

| DIÁMETRO EXTERIOR | | ESPESOR | | PESO | | DIAMETRO INTERIOR | | T I P O | C E D U L A | A | B | X42 | X46 | X52 | X56 | X60 | X65 | X70 | X80 | |
|-------------------|--------|---------|-------|-------|-------|-------------------|-------|------------------|----------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ASTM | API | | in | mm | Lb/ft | Kg/m | in | | | mm | 30,000 | 35,000 | 42,000 | 46,000 | 52,000 | 56,000 | 60,000 | 65,000 | 70,000 | 80,000 |
| | in | mm | | | | | | | | | 30,000 | 35,000 | 42,000 | 46,000 | 52,000 | 56,000 | 60,000 | 65,000 | 70,000 | 80,000 |
| 2 | 2 3/8 | 60.33 | 0.154 | 3.91 | 3.66 | 5.45 | 2.067 | 52.50 | STD | 40 | 3,400 | 3,970 | 4,770 | 5,220 | 5,900 | 6,350 | 6,810 | 7,380 | 7,940 | 9,080 |
| | | | 0.172 | 4.37 | 4.05 | 6.03 | 2.031 | 51.59 | | | 3,800 | 4,440 | 5,320 | 5,830 | 6,590 | 7,100 | 7,600 | 8,240 | 8,870 | 10,140 |
| | | | 0.188 | 4.78 | 4.40 | 6.55 | 1.999 | 50.77 | | | 4,160 | 4,850 | 5,820 | 6,370 | 7,200 | 7,760 | 8,310 | 9,000 | 9,700 | 11,080 |
| | | | 0.218 | 5.54 | 5.03 | 7.49 | 1.939 | 49.25 | XS | 80 | 4,820 | 5,620 | 6,750 | 7,390 | 8,350 | 9,000 | 9,640 | 10,440 | 11,240 | 12,850 |
| | | | 0.250 | 6.35 | 5.68 | 8.46 | 1.875 | 47.63 | | | 5,530 | 6,450 | 7,740 | 8,470 | 9,580 | 10,320 | 11,050 | 11,970 | 12,890 | 14,740 |
| | | | 0.281 | 7.14 | 6.29 | 9.37 | 1.813 | 46.05 | | | 6,210 | 7,250 | 8,700 | 9,520 | 10,770 | 11,590 | 12,420 | 13,460 | 14,490 | 16,560 |
| | | | 0.344 | 8.74 | 7.46 | 11.11 | 1.687 | 42.85 | | 160 | 7,600 | 8,870 | 10,650 | 11,660 | 13,180 | 14,190 | 15,210 | 16,480 | 17,740 | 20,280 |
| 2 1/2 | 2 7/8 | 73.03 | 0.156 | 3.96 | 4.53 | 6.75 | 2.563 | 65.10 | | | 2,850 | 3,320 | 3,990 | 4,370 | 4,940 | 5,320 | 5,700 | 6,170 | 6,650 | 7,600 |
| | | | 0.172 | 4.37 | 4.97 | 7.40 | 2.531 | 64.29 | | | 3,140 | 3,660 | 4,400 | 4,820 | 5,440 | 5,860 | 6,280 | 6,810 | 7,330 | 8,380 |
| | | | 0.188 | 4.78 | 5.40 | 8.04 | 2.499 | 63.47 | | | 3,430 | 4,010 | 4,810 | 5,260 | 5,950 | 6,410 | 6,870 | 7,440 | 8,010 | 9,150 |
| | | | 0.203 | 5.16 | 5.80 | 8.64 | 2.469 | 62.71 | STD | 40 | 3,710 | 4,320 | 5,190 | 5,680 | 6,430 | 6,920 | 7,410 | 8,030 | 8,650 | 9,890 |
| | | | 0.216 | 5.49 | 6.14 | 9.15 | 2.443 | 62.05 | | | 3,940 | 4,600 | 5,520 | 6,050 | 6,840 | 7,360 | 7,890 | 8,550 | 9,200 | 10,520 |
| | | | 0.250 | 6.35 | 7.02 | 10.46 | 2.375 | 60.33 | | | 4,570 | 5,330 | 6,390 | 7,000 | 7,910 | 8,520 | 9,130 | 9,890 | 10,650 | 12,170 |
| | | | 0.276 | 7.01 | 7.67 | 11.42 | 2.323 | 59.00 | XS | 80 | 5,040 | 5,880 | 7,060 | 7,730 | 8,740 | 9,410 | 10,080 | 10,920 | 11,760 | 13,440 |
| | | | 0.375 | 9.53 | 10.01 | 14.91 | 2.125 | 53.98 | | 160 | 6,850 | 7,990 | 9,590 | 10,500 | 11,870 | 12,780 | 13,700 | 14,840 | 15,980 | 18,260 |
| 3 | 3 1/2 | 88.90 | 0.188 | 4.78 | 6.66 | 9.92 | 3.124 | 79.35 | | | 2,820 | 3,290 | 3,950 | 4,320 | 4,890 | 5,260 | 5,640 | 6,110 | 6,580 | 7,520 |
| | | | 0.216 | 5.49 | 7.58 | 11.29 | 3.068 | 77.93 | STD | 40 | 3,240 | 3,780 | 4,540 | 4,970 | 5,620 | 6,050 | 6,480 | 7,020 | 7,560 | 8,640 |
| | | | 0.250 | 6.35 | 8.69 | 12.94 | 3.000 | 76.20 | | | 3,750 | 4,380 | 5,250 | 5,750 | 6,500 | 7,000 | 7,500 | 8,130 | 8,750 | 10,000 |
| | | | 0.281 | 7.14 | 9.67 | 14.40 | 2.938 | 74.63 | | | 4,220 | 4,920 | 5,900 | 6,460 | 7,310 | 7,870 | 8,430 | 9,130 | 9,840 | 11,240 |
| | | | 0.300 | 7.62 | 10.26 | 15.28 | 2.900 | 73.66 | XS | 80 | 4,500 | 5,250 | 6,300 | 6,900 | 7,800 | 8,400 | 9,000 | 9,750 | 10,500 | 12,000 |
| | | | | | | 0.438 | 11.13 | 14.32 | 21.33 | 2.624 | 66.65 | | 160 | 6,570 | 7,670 | 9,200 | 10,070 | 11,390 | 12,260 | 13,140 |
| 3 1/2 | 4 | 101.60 | 0.226 | 5.74 | 9.12 | 13.58 | 3.548 | 90.12 | STD | 40 | 2,970 | 3,460 | 4,150 | 4,550 | 5,140 | 5,540 | 5,930 | 6,430 | 6,920 | 7,910 |
| | | | 0.250 | 6.35 | 10.02 | 14.92 | 3.500 | 88.90 | | | 3,280 | 3,830 | 4,590 | 5,030 | 5,690 | 6,130 | 6,560 | 7,110 | 7,660 | 8,750 |
| | | | 0.281 | 7.14 | 11.17 | 16.64 | 3.438 | 87.33 | | | 3,690 | 4,300 | 5,160 | 5,660 | 6,390 | 6,880 | 7,380 | 7,990 | 8,610 | 9,840 |
| | | | 0.318 | 8.08 | 12.52 | 18.65 | 3.364 | 85.45 | XS | 80 | 4,170 | 4,870 | 5,840 | 6,400 | 7,230 | 7,790 | 8,350 | 9,040 | 9,740 | 11,130 |
| 4 | 4 1/2 | 114.30 | 0.219 | 5.56 | 10.02 | 14.92 | 4.062 | 103.17 | | | 2,560 | 2,980 | 3,580 | 3,920 | 4,430 | 4,770 | 5,110 | 5,540 | 5,960 | 6,810 |
| | | | 0.237 | 6.02 | 10.80 | 16.09 | 4.026 | 102.26 | STD | 40 | 2,770 | 3,230 | 3,870 | 4,240 | 4,790 | 5,160 | 5,530 | 5,990 | 6,450 | 7,370 |
| | | | 0.250 | 6.35 | 11.36 | 16.92 | 4.000 | 101.60 | | | 2,920 | 3,400 | 4,080 | 4,470 | 5,060 | 5,440 | 5,830 | 6,320 | 6,810 | 7,780 |
| | | | 0.281 | 7.14 | 12.67 | 18.87 | 3.938 | 100.03 | | | 3,280 | 3,820 | 4,590 | 5,030 | 5,680 | 6,120 | 6,560 | 7,100 | 7,650 | 8,740 |
| | | | 0.312 | 7.92 | 13.97 | 20.81 | 3.876 | 98.45 | | | 3,640 | 4,250 | 5,100 | 5,580 | 6,310 | 6,790 | 7,280 | 7,890 | 8,490 | 9,710 |
| | | | 0.337 | 8.56 | 15.00 | 22.34 | 3.826 | 97.18 | XS | 80 | 3,930 | 4,590 | 5,500 | 6,030 | 6,810 | 7,340 | 7,860 | 8,520 | 9,170 | 10,480 |
| | | | 0.438 | 11.13 | 19.02 | 28.33 | 3.624 | 92.05 | | | 5,110 | 5,960 | 7,150 | 7,840 | 8,860 | 9,540 | 10,220 | 11,070 | 11,920 | 13,630 |
| | | | 0.531 | 13.49 | 22.53 | 33.56 | 3.438 | 87.33 | | | 6,200 | 7,230 | 8,670 | 9,500 | 10,740 | 11,560 | 12,390 | 13,420 | 14,460 | 16,520 |
| | | | 0.674 | 17.12 | 27.57 | 41.07 | 3.152 | 80.06 | XXS | | 7,860 | 9,170 | 11,010 | 12,060 | 13,630 | 14,680 | 15,730 | 17,040 | 18,350 | 20,970 |
| 5 | 5 9/16 | 141.29 | 0.219 | 5.56 | 12.51 | 18.63 | 5.125 | 130.16 | | | 2,070 | 2,410 | 2,890 | 3,170 | 3,580 | 3,860 | 4,130 | 4,480 | 4,820 | 5,510 |
| | | | 0.258 | 6.55 | 14.63 | 21.79 | 5.047 | 128.18 | STD | 40 | 2,440 | 2,840 | 3,410 | 3,730 | 4,220 | 4,550 | 4,870 | 5,280 | 5,680 | 6,490 |
| | | | 0.281 | 7.14 | 15.87 | 23.64 | 5.001 | 127.01 | | | 2,650 | 3,090 | 3,710 | 4,070 | 4,600 | 4,950 | 5,300 | 5,750 | 6,190 | 7,070 |
| | | | 0.312 | 7.92 | 17.51 | 26.08 | 4.939 | 125.44 | | | 2,940 | 3,440 | 4,120 | 4,520 | 5,100 | 5,500 | 5,890 | 6,380 | 6,870 | 7,850 |
| | | | 0.344 | 8.74 | 19.19 | 28.58 | 4.875 | 123.81 | | | 3,250 | 3,790 | 4,550 | 4,980 | 5,630 | 6,060 | 6,490 | 7,030 | 7,580 | 8,660 |
| | | | 0.375 | 9.53 | 20.8 | 30.98 | 4.813 | 122.24 | XS | 80 | 3,540 | 4,130 | 4,960 | 5,430 | 6,130 | 6,610 | 7,080 | 7,670 | 8,260 | 9,440 |
| | | | 0.500 | 12.70 | 27.06 | 40.31 | 4.563 | 115.89 | | | 4,720 | 5,510 | 6,610 | 7,240 | 8,180 | 8,810 | 9,440 | 10,220 | 11,010 | 12,580 |
| | | | 0.625 | 15.88 | 32.99 | 49.14 | 4.313 | 109.54 | | | 5,900 | 6,880 | 8,260 | 9,040 | 10,220 | 11,010 | 11,800 | 12,780 | 13,760 | 15,730 |

Tubería de Conducción

RESISTENCIA A LA PRESIÓN INTERNA (psi)

| DIÁMETRO EXTERIOR | | | ESPESOR | | PESO | | DIAMETRO INTERIOR | | T I P O | C E D U L A | A | B | X42 | X46 | X52 | X56 | X60 | X65 | X70 | X80 | |
|-------------------|-----|-----|---------|-------|-------|--------|-------------------|--------|------------------|----------------------------|----|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| ASTM | API | | in | mm | Lb/ft | Kg/m | in | mm | | | | | | | | | | | | | |
| | in | mm | | | | | | | | | | | | | | | | | | | |
| 6 | 6 | 5/8 | 168.28 | 0.250 | 6.35 | 17.04 | 25.38 | 6.125 | 155.58 | | | 1,980 | 2,310 | 2,770 | 3,040 | 3,430 | 3,700 | 3,960 | 4,290 | 4,620 | 5,280 |
| | | | | 0.280 | 7.11 | 18.99 | 28.29 | 6.065 | 154.05 | STD | 40 | 2,220 | 2,590 | 3,110 | 3,400 | 3,850 | 4,140 | 4,440 | 4,810 | 5,180 | 5,920 |
| | | | | 0.312 | 7.92 | 21.06 | 31.37 | 6.001 | 152.43 | | | 2,470 | 2,880 | 3,460 | 3,790 | 4,290 | 4,620 | 4,940 | 5,360 | 5,770 | 6,590 |
| | | | | 0.344 | 8.74 | 23.1 | 34.41 | 5.937 | 150.80 | | | 2,730 | 3,180 | 3,820 | 4,180 | 4,730 | 5,090 | 5,450 | 5,910 | 6,360 | 7,270 |
| | | | | 0.375 | 9.53 | 25.05 | 37.31 | 5.875 | 149.23 | | | 2,970 | 3,470 | 4,160 | 4,560 | 5,150 | 5,550 | 5,940 | 6,440 | 6,930 | 7,920 |
| | | | | 0.432 | 10.97 | 28.6 | 42.60 | 5.761 | 146.33 | XS | 80 | 3,420 | 3,990 | 4,790 | 5,250 | 5,930 | 6,390 | 6,850 | 7,420 | 7,990 | 9,130 |
| | | | | 0.500 | 12.70 | 32.74 | 48.77 | 5.625 | 142.88 | | | 3,960 | 4,620 | 5,550 | 6,080 | 6,870 | 7,400 | 7,920 | 8,580 | 9,250 | 10,570 |
| | | | | 0.562 | 14.27 | 36.43 | 54.26 | 5.501 | 139.73 | | | 4,450 | 5,200 | 6,240 | 6,830 | 7,720 | 8,310 | 8,910 | 9,650 | 10,390 | 11,880 |
| | | | | 0.625 | 15.88 | 40.09 | 59.71 | 5.375 | 136.53 | | | 4,950 | 5,780 | 6,930 | 7,590 | 8,580 | 9,250 | 9,910 | 10,730 | 11,560 | 13,210 |
| | | | | 0.719 | 18.26 | 45.39 | 67.61 | 5.187 | 131.75 | | | 5,700 | 6,650 | 7,980 | 8,740 | 9,880 | 10,640 | 11,400 | 12,350 | 13,290 | 15,190 |
| | | | | 0.750 | 19.05 | 47.10 | 70.16 | 5.125 | 130.18 | | | 5,940 | 6,930 | 8,320 | 9,110 | 10,300 | 11,090 | 11,890 | 12,880 | 13,870 | 15,850 |
| | | | | 0.864 | 21.95 | 53.21 | 79.26 | 4.897 | 124.38 | | | 6,850 | 7,990 | 9,590 | 10,500 | 11,870 | 12,780 | 13,690 | 14,830 | 15,980 | 18,260 |
| | | | | 0.875 | 22.23 | 53.78 | 80.11 | 4.875 | 123.83 | | | 6,930 | 8,090 | 9,710 | 10,630 | 12,020 | 12,940 | 13,870 | 15,020 | 16,180 | 18,490 |
| 8 | 8 | 5/8 | 219.08 | 0.250 | 6.35 | 22.38 | 33.34 | 8.125 | 206.38 | | | 1,520 | 1,780 | 2,130 | 2,330 | 2,640 | 2,840 | 3,040 | 3,300 | 3,550 | 4,060 |
| | | | | 0.277 | 7.04 | 24.72 | 36.82 | 8.071 | 205.00 | | | 1,690 | 1,970 | 2,360 | 2,590 | 2,920 | 3,150 | 3,370 | 3,650 | 3,930 | 4,500 |
| | | | | 0.312 | 7.92 | 27.73 | 41.30 | 8.001 | 203.23 | | | 1,900 | 2,220 | 2,660 | 2,910 | 3,290 | 3,550 | 3,800 | 4,110 | 4,430 | 5,060 |
| | | | | 0.322 | 8.18 | 28.58 | 42.57 | 7.981 | 202.72 | STD | 40 | 1,960 | 2,290 | 2,740 | 3,010 | 3,400 | 3,660 | 3,920 | 4,250 | 4,570 | 5,230 |
| | | | | 0.344 | 8.74 | 30.45 | 45.36 | 7.937 | 201.60 | | | 2,090 | 2,440 | 2,930 | 3,210 | 3,630 | 3,910 | 4,190 | 4,540 | 4,890 | 5,580 |
| | | | | 0.375 | 9.53 | 33.07 | 49.26 | 7.875 | 200.03 | | | 2,280 | 2,660 | 3,200 | 3,500 | 3,960 | 4,260 | 4,570 | 4,950 | 5,330 | 6,090 |
| | | | | 0.406 | 10.31 | 35.64 | 53.09 | 7.813 | 198.45 | | | 2,470 | 2,880 | 3,460 | 3,790 | 4,280 | 4,610 | 4,940 | 5,350 | 5,770 | 6,590 |
| | | | | 0.438 | 11.13 | 38.33 | 57.09 | 7.749 | 196.82 | | | 2,670 | 3,110 | 3,730 | 4,090 | 4,620 | 4,980 | 5,330 | 5,780 | 6,220 | 7,110 |
| | | | | 0.500 | 12.70 | 43.43 | 64.69 | 7.625 | 193.68 | XS | 80 | 3,040 | 3,550 | 4,260 | 4,670 | 5,280 | 5,680 | 6,090 | 6,590 | 7,100 | 8,120 |
| | | | | 0.562 | 14.27 | 48.44 | 72.15 | 7.501 | 190.53 | | | 3,420 | 3,990 | 4,790 | 5,250 | 5,930 | 6,390 | 6,840 | 7,410 | 7,980 | 9,120 |
| | | | | 0.594 | 15.09 | 50.95 | 75.89 | 7.437 | 188.90 | | | 3,620 | 4,220 | 5,060 | 5,540 | 6,270 | 6,750 | 7,230 | 7,830 | 8,440 | 9,640 |
| | | | | 0.625 | 15.88 | 53.45 | 79.61 | 7.375 | 187.33 | | | 3,800 | 4,440 | 5,330 | 5,830 | 6,590 | 7,100 | 7,610 | 8,240 | 8,880 | 10,140 |
| | | | | 0.719 | 18.26 | 60.77 | 90.52 | 7.187 | 182.55 | | | 4,380 | 5,110 | 6,130 | 6,710 | 7,590 | 8,170 | 8,750 | 9,480 | 10,210 | 11,670 |
| | | | | 0.750 | 19.05 | 63.14 | 94.05 | 7.125 | 180.98 | | | 4,570 | 5,330 | 6,390 | 7,000 | 7,910 | 8,520 | 9,130 | 9,890 | 10,650 | 12,170 |
| | | | | 0.812 | 20.62 | 67.82 | 101.02 | 7.001 | 177.83 | | | 4,940 | 5,770 | 6,920 | 7,580 | 8,570 | 9,230 | 9,890 | 10,710 | 11,530 | 13,180 |
| | | | | 0.875 | 22.23 | 72.49 | 107.97 | 6.875 | 174.63 | | | 5,330 | 6,210 | 7,460 | 8,170 | 9,230 | 9,940 | 10,650 | 11,540 | 12,430 | 14,200 |
| | | | | 1.000 | 25.40 | 81.51 | 121.41 | 6.625 | 168.28 | | | 6,090 | 7,100 | 8,520 | 9,330 | 10,550 | 11,360 | 12,170 | 13,190 | 14,200 | 16,230 |
| 10 | 10 | 3/4 | 273.05 | 0.250 | 6.35 | 28.06 | 41.80 | 10.250 | 260.35 | | | 1,220 | 1,420 | 1,710 | 1,870 | 2,120 | 2,280 | 2,440 | 2,650 | 2,850 | 3,260 |
| | | | | 0.279 | 7.09 | 31.23 | 46.52 | 10.192 | 258.88 | | | 1,360 | 1,590 | 1,910 | 2,090 | 2,360 | 2,540 | 2,730 | 2,950 | 3,180 | 3,630 |
| | | | | 0.307 | 7.80 | 34.27 | 51.05 | 10.136 | 257.45 | | | 1,500 | 1,750 | 2,100 | 2,300 | 2,600 | 2,800 | 3,000 | 3,250 | 3,500 | 4,000 |
| | | | | 0.344 | 8.74 | 38.27 | 57.00 | 10.062 | 255.57 | | | 1,680 | 1,960 | 2,350 | 2,580 | 2,910 | 3,140 | 3,360 | 3,640 | 3,920 | 4,480 |
| | | | | 0.365 | 9.27 | 40.52 | 60.35 | 10.020 | 254.51 | STD | 40 | 1,780 | 2,080 | 2,500 | 2,730 | 3,090 | 3,330 | 3,570 | 3,860 | 4,160 | 4,750 |
| | | | | 0.438 | 11.13 | 48.28 | 71.91 | 9.874 | 250.80 | | | 2,140 | 2,500 | 2,990 | 3,280 | 3,710 | 3,990 | 4,280 | 4,630 | 4,990 | 5,700 |
| | | | | 0.500 | 12.70 | 54.79 | 81.61 | 9.750 | 247.65 | XS | 60 | 2,440 | 2,850 | 3,420 | 3,740 | 4,230 | 4,560 | 4,880 | 5,290 | 5,700 | 6,510 |
| | | | | 0.562 | 14.27 | 61.21 | 91.17 | 9.626 | 244.50 | | | 2,740 | 3,200 | 3,840 | 4,210 | 4,760 | 5,120 | 5,490 | 5,950 | 6,400 | 7,320 |
| | | | | 0.594 | 15.09 | 64.43 | 95.97 | 9.562 | 242.87 | | | 2,900 | 3,380 | 4,060 | 4,450 | 5,030 | 5,420 | 5,800 | 6,290 | 6,770 | 7,740 |
| | | | | 0.625 | 15.88 | 67.65 | 100.76 | 9.500 | 241.30 | | | 3,050 | 3,560 | 4,270 | 4,680 | 5,290 | 5,700 | 6,100 | 6,610 | 7,120 | 8,140 |
| | | | | 0.719 | 18.26 | 77.1 | 114.84 | 9.312 | 236.52 | | | 3,510 | 4,100 | 4,920 | 5,380 | 6,090 | 6,550 | 7,020 | 7,610 | 8,190 | 9,360 |
| | | | | 0.812 | 20.62 | 86.26 | 128.48 | 9.126 | 231.80 | | | 3,970 | 4,630 | 5,550 | 6,080 | 6,870 | 7,400 | 7,930 | 8,590 | 9,250 | 10,570 |
| | | | | 0.844 | 21.44 | 89.29 | 133.00 | 9.062 | 230.17 | | | 4,120 | 4,810 | 5,770 | 6,320 | 7,140 | 7,690 | 8,240 | 8,930 | 9,620 | 10,990 |
| | | | | 0.875 | 22.23 | 92.37 | 137.59 | 9.000 | 228.60 | | | 4,270 | 4,990 | 5,980 | 6,550 | 7,410 | 7,980 | 8,550 | 9,260 | 9,970 | 11,400 |
| | | | | 0.938 | 23.83 | 98.39 | 146.55 | 8.874 | 225.40 | | | 4,580 | 5,340 | 6,410 | 7,020 | 7,940 | 8,550 | 9,160 | 9,930 | 10,690 | 12,220 |
| | | | | 1.000 | 25.40 | 104.23 | 155.25 | 8.750 | 222.25 | | | 4,880 | 5,700 | 6,840 | 7,490 | 8,470 | 9,120 | 9,770 | 10,580 | 11,400 | 13,020 |
| | | | | 1.250 | 31.75 | 126.94 | 189.08 | 8.250 | 209.55 | | | 6,100 | 7,120 | 8,550 | 9,360 | 10,580 | 11,400 | 12,210 | 13,230 | 14,240 | 16,280 |

| DIÁMETRO EXTERIOR | | ESPESOR | | PESO | | DIÁMETRO INTERIOR | | T I P O | C E D U L A | A | B | X42 | X46 | X52 | X56 | X60 | X65 | X70 | X80 | | |
|-------------------|--------|---------|--------|--------|--------|-------------------|--------|------------------|----------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| ASTM | API | | in | mm | Lb/ft | Kg/m | in | | | mm | 30,000 | 35,000 | 42,000 | 46,000 | 52,000 | 56,000 | 60,000 | 65,000 | 70,000 | 80,000 | |
| | in | mm | | | | | | | | | | | | | | | | | | | |
| 12 | 12 3/4 | 323.85 | 0.375 | 9.53 | 49.61 | 73.89 | 12.000 | 304.80 | STD | | 1,540 | 1,800 | 2,160 | 2,370 | 2,680 | 2,880 | 3,090 | 3,350 | 3,600 | 4,120 | |
| | | | 0.406 | 10.31 | 53.57 | 79.79 | 11.938 | 303.23 | | 40 | 1,670 | 1,950 | 2,340 | 2,560 | 2,900 | 3,120 | 3,340 | 3,620 | 3,900 | 4,460 | |
| | | | 0.438 | 11.13 | 57.65 | 85.87 | 11.874 | 301.60 | | | 1,800 | 2,100 | 2,520 | 2,770 | 3,130 | 3,370 | 3,610 | 3,910 | 4,210 | 4,810 | |
| | | | 0.500 | 12.70 | 65.48 | 97.53 | 11.750 | 298.45 | | XS | 2,060 | 2,400 | 2,880 | 3,160 | 3,570 | 3,840 | 4,120 | 4,460 | 4,800 | 5,490 | |
| | | | 0.562 | 14.27 | 73.22 | 109.06 | 11.626 | 295.30 | | | 2,310 | 2,700 | 3,240 | 3,550 | 4,010 | 4,320 | 4,630 | 5,010 | 5,400 | 6,170 | |
| | | | 0.625 | 15.88 | 81.01 | 120.66 | 11.500 | 292.10 | | | 2,570 | 3,000 | 3,600 | 3,950 | 4,460 | 4,800 | 5,150 | 5,580 | 6,000 | 6,860 | |
| | | | 0.688 | 17.48 | 88.71 | 132.13 | 11.374 | 288.90 | | | 2,830 | 3,310 | 3,970 | 4,340 | 4,910 | 5,290 | 5,670 | 6,140 | 6,610 | 7,550 | |
| | | | 0.750 | 19.05 | 96.21 | 143.30 | 11.250 | 285.75 | | | 3,090 | 3,600 | 4,320 | 4,740 | 5,350 | 5,760 | 6,180 | 6,690 | 7,210 | 8,240 | |
| | | | 0.812 | 20.62 | 103.63 | 154.36 | 11.126 | 282.60 | | | 3,340 | 3,900 | 4,680 | 5,130 | 5,800 | 6,240 | 6,690 | 7,240 | 7,800 | 8,920 | |
| | | | 0.844 | 21.44 | 107.32 | 159.85 | 11.062 | 280.97 | | | 3,480 | 4,050 | 4,870 | 5,330 | 6,020 | 6,490 | 6,950 | 7,530 | 8,110 | 9,270 | |
| | | | 0.875 | 22.23 | 111.08 | 165.45 | 11.000 | 279.40 | | | 3,600 | 4,200 | 5,040 | 5,520 | 6,250 | 6,730 | 7,210 | 7,810 | 8,410 | 9,610 | |
| | | | 0.938 | 23.83 | 118.44 | 176.42 | 10.874 | 276.20 | | | 3,860 | 4,510 | 5,410 | 5,920 | 6,690 | 7,210 | 7,720 | 8,370 | 9,010 | 10,300 | |
| | | | 1.000 | 25.40 | 125.61 | 187.10 | 10.750 | 273.05 | | | 4,120 | 4,800 | 5,760 | 6,310 | 7,140 | 7,690 | 8,240 | 8,920 | 9,610 | 10,980 | |
| | | | 1.062 | 26.97 | 132.69 | 197.64 | 10.626 | 269.90 | | | 4,370 | 5,100 | 6,120 | 6,710 | 7,580 | 8,160 | 8,750 | 9,470 | 10,200 | 11,660 | |
| | | | 1.125 | 28.58 | 139.81 | 208.25 | 10.500 | 266.70 | | | 4,630 | 5,400 | 6,490 | 7,100 | 8,030 | 8,650 | 9,260 | 10,040 | 10,810 | 12,350 | |
| 1.250 | 31.75 | 153.67 | 228.89 | 10.250 | 260.35 | | | 5,150 | 6,000 | 7,210 | 7,890 | 8,920 | 9,610 | 10,290 | 11,150 | 12,010 | 13,730 | | | | |
| 14 | 14 | 355.60 | 0.375 | 9.53 | 54.62 | 81.36 | 13.250 | 336.55 | STD | 30 | 1,410 | 1,640 | 1,970 | 2,160 | 2,440 | 2,630 | 2,810 | 3,050 | 3,280 | 3,750 | |
| | | | 0.406 | 10.31 | 59 | 87.88 | 13.188 | 334.98 | | | 1,520 | 1,780 | 2,130 | 2,330 | 2,640 | 2,840 | 3,050 | 3,300 | 3,550 | 4,060 | |
| | | | 0.438 | 11.13 | 63.5 | 94.58 | 13.124 | 333.35 | | | 1,640 | 1,920 | 2,300 | 2,520 | 2,850 | 3,070 | 3,290 | 3,560 | 3,830 | 4,380 | |
| | | | 0.469 | 11.91 | 67.84 | 101.05 | 13.062 | 331.77 | | | 1,760 | 2,050 | 2,460 | 2,700 | 3,050 | 3,280 | 3,520 | 3,810 | 4,100 | 4,690 | |
| | | | 0.500 | 12.70 | 72.16 | 107.48 | 13.000 | 330.20 | | XS | 1,880 | 2,190 | 2,630 | 2,880 | 3,250 | 3,500 | 3,750 | 4,060 | 4,380 | 5,000 | |
| | | | 0.562 | 14.27 | 80.73 | 120.25 | 12.876 | 327.05 | | | 2,110 | 2,460 | 2,950 | 3,230 | 3,650 | 3,930 | 4,220 | 4,570 | 4,920 | 5,620 | |
| | | | 0.594 | 15.09 | 85.05 | 126.68 | 12.812 | 325.42 | | | 2,230 | 2,600 | 3,120 | 3,420 | 3,860 | 4,160 | 4,460 | 4,830 | 5,200 | 5,940 | |
| | | | 0.625 | 15.88 | 89.36 | 133.10 | 12.750 | 323.85 | | | 2,340 | 2,730 | 3,280 | 3,590 | 4,060 | 4,380 | 4,690 | 5,080 | 5,470 | 6,250 | |
| | | | 0.688 | 17.48 | 97.91 | 145.84 | 12.624 | 320.65 | | | 2,580 | 3,010 | 3,610 | 3,960 | 4,470 | 4,820 | 5,160 | 5,590 | 6,020 | 6,880 | |
| | | | 0.750 | 19.05 | 106.23 | 158.23 | 12.500 | 317.50 | | | 2,810 | 3,280 | 3,940 | 4,310 | 4,880 | 5,250 | 5,630 | 6,090 | 6,560 | 7,500 | |
| | | | 0.812 | 20.62 | 114.48 | 170.52 | 12.376 | 314.35 | | | 3,050 | 3,550 | 4,260 | 4,670 | 5,280 | 5,680 | 6,090 | 6,600 | 7,110 | 8,120 | |
| | | | 0.875 | 22.23 | 122.77 | 182.87 | 12.250 | 311.15 | | | 3,280 | 3,830 | 4,590 | 5,030 | 5,690 | 6,130 | 6,560 | 7,110 | 7,660 | 8,750 | |
| | | | 0.938 | 23.83 | 130.98 | 195.09 | 12.124 | 307.95 | | | 3,520 | 4,100 | 4,920 | 5,390 | 6,100 | 6,570 | 7,040 | 7,620 | 8,210 | 9,380 | |
| | | | 1.000 | 25.40 | 138.97 | 207.00 | 12.000 | 304.80 | | | 3,750 | 4,380 | 5,250 | 5,750 | 6,500 | 7,000 | 7,500 | 8,130 | 8,750 | 10,000 | |
| | | | 1.062 | 26.97 | 146.88 | 218.78 | 11.876 | 301.65 | | | 3,980 | 4,650 | 5,580 | 6,110 | 6,900 | 7,430 | 7,970 | 8,630 | 9,290 | 10,620 | |
| 1.125 | 28.58 | 154.84 | 230.63 | 11.750 | 298.45 | | | 4,220 | 4,920 | 5,910 | 6,470 | 7,310 | 7,880 | 8,440 | 9,140 | 9,840 | 11,250 | | | | |
| 1.250 | 31.75 | 170.37 | 253.77 | 11.500 | 292.10 | | | 4,690 | 5,470 | 6,560 | 7,190 | 8,130 | 8,750 | 9,380 | 10,160 | 10,940 | 12,500 | | | | |
| 16 | 16 | 406.40 | 0.375 | 9.53 | 62.64 | 93.30 | 15.250 | 387.35 | STD | 30 | 1,230 | 1,440 | 1,720 | 1,890 | | | | | | | |
| | | | 0.406 | 10.31 | 67.68 | 100.81 | 15.188 | 385.78 | | | 1,330 | 1,550 | 1,870 | 2,040 | | | | | | | |
| | | | 0.438 | 11.13 | 72.86 | 108.52 | 15.124 | 384.15 | | | 1,440 | 1,680 | 2,010 | 2,200 | | | | | | | |
| | | | 0.469 | 11.91 | 77.87 | 115.99 | 15.062 | 382.57 | | | 1,540 | 1,800 | 2,150 | 2,360 | | | | | | | |
| | | | 0.500 | 12.70 | 82.85 | 123.41 | 15.000 | 381.00 | | XS | 1,640 | 1,910 | 2,300 | 2,520 | | | | | | | |
| | | | 0.562 | 14.27 | 92.75 | 138.15 | 14.876 | 377.85 | | | 1,840 | 2,150 | 2,580 | 2,830 | | | | | | | |
| | | | 0.625 | 15.88 | 102.72 | 153.00 | 14.750 | 374.65 | | | 2,050 | 2,390 | 2,870 | 3,140 | | | | | | | |
| | | | 0.656 | 16.66 | 107.5 | 160.12 | 14.688 | 373.08 | | | 2,150 | 2,510 | 3,010 | 3,300 | | | | | | | |
| | | | 0.688 | 17.48 | 112.62 | 167.75 | 14.624 | 371.45 | | | 2,260 | 2,630 | 3,160 | 3,460 | | | | | | | |
| | | | 0.750 | 19.05 | 122.27 | 182.12 | 14.500 | 368.30 | | | 2,460 | 2,870 | 3,450 | 3,770 | | | | | | | |
| | | | 0.812 | 20.62 | 131.84 | 196.38 | 14.376 | 365.15 | | | 2,660 | 3,110 | 3,730 | 4,090 | | | | | | | |
| | | | 0.844 | 21.44 | 136.61 | 203.48 | 14.312 | 363.52 | | | 2,770 | 3,230 | 3,880 | 4,250 | | | | | | | |
| | | | 0.875 | 22.23 | 141.48 | 210.73 | 14.250 | 361.95 | | | 2,870 | 3,350 | 4,020 | 4,400 | | | | | | | |
| | | | 1.000 | 25.40 | 160.35 | 238.84 | 14.000 | 355.60 | | | 3,280 | 3,830 | 4,590 | 5,030 | | | | | | | |

Tubería de Conducción

RESISTENCIA A LA PRESIÓN INTERNA (psi)

| DIÁMETRO EXTERIOR | | | ESPESOR | | PESO | | DIAMETRO INTERIOR | | T I P O | C E D U L A | A | B | X42 | X46 | X52 | X56 | X60 | X65 | X70 | X80 | | | | | |
|-------------------|-----|--------|---------|-------|--------|--------|-------------------|--------|------------------|----------------------------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|--|--|--|--|--|
| ASTM | API | | in | mm | Lb/ft | Kg/m | in | mm | | | | | | | | | | | | | | | | | |
| | in | mm | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 18 | 457.20 | 0.406 | 10.31 | 76.36 | 113.74 | 17.188 | 436.58 | | | 1,180 | 1,380 | 1,660 | 1,820 | | | | | | | | | | | |
| | | | 0.438 | 11.13 | 82.23 | 122.48 | 17.124 | 434.95 | | 30 | 1,280 | 1,490 | 1,790 | 1,960 | | | | | | | | | | | |
| | | | 0.469 | 11.91 | 87.89 | 130.91 | 17.062 | 433.37 | | | 1,370 | 1,600 | 1,920 | 2,100 | | | | | | | | | | | |
| | | | 0.500 | 12.70 | 93.54 | 139.33 | 17.000 | 431.80 | | XS | 1,460 | 1,700 | 2,040 | 2,240 | | | | | | | | | | | |
| | | | 0.562 | 14.27 | 104.76 | 156.04 | 16.876 | 428.65 | | | 40 | 1,640 | 1,910 | 2,290 | 2,510 | | | | | | | | | | |
| | | | 0.625 | 15.88 | 116.09 | 172.92 | 16.750 | 425.45 | | | | 1,820 | 2,130 | 2,550 | 2,800 | | | | | | | | | | |
| | | | 0.688 | 17.48 | 127.32 | 189.64 | 16.624 | 422.25 | | | | 2,010 | 2,340 | 2,810 | 3,080 | | | | | | | | | | |
| | | | 0.750 | 19.05 | 138.30 | 206.00 | 16.500 | 419.10 | | | 60 | 2,190 | 2,550 | 3,060 | 3,350 | | | | | | | | | | |
| | | | 0.812 | 20.62 | 149.20 | 222.23 | 16.376 | 415.95 | | | | 2,370 | 2,760 | 3,320 | 3,630 | | | | | | | | | | |
| | | | 0.875 | 22.23 | 160.18 | 238.59 | 16.250 | 412.75 | | | | 2,550 | 2,980 | 3,570 | 3,910 | | | | | | | | | | |
| | | | 0.938 | 23.83 | 171.08 | 254.82 | 16.124 | 409.55 | | | | 2,740 | 3,190 | 3,830 | 4,190 | | | | | | | | | | |
| | | | 1.000 | 25.40 | 181.73 | 270.69 | 16.000 | 406.40 | | | 2,920 | 3,400 | 4,080 | 4,470 | | | | | | | | | | | |
| 20 | 20 | 508.00 | 0.438 | 11.13 | 91.59 | 136.42 | 19.124 | 485.75 | | | 1,150 | 1,340 | 1,610 | 1,760 | | | | | | | | | | | |
| | | | 0.469 | 11.91 | 97.92 | 145.85 | 19.062 | 484.17 | | | 1,230 | 1,440 | 1,720 | 1,890 | | | | | | | | | | | |
| | | | 0.500 | 12.70 | 104.23 | 155.25 | 19.000 | 482.60 | | XS | 30 | 1,310 | 1,530 | 1,840 | 2,010 | | | | | | | | | | |
| | | | 0.562 | 14.27 | 116.78 | 173.94 | 18.876 | 479.45 | | | | 1,480 | 1,720 | 2,070 | 2,260 | | | | | | | | | | |
| | | | 0.594 | 15.09 | 123.11 | 183.37 | 18.812 | 477.82 | | | 40 | 1,560 | 1,820 | 2,180 | 2,390 | | | | | | | | | | |
| | | | 0.625 | 15.88 | 129.45 | 192.82 | 18.750 | 476.25 | | | | 1,640 | 1,910 | 2,300 | 2,520 | | | | | | | | | | |
| | | | 0.688 | 17.48 | 142.03 | 211.55 | 18.624 | 473.05 | | | | 1,810 | 2,110 | 2,530 | 2,770 | | | | | | | | | | |
| | | | 0.750 | 19.05 | 154.34 | 229.89 | 18.500 | 469.90 | | | | 1,970 | 2,300 | 2,760 | 3,020 | | | | | | | | | | |
| | | | 0.812 | 20.62 | 166.56 | 248.09 | 18.376 | 466.75 | | | | 2,130 | 2,490 | 2,980 | 3,270 | | | | | | | | | | |
| | | | 0.875 | 22.23 | 178.89 | 266.46 | 18.250 | 463.55 | | | | 2,300 | 2,680 | 3,220 | 3,520 | | | | | | | | | | |
| | | | 0.938 | 23.83 | 191.14 | 284.70 | 18.124 | 460.35 | | | | 2,460 | 2,870 | 3,450 | 3,780 | | | | | | | | | | |
| | | | 1.000 | 25.40 | 203.11 | 302.53 | 18.000 | 457.20 | | | 2,630 | 3,060 | 3,680 | 4,030 | | | | | | | | | | | |

DICA/Rev. 02-Julio '01

Notas.-

*: El valor mínimo de Fluencia especificado para cada grado de acero se indica en psi, como se ilustra:

TIPO:

STD.- Pared normal "standard"
 XS.- Pared de alto espesor "extra strong"
 XXS.- Pared de gran espesor "doble extra strong"

"in": pulgada
 "mm": milímetro
 "psi": libras por pulgada cuadrada
 "lb/ft": Peso en libras por pie
 "kg/m": Peso en kilogramos por metro

GRADOS DE ACERO A25 y X90: Disponibles previa solicitud

GRADOS DE ACERO PARA SERVICIO AMARGO: Hasta X52 disponibles en todos los diámetros; Hasta X70 disponibles para diámetros menores o iguales a 14"

API: API 5L, Ed. 2000 Los datos provenientes de esta especificación van indicados en fuente normal

ASTM: ASME B36-10M, Ed. 1995 Los datos provenientes de esta especificación van indicados en fuente *cursiva*

| A | B | X42 | X46 | X52 | X56 | X60 | X65 | X70 | X80 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 30,000 | 35,000 | 42,000 | 46,000 | 52,000 | 56,000 | 60,000 | 65,000 | 70,000 | 80,000 |