



## Caños - Kgs x metro

### ESPESOR

| Diámetro |       |   | 0,80  | 1,00  | 1,20  | 1,50  | 2,00   | 2,11   | 2,50   | 2,77   | 3,00   | 3,40   | 4,00   | 4,19   | 5,00   | 5,49   | 6,00   |
|----------|-------|---|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6,35     | 1/4   |   | 0,112 | 0,134 | 0,155 | 0,183 |        |        |        |        |        |        |        |        |        |        |        |
| 7,94     | 5/16  |   | 0,144 | 0,174 | 0,203 | 0,243 |        |        |        |        |        |        |        |        |        |        |        |
| 9,52     | 3/8   | N | 0,175 | 0,214 | 0,251 | 0,302 |        |        |        |        |        |        |        |        |        |        |        |
| 11,11    | 7/16  |   | 0,207 | 0,254 | 0,299 | 0,362 |        |        |        |        |        |        |        |        |        |        |        |
| 12,70    | 1/2   |   | 0,239 | 0,294 | 0,347 | 0,422 |        |        |        |        |        |        |        |        |        |        |        |
| 13,80    | 1/4   | N | 0,261 | 0,322 | 0,380 | 0,464 |        |        |        |        |        |        |        |        |        |        |        |
| 14,30    | 9/16  |   | 0,271 | 0,334 | 0,395 | 0,483 |        |        |        |        |        |        |        |        |        |        |        |
| 15,80    | 5/8   |   | 0,302 | 0,372 | 0,440 | 0,539 |        |        |        |        |        |        |        |        |        |        |        |
| 17,20    | 3/8   | N | 0,330 | 0,407 | 0,483 | 0,592 |        |        |        |        |        |        |        |        |        |        |        |
| 19,05    | 3/4   |   | 0,367 | 0,454 | 0,538 | 0,662 |        |        |        |        |        |        |        |        |        |        |        |
| 21,34    | 1/2   | N |       | 0,511 | 0,607 | 0,748 | 0,972  | 1,020  | 1,184  | 1,293  | 1,293  | 1,533  |        |        |        |        |        |
| 22,22    | 7/8   |   |       | 0,533 | 0,634 | 0,781 | 1,016  | 1,066  | 1,239  | 1,354  | 1,354  | 1,608  | 1,832  | 1,899  |        |        |        |
| 25,40    | 1     |   |       | 0,613 | 0,730 | 0,901 | 1,176  | 1,235  | 1,439  | 1,575  | 1,575  | 1,880  | 2,151  | 2,234  |        |        |        |
| 26,60    | 3/4   | N |       | 0,643 | 0,766 | 0,946 | 1,237  | 1,299  | 1,514  | 1,659  | 1,659  | 1,982  | 2,272  | 2,360  |        |        |        |
| 28,80    | 1 1/8 |   |       | 0,699 | 0,832 | 1,029 | 1,347  | 1,415  | 1,652  | 1,812  | 1,812  | 2,170  | 2,493  | 2,592  |        |        |        |
| 31,75    | 1 1/4 |   |       | 0,773 | 0,921 | 1,140 | 1,495  | 1,572  | 1,838  | 2,018  | 2,018  | 2,423  | 2,790  | 2,902  |        |        |        |
| 33,40    | 1     | N |       | 0,814 | 0,971 | 1,203 | 1,578  | 1,659  | 1,942  | 2,132  | 2,132  | 2,564  | 2,956  | 3,076  |        |        |        |
| 38,10    | 1 1/2 |   |       | 0,932 | 1,113 | 1,380 | 1,815  | 1,909  | 2,237  | 2,460  | 2,460  | 2,965  | 3,428  | 3,571  |        |        |        |
| 42,20    | 1 2/3 | N |       | 1,035 | 1,237 | 1,534 | 2,021  | 2,126  | 2,494  | 2,745  | 2,745  | 3,316  | 3,840  | 4,003  |        |        |        |
| 44,40    | 1 3/4 |   |       | 1,091 | 1,303 | 1,617 | 2,131  | 2,243  | 2,633  | 2,898  | 2,898  | 3,504  | 4,061  | 4,234  |        |        |        |
| 48,30    | 1 1/2 | N |       | 1,189 | 1,421 | 1,764 | 2,327  | 2,449  | 2,878  | 3,170  | 3,170  | 3,837  | 4,454  | 4,645  | 5,441  |        |        |
| 50,80    | 2     |   |       | 1,252 | 1,496 | 1,859 | 2,453  | 2,582  | 3,035  | 3,344  | 3,344  | 4,050  | 4,705  | 4,908  | 5,755  |        |        |
| 60,30    | 2     | N |       | 1,490 | 1,782 | 2,217 | 2,930  | 3,086  | 3,632  | 4,005  | 4,005  | 4,862  | 5,660  | 5,909  | 6,949  |        |        |
| 63,50    | 2 1/2 |   |       | 1,571 | 1,879 | 2,337 | 3,091  | 3,256  | 3,833  | 4,228  | 4,228  | 5,136  | 5,982  | 6,246  | 7,351  |        |        |
| 73,03    | 2 1/2 | N |       | 1,810 | 2,166 | 2,697 | 3,570  | 3,761  | 4,432  | 4,891  | 4,891  | 5,950  | 6,940  | 7,249  | 8,549  |        |        |
| 76,20    | 3     |   |       |       | 2,262 | 2,816 | 3,730  | 3,929  | 4,631  | 5,112  | 5,112  | 6,221  | 7,258  | 7,583  | 8,947  | 9,757  | 10,586 |
| 88,90    | 3     | N |       |       | 2,645 | 3,295 | 4,368  | 4,602  | 5,429  | 5,996  | 5,996  | 7,306  | 8,535  | 8,921  | 10,543 | 11,509 | 12,501 |
| 101,60   | 4     |   |       |       | 3,028 | 3,774 | 5,006  | 5,276  | 6,227  | 6,880  | 6,880  | 8,391  | 9,812  | 10,258 | 12,139 | 13,261 | 14,416 |
| 114,30   | 4     | N |       |       | 3,411 | 4,252 | 5,645  | 5,949  | 7,025  | 7,764  | 7,764  | 9,477  | 11,089 | 11,595 | 13,735 | 15,014 | 16,331 |
| 127,00   | 5     |   |       |       |       | 4,731 | 6,283  | 6,623  | 7,823  | 8,649  | 8,649  | 10,562 | 12,365 | 12,933 | 15,331 | 16,766 | 18,246 |
| 141,30   | 5     | N |       |       |       | 5,270 | 7,002  | 7,381  | 8,721  | 9,644  | 9,644  | 11,784 | 13,803 | 14,439 | 17,128 | 18,739 | 20,403 |
| 152,40   | 6     |   |       |       |       | 5,689 | 7,560  | 7,970  | 9,419  | 10,417 | 10,417 | 12,732 | 14,919 | 15,607 | 18,523 | 20,271 | 22,077 |
| 168,30   | 6     | N |       |       |       | 6,288 | 8,359  | 8,813  | 10,418 | 11,524 | 11,524 | 14,091 | 16,517 | 17,282 | 20,521 | 22,464 | 24,474 |
| 203,40   | 8     |   |       |       |       |       | 10,123 | 10,674 | 12,623 | 13,967 | 13,967 | 17,090 | 20,046 | 20,978 | 24,932 | 27,307 | 29,767 |
| 219,08   | 8     | N |       |       |       |       | 10,912 | 11,506 | 13,608 | 15,059 | 15,059 | 18,430 | 21,622 | 22,629 | 26,902 | 29,471 | 32,132 |
| 254,00   | 10    |   |       |       |       |       | 12,667 | 13,358 | 15,802 | 17,490 | 17,490 | 21,414 | 25,133 | 26,307 | 31,290 | 34,289 | 37,398 |
| 273,03   | 10    | N |       |       |       |       | 13,623 | 14,367 | 16,998 | 18,815 | 18,815 | 23,040 | 27,046 | 28,311 | 33,682 | 36,915 | 40,267 |
| 304,80   | 12    |   |       |       |       |       | 15,220 | 16,052 | 18,994 | 21,027 | 21,027 | 25,755 | 30,240 | 31,656 | 37,674 | 41,299 | 45,058 |
| 323,80   | 12    | N |       |       |       |       | 16,175 | 17,059 | 20,188 | 22,349 | 22,349 | 27,379 | 32,150 | 33,657 | 40,062 | 43,920 | 47,923 |
| 355,60   | 14    |   |       |       |       |       | 17,774 | 18,746 | 22,186 | 24,563 | 24,563 | 30,096 | 35,347 | 37,006 | 44,058 | 48,308 | 52,719 |
| 406,40   | 16    |   |       |       |       |       | 20,327 | 21,440 | 25,378 | 28,100 | 28,100 | 34,437 | 40,454 | 42,355 | 50,442 | 55,317 | 60,379 |
| 457,20   | 18    |   |       |       |       |       | 22,881 | 24,134 | 28,570 | 31,636 | 31,636 | 38,778 | 45,561 | 47,705 | 56,825 | 62,327 | 68,040 |
| 508,00   | 20    |   |       |       |       |       | 25,434 | 26,827 | 31,762 | 35,173 | 35,173 | 43,119 | 50,668 | 53,054 | 63,209 | 69,336 | 75,700 |

## DIÁMETRO REAL

| Diám. Pulgadas | Espesor | Diám. mm | Espesor | kg/mt. |
|----------------|---------|----------|---------|--------|
| 1/16"          | 28 BWG  | 1.59     | 0.36    | 0.011  |
| 1/16"          | 25 BWG  | 1.59     | 0.51    | 0.014  |
| 1/8"           | 22 BWG  | 3.18     | 0.71    | 0.044  |
| 1/8"           | 20 BWG  | 3.18     | 0.89    | 0.051  |
| 3/16"          | 20 BWG  | 4.76     | 0.89    | 0.086  |
| 1/4"           | 22 BWG  | 6.35     | 0.71    | 0.100  |
| 1/4"           | 20 BWG  | 6.35     | 0.89    | 0.122  |
| 1/4"           | 20 SWG  | 6.35     | 0.91    | 0.124  |
| 1/4"           | 18 SWG  | 6.35     | 1.22    | 0.157  |
| 1/4"           | 18 BWG  | 6.35     | 1.24    | 0.159  |
| 1/4"           | 16 SWG  | 6.35     | 1.63    | 0.193  |
| 1/4"           | 16 BWG  | 6.35     | 1.65    | 0.194  |
| 5/16"          | 20 BWG  | 7.94     | 0.89    | 0.157  |
| 5/16"          | 20 SWG  | 7.94     | 0.91    | 0.160  |
| 3/8"           | 20 BWG  | 9.53     | 0.89    | 0.193  |
| 3/8"           | 20 SWG  | 9.53     | 0.91    | 0.196  |
| 3/8"           | 18 SWG  | 9.53     | 1.22    | 0.264  |
| 3/8"           | 18 BWG  | 9.53     | 1.24    | 0.257  |
| 3/8"           | 16 SWG  | 9.53     | 1.63    | 0.322  |
| 3/8"           | 16 BWG  | 9.53     | 1.65    | 0.326  |
| 3/8"           | 14 SWG  | 9.53     | 2.03    | 0.381  |
| 3/8"           | 14 BWG  | 9.53     | 2.11    | 0.391  |
| 1/2"           | 20 SWG  | 12.7     | 0.89    | 0.263  |
| 1/2"           | 20 BWG  | 12.7     | 0.91    | 0.268  |
| 1/2"           | 18 SWG  | 12.7     | 1.22    | 0.350  |
| 1/2"           | 18 BWG  | 12.7     | 1.24    | 0.356  |
| 1/2"           | 16 SWG  | 12.7     | 1.63    | 0.452  |
| 1/2"           | 16 BWG  | 12.7     | 1.65    | 0.456  |
| 1/2"           | 14 SWG  | 12.7     | 2.03    | 0.542  |
| 1/2"           | 14 BWG  | 12.7     | 2.11    | 0.559  |
| 5/8"           | 18 SWG  | 15.88    | 1.22    | 0.448  |
| 5/8"           | 18 BWG  | 15.88    | 1.24    | 0.454  |
| 5/8"           | 16 SWG  | 15.88    | 1.63    | 0.582  |
| 5/8"           | 16 BWG  | 15.88    | 1.65    | 0.588  |
| 3/4"           | 18 SWG  | 19.05    | 1.22    | 0.544  |
| 3/4"           | 18 BWG  | 19.05    | 1.24    | 0.553  |
| 3/4"           | 16 SWG  | 19.05    | 1.63    | 0.711  |
| 3/4"           | 16 BWG  | 19.05    | 1.65    | 0.718  |
| 3/4"           | 14 BWG  | 19.05    | 2.11    | 0.895  |
| 3/4"           | 13 BWG  | 19.05    | 2.14    | 1.00   |
| 3/4"           | 12 BWG  | 19.05    | 2.77    | 1.13   |
| 1"             | 18 SWG  | 25.4     | 1.22    | 0.739  |
| 1"             | 18 BWG  | 25.4     | 1.24    | 0.750  |
| 1"             | 16 BWG  | 25.4     | 1.65    | 0.981  |
| 1"             | 14 BWG  | 25.4     | 2.11    | 1.23   |
| 1"             | 13 BWG  | 25.4     | 2.14    | 1.39   |
| -              |         | 25.4     | 3.20    | 1.78   |

## DIÁMETRO NOMINAL

| Diám. Pulgadas | Espesor | Diám. mm | Espesor | kg/mt. |
|----------------|---------|----------|---------|--------|
| 1/8"           | 40S     | 10.29    | 1.73    | 0.4    |
| 1/8"           | 80S     | 10.29    | 2.41    | 0.5    |
| 1/4"           | 10S     | 13.72    | 1.65    | 0.50   |
| 1/4"           | 40S     | 13.72    | 2.24    | 0.64   |
| 1/4"           | 80S     | 13.72    | 3.02    | 0.81   |
| 3/8"           | 10S     | 17.15    | 1.65    | 0.64   |
| 3/8"           | 40S     | 17.15    | 2.31    | 0.86   |
| 3/8"           | 80S     | 17.15    | 3.20    | 1.12   |
| 1/2"           | 10S     | 21.34    | 2.11    | 1.02   |
| 1/2"           | 40S     | 21.34    | 2.77    | 1.29   |
| 1/2"           | 80S     | 21.34    | 3.73    | 1.65   |
| 1/2"           | 160S    | 21.34    | 4.78    | 1.98   |
| 3/4"           | 10S     | 26.67    | 2.11    | 1.30   |
| 3/4"           | 40S     | 26.67    | 2.87    | 1.71   |
| 3/4"           | 80S     | 26.67    | 3.91    | 2.23   |
| 3/4"           | 160S    | 26.67    | 5.56    | 2.94   |
| 1"             | 10S     | 33.40    | 2.77    | 2.13   |
| 1"             | 40S     | 33.40    | 3.38    | 2.54   |
| 1"             | 80S     | 33.40    | 4.55    | 3.29   |
| 1"             | 160S    | 33.40    | 6.35    | 4.30   |
| 1¼"            | 10S     | 42.16    | 2.77    | 2.73   |
| 1¼"            | 40S     | 42.16    | 3.56    | 3.44   |
| 1¼"            | 80S     | 42.16    | 4.85    | 4.53   |
| 1¼"            | 160S    | 42.16    | 6.35    | 5.69   |
| 1½"            | 10S     | 48.26    | 2.77    | 3.16   |
| 1½"            | 40S     | 48.26    | 3.68    | 4.11   |
| 1½"            | 80S     | 48.26    | 5.08    | 5.49   |
| 1½"            | 160S    | 48.26    | 7.14    | 7.35   |
| 2"             | 10S     | 60.33    | 2.77    | 3.99   |
| 2"             | 40S     | 60.33    | 3.68    | 5.52   |
| 2"             | 80S     | 60.33    | 5.08    | 7.60   |
| 2"             | 160S    | 60.33    | 8.74    | 11.29  |
| 2½"            | 10S     | 73.03    | 3.05    | 5.35   |
| 2½"            | 40S     | 73.03    | 5.16    | 8.77   |
| 2½"            | 80S     | 73.03    | 7.01    | 11.59  |
| 2½"            | 160S    | 73.03    | 9.53    | 15.15  |
| 3"             | 10S     | 88.90    | 3.05    | 6.56   |
| 3"             | 40S     | 88.90    | 5.49    | 11.47  |
| 3"             | 80S     | 88.90    | 7.62    | 15.51  |
| 3"             | 160S    | 88.90    | 11.13   | 21.67  |
| 3½"            | 10S     | 101.60   | 3.05    | 7.53   |
| 3½"            | 40S     | 101.60   | 5.74    | 13.78  |
| 3½"            | 80S     | 101.60   | 8.08    | 18.92  |
| 4"             | 10S     | 114.30   | 3.05    | 8.50   |
| 4"             | 40S     | 114.30   | 6.02    | 16.32  |
| 4"             | 80S     | 114.30   | 8.56    | 22.67  |
| 4"             | 160S    | 114.30   | 13.49   | 34.05  |
| 5"             | 10S     | 141.30   | 3.40    | 11.6   |
| 5"             | 40S     | 141.30   | 6.55    | 22.10  |
| 5"             | 80S     | 141.30   | 9.53    | 31.44  |
| 5"             | 160S    | 141.30   | 15.88   | 49.87  |
| 6"             | 10S     | 168.28   | 3.4     | 14.04  |
| 6"             | 40S     | 168.28   | 7.11    | 28.69  |
| 6"             | 80S     | 168.28   | 10.97   | 43.21  |
| 6"             | 120S    | 168.28   | 14.27   | 54.75  |
| 6"             | 160S    | 168.28   | 18.26   | 68.59  |
| 8"             | 10S     | 219.08   | 3.76    | 20.0   |
| 8"             | 40S     | 219.08   | 8.18    | 43.20  |
| 8"             | 80S     | 219.08   | 12.7    | 65.63  |
| 8"             | 120S    | 219.08   | 18.23   | 91.30  |
| 8"             | 160S    | 219.08   | 23.01   | 112.97 |
| 10"            | 10S     | 273.05   | 4.19    | 27.8   |
| 10"            | 40S     | 273.05   | 9.27    | 60.3   |
| 10"            | 80S     | 273.05   | 12.70   | 81.6   |
| 12"            | 10S     | 323.85   | 4.57    | 36     |
| 12"            | 40S     | 323.85   | 9.53    | 73.9   |
| 12"            | 80S     | 323.85   | 12.70   | 97.5   |