                       | 880                      | 1055              | 640(1)(2)               | 1320                      | 1320                     | 1580              | 855(1)(2)               | 1760                      | 1760                     | 2110              | 1285(1)(2)              | 2640                      | 2640                     | 3165              |
| 975                           | 330(1)(2)               | 830                       | 830                      | 1020              | 500(1)(2)               | 1250                      | 1250                     | 1535              | 655(1)(2)               | 1665                      | 1665                     | 2045              | 1000(1)(2)              | 2500                      | 2500                     | 3070              |
| 1000                          | 235(1)(2)               | 740                       | 695                      | 990               | 355(1)(2)               | 1115                      | 1040                     | 1485              | 475(1)(2)               | 1485                      | 1390                     | 1980              | 715(1)(2)               | 2230                      | 2085                     | 2975              |
| 1025                          | -                       | 630(1)                    | 595                      | 960               | -                       | 950(1)                    | 890                      | 1440              | -                       | 1265(1)                   | 1190                     | 1920              | -                       | 1900(1)                   | 1785                     | 2880              |
| 1050                          | -                       | 520(1)                    | 495                      | 925               | -                       | 785(1)                    | 740                      | 1390              | -                       | 1045(1)                   | 990                      | 1855              | -                       | 1570(1)                   | 1485                     | 2785              |
| 1075                          | -                       | 450(1)                    | 405                      | 895               | -                       | 675(1)                    | 605                      | 1345              | -                       | 900(1)                    | 810                      | 1790              | -                       | 1355(1)                   | 1215                     | 2690              |
| 1100                          | -                       | 380(1)                    | 315                      | 865               | -                       | 570(1)                    | 470                      | 1295              | -                       | 760(1)                    | 630                      | 1730              | -                       | 1145(1)                   | 945                      | 2595              |
| 1125                          | -                       | 310(1)(2)                 | 260                      | 830               | -                       | 465(1)(2)                 | 390                      | 1250              | -                       | 620(1)(2)                 | 520                      | 1665              | -                       | 930(1)(2)                 | 785                      | 2500              |
| 1150                          | -                       | 235(1)(2)                 | 210                      | 810               | -                       | 355(1)(2)                 | 315                      | 1215              | -                       | 475(1)(2)                 | 420                      | 1620              | -                       | 715(1)(2)                 | 630                      | 2430              |
| 1175                          | -                       | 175(1)(2)                 | 175                      | 725               | -                       | 265(1)(2)                 | 265                      | 1090              | -                       | 350(1)(2)                 | 350                      | 1455              | -                       | 530(1)(2)                 | 530                      | 2185              |
| 1200                          | -                       | 115(1)(2)                 | 140                      | 645               | -                       | 170(1)(2)                 | 215                      | 970               | -                       | 230(1)(2)                 | 285                      | 1295              | -                       | 345(1)(2)                 | 430                      | 1945              |

### NOTES:

- (1) Product used within the jurisdiction of Section 1, Power Boilers, of the ASME Boiler and Pressure Vessel Code is subject to the same maximum temperature limitations placed upon the material in Table P7, 1956 edition thereof.
- (2) Product used within the jurisdiction of Section 1, Power Piping, of the ASA Code for Pressure Piping, B31.1, is subject to the same maximum temperature limitations upon piping of the same general composition in Table 2a of ASA B31.1 - 1955.

Steel valves, flanges, fittings, and unions are classified by either the Primary Rating or the Cold Working Pressure Rating depending on the type of product. The Primary Rating is a pressure rating established by standards and accepted practice at an elevated temperature. The Cold Working Pressure Rating is the rating at ambient temperature (minus 20°F. to 100°F.). This rating is frequently referred to as the CWP (Cold Working Pressure) or WOG (Water, Oil, and Gas) Rating.