

## Tubería para conducción

| Diámetro<br>pulg | Cédula | Diámetro Exterior |        | Espesor |      | Presión<br>ib/in2 | Hidrostática |        | Peso  |                     |                  |                 | Empaque<br>Tubos por<br>atado |
|------------------|--------|-------------------|--------|---------|------|-------------------|--------------|--------|-------|---------------------|------------------|-----------------|-------------------------------|
|                  |        | pulg              | mm     | pulg    | mm   |                   | kg/cm2       | ib/pie | kg/m  | kg/tubo<br>3.20 mts | kg/ por<br>atado | kg x 21<br>pies |                               |
| 1/2              | 40     | 5/6               | 21.34  | 0.109   | 2.77 | 700               | 49           | 0.85   | 1.27  | 4.005               | 1030.36          | 17.887          | 127                           |
|                  | 80     | 0.840             | 21.34  | 0.147   | 3.73 | 850               | 60           | 1.09   | 1.62  | 5.185               | 1317.33          | 22.869          | 127                           |
| 3/4              | 40     | 1.050             | 26.67  | 0.113   | 2.87 | 700               | 49           | 1.13   | 1.68  | 5.39                | 1369.19          | 23.769          | 127                           |
|                  | 80     | 1.050             | 26.67  | 0.154   | 3.91 | 850               | 60           | 1.48   | 2.2   | 7.025               | 1784.32          | 30.976          | 127                           |
| 1                | 40     | 1.315             | 33.40  | 0.133   | 3.38 | 700               | 49           | 1.68   | 2.5   | 8                   | 1456.64          | 35.291          | 91                            |
|                  | 80     | 1.315             | 33.40  | 0.179   | 4.55 | 850               | 60           | 2.17   | 3.24  | 10.35               | 1884.14          | 45.649          | 91                            |
| 1 1/4            | 40     | 1.660             | 42.16  | 0.140   | 3.56 | 1000              | 70           | 2.27   | 3.39  | 10.835              | 1971.76          | 47.711          | 91                            |
|                  | 80     | 1.660             | 42.16  | 0.191   | 4.85 | 1500              | 105          | 3      | 4.46  | 14.285              | 1742.71          | 62.987          | 61                            |
| 1 1/2            | 40     | 1.900             | 48.26  | 0.145   | 3.68 | 1000              | 70           | 2.72   | 4.05  | 12.996              | 2357.91          | 57.127          | 91                            |
|                  | 80     | 1.900             | 48.26  | 0.200   | 5.08 | 1500              | 105          | 3.63   | 5.41  | 17.31               | 2111.78          | 76.327          | 61                            |
| 2                | 40     | 2.375             | 60.33  | 0.154   | 3.91 | 2300              | 162          | 3.66   | 5.44  | 17.39               | 2124.42          | 76.783          | 61                            |
|                  | 80     | 2.375             | 60.33  | 0.218   | 5.54 | 2500              | 176          | 5.03   | 7.48  | 23.94               | 1771.53          | 105.561         | 37                            |
| 2 1/2            | 40     | 2.375             | 73.03  | 0.156   | 3.96 | 2500              | 176          | 4.53   | 6.75  | 21.595              | 1598             | 95.221          | 37                            |
|                  | 80     | 2.375             | 73.03  | 0.203   | 5.19 | 1950              | 137          | 5.8    | 8.63  | 27.615              | 2043.5           | 121.767         | 37                            |
| 3                | 40     | 3.500             | 88.90  | 0.216   | 5.49 | 2200              | 155          | 7.58   | 11.29 | 36.115              | 1372.31          | 159.241         | 19                            |
|                  | NX     | 3.500             | 88.90  | 0.170   | 4.32 | 1930              | 136          | 6.05   | 9.01  | 28.82               | 1095.18          | 127.084         | 19                            |
| 4                | 40     | 4.500             | 114.30 | 0.237   | 6.02 | 1900              | 134          | 10.8   | 16.07 | 51.435              | 1954.6           | 226.809         | 19                            |
|                  | NX     | 4.500             | 114.30 | 0.188   | 4.78 | 1500              | 105          | 8.67   | 12.9  | 41.27               | 1568.31          | 181.984         | 19                            |
| 6                | 40     | 6.625             | 168.28 | 0.280   | 7.11 | 1500              | 105          | 18.99  | 28.27 | 90.45               | 1808.96          | 398.829         | 10                            |
|                  | NX     | 6.625             | 168.28 | 0.219   | 5.56 | 1190              | 84           | 15     | 22.32 | 71.425              | 1428.47          | 314.94          | 10                            |