

| Diam. nominal du tuyau<br>D.E. - diamètre extérieur - pouces<br>DN |                                                              | 1/8<br>0.405<br>6mm      | 1/4<br>0.540<br>8mm      | 3/8<br>0.675<br>10mm     | 1/2<br>0.840<br>15mm     | 3/4<br>1.050<br>20mm    | 1<br>1.315<br>25mm      | 1 1/4<br>1.660<br>32mm  | 1 1/2<br>1.900<br>40mm  | 2<br>2.375<br>50mm      | 2 1/2<br>2.875<br>65mm   | 3<br>3.500<br>80mm       | 3 1/2<br>4.000<br>90mm   | 4<br>4.500<br>100mm      | 4 1/2<br>5.000<br>115mm  | 5<br>5.563<br>125mm      | 6<br>6.625<br>150mm      | 7<br>7.625<br>175mm      | 8<br>8.625<br>200mm      | 9<br>9.625<br>225mm     | 10<br>10.750<br>250mm     |
|--------------------------------------------------------------------|--------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|---------------------------|
| SS                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          | 11607<br>0.065<br>0.5383 | 9286<br>0.065<br>0.684  | 7414<br>0.065<br>0.868  | 5873<br>0.065<br>1.107  | 5132<br>0.065<br>1.274  | 4105<br>0.065<br>1.604  | 4330<br>0.083<br>2.475   | 3557<br>0.083<br>3.029   | 3112<br>0.083<br>3.472   | 2767<br>0.083<br>3.915   |                          | 2939<br>0.109<br>6.349   | 2468<br>0.109<br>7.585   |                          | 1896<br>0.109<br>9.914   |                         | 1870<br>0.134<br>15.190   |
| 5                                                                  | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds | 12963<br>0.035<br>0.1383 | 13611<br>0.049<br>0.2570 | 10889<br>0.049<br>0.3276 | 11607<br>0.065<br>0.5383 | 9286<br>0.065<br>0.684  | 7414<br>0.065<br>0.868  | 5873<br>0.065<br>1.107  | 5132<br>0.065<br>1.274  | 4105<br>0.065<br>1.604  | 4330<br>0.083<br>2.475   | 3557<br>0.083<br>3.029   | 3112<br>0.083<br>3.472   | 2767<br>0.083<br>3.915   |                          | 2939<br>0.109<br>6.349   | 2468<br>0.109<br>7.585   |                          | 1896<br>0.109<br>9.914   |                         | 1870<br>0.134<br>15.190   |
| 10S                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds | 18148<br>0.049<br>0.1863 | 18056<br>0.065<br>0.3297 | 14444<br>0.065<br>0.4235 | 14821<br>0.083<br>0.6710 | 11857<br>0.083<br>0.857 | 12433<br>0.109<br>1.404 | 9849<br>0.109<br>1.806  | 8605<br>0.109<br>2.085  | 6884<br>0.109<br>2.638  | 6261<br>0.120<br>3.531   | 5143<br>0.120<br>4.332   | 4500<br>0.120<br>4.937   | 4000<br>0.120<br>5.613   |                          | 3613<br>0.134<br>7.770   | 3034<br>0.134<br>9.290   |                          | 2574<br>0.148<br>13.400  |                         | 2302<br>0.165<br>18.650   |
| 10                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds | 18148<br>0.049<br>0.1863 | 18056<br>0.065<br>0.3297 | 14444<br>0.065<br>0.4235 | 14821<br>0.083<br>0.6710 | 11857<br>0.083<br>0.857 | 12433<br>0.109<br>1.404 | 9849<br>0.109<br>1.806  | 8605<br>0.109<br>2.085  | 6884<br>0.109<br>2.638  | 6261<br>0.120<br>3.531   | 5143<br>0.120<br>4.332   | 4500<br>0.120<br>4.937   | 4000<br>0.120<br>5.613   |                          | 3613<br>0.134<br>7.770   | 3034<br>0.134<br>9.290   |                          | 2574<br>0.148<br>13.400  |                         | 2302<br>0.165<br>18.650   |
| 20                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          |                          |                         |                         |                         |                         |                         |                          |                          |                          |                          |                          |                          |                          |                          | 4347<br>0.250<br>22.360  |                         | 3488<br>0.250<br>28.040   |
| 30                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          |                          |                         |                         |                         |                         |                         |                          |                          |                          |                          |                          |                          |                          |                          | 4817<br>0.277<br>24.700  |                         | 4283<br>0.307<br>34.240   |
| 40S                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds | 25185<br>0.068<br>0.2447 | 24444<br>0.088<br>0.4248 | 20222<br>0.091<br>0.5676 | 19464<br>0.109<br>0.8510 | 16143<br>0.113<br>1.131 | 15171<br>0.133<br>1.679 | 12651<br>0.140<br>2.273 | 11447<br>0.145<br>2.718 | 9726<br>0.154<br>3.653  | 10591<br>0.203<br>5.793  | 9257<br>0.216<br>7.576   | 8475<br>0.226<br>9.109   | 7900<br>0.237<br>10.790  | 7410<br>0.247<br>12.540  | 6957<br>0.258<br>14.620  | 6340<br>0.280<br>18.970  | 5921<br>0.301<br>23.540  | 5600<br>0.322<br>28.550  | 5330<br>0.342<br>33.910 | 5093<br>0.365<br>40.480   |
| 40                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds | 25185<br>0.068<br>0.2447 | 24444<br>0.088<br>0.4248 | 20222<br>0.091<br>0.5676 | 19464<br>0.109<br>0.8510 | 16143<br>0.113<br>1.131 | 15171<br>0.133<br>1.679 | 12651<br>0.140<br>2.273 | 11447<br>0.145<br>2.718 | 9726<br>0.154<br>3.653  | 10591<br>0.203<br>5.793  | 9257<br>0.216<br>7.576   | 8475<br>0.226<br>9.109   | 7900<br>0.237<br>10.790  |                          | 6957<br>0.258<br>14.620  | 6340<br>0.280<br>18.970  |                          | 5600<br>0.322<br>28.550  |                         | 5093<br>0.365<br>40.480   |
| 60                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          |                          |                         |                         |                         |                         |                         |                          |                          |                          |                          |                          |                          |                          |                          | 7060<br>0.406<br>35.640  |                         | 6977<br>0.500<br>54.740   |
| 80S x XS                                                           | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds | 35185<br>0.095<br>0.3145 | 33056<br>0.119<br>0.5351 | 28000<br>0.126<br>0.7388 | 26250<br>0.147<br>1.0880 | 22000<br>0.154<br>1.474 | 20418<br>0.179<br>2.172 | 17259<br>0.191<br>2.997 | 15789<br>0.200<br>3.631 | 13768<br>0.218<br>5.022 | 14400<br>0.276<br>7.661  | 12857<br>0.300<br>10.250 | 11925<br>0.318<br>12.510 | 11233<br>0.337<br>14.980 | 10650<br>0.355<br>17.610 | 10111<br>0.375<br>20.780 | 9781<br>0.432<br>28.570  | 9836<br>0.500<br>38.040  | 8696<br>0.500<br>43.390  | 7792<br>0.500<br>48.730 | 6977<br>0.500<br>54.740   |
| 80                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds | 35185<br>0.095<br>0.3145 | 33056<br>0.119<br>0.5351 | 28000<br>0.126<br>0.7388 | 26250<br>0.147<br>1.0880 | 22000<br>0.154<br>1.474 | 20418<br>0.179<br>2.172 | 17259<br>0.191<br>2.997 | 15789<br>0.200<br>3.631 | 13768<br>0.218<br>5.022 | 14400<br>0.276<br>7.661  | 12857<br>0.300<br>10.250 | 11925<br>0.318<br>12.510 | 11233<br>0.337<br>14.980 |                          | 10111<br>0.375<br>20.780 | 9781<br>0.432<br>28.570  |                          | 8696<br>0.500<br>43.390  |                         | 8288<br>0.594<br>64.430   |
| 100                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          |                          |                         |                         |                         |                         |                         |                          |                          |                          |                          |                          |                          |                          |                          | 10330<br>0.594<br>50.950 |                         | 10033<br>0.719<br>77.030  |
| 120                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          |                          |                         |                         |                         |                         |                         |                          |                          |                          | 14600<br>0.437<br>19.000 |                          | 13482<br>0.500<br>27.040 | 12725<br>0.562<br>36.390 |                          | 12504<br>0.719<br>60.710 |                         | 11777<br>0.844<br>89.20   |
| 140                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          |                          |                         |                         |                         |                         |                         |                          |                          |                          |                          |                          |                          |                          |                          | 14121<br>0.812<br>67.670 |                         | 13953<br>1<br>104.100     |
| 160                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          | 33393<br>0.187<br>1.304  | 31143<br>0.218<br>1.937 | 28517<br>0.25<br>2.844  | 22590<br>0.25<br>3.765  | 22184<br>0.281<br>4.859 | 21726<br>0.344<br>7.444 | 19565<br>0.375<br>10.010 | 18729<br>0.437<br>14.320 |                          | 17700<br>0.531<br>22.510 |                          | 16852<br>0.625<br>32.960 | 16279<br>0.719<br>43.350 |                          | 15756<br>0.906<br>74.790 |                         | 15697<br>1.125<br>115.600 |
| XXS                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                          |                          |                          | 52500<br>0.294<br>1.714  | 44000<br>0.308<br>2.441 | 40837<br>0.358<br>3.659 | 34518<br>0.382<br>5.214 | 31578<br>0.400<br>6.408 | 27537<br>0.436<br>9.029 | 28800<br>0.552<br>13.700 | 25714<br>0.600<br>18.580 | 23850<br>0.636<br>22.850 | 22466<br>0.674<br>27.540 | 21300<br>0.710<br>32.53  | 20223<br>0.750<br>38.550 | 19562<br>0.864<br>53.160 | 17213<br>0.875<br>63.080 | 15217<br>0.875<br>72.420 |                         |                           |

DIMENSIONS ET POIDS DES TUYAUX - Acier Inoxydable, Carbone et Alliages Spécifiques

| 11                      | 12                        | 14                        | 16                        | 18                        | 20                        | 22                      | 24                        | 26                       | 28                       | 30                       | 32                       | 34                       | 36                       | 40                       | 44                       | 48                                                                                                                                                                            | 52                       | 56                       | 60                       | Diam. nominal du tuyau<br>D.E. - diamètre extérieur - pouces<br>DN |                                                              |                                                              |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| 11.750<br>275mm         | 12.750<br>300mm           | 14.000<br>350mm           | 16.000<br>400mm           | 18.000<br>450mm           | 20.000<br>500mm           | 22.000<br>550mm         | 24.000<br>600mm           | 26.000<br>650mm          | 28.000<br>700mm          | 30.000<br>750mm          | 32.000<br>800mm          | 34.000<br>850mm          | 36.000<br>900mm          | 40.000<br>1000mm         | 44.000<br>1100mm         | 48.000<br>1200mm                                                                                                                                                              | 52.000<br>1300mm         | 56.000<br>1400mm         | 60.000<br>1500mm         | 55                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 1835<br>0.156<br>21.070   | 1671<br>0.156<br>23.070   | 1546<br>0.165<br>27.900   | 1375<br>0.165<br>31.430   | 1410<br>0.188<br>39.780   | 1281<br>0.188<br>43.880 | 1362<br>0.218<br>55.370   |                          |                          | 1250<br>0.250<br>79.430  |                          |                          |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          | 5                                                                  | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 1941<br>0.165<br>22.18    |                           |                           |                           |                           |                         |                           |                          |                          |                          |                          |                          |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          |                                                                    | 5                                                            | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |
|                         | 2118<br>0.180<br>24.160   | 2014<br>0.188<br>27.730   | 1762<br>0.188<br>31.750   | 1566<br>0.188<br>35.760   | 1635<br>0.218<br>46.050   | 1486<br>0.218<br>50.690 | 1563<br>0.250<br>63.410   |                          |                          | 1560<br>0.312<br>98.930  |                          |                          |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          | 105                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 2118<br>0.180<br>24.160   | 2679<br>0.250<br>36.710   | 2344<br>0.250<br>42.050   | 2083<br>0.250<br>47.390   | 1875<br>0.250<br>52.730   |                         | 1563<br>0.250<br>63.410   | 1800<br>0.312<br>85.600  | 1671<br>0.312<br>92.260  | 1560<br>0.312<br>98.930  | 1462<br>0.312<br>105.590 | 1376<br>0.312<br>112.250 | 1300<br>0.312<br>118.920 |                          |                          |                                                                                                                                                                               |                          |                          |                          | 10                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 2941<br>0.250<br>33.380   | 3343<br>0.312<br>45.610   | 2925<br>0.312<br>52.270   | 2600<br>0.312<br>58.940   | 2812<br>0.375<br>78.600   |                         | 2343<br>0.375<br>96.420   | 2885<br>0.500<br>136.170 | 2679<br>0.500<br>146.850 | 2500<br>0.500<br>157.530 | 2343<br>0.500<br>168.210 | 2205<br>0.500<br>178.890 |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          | 20                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 3882<br>0.330<br>43.770   | 4017<br>0.375<br>54.570   | 3515<br>0.375<br>62.580   | 3650<br>0.438<br>82.100   | 3750<br>0.500<br>104.100  |                         | 3512<br>0.562<br>140.700  |                          | 3348<br>0.625<br>182.730 | 3125<br>0.625<br>196.080 | 2929<br>0.625<br>209.430 | 2757<br>0.625<br>222.780 | 2604<br>0.625<br>236.130 |                          |                          |                                                                                                                                                                               |                          |                          |                          | 30                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
| 4787<br>0.375<br>45.560 | 4412<br>0.375<br>49.560   | 4018<br>0.375<br>54.570   | 3516<br>0.375<br>62.580   | 3125<br>0.375<br>70.590   | 2812<br>0.375<br>78.600   |                         | 2344<br>0.375<br>94.620   | 2163<br>0.375<br>102.630 | 2008<br>0.375<br>110.640 | 1875<br>0.375<br>118.650 | 1757<br>0.375<br>126.660 | 1654<br>0.375<br>134.670 | 1562<br>0.375<br>142.680 | 1406<br>0.375<br>158.700 | 1278<br>0.375<br>174.720 | 1171<br>0.375<br>190.740                                                                                                                                                      | 1081<br>0.375<br>206.760 | 1004<br>0.375<br>222.780 | 937<br>0.375<br>238.800  | 405                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 4776<br>0.406<br>53.520   | 4692<br>0.438<br>63.440   | 4687<br>0.500<br>82.770   | 4683<br>0.562<br>104.700  | 4455<br>0.594<br>123.100  |                         | 4300<br>0.688<br>171.300  |                          |                          |                          | 3225<br>0.688<br>230.080 | 3035<br>0.688<br>244.770 | 3125<br>0.750<br>282.350 |                          |                          |                                                                                                                                                                               | 2163<br>0.750<br>410.510 | 2008<br>0.750<br>442.550 | 1875<br>0.750<br>474.590 | 40                                                                 | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 6611<br>0.562<br>73.150   | 6364<br>0.594<br>85.050   | 6150<br>0.656<br>107.500  | 6250<br>0.750<br>138.200  | 6090<br>0.812<br>166.400  |                         | 6056<br>0.969<br>238.400  |                          |                          |                          |                          |                          |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          |                                                                    | 60                                                           | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |
| 6383<br>0.500<br>60.080 | 5882<br>0.500<br>65.420   | 5357<br>0.500<br>72.090   | 4688<br>0.500<br>82.770   | 4167<br>0.500<br>93.450   | 3750<br>0.500<br>104.100  |                         | 3125<br>0.500<br>125.500  | 2885<br>0.500<br>136.170 |                          | 2500<br>0.500<br>157.530 | 2343<br>0.500<br>168.210 |                          | 2083<br>0.500<br>189.570 | 1875<br>0.500<br>210.930 | 1705<br>0.500<br>232.290 | 1562<br>0.500<br>253.650                                                                                                                                                      | 1442<br>0.500<br>275.010 | 1339<br>0.500<br>296.370 | 1250<br>0.500<br>317.730 | 805 x XS                                                           | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 8094<br>0.688<br>88.630   | 8035<br>0.750<br>106.100  | 7912<br>0.844<br>136.600  | 7817<br>0.938<br>170.900  | 7733<br>1.031<br>208.900  |                         | 7619<br>1.219<br>296.600  |                          |                          |                          |                          |                          |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          |                                                                    | 80                                                           | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |
|                         | 9929<br>0.844<br>107.300  | 10050<br>0.938<br>130.900 | 9665<br>1.031<br>164.800  | 9633<br>1.156<br>208.000  | 9607<br>1.281<br>256.100  |                         | 9569<br>1.531<br>367.400  |                          |                          |                          |                          |                          |                          |                          |                          | PRESSION D'UTILISATION POUR LES TUYAUX<br>T304 ET T316 A312 ENTRE -20°F ET 100°F.<br>LE CODE ASME SUGGÈRE UN FACTEUR DE<br>SÉCURITÉ DE QUATRE.<br>E.G. 1" CÉD 40 = 3793 P.S.I |                          |                          |                          | 100                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 11765<br>1.000<br>125.500 | 11721<br>1.094<br>150.800 | 11428<br>1.219<br>192.400 | 11458<br>1.375<br>244.100 | 11250<br>1.500<br>296.400 |                         | 11325<br>1.812<br>429.400 |                          |                          |                          |                          |                          |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          | 120                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 13235<br>1.125<br>136.700 | 13393<br>1.25<br>170.200  | 13481<br>1.438<br>223.600 | 13016<br>1.562<br>274.200 | 13125<br>1.75<br>341.100  |                         | 12888<br>2.062<br>483.100 |                          |                          |                          |                          |                          |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          | 140                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         | 15435<br>1.312<br>160.300 | 15064<br>1.406<br>189.100 | 14943<br>1.594<br>245.300 | 14842<br>1.781<br>308.500 | 14767<br>1.969<br>379.200 |                         | 14650<br>2.344<br>542.100 |                          |                          |                          |                          |                          |                          |                          |                          |                                                                                                                                                                               |                          |                          |                          | 160                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         |                           |                           |                           |                           |                           |                         |                           |                          |                          |                          |                          |                          |                          |                          |                          | 300°F      500°F      1000°F                                                                                                                                                  |                          |                          |                          | XXS                                                                | pression d'éclatement<br>épaisseur de paroi<br>poids / pieds |                                                              |
|                         |                           |                           |                           |                           |                           |                         |                           |                          |                          |                          |                          |                          |                          |                          |                          | T304                                                                                                                                                                          | .828                     | .774                     | .665                     |                                                                    |                                                              |                                                              |
|                         |                           |                           |                           |                           |                           |                         |                           |                          |                          |                          |                          |                          |                          |                          |                          | T316                                                                                                                                                                          | .900                     | .853                     | .746                     |                                                                    |                                                              |                                                              |

LES INFORMATIONS PRÉSENTÉES CI-DESSUS SONT DES VALEURS TYPQUES ET MOYENNES  
ET N'AFFIRMENT PAS LA GARANTIE DES VALEURS MINIMALES ET MAXIMALES.