

Rated Internal Working Pressure for Copper Tube: ACR* (Air Conditioning and Refrigeration Field Service)

| Nominal or standard size, in inches | Annealed | | | | | | | Drawn** | | | | | | |
|-------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|
| | COILS | | | | | | | | | | | | | |
| | S= 6000 psi 100F | S= 5100 psi 150F | S= 4900 psi 200F | S= 4800 psi 250F | S= 4700 psi 300F | S= 4000 psi 350F | S= 3000 psi 400F | S= 10,300 psi 100F | S= 10,300 psi 150F | S= 10,300 psi 200F | S= 10,300 psi 250F | S= 10,000 psi 300F | S= 9,700 psi 350F | S= 9,400 psi 400F |
| 1/8 | 3074 | 2613 | 2510 | 2459 | 2408 | 2049 | 1537 | — | — | — | — | — | — | — |
| 3/16 | 1935 | 1645 | 1581 | 1548 | 1516 | 1290 | 968 | — | — | — | — | — | — | — |
| 1/4 | 1406 | 1195 | 1148 | 1125 | 1102 | 938 | 703 | — | — | — | — | — | — | — |
| 5/16 | 1197 | 1017 | 977 | 957 | 937 | 798 | 598 | — | — | — | — | — | — | — |
| 3/8 | 984 | 836 | 803 | 787 | 770 | 656 | 492 | — | — | — | — | — | — | — |
| 1/2 | 727 | 618 | 594 | 581 | 569 | 485 | 363 | — | — | — | — | — | — | — |
| 5/8 | 618 | 525 | 504 | 494 | 484 | 412 | 309 | — | — | — | — | — | — | — |
| 3/4 | 511 | 435 | 417 | 409 | 400 | 341 | 256 | — | — | — | — | — | — | — |
| 7/8 | 631 | 537 | 516 | 505 | 495 | 421 | 316 | — | — | — | — | — | — | — |
| 7/8 | 582 | 495 | 475 | 466 | 456 | 388 | 291 | — | — | — | — | — | — | — |
| 1-1/8 | 494 | 420 | 404 | 395 | 387 | 330 | 247 | — | — | — | — | — | — | — |
| 1-3/8 | 439 | 373 | 358 | 351 | 344 | 293 | 219 | — | — | — | — | — | — | — |
| 1-5/8 | 408 | 347 | 334 | 327 | 320 | 272 | 204 | — | — | — | — | — | — | — |
| | STRAIGHT LENGTHS | | | | | | | | | | | | | |
| 3/8 | 914 | 777 | 747 | 731 | 716 | 609 | 457 | 1569 | 1569 | 1569 | 1569 | 1524 | 1478 | 1432 |
| 1/2 | 781 | 664 | 638 | 625 | 612 | 521 | 391 | 1341 | 1341 | 1341 | 1341 | 1302 | 1263 | 1224 |
| 5/8 | 723 | 615 | 591 | 579 | 567 | 482 | 362 | 1242 | 1242 | 1242 | 1242 | 1206 | 1169 | 1133 |
| 3/4 | 633 | 538 | 517 | 506 | 496 | 422 | 316 | 1086 | 1086 | 1086 | 1086 | 1055 | 1023 | 991 |
| 7/8 | 583 | 496 | 477 | 467 | 457 | 389 | 292 | 1002 | 1002 | 1002 | 1002 | 972 | 943 | 914 |
| 1-1/8 | 495 | 421 | 404 | 396 | 388 | 330 | 248 | 850 | 850 | 850 | 850 | 825 | 801 | 776 |
| 1-3/8 | 440 | 374 | 359 | 352 | 344 | 293 | 220 | 755 | 755 | 755 | 755 | 733 | 711 | 689 |
| 1-5/8 | 409 | 348 | 334 | 327 | 320 | 273 | 205 | 702 | 702 | 702 | 702 | 682 | 661 | 641 |
| 2-1/8 | 364 | 309 | 297 | 291 | 285 | 243 | 182 | 625 | 625 | 625 | 625 | 607 | 589 | 570 |
| 2-5/8 | 336 | 286 | 275 | 269 | 263 | 224 | 168 | 577 | 577 | 577 | 577 | 560 | 544 | 527 |
| 3-1/8 | 317 | 270 | 259 | 254 | 249 | 212 | 159 | 545 | 545 | 545 | 545 | 529 | 513 | 497 |
| 3-5/8 | 304 | 258 | 248 | 243 | 238 | 203 | 152 | 522 | 522 | 522 | 522 | 506 | 491 | 476 |
| 4-1/8 | 293 | 249 | 240 | 235 | 230 | 196 | 147 | 504 | 504 | 504 | 504 | 489 | 474 | 460 |

* Based on maximum allowable stress in tension (psi) for the indicated temperatures (F).

** When brazing or welding is used to join drawn tube, the corresponding annealed rating must be used. For additional information, see [Pressure Ratings and Burst Strength](#).