## Dimensional Data and Minimum Performance Properties of Casing

| OD | | Weight With Coupling | Wall Thickness | | ID | | Drift Diameter | | Coupling or Joint OD | | Grade | Collapse Resistance (psi) | Internal Yield Pressure (psi)● | | | Body Yield Strength (1,000 lb) | Joint Yield Strength (1,000 lb)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Round or Buttress | | | | Plain End or Extreme Line | Round Thread | | Buttress Thread | Threaded and Coupled Joint | |
| | | | | | | | | | | | | | | Short | Long | | Round Thread | |
| in. | mm | lb/ft | in. | mm | in. | mm | in. | mm | in. | mm | | | | | | | Short | Long |
| 4-1/2 | 114.3 | 9.50 | .205 | 5.21 | 4.090 | 103.9 | 3.965 | 100.7 | 5.000 | 127.0 | H-40 | 2,760 | 3,190 | 3,190 | - | - | 111 | 77 | - |
| | | | | | | | | | | | J-55<br>K-55 | 3,310 | 4,380 | 4,380 | | | 152 | 101<br>112 | |
| | | | | | | | | | | | M-65 | 3,600 | 5,180 | 5,180 | - | - | 180 | 118 | - |
| 4-1/2 | 114.3 | 10.50 | .224 | 5.69 | 4.052 | 102.9 | 3.927 | 99.75 | 5.000 | 127.0 | J-55<br>K-55 | 4,010 | 4,790 | 4,790 | - | 4,790 | 166 | 132<br>146 | - |
| | | | | | | | | | | | M-65 | 4,430 | 5,660 | 5,660 | - | 5,660 | 196 | 154 | - |
| 4-1/2 | 114.3 | 11.60 | .250 | 6.35 | 4.000 | 101.6 | 3.875 | 98.43 | 5.000 | 127.0 | J-55<br>K-55 | 4,960 | 5,350 | 5,350 | 5,350 | 5,350 | 184 | 154<br>170 | 162<br>180 |
| | | | | | | | | | | | M-65 | 5,560 | 6,320 | | 6,320 | 6,320 | 217 | | 188 |
| | | | | | | | | | | | L-80<br>N-80 | 6,350 | 7,780 | - | 7,780 | 7,780 | 267 | - | 211<br>222 |
| | | | | | | | | | | | C-90 | 6,820 | 8,750 | | 8,750 | 8,750 | 305 | | 222 |
| | | | | | | | | | | | C-95 | 7,030 | 9,240 | | 9,240 | 9,240 | 317 | | 234 |
| | | | | | | | | | | | T-95 | 7,030 | 9,240 | | 9,240 | 9,240 | 317 | | 234 |
| | | | | | | | | | | | P-110 | 7,580 | 10,690 | | 10,690 | 10,690 | 367 | | 278 |
| 4-1/2 | 114.3 | 13.50 | .290 | 7.37 | 3.920 | 99.60 | 3.795 | 96.39 | 5.000 | 127.0 | M-65 | 7,310 | 7,330 | - | 7,330 | 7,330 | 249 | - | 228 |
| | | | | | | | | | | | L-80<br>N-80 | 8,540 | 9,020 | | 9,020 | 9,020 | 307 | | 256<br>270 |
| | | | | | | | | | | | C-90 | 9,300 | 10,150 | | 10,150 | 10,150 | 300 | | 270 |
| | | | | | | | | | | | C-95 | 9,660 | 10,710 | | 10,710 | 10,710 | 364 | | 283 |
| | | | | | | | | | | | T-95 | 9,660 | 10,710 | | 10,710 | 10,710 | 364 | | 283 |
| | | | | | | | | | | | P-110 | 10,690 | 12,410 | | 12,410 | 12,410 | 422 | | 337 |
| 4-1/2 | 114.3 | 15.10 | .337 | 8.56 | 3.826 | 97.20 | 3.701 | 94.01 | 5.000 | 127.0 | P-110 | 14,340 | 14,420 | - | 14,420 | 13,460 | 485 | - | 405 |
| | | | | | | | | | | | Q-125 | 15,830 | 16,380 | | 16,380 | 15,300 | 551 | | 438 |
| 5 | 127.0 | 11.5 | .220 | 5.59 | 4.560 | 115.8 | 4.435 | 112.6 | 5.563 | 141.3 | J-55<br>K-55 | 3,060 | 4,240 | 4,240 | - | - | 182 | 133<br>147 | - |
| | | | | | | | | | | | M-65 | 3,290 | 5,010 | 5,010 | - | - | 215 | 155 | - |
| 5 | 127.0 | 13.0 | .253 | 6.43 | 4.494 | 114.1 | 4.369 | 111.0 | 5.563 | 141.3 | J-55<br>K-55 | 4,140 | 4,870 | 4,870 | 4,870 | 4,870 | 208 | 169<br>186 | 182<br>201 |
| | | | | | | | | | | | M-65 | 4,590 | 5,760 | 5,760 | 5,760 | 5,760 | 245 | 196 | 212 |
| 5 | 127.0 | 15.0 | .296 | 7.52 | 4.408 | 112.0 | 4.283 | 108.8 | 5.563 | 141.3 | J-55<br>K-55 | 5,560 | 5,700 | 5,700 | 5,700 | 5,700 | 241 | 207<br>228 | 223<br>246 |
| | | | | | | | | | | | M-65 | 6,280 | 6,730 | - | 6,730 | 6,730 | 284 | - | 259 |
| | | | | | | | | | | | L-80<br>N-80 | 7,250 | 8,290 | | 8,290 | 8,290 | 350 | | 295<br>310 |
| | | | | | | | | | | | C-90 | 7,830 | 9,320 | | 9,320 | 9,320 | 394 | | 310 |
| | | | | | | | | | | | C-95 | 8,110 | 9,840 | | 9,840 | 9,840 | 416 | | 326 |
| | | | | | | | | | | | T-95 | 8,110 | 9,840 | | 9,840 | 9,840 | 416 | | 326 |
| | | | | | | | | | | | P-110 | 8,850 | 11,400 | | 11,400 | 11,400 | 481 | | 388 |
| 5 | 127.0 | 18.0 | .362 | 9.19 | 4.276 | 108.6 | 4.151 | 105.4 | 5.563 | 141.3 | M-65 | 8,730 | 8,240 | - | 8,240 | 8,240 | 343 | - | 331 |
| | | | | | | | | | | | L-80<br>N-80 | 10,490 | 10,140 | | 10,140 | 9,910 | 422 | | 376<br>396 |
| | | | | | | | | | | | C-90 | 11,520 | 11,400 | | 11,400 | 11,150 | 475 | | 396 |
| | | | | | | | | | | | C-95 | 12,030 | 12,040 | | 12,040 | 11,770 | 501 | | 416 |
| | | | | | | | | | | | T-95 | 12,030 | 12,040 | | 12,040 | 11,770 | 501 | | 416 |
| | | | | | | | | | | | P-110 | 13,470 | 13,940 | | 13,940 | 13,620 | 580 | | 495 |
| | | | | | | | | | | | Q-125 | 14,820 | 15,840 | | 15,840 | 15,480 | 659 | | 534 |
| 5 | 127.0 | 21.4 | .437 | 11.10 | 4.126 | 104.8 | 4.001 | 101.6 | 5.563 | 141.3 | M-65 | 10,370 | 9,940 | - | 9,940 | 9,910 | 407 | - | 409 |
| | | | | | | | | | | | L-80<br>N-80 | 12,760 | 12,240 | | 10,810 | 9,910 | 501 | | 465<br>490 |
| | | | | | | | | | | | C-90 | 14,360 | 13,770 | | 12,170 | 11,150 | 564 | | 490 |
| | | | | | | | | | | | C-95 | 15,150 | 14,530 | | 12,840 | 11,770 | 595 | | 514 |
| | | | | | | | | | | | T-95 | 15,150 | 14,530 | | 12,840 | 11,770 | 595 | | 514 |
| | | | | | | | | | | | P-110 | 17,550 | 16,820 | | 14,870 | 13,620 | 689 | | 612 |
| | | | | | | | | | | | Q-125 | 19,940 | 19,120 | | 16,900 | 15,480 | 783 | | 661 |
| 5 | 127.0 | 23.2 | .478 | 12.14 | 4.044 | 102.7 | 3.919 | 99.54 | 5.563 | 141.3 | L-80<br>N-80 | 13,830 | 13,380 | - | 10,810 | 9,910 | 543 | - | 513<br>540 |
| | | | | | | | | | | | C-90 | 15,560 | 15,060 | | 12,170 | 11,150 | 611 | | 540 |
| | | | | | | | | | | | C-95 | 16,430 | 15,890 | | 12,840 | 11,770 | 645 | | 567 |
| | | | | | | | | | | | T-95 | 16,430 | 15,890 | | 12,840 | 11,770 | 645 | | 567 |
| | | | | | | | | | | | P-110 | 19,020 | 18,400 | | 14,870 | 13,620 | 747 | | 675 |
| | | | | | | | | | | | Q-125 | 21,620 | 20,910 | | 16,900 | 15,480 | 849 | | 729 |

* Some joint strengths listed are greater than the corresponding pipe body yield strength listed in the Body Yield Strength column

■ Collapse resistance values calculated by elastic formula

● Minimum internal yield pressure is the lowest of the internal yield pressure of the pipe or the internal yield pressure of the coupling.
The pressure leak resistance at the E1 or E7 plane is the lowest of the internal yield pressure at minimum yield. Leak resistance is as follows: For J-55 and K-55 casing the next higher grade is L-80, For N-80 casing the next higher grades is P-110, for P-110 casing the next higher grade is Q125, no higher grades have been established for other grades

## Dimensional Data and Minimum Performance Properties of Casing (Continued)

| OD | | Weight With Coupling | Wall Thickness | | ID | | Drift Diameter | | Coupling or Joint OD | | Grade | Collapse Resistance (psi) | Internal Yield Pressure (psi)● | | | | Body Yield Strength (1,000 lb) | Joint Yield Strength (1,000 lb)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Round or Buttress | | | | Plain End or Extreme Line | Round Thread | | Buttress Thread | | Threaded and Coupled Joint | |
| | | | | | | | | | | | | | | Short | Long | | | Round Thread | |
| in. | mm | lb/ft | in. | mm | in. | mm | in. | mm | in. | mm | | | | | | | | Short | Long |
| 5 | 127.0 | 24.1 | .500 | 12.7 | 4.000 | 101.6 | 3.875 | 98.4 | 5.563 | 141.3 | L-80<br>N-80 | 14,400 | 14,000 | | 10,810 | 9,910 | 565 | | 538<br>566 |
| | | | | | | | | | | | C-90 | 16,200 | 15,750 | | 12,170 | 11,150 | 636 | | 566 |
| | | | | | | | | | | | C-95 | 17,100 | 16,630 | - | 12,840 | 11,770 | 672 | - | 595 |
| | | | | | | | | | | | T-95 | 17,100 | 16,630 | | 12,840 | 11,770 | 672 | | 595 |
| | | | | | | | | | | | P-110 | 19,800 | 19,250 | | 14,870 | 13,620 | 778 | | 708 |
| | | | | | | | | | | | Q-125 | 22,500 | 21,880 | | 16,900 | 15,480 | 884 | | 765 |
| 5-1/2 | 139.7 | 14.0 | .244 | 6.20 | 5.012 | 127.7 | 4.887 | 124.1 | 6.050 | 153.7 | H-40 | 2,620 | 3,110 | 3,110 | | | 161 | 130 | |
| | | | | | | | | | | | J-55<br>K-55 | 3,120 | 4,270 | 4,270 | - | - | 222 | 172<br>189 | - |
| | | | | | | | | | | | M-65 | 3,360 | 5,050 | 5,050 | | | 262 | 200 | |
| 5-1/2 | 139.7 | 15.5 | .275 | 6.98 | 4.950 | 125.7 | 4.825 | 122.6 | 6.050 | 153.7 | J-55<br>K-55 | 4,040 | 4,810 | 4,810 | 4,810 | 4,810 | 248 | 202<br>222 | 217<br>239 |
| | | | | | | | | | | | M-65 | 4,470 | 5,690 | 5;690 | 5,690 | 5,690 | 293 | 235 | 253 |
| 5-1/2 | 139.7 | 17.0 | .304 | 7.72 | 4.892 | 124.3 | 4.767 | 121.1 | 6.050 | 153.7 | J-55<br>K-55 | 4,910 | 5,320 | 5,320 | 5,320 | 5,320 | 273 | 229<br>252 | 247<br>272 |
| | | | | | | | | | | | M-65 | 5,500 | 6,290 | | 6,290 | 6,290 | 323 | | 287 |
| | | | | | | | | | | | L-80 | 6,290 | 7,740 | | 7,740 | 7,740 | 397 | | 338 |
| | | | | | | | | | | | N-80 | 6,290 | 7,740 | | 7,740 | 7,740 | 397 | | 348 |
| | | | | | | | | | | | C-90 | 6,740 | 8,710 | - | 8,710 | 8,710 | 447 | - | 355 |
| | | | | | | | | | | | C-95 | 6,940 | 9,190 | | 9,190 | 9,190 | 471 | | 373 |
| | | | | | | | | | | | T-95 | 6,940 | 9,190 | | 9,190 | 9,190 | 471 | | 373 |
| | | | | | | | | | | | P-110 | 7,480 | 10,640 | | 10,640 | 10,640 | 546 | | 444 |
| 5-1/2 | 139.7 | 20.0 | .361 | 9.17 | 4.778 | 121.4 | 4.653 | 118.2 | 6.050 | 153.7 | M-65 | 7,540 | 7,470 | | 7,470 | 7,470 | 379 | | 353 |
| | | | | | | | | | | | L-80 | 8,830 | 9,190 | | 9,190 | 8,990 | 466 | | 416 |
| | | | | | | | | | | | N-80 | 8,830 | 9,190 | | 9,190 | 8,990 | 466 | | 428 |
| | | | | | | | | | | | C-90 | 9,630 | 10,340 | - | 10,340 | 10,120 | 525 | - | 438 |
| | | | | | | | | | | | C-95 | 10,020 | 10,910 | | 10,910 | 10,680 | 554 | | 460 |
| | | | | | | | | | | | T-95 | 10,020 | 10,910 | | 10,910 | 10,680 | 554 | | 460 |
| | | | | | | | | | | | P-110 | 11,100 | 12,640 | | 12,640 | 12,360 | 641 | | 547 |
| 5-1/2 | 139.7 | 23.0 | .415 | 10.54 | 4.670 | 118.6 | 4.545 | 115.4 | 6.050 | 153.7 | M-65 | 9,070 | 8,580 | | 8,580 | 8,580 | 431 | | 415 |
| | | | | | | | | | | | L-80 | 11,160 | 10,560 | | 9,880 | 8,990 | 530 | | 488 |
| | | | | | | | | | | | N-80 | 11,160 | 10,560 | | 9,880 | 8,990 | 530 | | 502 |
| | | | | | | | | | | | C-90 | 12,380 | 11,880 | | 11,110 | 10,120 | 597 | | 514 |
| | | | | | | | | | | | C-95 | 12,930 | 12,540 | - | 11,730 | 10,680 | 630 | - | 540 |
| | | | | | | | | | | | T-95 | 12,930 | 12,540 | | 11,730 | 10,680 | 630 | | 540 |
| | | | | | | | | | | | P-110 | 14,540 | 14,530 | | 13,580 | 12,360 | 729 | | 642 |
| | | | | | | | | | | | Q-125 | 16,060 | 16,510 | | 15,430 | 14,050 | 829 | | 694 |
| 5-1/2 | 139.7 | 26.8 | .500 | 12.70 | 4.500 | 114.3 | 4.375 | 111.1 | - | - | C-90 | 14,880 | 14,320 | - | - | - | 707 | - | - |
| | | | | | | | | | | | T-95 | 15,700 | 15,110 | | | | 746 | | |
| 5-1/2 | 139.7 | 29.7 | .562 | 14.27 | 4.376 | 111.1 | 4.251 | 108.0 | - | - | C-90 | 16,510 | 16,090 | - | - | - | 785 | - | - |
| | | | | | | | | | | | T-95 | 17,430 | 16,990 | | | | 828 | | |
| 5-1/2 | 139.7 | 32.6 | .625 | 15.87 | 4.250 | 108.0 | 4.125 | 104.8 | - | - | C-90 | 18,130 | 17,900 | - | - | - | 861 | - | - |
| | | | | | | | | | | | T-95 | 19,140 | 18,890 | | | | 909 | | |
| 5-1/2 | 139.7 | 35.3 | .687 | 17.45 | 4.126 | 104.8 | 4.001 | 101.6 | - | - | C-90 | 19,680 | 19,670 | - | - | - | 935 | - | - |
| | | | | | | | | | | | T-95 | 20,770 | 20,770 | | | | 987 | | |
| 5-1/2 | 139.7 | 38.0 | .750 | 19.05 | 4.000 | 101.6 | 3.875 | 98.4 | - | - | C-90 | 21,200 | 21,480 | - | - | - | 1,007 | - | - |
| | | | | | | | | | | | T-95 | 22,380 | 22,670 | | | | 1,063 | | |
| 5-1/2 | 139.7 | 40.5 | .812 | 20.62 | 3.876 | 98.5 | 3.751 | 95.3 | - | - | C-90 | 22,650 | 23,250 | - | - | - | 1,076 | - | - |
| | | | | | | | | | | | T-95 | 23,910 | 24,540 | | | | 1,136 | | |
| 5-1/2 | 139.7 | 43.10 | .875 | 22.22 | 3.750 | 95.2 | 3.625 | 92.1 | - | - | C-90 | 24,080 | 25,060 | - | - | - | 1,144 | - | - |
| | | | | | | | | | | | T-95 | 25,420 | 26,450 | - | - | - | 1,208 | - | - |
| 6-5/8 | 168.3 | 20.0 | .288 | 7.32 | 6.049 | 153.7 | 5.924 | 150.5 | 7.390 | 187.7 | H-40 | 2,520 | 3,040 | 3,040 | - | - | 229 | 184 | - |
| | | | | | | | | | | | J-55<br>K-55 | 2,970 | 4,180 | 4,180 | 4,180 | 4,180 | 315 | 245<br>267 | 266<br>290 |
| | | | | | | | | | | | M-65 | 3,190 | 4,940 | 4,940 | 4,940 | 4,940 | 373 | 285 | 309 |
| 6-5/8 | 168.3 | 24.0 | .352 | 8.94 | 5.921 | 150.4 | 5.796 | 147.2 | 7.390 | 187.7 | J-55<br>K-55 | 4,560 | 5,110 | 5,110 | 5,110 | 5,110 | 382 | 314<br>342 | 340<br>372 |
| | | | | | | | | | | | M-65 | 5,080 | 6,040 | | 6,040 | 6,040 | 451 | | 396 |
| | | | | | | | | | | | L-80 | 5,760 | 7,440 | | 7,440 | 7,440 | 555 | | 473 |
| | | | | | | | | | | | N-80 | 5,760 | 7,440 | | 7,440 | 7,440 | 555 | | 481 |
| | | | | | | | | | | | C-90 | 6,140 | 8,370 | - | 8,370 | 8,370 | 624 | - | 519 |
| | | | | | | | | | | | C-95 | 6,310 | 8,830 | | 8,830 | 8,830 | 659 | | 545 |
| | | | | | | | | | | | T-95 | 6,310 | 8,830 | | 8,830 | 8,830 | 659 | | 545 |
| | | | | | | | | | | | P-110 | 6,730 | 10,230 | | 10,230 | 10,230 | 763 | | 641 |

Refer to page 5-17 for footnote reference

## Dimensional Data and Minimum Performance Properties of Casing (Continued)

| OD | | Weight With Coupling | Wall Thickness | | ID | | Drift Diameter | | Coupling or Joint OD | | Grade | Collapse Resistance (psi) | Internal Yield Pressure (psi)● | | | | Body Yield Strength (1,000 lb) | Joint Yield Strength (1,000 lb)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Round or Buttress | | | | Plain End or Extreme Line | Round Thread | | Buttress Thread | | Threaded and Coupled Joint | |
| | | | | | | | | | | | | | | Short | Long | | | Round Thread | |
| in. | mm | lb/ft | in. | mm | in. | mm | in. | mm | in. | mm | | | | | | | | Short | Long |
| 6-5/8 | 168.3 | 28.0 | .417 | 10.59 | 5.791 | 147.1 | 5.666 | 143.9 | 7.390 | 187.7 | M-65 | 7,010 | 7,160 | - | 7,160 | 7,160 | 529 | - | 483 |
| | | | | | | | | | | | L-80 | 8,170 | 8,810 | | 8,810 | 8,810 | 651 | | 576 |
| | | | | | | | | | | | N-80 | 8,170 | 8,810 | | 8,810 | 8,810 | 651 | | 586 |
| | | | | | | | | | | | C-90 | 8,880 | 9,910 | | 9,910 | 9,910 | 732 | | 633 |
| | | | | | | | | | | | C-95 | 9,200 | 10,460 | | 10,460 | 10,460 | 773 | | 664 |
| | | | | | | | | | | | T-95 | 9,220 | 10,460 | | 10,460 | 10,460 | 773 | | 664 |
| | | | | | | | | | | | P-110 | 10,160 | 12,120 | | 12,120 | 12,120 | 895 | | 781 |
| 6-5/8 | 168.3 | 32.0 | .475 | 12.06 | 5.675 | 144.2 | 5.550 | 141.0 | 7.390 | 187.7 | L-80 | 10,320 | 10,040 | - | 10,040 | 9,820 | 734 | - | 666 |
| | | | | | | | | | | | N-80 | 10,320 | 10,040 | | 10,040 | 9,820 | 734 | | 677 |
| | | | | | | | | | | | C-90 | 11,330 | 11,290 | | 11,290 | 11,050 | 826 | | 732 |
| | | | | | | | | | | | C-95 | 11,820 | 11,920 | | 11,920 | 11,660 | 872 | | 769 |
| | | | | | | | | | | | T-95 | 11,820 | 11,920 | | 11,920 | 11,660 | 872 | | 769 |
| | | | | | | | | | | | P-110 | 13,220 | 13,800 | | 13,800 | 13,500 | 1,010 | | 904 |
| | | | | | | | | | | | Q-125 | 14,540 | 15,680 | | 15,680 | 15,340 | 1,147 | | 988 |
| 7 | 177.8 | 17.0 | .231 | 5.87 | 6.538 | 166.1 | 6.413 | 162.9 | 7.656 | 194.5 | H-40 | 1,420 | 2,310 | 2,310 | - | - | 196 | 122 | - |
| 7 | 177.8 | 20.0 | .272 | 6.91 | 6.456 | 164.0 | 6.331 | 160.8 | 7.656 | 194.5 | H-40 | 1,970 | 2,720 | 2,720 | - | - | 230 | 176 | - |
| | | | | | | | | | | | J-55<br>K-55 | 2,270 | 3,740 | 3,740 | | | 316 | 234<br>254 | |
| | | | | | | | | | | | M-65 | 2,480 | 4,420 | 4,420 | | | 374 | 272 | |
| 7 | 177.8 | 23.0 | .317 | 8.05 | 6.366 | 161.7 | 6.241 | 158.5 | 7.656 | 194.5 | J-55<br>K-55 | 3,270 | 4,360 | 4,360 | 4,360 | 4,360 | 366 | 284<br>309 | 313<br>341 |
| | | | | | | | | | | | M-65 | 3,540 | 5,150 | - | 5,150 | 5,150 | 433 | - | 364 |
| | | | | | | | | | | | L-80 | 3,830 | 6,340 | | 6,340 | 6,340 | 532 | | 435 |
| | | | | | | | | | | | N-80 | 3,830 | 6,340 | | 6,340 | 6,340 | 532 | | 442 |
| | | | | | | | | | | | C-90 | 4,030 | 7,130 | | 7,130 | 7,130 | 599 | | 479 |
| | | | | | | | | | | | C-95 | 4,140 | 7,530 | | 7,530 | 7,530 | 632 | | 505 |
| | | | | | | | | | | | T-95 | 4,140 | 7,530 | | 7,530 | 7,530 | 632 | | 505 |
| 7 | 177.8 | 26.0 | .362 | 9.19 | 6.276 | 159.4 | 6.151 | 156.2 | 7.656 | 194.5 | J-55<br>K-55 | 4,330 | 4,980 | 4,980 | 4,980 | 4,980 | 415 | 334<br>364 | 367<br>401 |
| | | | | | | | | | | | M-65 | 4,810 | 5,880 | - | 5,880 | 5,880 | 491 | - | 428 |
| | | | | | | | | | | | L-80 | 5,410 | 7,240 | | 7,240 | 7,240 | 604 | | 511 |
| | | | | | | | | | | | N-80 | 5,410 | 7,240 | | 7,240 | 7,240 | 604 | | 519 |
| | | | | | | | | | | | C-90 | 5,740 | 8,140 | | 8,140 | 8,140 | 679 | | 563 |
| | | | | | | | | | | | C-95 | 5,890 | 8,600 | | 8,600 | 8,600 | 717 | | 593 |
| | | | | | | | | | | | T-95 | 5,890 | 8,600 | | 8,600 | 8,600 | 717 | | 593 |
| | | | | | | | | | | | P-110 | 6,230 | 9,960 | | 9,960 | 9,960 | 830 | | 693 |
| 7 | 177.8 | 29.0 | .408 | 10.36 | 6.184 | 157.1 | 6.059 | 153.9 | 7.656 | 194.5 | M-65 | 6,100 | 6,630 | - | 6,630 | 6,630 | 549 | - | 492 |
| | | | | | | | | | | | L-80 | 7,030 | 8,160 | | 8,160 | 8,160 | 676 | | 587 |
| | | | | | | | | | | | N-80 | 7,030 | 8,160 | | 8,160 | 8,160 | 676 | | 597 |
| | | | | | | | | | | | C-90 | 7,580 | 9,180 | | 9,180 | 9,180 | 760 | | 648 |
| | | | | | | | | | | | C-95 | 7,840 | 9,690 | | 9,690 | 9,690 | 803 | | 683 |
| | | | | | | | | | | | T-95 | 7,840 | 9,690 | | 9,690 | 9,690 | 803 | | 683 |
| | | | | | | | | | | | P-110 | 8,530 | 11,220 | | 11,220 | 11,220 | 929 | | 797 |
| 7 | 177.8 | 32.0 | .453 | 11.51 | 6.094 | 154.8 | 5.969 | 151.6 | 7,656 | 194.5 | M-65 | 7,360 | 7,360 | - | 7,360 | 7,360 | 606 | - | 554 |
| | | | | | | | | | | | L-80 | 8,600 | 9,060 | | 9,060 | 8,460 | 745 | | 661 |
| | | | | | | | | | | | N-80 | 8,600 | 9,060 | | 9,060 | 8,460 | 745 | | 672 |
| | | | | | | | | | | | C-90 | 9,380 | 10,190 | | 10,190 | 9,520 | 839 | | 729 |
| | | | | | | | | | | | C-95 | 9,740 | 10,760 | | 10,760 | 10,050 | 885 | | 768 |
| | | | | | | | | | | | T-95 | 9,740 | 10,760 | | 10,760 | 10,050 | 885 | | 768 |
| | | | | | | | | | | | P-110 | 10,780 | 12,460 | | 12,460 | 11,640 | 1,025 | | 897 |
| 7 | 177.8 | 35.0 | .498 | 12.65 | 6.004 | 152.5 | 5.879 | 149.3 | 7.656 | 194.5 | L-80 | 10,180 | 9,960 | - | 9,240 | 8,460 | 814 | - | 734 |
| | | | | | | | | | | | N-80 | 10,180 | 9,960 | | 9,240 | 8,460 | 814 | | 746 |
| | | | | | | | | | | | C-90 | 11,170 | 11,210 | | 10,390 | 9,520 | 916 | | 809 |
| | | | | | | | | | | | C-95 | 11,650 | 11,830 | | 10,970 | 10,050 | 966 | | 853 |
| | | | | | | | | | | | T-95 | 11,650 | 11,830 | | 10,970 | 10,050 | 966 | | 853 |
| | | | | | | | | | | | P-110 | 13,030 | 13,700 | | 12,700 | 11,640 | 1,119 | | 996 |
| | | | | | | | | | | | Q-125 | 14,310 | 15,560 | | 14,430 | 13,220 | 1,272 | | 1,105 |
| 7 | 177.8 | 38.0 | .540 | 13.72 | 5.920 | 150.4 | 5.795 | 147.2 | 7.656 | 194.5 | L-80 | 11,390 | 10,800 | - | 9,240 | 8,460 | 877 | - | 801 |
| | | | | | | | | | | | N-80 | 11,390 | 10,800 | | 9,240 | 8,460 | 877 | | 814 |
| | | | | | | | | | | | C-90 | 12,810 | 12,150 | | 10,390 | 9,520 | 986 | | 883 |
| | | | | | | | | | | | C-95 | 13,430 | 12,830 | | 10,970 | 10,050 | 1,041 | | 931 |
| | | | | | | | | | | | T-95 | 13,430 | 12,830 | | 10,970 | 10,050 | 1,041 | | 931 |
| | | | | | | | | | | | P-110 | 15,130 | 14,850 | | 12,700 | 11,640 | 1,206 | | 1,087 |
| | | | | | | | | | | | Q-125 | 16,740 | 16,880 | | 14,430 | 13,220 | 1,370 | | 1,206 |
| 7 | 177.8 | 42.7 | .625 | 15.87 | 5.750 | 146.0 | 5.625 | 142.9 | - | - | C-90 | 14,640 | 14,060 | - | - | - | 1,127 | - | - |
| | | | | | | | | | | | T-95 | 15,450 | 14,840 | | | | 1,189 | | |

Refer to page 5-17 for footnote reference

## Dimensional Data and Minimum Performance Properties of Casing (Continued)

| OD | | Weight With Coupling | Wall Thickness | | ID | | Drift Diameter | | Coupling or Joint OD | | Grade | Collapse Resistance (psi) | Internal Yield Pressure (psi)● | | | | Body Yield Strength (1,000 lb) | Joint Yield Strength (1,000 lb)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Round or Buttress | | | | Plain End or Extreme Line | Round Thread | | Buttress Thread | | Threaded and Coupled Joint | |
| | | | | | | | | | | | | | | Short | Long | | | Round Thread | |
| in. | mm | lb/ft | in. | mm | in. | mm | in. | mm | in. | mm | | | | | | | | Short | Long |
| 7 | 177.8 | 46.4 | .687 | 17.45 | 5.626 | 142.9 | 5.501 | 139.7 | - | - | C-90 | 15,930 | 15,460 | - | - | - | 1,226 | - | - |
| | | | | | | | | | | | T-95 | 16,820 | 16,320 | | | | 1,294 | | |
| 7 | 177.8 | 50.1 | .750 | 19.05 | 5.500 | 139.7 | 5.375 | 136.5 | - | - | C-90 | 17,220 | 16,880 | - | - | - | 1,325 | - | - |
| | | | | | | | | | | | T-95 | 18,180 | 17,810 | | | | 1,399 | | |
| 7 | 177.8 | 53.6 | .812 | 20.62 | 5.376 | 136.5 | 5.251 | 133.4 | - | - | C-90 | 18,460 | 18,270 | - | - | - | 1,421 | - | - |
| | | | | | | | | | | | T-95 | 19,480 | 19,290 | | | | 1,500 | | |
| 7 | 177.8 | 57.1 | .875 | 22.22 | 5.250 | 133.4 | 5.125 | 130.2 | - | - | C-90 | 19,690 | 19,690 | - | - | - | 1,515 | - | - |
| | | | | | | | | | | | T-95 | 20,780 | 20,780 | | | | 1,600 | | |
| 7-5/8 | 193.7 | 24.0 | .300 | 7.62 | 7.025 | 178.4 | 6.900 | 175.3 | 8.500 | 215.9 | H-40 | 2,030 | 2,750 | 2,750 | - | - | 276 | 212 | - |
| 7-5/8 | 193.7 | 26.4 | .328 | 8.33 | 6.969 | 177.0 | 6.844 | 173.8 | 8.500 | 215.9 | J-55<br>K-55 | 2,900 | 4,140 | 4,140 | 4,140 | 4,140 | 414 | 315<br>342 | 346<br>377 |
| | | | | | | | | | | | M-65 | 3,100 | 4,890 | 4,890 | 4,890 | 4,890 | 489 | 368 | 403 |
| | | | | | | | | | | | L-80 | 3,400 | 6,020 | | 6,020 | 6,020 | 602 | | 482 |
| | | | | | | | | | | | N-80 | 3,400 | 6,020 | | 6,020 | 6,020 | 602 | | 490 |
| | | | | | | | | | | | C-90 | 3,610 | 6,780 | - | 6,780 | 6,780 | 677 | - | 532 |
| | | | | | | | | | | | C-95 | 3,710 | 7,150 | | 7,150 | 7,150 | 714 | | 560 |
| | | | | | | | | | | | T-95 | 3,710 | 7,150 | | 7,150 | 7,150 | 714 | | 560 |
| 7-5/8 | 193.7 | 29.7 | .375 | 9.52 | 6.875 | 174.7 | 6.750 | 171.5 | 8.500 | 215.9 | M-65 | 4,310 | 5,590 | | 5,590 | 5,590 | 555 | | 474 |
| | | | | | | | | | | | L-80 | 4,790 | 6,890 | | 6,890 | 6,890 | 683 | | 566 |
| | | | | | | | | | | | N-80 | 4,790 | 6,890 | | 6,890 | 6,890 | 683 | | 575 |
| | | | | | | | | | | | C-90 | 5,030 | 7,750 | - | 7,750 | 7,750 | 769 | - | 625 |
| | | | | | | | | | | | C-95 | 5,130 | 8,180 | | 8,180 | 8,180 | 811 | | 659 |
| | | | | | | | | | | | T-95 | 5,130 | 8,180 | | 8,180 | 8,180 | 811 | | 659 |
| | | | | | | | | | | | P-110 | 5,350 | 9,470 | | 9,470 | 9,470 | 940 | | 769 |
| 7-5/8 | 193.7 | 33.7 | .430 | 10.92 | 6.765 | 171.9 | 6.640 | 168.7 | 8.500 | 215.9 | M-65 | 5,720 | 6,410 | | 6,410 | 6,410 | 632 | | 556 |
| | | | | | | | | | | | L-80 | 6,560 | 7,900 | | 7,900 | 7,900 | 778 | | 664 |
| | | | | | | | | | | | N-80 | 6,560 | 7,900 | | 7,900 | 7,900 | 778 | | 674 |
| | | | | | | | | | | | C-90 | 7,050 | 8,880 | - | 8,880 | 8,880 | 875 | - | 733 |
| | | | | | | | | | | | C-95 | 7,280 | 9,380 | | 9,380 | 9,380 | 923 | | 772 |
| | | | | | | | | | | | T-95 | 7,280 | 9,380 | | 9,380 | 9,380 | 923 | | 772 |
| | | | | | | | | | | | P-110 | 7,870 | 10,860 | | 10,860 | 10,860 | 1,069 | | 901 |
| 7-5/8 | 193.7 | 39.0 | .500 | 12.70 | 6.625 | 168.3 | 6.500 | 165.1 | 8.500 | 215.9 | L-80<br>N-80 | 8,820 | 9,180 | | 9,180 | 9,180 | 895 | | 786<br>798 |
| | | | | | | | | | | | C-90 | 9,620 | 10,330 | | 10,330 | 10,330 | 1,007 | | 867 |
| | | | | | | | | | | | C-95 | 10,000 | 10,900 | - | 10,900 | 10,900 | 1,063 | - | 914 |
| | | | | | | | | | | | T-95 | 10,000 | 10,900 | | 10,900 | 10,900 | 1,063 | | 914 |
| | | | | | | | | | | | P-110 | 11,080 | 12,620 | | 12,620 | 12,620 | 1,231 | | 1066 |
| | | | | | | | | | | | Q-125 | 12,060 | 14,340 | | 14,340 | 14,340 | 1,399 | | 1194 |
| 7-5/8 | 193.7 | 42.8 | .562 | 14.27 | 6.501 | 165.1 | 6.376 | 161.9 | 8.500 | 215.9 | L-80<br>N-80 | 10,810 | 10,320 | | 10,320 | 9,790 | 998 | | 891<br>905 |
| | | | | | | | | | | | C-90 | 11,890 | 11,610 | | 11,610 | 11,010 | 1,122 | | 983 |
| | | | | | | | | | | | C-95 | 12,410 | 12,250 | - | 12,250 | 11,620 | 1,185 | - | 1,037 |
| | | | | | | | | | | | T-95 | 12,410 | 12,250 | | 12,250 | 11,620 | 1,185 | | 1,037 |
| | | | | | | | | | | | P-110 | 13,930 | 14,190 | | 14,190 | 13,460 | 1,372 | | 1,210 |
| | | | | | | | | | | | Q-125 | 15,350 | 1,6120 | | 16,120 | 15,290 | 1,559 | | 1,355 |
| 7-5/8 | 193.7 | 45.3 | .595 | 15.11 | 6.435 | 163.5 | 6.310 | 160.3 | 8.500 | 215.9 | L-80<br>N-80 | 11,510 | 10,920 | | 10,490 | 9,790 | 1,051 | | 947<br>962 |
| | | | | | | | | | | | C-90 | 12,950 | 12,290 | | 11,810 | 11,010 | 1,183 | | 1,045 |
| | | | | | | | | | | | C-95 | 13,670 | 12,970 | - | 12,460 | 11,620 | 1,248 | - | 1,101 |
| | | | | | | | | | | | T-95 | 13,670 | 12,970 | | 12,460 | 11,620 | 1,248 | | 1,101 |
| | | | | | | | | | | | P-110 | 15,440 | 15,020 | | 14,430 | 13,460 | 1,445 | | 1,285 |
| | | | | | | | | | | | Q-125 | 17,100 | 17,070 | | 16,400 | 15,290 | 1,643 | | 1,439 |
| 7-5/8 | 193.7 | 47.1 | .625 | 15.87 | 6.375 | 161.9 | 6.250 | 158.7 | 8.500 | 215.9 | L-80<br>N-80 | 12,040 | 11,480 | | 10,490 | 9,790 | 1,100 | | 997<br>1,013 |
| | | | | | | | | | | | C-90 | 13,540 | 12,910 | | 11,810 | 11,010 | 1,237 | | 1,100 |
| | | | | | | | | | | | C-95 | 14,300 | 13,630 | - | 12,460 | 11,620 | 1,306 | - | 1,159 |
| | | | | | | | | | | | T-95 | 14,300 | 13,630 | | 12,460 | 11,620 | 1,306 | | 1,159 |
| | | | | | | | | | | | P-110 | 16,550 | 15,780 | | 14,430 | 13,460 | 1,512 | | 1,353 |
| | | | | | | | | | | | Q-125 | 18,700 | 17,930 | | 16,400 | 15,290 | 1,718 | | 1,515 |
| 7-5/8 | 193.7 | 51.2 | .687 | 17.45 | 6.251 | 158.8 | 6.126 | 155.6 | - | - | C-90 | 14,760 | 14,190 | - | - | - | 1,348 | - | - |
| | | | | | | | | | | | T-95 | 15,580 | 14,980 | | | | 1,423 | | |
| 7-5/8 | 193.7 | 55.3 | .750 | 19.05 | 6.125 | 155.6 | 6.000 | 152.4 | - | - | C-90 | 15,960 | 15,490 | - | - | - | 1,458 | - | - |
| | | | | | | | | | | | T-95 | 16,850 | 16,350 | | | | 1,539 | | |

Refer to page 5-17 for footnote reference

## Dimensional Data and Minimum Performance Properties of Casing (Continued)

| OD | | Weight With Coupling | Wall Thickness | | ID | | Drift Diameter | | Coupling or Joint OD | | Grade | Collapse Resistance (psi) | Internal Yield Pressure (psi)● | | | | Body Yield Strength (1,000 lb) | Joint Yield Strength (1,000 lb)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Round or Buttress | | | | Plain End or Extreme Line | Round Thread | | Buttress Thread | | Threaded and Coupled Joint | |
| | | | | | | | | | | | | | | Short | Long | | | Round Thread | |
| in. | mm | lb/ft | in. | mm | in. | mm | in. | mm | in. | mm | | | | | | | | Short | Long |
| 7-3/4 | 196.8 | 46.1 | .595 | 15.11 | 6.560 | 166.6 | 6.435 | 163.5 | - | - | L-80 | 11,340 | 10,750 | - | - | - | 1,070 | - | - |
| | | | | | | | | | | | N-80 | 11,340 | 10,750 | | | | 1,070 | | |
| | | | | | | | | | | | C-90 | 12,750 | 12,090 | | | | 1,204 | | |
| | | | | | | | | | | | C-95 | 13,320 | 12,760 | | | | 1,271 | | |
| | | | | | | | | | | | T-95 | 13,320 | 12,760 | | | | 1,271 | | |
| | | | | | | | | | | | P-110 | 15,000 | 14,780 | | | | 1,471 | | |
| | | | | | | | | | | | Q-125 | 16,590 | 16,790 | | | | 1,672 | | |
| 8-5/8 | 219.1 | 24.0 | .264 | 6.71 | 8.097 | 205.7 | 7.972 | 202.5 | 9.625 | 244.5 | J-55<br>K-55 | 1,370 | 2,950 | 2,950 | - | - | 381 | 244<br>263 | - |
| | | | | | | | | | | | M-65 | 1,420 | 3,480 | 3,480 | | | 451 | 285 | |
| 8-5/8 | 219.1 | 28.0 | .304 | 7.72 | 8.017 | 203.7 | 7.892 | 200.5 | 9.625 | 244.5 | H-40 | 1,610 | 2,470 | 2,470 | - | - | 318 | 233 | - |
| | | | | | | | | | | | M-65 | 2,020 | 4,010 | 4,010 | | | 517 | 362 | |
| 8-5/8 | 219.1 | 32.0 | .352 | 8.94 | 7.921 | 201.2 | 7.796 | 198.0 | 9.625 | 244.5 | H-40 | 2,200 | 2,860 | 2,860 | - | - | 366 | 279 | - |
| | | | | | | | | | | | J-55<br>K-55 | 2,530 | 3,930 | 3,930 | 3,930 | 3,930 | 503 | 372<br>402 | 417<br>452 |
| | | | | | | | | | | | M-65 | 2,740 | 4,640 | 4,640 | 4,640 | 4,640 | 595 | 435 | 487 |
| 8-5/8 | 219.1 | 36.0 | .400 | 10.16 | 7.825 | 198.8 | 7.700 | 195.6 | 9.625 | 244.5 | J-55<br>K-55 | 3,450 | 4,460 | 4,460 | 4,460 | 4,460 | 568 | 434<br>468 | 486<br>526 |
| | | | | | | | | | | | M-65 | 3,760 | 5,280 | 5,280 | 5,280 | 5,280 | 672 | 506 | 567 |
| | | | | | | | | | | | L-80<br>N-80 | 4,100<br>4,100 | 6,490<br>6,490 | - | 6,490<br>6,490 | 6,490<br>6,490 | 827<br>827 | - | 678<br>688 |
| | | | | | | | | | | | C-90 | 4,250 | 7,300 | | 7,300 | 7,300 | 930 | | 749 |
| | | | | | | | | | | | C-95 | 4,350 | 7,710 | | 7,710 | 7,710 | 982 | | 789 |
| | | | | | | | | | | | T-95 | 4,350 | 7,710 | | 7,710 | 7,710 | 982 | | 789 |
| 8-5/8 | 219.1 | 40.0 | .450 | 11.43 | 7.725 | 196.2 | 7.600 | 193.0 | 9.625 | 244.5 | M-65 | 4,900 | 5,930 | - | 5,930 | 5,930 | 751 | - | 649 |
| | | | | | | | | | | | L-80<br>N-80 | 5,520 | 7,300 | | 7,300 | 7,300 | 925 | | 776<br>788 |
| | | | | | | | | | | | C-90 | 5,870 | 8,220 | | 8,220 | 8,220 | 1,040 | | 858 |
| | | | | | | | | | | | C-95 | 6,020 | 8,670 | | 8,670 | 8,670 | 1,098 | | 904 |
| | | | | | | | | | | | T-95 | 6,020 | 8,670 | | 8,670 | 8,670 | 1,098 | | 904 |
| | | | | | | | | | | | P-110 | 6,390 | 10,040 | | 10,040 | 10,040 | 1,271 | | 1,055 |
| 8-5/8 | 219.1 | 44.0 | .500 | 12.70 | 7.625 | 193.7 | 7.500 | 190.5 | 9.625 | 244.5 | L-80<br>N-80 | 6,950 | 8,120 | - | 8,120 | 8,120 | 1,021 | - | 874<br>887 |
| | | | | | | | | | | | C-90 | 7,490 | 9,130 | | 9,130 | 9,130 | 1,149 | | 965 |
| | | | | | | | | | | | C-95 | 7,740 | 9,640 | | 9,640 | 9,640 | 1,212 | | 1,017 |
| | | | | | | | | | | | T-95 | 7,740 | 9,640 | | 9,640 | 9,640 | 1,212 | | 1,017 |
| | | | | | | | | | | | P-110 | 8,420 | 11,160 | | 11,160 | 11,160 | 1,404 | | 1,186 |
| 8-5/8 | 219.1 | 49.0 | .557 | 14.15 | 7.511 | 190.8 | 7.386 | 187.6 | 9.625 | 244.5 | L-80<br>N-80 | 8,570 | 9,040 | - | 9,040 | 9,040 | 1,129 | - | 983<br>997 |
| | | | | | | | | | | | C-90 | 9,340 | 10,170 | | 10,170 | 10,170 | 1,271 | | 1,085 |
| | | | | | | | | | | | C-95 | 9,700 | 10,740 | | 10,740 | 10,740 | 1,341 | | 1,144 |
| | | | | | | | | | | | T-95 | 9,700 | 10,740 | | 10,740 | 10,740 | 1,341 | | 1,144 |
| | | | | | | | | | | | P-110 | 10,730 | 12,430 | | 12,430 | 12,430 | 1,553 | | 1,335 |
| | | | | | | | | | | | Q-125 | 11,660 | 14,130 | | 14,130 | 14,130 | 1,765 | | 1,496 |
| 9-5/8 | 244.5 | 32.3 | .312 | 7.92 | 9.001 | 228.7 | 8.845 | 224.7 | 10.625 | 269.9 | H-40 | 1,370 | 2,270 | 2,270 | - | - | 365 | 254 | - |
| 9-5/8 | 244.5 | 36.0 | .352 | 8.94 | 8.921 | 226.6 | 8.765 | 222.6 | 10,625 | 269.9 | H-40 | 1,720 | 2,560 | 2,560 | - | - | 410 | 294 | - |
| | | | | | | | | | | | J-55<br>K-55 | 2,020 | 3,520 | 3,520 | 3,520 | 3,520 | 564 | 394<br>423 | 453<br>489 |
| | | | | | | | | | | | M-65 | 2,190 | 4,160 | 4,160 | 4,160 | 4,160 | 667 | 460 | 529 |
| 9-5/8 | 244.5 | 40.0 | .395 | 10.03 | 8.835 | 224.4 | 8.679 | 220.4 | 10.625 | 269.9 | J-55<br>K-55 | 2,570 | 3,950 | 3,950 | 3,950 | 3,950 | 630 | 452<br>486 | 520<br>561 |
| | | | | | | | | | | | M-65 | 2,770 | 4,670 | 4,670 | 4,670 | 4,670 | 744 | 528 | 607 |
| | | | | | | | | | | | L-80<br>N-80 | 3,090 | 5,750 | - | 5,750 | 5,750 | 916 | - | 727<br>737 |
| | | | | | | | | | | | C-90 | 3,260 | 6,460 | | 6,460 | 6,460 | 1,031 | | 804 |
| | | | | | | | | | | | C-95 | 3,330 | 6,820 | | 6,820 | 6,820 | 1,088 | | 847 |
| | | | | | | | | | | | T-95 | 3,330 | 6,820 | | 6,820 | 6,820 | 1,088 | | 847 |
| 9-5/8 | 244.5 | 43.5 | .435 | 11.05 | 8.755 | 222.4 | 8.599 | 218.4 | 10.625 | 269.9 | M-65 | 3,530 | 5,140 | - | 5,140 | 5,140 | 816 | - | 679 |
| | | | | | | | | | | | L-80<br>N-80 | 3,810 | 6,330 | | 6,330 | 6,330 | 1,005 | | 813<br>825 |
| | | | | | | | | | | | C-90 | 4,010 | 7,120 | | 7,120 | 7,120 | 1,130 | | 899 |
| | | | | | | | | | | | C-95 | 4,130 | 7,510 | | 7,510 | 7,510 | 1,193 | | 948 |
| | | | | | | | | | | | T-95 | 4,130 | 7,510 | | 7,510 | 7,510 | 1,193 | | 948 |
| | | | | | | | | | | | P-110 | 4,420 | 8,700 | | 8,700 | 8,700 | 1,381 | | 1,105 |

Refer to page 5-17 for footnote reference

## Dimensional Data and Minimum Performance Properties of Casing (Continued)

| OD | | Weight With Coupling | Wall Thickness | | ID | | Drift Diameter | | Coupling or Joint OD | | Grade | Collapse Resistance (psi) | Internal Yield Pressure (psi)● | | | | Body Yield Strength (1,000 lb) | Joint Yield Strength (1,000 lb)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Round or Buttress | | | | Plain End or Extreme Line | Round Thread | | Buttress Thread | | Threaded and Coupled Joint | |
| | | | | | | | | | | | | | | Short | Long | | | Round Thread | |
| in. | mm | lb/ft | in. | mm | in. | mm | in. | mm | in. | mm | | | | | | | | Short | Long |
| 9-5/8 | 244.5 | 47.0 | .472 | 11.99 | 8.681 | 220.5 | 8.525 | 216.5 | 10.625 | 269.9 | M-65 | 4,280 | 5,580 | - | 5,580 | 5,580 | 882 | - | 745 |
| | | | | | | | | | | | L-80<br>N-80 | 4,750 | 6,870 | | 6,870 | 6,870 | 1,086 | | 893<br>905 |
| | | | | | | | | | | | C-90 | 4,990 | 7,720 | | 7,720 | 7,720 | 1,222 | | 987 |
| | | | | | | | | | | | C-95 | 5,090 | 8,150 | | 8,150 | 8,150 | 1,289 | | 1,040 |
| | | | | | | | | | | | T-95 | 5,090 | 8,150 | | 8,150 | 8,150 | 1,289 | | 1,040 |
| | | | | | | | | | | | P-110 | 5,310 | 9,440 | | 9,440 | 9,440 | 1,493 | | 1,213 |
| | | | | | | | | | | | Q-125 | 5,630 | 10,730 | | 10,730 | 10,730 | 1,697 | | 1,360 |
| 9-5/8 | 244.5 | 53.0 | .545 | 13.84 | 8.535 | 216.8 | 8.379 | 212.8 | 10.625 | 269.9 | T-95<br>C-95 | 7,340 | 9,410 | - | 9,410 | 9,410 | 1,477 | - | 1,220 |
| 9-5/8 | 244.5 | 53.5 | .545 | 13.84 | 8.535 | 216.8 | 8.379 | 212.8 | 10.625 | 269.9 | L-80<br>N-80 | 6,620 | 7,930 | - | 7,930 | 7,930 | 1,244 | - | 1,047<br>1,062 |
| | | | | | | | | | | | C-90 | 7,110 | 8,920 | | 8,920 | 8,920 | 1,399 | | 1,157 |
| | | | | | | | | | | | P-110 | 7,950 | 10,900 | | 10,900 | 10,900 | 1,710 | | 1,422 |
| | | | | | | | | | | | Q-125 | 8,440 | 12,390 | | 12,390 | 12,390 | 1,943 | | 1,595 |
| 9-5/8 | 244.5 | 58.4 | .595 | 15.11 | 8.435 | 214.2 | 8.279 | 210.3 | 10.625 | 269.9 | L-80 | 7,890 | 8,650 | - | 8,650 | 8,650 | 1,350 | - | 1,151 |
| | | | | | | | | | | | N-80 | 7,890 | 8,650 | | 8,650 | 8,650 | 1,350 | | 1,167 |
| | | | | | | | | | | | C-90 | 8,570 | 9,740 | | 9,740 | 9,740 | 1,519 | | 1,272 |
| | | | | | | | | | | | C-95 | 8,890 | 10,280 | | 10,280 | 10,280 | 1,604 | | 1,341 |
| | | | | | | | | | | | T-95 | 8,890 | 10,280 | | 10,280 | 10,280 | 1,604 | | 1,341 |
| | | | | | | | | | | | P-110 | 9,770 | 11,900 | | 11,900 | 11,900 | 1,857 | | 1,563 |
| | | | | | | | | | | | Q-125 | 10,540 | 13,520 | | 13,520 | 13,520 | 2,110 | | 1,754 |
| 9-5/8 | 244.5 | 59.4 | .609 | 15.47 | 8.407 | 213.5 | 8.251 | 209.6 | - | - | C-90 | 8,970 | 9,970 | - | - | - | 1,552 | - | - |
| | | | | | | | | | | | T-95 | 9,320 | 10,520 | | | | 1,639 | | |
| 9-5/8 | 244.5 | 64.9 | .672 | 17.07 | 8.281 | 210.3 | 8.125 | 206.4 | - | - | C-90 | 10,800 | 11,000 | - | - | - | 1,701 | - | - |
| | | | | | | | | | | | T-95 | 11,260 | 11,610 | | | | 1,796 | | |
| 9-5/8 | 244.5 | 70.3 | .734 | 18.64 | 8.157 | 207.2 | 8.001 | 203.2 | - | - | C-90 | 12,600 | 12,010 | - | - | - | 1,845 | - | - |
| | | | | | | | | | | | T-95 | 13,170 | 12,680 | | | | 1,948 | | |
| 9-5/8 | 244.5 | 75.6 | .797 | 20.24 | 8.031 | 204.0 | 7.875 | 200.0 | - | - | C-90 | 13,670 | 13,040 | - | - | - | 1,989 | - | - |
| | | | | | | | | | | | T-95 | 14,430 | 13,770 | | | | 2,100 | | |
| 10-3/4 | 273.0 | 32.75 | .279 | 7.09 | 10.192 | 258.8 | 10.036 | 254.9 | 11.750 | 298.5 | H-40 | 840 | 1,820 | 1,820 | - | - | 367 | 205 | - |
| 10-3/4 | 273.0 | 40.5 | .350 | 8.89 | 10.050 | 255.3 | 9.894 | 251.3 | 11.750 | 298.5 | H-40 | 1,390 | 2,280 | 2,280 | - | - | 457 | 314 | - |
| | | | | | | | | | | | J-55<br>K-55 | 1,580 | 3,130 | 3,130 | | 3,130 | 629 | 420<br>450 | |
| | | | | | | | | | | | M-65 | 1,670 | 3,700 | 3,700 | | 3,700 | 743 | 491 | |
| 10-3/4 | 273.0 | 45.5 | .400 | 10.16 | 9.950 | 252.7 | 9.794 | 248.5 | 11.750 | 298.8 | J-55<br>K-55 | 2,090 | 3,580 | 3,580 | - | 3,580 | 715 | 493<br>528 | - |
| | | | | | | | | | | | M-65 | 2,270 | 4,230 | 4,230 | | 4,230 | 845 | 576 | |
| 10-3/4 | 273.0 | 51.0 | .450 | 11.43 | 9.850 | 250.1 | 9.694 | 246.2 | 11.750 | 298.5 | J-55<br>K-55 | 2,710 | 4,030 | 4,030 | - | 4,030 | 801 | 565<br>606 | - |
| | | | | | | | | | | | M-65 | 2,870 | 4,760 | 4,760 | | 4,760 | 946 | 661 | |
| | | | | | | | | | | | L-80<br>N-80 | 3,220 | 5,860 | 5,860 | | 5,860 | 1,165 | 794<br>804 | |
| | | | | | | | | | | | C-90 | 3,400 | 6,590 | 6,590 | | 6,590 | 1,311 | 879 | |
| | | | | | | | | | | | C-95 | 3,480 | 6,960 | 6,960 | | 6,960 | 1,383 | 927 | |
| | | | | | | | | | | | T-95 | 3,480 | 6,960 | 6,960 | | 6,960 | 1,383 | 927 | |
| | | | | | | | | | | | P-110 | 3,660 | 8,060 | 8,060 | | 8,060 | 1,602 | 1,079 | |
| 10-3/4 | 273.0 | 55.5 | .495 | 12.57 | 9.760 | 247.9 | 9.604 | 243.9 | 11.750 | 298.5 | M-65 | 2,870 | 4,760 | 4,760 | - | 4,760 | 946 | 661 | - |
| | | | | | | | | | | | L-80<br>N-80 | 4,020 | 6,450 | 6,450 | | 6,450 | 1,276 | 884<br>895 | |
| | | | | | | | | | | | C-90 | 4,160 | 7,250 | 7,250 | | 7,250 | 1,435 | 979 | |
| | | | | | | | | | | | C-95 | 4,290 | 7,660 | 7,660 | | 7,660 | 1,515 | 1,032 | |
| | | | | | | | | | | | T-95 | 4,290 | 7,660 | 7,660 | | 7,660 | 1,515 | 1,032 | |
| | | | | | | | | | | | P-110 | 4,610 | 8,860 | 8,860 | | 8,860 | 1,754 | 1,202 | |
| 10-3/4 | 273.0 | 60.7 | .545 | 13.84 | 9.660 | 245.4 | 9.504 | 241.4 | 11.750 | 298.5 | C-90 | 5,460 | 7,980 | 7,980 | - | 7,980 | 1,573 | 1,089 | - |
| | | | | | | | | | | | T-95 | 5,580 | 8,430 | 8,430 | | 8,430 | 1,660 | 1,148 | |
| | | | | | | | | | | | P-110 | 5,880 | 9,760 | 9,760 | | 9,760 | 1,922 | 1,337 | |
| | | | | | | | | | | | Q-125 | 6,070 | 11,090 | 11,090 | | 11,090 | 2,184 | 1,502 | |
| 10-3/4 | 273.0 | 65.7 | .595 | 15.11 | 9.560 | 242.8 | 9.404 | 238.9 | 11.750 | 298.5 | C-90 | 6,760 | 8,720 | 8,720 | - | 8,720 | 1,708 | 1,198 | - |
| | | | | | | | | | | | T-95 | 6,970 | 9,200 | 9,200 | | 9,200 | 1,803 | 1,263 | |
| | | | | | | | | | | | P-110 | 7,500 | 10,650 | 10,650 | | 10,650 | 2,088 | 1,471 | |
| | | | | | | | | | | | Q-125 | 7,920 | 12,110 | 12,110 | | 12,110 | 2,373 | 1,652 | |
| 10-3/4 | 273.0 | 73.2 | .672 | 17.07 | 9.406 | 238.9 | 9.250 | 234.9 | - | - | C-90 | 8,760 | 9,850 | - | - | - | 1,915 | - | - |
| | | | | | | | | | | | T-95 | 9,090 | 10,390 | | | | 2,021 | | |
| 10-3/4 | 273.0 | 79.2 | .734 | 18.64 | 9.282 | 235.8 | 9.126 | 231.8 | - | - | C-90 | 10,370 | 10,750 | - | - | - | 2,079 | - | - |
| | | | | | | | | | | | T-95 | 10,800 | 11,350 | | | | 2,194 | | |

Refer to page 5-17 for footnote reference

## Dimensional Data and Minimum Performance Properties of Casing (Continued)

| OD | | Weight With Coupling | Wall Thickness | | ID | | Drift Diameter | | Coupling or Joint OD | | Grade | Collapse Resistance (psi) | Internal Yield Pressure (psi)● | | | | Body Yield Strength (1,000 lb) | Joint Yield Strength (1,000 lb)★ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Round or Buttress | | | | Plain End or Extreme Line | Round Thread | | Buttress Thread | | Threaded and Coupled Joint | |
| | | | | | | | | | | | | | | Short | Long | | | Round Thread | |
| in. | mm | lb/ft | in. | mm | in. | mm | in. | mm | in. | mm | | | | | | | | Short | Long |
| 10-3/4 | 273.0 | 85.3 | .797 | 20.24 | 9.156 | 232.6 | 9.000 | 228.6 | - | - | C-90 | 12,010 | 11,680 | - | - | - | 2,243 | - | - |
| | | | | | | | | | | | T-95 | 12,540 | 12,330 | | | | 2,367 | | |
| 11-3/4 | 298.5 | 42.0 | .333 | 8.46 | 11.084 | 281.5 | 10.928 | 277.6 | 12.750 | 323.9 | H-40 | 1,040 | 1,980 | 1,980 | - | - | 478 | 307 | - |
| 11-3/4 | 298.5 | 47.0 | .375 | 9.52 | 11.000 | 279.4 | 10.844 | 275.4 | 12.750 | 323.9 | J-55<br>K-55 | 1,510 | 3,070 | 3.070 | - | 3,070 | 737 | 477<br>509 | - |
| | | | | | | | | | | | M-65 | 1,590 | 3,630 | 3,630 | | 3,630 | 871 | 557 | |
| 11-3/4 | 298.5 | 54.0 | .435 | 11.05 | 10.880 | 276.3 | 10.724 | 272.4 | 12.750 | 323.9 | J-55<br>K-55 | 2,070 | 3,560 | 3,560 | - | 3,560 | 850 | 568<br>606 | - |
| | | | | | | | | | | | M-65 | 2,250 | 4,210 | 4,210 | | 4,210 | 1,005 | 664 | |
| 11-3/4 | 298.5 | 60.0 | .489 | 12.42 | 10.772 | 273.6 | 10.616 | 269.6 | 12.750 | 323.9 | J-55<br>K-55 | 2,670 | 4,010 | 4,010 | - | 4,010 | 951 | 649<br>693 | - |
| | | | | | | | | | | | M-65 | 2,840 | 4,730 | 4,730 | | 4,730 | 1,124 | 759 | |
| | | | | | | | | | | | L-80<br>N-80 | 3,180 | 5,830 | 5,830 | | 5,830 | 1,384 | 913<br>924 | |
| | | | | | | | | | | | C-90 | 3,360 | 6,550 | 6,550 | | 6,550 | 1,557 | 1,011 | |
| | | | | | | | | | | | C-95 | 3,440 | 6,920 | 6,920 | | 6,920 | 1,643 | 1,066 | |
| | | | | | | | | | | | T-95 | 3,440 | 6,920 | 6,920 | | 6,920 | 1,643 | 1,066 | |
| | | | | | | | | | | | P-110 | 3,610 | 8,010 | 8,010 | | 8,010 | 1,903 | 1,242 | |
| | | | | | | | | | | | Q-125 | 3,680 | 9,100 | 9,100 | | 9,100 | 2,162 | 1,395 | |
| 11-3/4 | 298.5 | 65.0 | .534 | 13.56 | 10.682 | 271.3 | 10.526 | 267.4 | - | - | L-80 | 3,870 | 6,360 | - | - | - | 1,505 | - | - |
| | | | | | | | | | | | N-80 | 3,870 | 6,360 | | | | 1,505 | | |
| | | | | | | | | | | | C-90 | 4,060 | 7,160 | | | | 1,693 | | |
| | | | | | | | | | | | C-95 | 4,170 | 7,560 | | | | 1,788 | | |
| | | | | | | | | | | | T-95 | 4,170 | 7,560 | | | | 1,788 | | |
| | | | | | | | | | | | P-110 | 4,480 | 8,750 | | | | 2,070 | | |
| | | | | | | | | | | | Q-125 | 4,690 | 9,940 | | | | 2,352 | | |
| 11-3/4 | 298.5 | 71.0 | .582 | 14.78 | 10.586 | 268.9 | 10.430 | 264.9 | - | - | L-80 | 4,880 | 6,930 | - | - | - | 1,634 | - | - |
| | | | | | | | | | | | C-90 | 5,130 | 7,800 | | | | 1,838 | | |
| | | | | | | | | | | | C-95 | 5,240 | 8,230 | | | | 1,940 | | |
| | | | | | | | | | | | N-80 | 4,880 | 6,930 | | | | 1,634 | | |
| | | | | | | | | | | | T-95 | 5,240 | 8,230 | | | | 1,940 | | |
| | | | | | | | | | | | P-110 | 5,470 | 9,530 | | | | 2,246 | | |
| | | | | | | | | | | | Q-125 | 5,760 | 10,840 | | | | 2,552 | | |
| 13-3/8 | 339.7 | 48.0 | .330 | 8.38 | 12.715 | 323.0 | 12.559 | 319.0 | 14.375 | 365.1 | H-40 | 740 | 1,730 | 1,730 | - | - | 541 | 322 | - |
| 13-3/8 | 339.7 | 54.5 | .380 | 9.65 | 12.615 | 320.4 | 12.459 | 316.5 | 14.375 | 365.1 | J-55<br>K-55 | 1,130 | 2,730 | 2,730 | - | 2,730 | 853 | 514<br>547 | - |
| | | | | | | | | | | | M-65 | 1,140■ | 3,230 | 3,230 | | 3,230 | 1,008 | 602 | |
| 13-3/8 | 339.7 | 61.0 | .430 | 10.92 | 12.515 | 317.9 | 12.359 | 313.9 | 14.375 | 365.1 | J-55<br>K-55 | 1,540 | 3,090 | 3,090 | - | 3,090 | 962 | 595<br>633 | - |
| | | | | | | | | | | | M-65 | 1,620 | 3,660 | 3,660 | | 3,660 | 1,137 | 697 | |
| 13-3/8 | 339.7 | 68.0 | .480 | 12.19 | 12.415 | 315.3 | 12.259 | 311.4 | 14.375 | 365.1 | J-55<br>K-55 | 1,950 | 3,450 | 3,450 | - | 3,450 | 1,069 | 675<br>718 | - |
| | | | | | | | | | | | M-65 | 2,100 | 4,080 | 4,080 | | 4,080 | 1,264 | 790 | |
| | | | | | | | | | | | L-80<br>N-80 | 2,260 | 5,020 | 5,020 | | 5,020 | 1,556 | 952<br>963 | |
| | | | | | | | | | | | C-90 | 2,320 | 5,650 | 5,650 | | 5,650 | 1,750 | 1,057 | |
| | | | | | | | | | | | C-95 | 2,330 | 5,970 | 5,970 | | 5,970 | 1,847 | 1,114 | |
| | | | | | | | | | | | T-95 | 2,330 | 5,970 | 5,970 | | 5,970 | 1,847 | 1,114 | |
| | | | | | | | | | | | P-110 | 2,330■ | 6,910 | 6,910 | | 6,910 | 2,139 | 1,297 | |
| 13-3/8 | 339.7 | 72.0 | .514 | 13.06 | 12.347 | 313.6 | 12.191 | 309.7 | 14.375 | 365.1 | L-80<br>N-80 | 2,670 | 5,380 | 5,380 | - | 5,380 | 1,661 | 1,029<br>1,040 | - |
| | | | | | | | | | | | C-90 | 2,780 | 6,050 | 6,050 | | 6,050 | 1,869 | 1,142 | |
| | | | | | | | | | | | C-95 | 2,820 | 6,390 | 6,390 | | 6,390 | 1,973 | 1,204 | |
| | | | | | | | | | | | T-95 | 2,820 | 6,390 | 6,390 | | 6,390 | 1,973 | 1,204 | |
| | | | | | | | | | | | P-110 | 2,880 | 7,400 | 7,400 | | 7,400 | 2,284 | 1,401 | |
| | | | | | | | | | | | Q-125 | 2,880■ | 8,410 | 8,410 | | 8,410 | 2,596 | 1,576 | |
| 16 | 406.4 | 65.0 | .375 | 9.52 | 15.250 | 387.4 | 15.062 | 382.6 | 17.000 | 431.8 | H-40 | 630■ | 1,640 | 1,640 | - | - | 736 | 439 | - |
| 16 | 406.4 | 75.0 | .438 | 11.13 | 15.124 | 384.1 | 14.936 | 379.4 | 17.000 | 431.8 | J-55<br>K-55 | 1,020 | 2,630 | 2,630 | - | 2,630 | 1,178 | 710<br>752 | - |
| | | | | | | | | | | | M-65 | 1,020■ | 3,110 | 3,110 | | 3,110 | 1,392 | 832 | |
| 16 | 406.4 | 84.0 | .495 | 12.57 | 15.010 | 381.3 | 14.822 | 376.5 | 17.000 | 431.8 | J-55<br>K-55 | 1,410 | 2,980 | 2,980 | - | 2,980 | 1,326 | 817<br>865 | - |
| | | | | | | | | | | | M-65 | 1,460 | 3,520 | 3,520 | | 3,520 | 1,567 | 957 | |

Refer to page 5-17 for footnote reference

## Dimensional Data and Minimum Performance Properties of Casing (Continued)

| OD | | Weight With Coupling | Wall Thickness | | ID | | Drift Diameter | | Coupling or Joint OD | | Grade | Collapse Resistance (psi) | Internal Yield Pressure (psi)● | | | | Body Yield Strength (1,000 lb) | Joint Yield Strength (1,000 lb)* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Round or Buttress | | | | Plain End or Extreme Line | Round Thread | | Buttress Thread | | Threaded and Coupled Joint | |
| | | | | | | | | | | | | | | Short | Long | | | Round Thread | |
| in. | mm | lb/ft | in. | mm | in. | mm | in. | mm | in. | mm | | | | | | | | Short | Long |
| 16 | 406.4 | 109.0 | .656 | 16.66 | 14.688 | 373.1 | 14.500 | 368.3 | - | - | J-55 | 2,560 | 3,950 | - | - | - | 1,739 | - | - |
| | | | | | | | | | | | K-55 | 2,560 | 3,950 | | | | 1,739 | | |
| | | | | | | | | | | | L-80 | 3,080 | 5,740 | | | | 2,530 | | |
| | | | | | | | | | | | N-80 | 3,080 | 5,740 | | | | 2,530 | | |
| | | | | | | | | | | | C-95 | 3,320 | 6,820 | | | | 3,004 | | |
| | | | | | | | | | | | P-110 | 3,470 | 7,890 | | | | 3,478 | | |
| | | | | | | | | | | | Q-125 | 3,520 | 8,970 | | | | 3,953 | | |
| 18-5/8 | 473.1 | 87.5 | .435 | 11.05 | 17.755 | 451.0 | 17.567 | 446.2 | 20.000 | 508.0 | H-40 | 630■ | 1,630 | 1,630 | - | - | 994 | 559 | - |
| | | | | | | | | | | | J-55<br>K-55 | 630■ | 2,250 | 2,250 | - | 2,250 | 1,367 | 754<br>794 | |
| | | | | | | | | | | | M-65 | 630■ | 2,660 | 2,660 | | 2,660 | 1,616 | 884 | |
| 20 | 508.0 | 94.0 | .438 | 11.13 | 19.124 | 485.7 | 18.936 | 481.0 | 21,000 | 533.4 | H-40 | 520■ | 1,530 | 1,530 | 1,530 | - | 1,077 | 581 | 673 |
| | | | | | | | | | | | J-55<br>K-55 | 520■ | 2,110 | 2,110 | 2,110 | 2,110 | 1,480 | 783<br>823 | 907<br>955 |
| | | | | | | | | | | | M-65 | 520■ | 2,490 | 2,490 | 2,490 | 2,490 | 1,750 | 918 | 1,063 |
| 20 | 508 | 106.5 | .500 | 12.70 | 19.000 | 482.6 | 18.812 | 477.8 | 21.000 | 533.4 | J-55<br>K-55 | 770■ | 2,410 | 2,410 | 2,410 | 2,410 | 1,685 | 913<br>959 | 1,056<br>1,113 |
| | | | | | | | | | | | M-65 | 770■ | 2,840 | 2,840 | 2,840 | 2,840 | 1,991 | 1,070 | 1,238 |
| 20 | 508 | 133.0 | .635 | 16.13 | 18.730 | 475.7 | 18.542 | 471.0 | 21.000 | 533.4 | J-55<br>K-55 | 1,500 | 3,060 | 3,060 | 3,060 | 3,060 | 2,125 | 1,192<br>1,252 | 1,379<br>1,453 |

Refer to page 5-17 for footnote reference