



| SERIES TYPE & NAME      | BB HGT | BB THK | PED MAX | LBS./SF               |        | LOAD/ DEFLECT | CLEAR SPAN |       |       |       |       |       |              |              |              |              |              |              |              |       |              |       |              |              |       |    |    |    |    |    |
|-------------------------|--------|--------|---------|-----------------------|--------|---------------|------------|-------|-------|-------|-------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|--------------|-------|--------------|--------------|-------|----|----|----|----|----|
|                         |        |        |         | 15-W-4                | 15-W-2 |               | 12"        | 18"   | 24"   | 30"   | 36"   | 42"   | 48"          | 54"          | 60"          | 66"          | 72"          | 78"          | 84"          | 90"   | 96"          | 102"  | 108"         | 114"         | 120"  |    |    |    |    |    |
|                         |        |        |         | SGW-75-A & SGW-75-A-2 | 3/4"   |               | 1/8"       | 44"   | 5.0   | 5.9   | U     | 1800  | 800          | 450          | 288          | 200          | 147          | 113          | 89           | 72    | 60           | 50    | 43           | 37           | 32    | 28 | 25 | 22 | 20 | 18 |
| SGW-75 & SGW-75-2       | 3/4"   | 3/16"  | 49"     | 7.2                   | 8.1    | D             | 0.025      | 0.056 | 0.099 | 0.155 | 0.223 | 0.304 | 0.399        | 0.503        | 0.620        | 0.757        | 0.893        | 1.058        | 1.224        | 1.395 | 1.580        | 1.798 | 1.989        | 2.245        | 2.481 |    |    |    |    |    |
|                         |        |        |         |                       |        | C             | 900        | 600   | 450   | 360   | 300   | 257   | 225          | 200          | 180          | 164          | 150          | 138          | 129          | 120   | 113          | 106   | 100          | 95           | 90    |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.020      | 0.045 | 0.079 | 0.124 | 0.179 | 0.243 | <b>0.318</b> | 0.402        | 0.496        | 0.602        | 0.714        | 0.836        | 0.976        | 1.116 | 1.276        | 1.435 | 1.607        | 1.796        | 1.984 |    |    |    |    |    |
| SGW-100-A & SGW-100-A-2 | 1"     | 1/8"   | 55"     | 6.4                   | 7.3    | U             | 2700       | 1200  | 675   | 432   | 300   | 220   | 169          | 133          | 108          | 89           | 75           | 64           | 55           | 48    | 42           | 37    | 33           | 30           | 27    |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.025      | 0.056 | 0.099 | 0.155 | 0.223 | 0.303 | 0.398        | 0.501        | 0.621        | 0.749        | 0.894        | 1.050        | 1.214        | 1.396 | 1.581        | 1.775 | 1.990        | 2.246        | 2.482 |    |    |    |    |    |
|                         |        |        |         |                       |        | C             | 1350       | 900   | 675   | 540   | 450   | 386   | 338          | 300          | 270          | 245          | 225          | 208          | 193          | 180   | 169          | 159   | 150          | 142          | 135   |    |    |    |    |    |
| SGW-100 & SGW-100-2     | 1"     | 3/16"  | 60"     | 9.3                   | 10.2   | D             | 0.020      | 0.045 | 0.079 | 0.124 | 0.179 | 0.243 | 0.318        | <b>0.402</b> | 0.496        | 0.600        | 0.715        | 0.840        | 0.974        | 1.117 | 1.273        | 1.436 | 1.608        | 1.791        | 1.986 |    |    |    |    |    |
|                         |        |        |         |                       |        | U             | 3200       | 1422  | 800   | 512   | 356   | 261   | 200          | 158          | 128          | 106          | 89           | 76           | 65           | 57    | 50           | 44    | 40           | 35           | 32    |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.019      | 0.042 | 0.075 | 0.116 | 0.168 | 0.228 | 0.298        | 0.377        | 0.466        | 0.565        | 0.671        | 0.790        | 0.908        | 1.050 | 1.192        | 1.337 | 1.528        | 1.659        | 1.863 |    |    |    |    |    |
| SGW-125-A & SGW-125-A-2 | 1-1/4" | 1/8"   | 65"     | 7.9                   | 8.8    | C             | 1600       | 1067  | 800   | 640   | 533   | 457   | 400          | 356          | 320          | 291          | 267          | 246          | 229          | 213   | 200          | 188   | 178          | 168          | 160   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.015      | 0.034 | 0.060 | 0.093 | 0.134 | 0.182 | 0.238        | 0.302        | <b>0.373</b> | 0.451        | 0.537        | 0.629        | 0.731        | 0.837 | 0.954        | 1.075 | 1.208        | 1.341        | 1.490 |    |    |    |    |    |
|                         |        |        |         |                       |        | U             | 4800       | 2133  | 1200  | 768   | 533   | 392   | 300          | 237          | 192          | 159          | 133          | 114          | 98           | 85    | 75           | 66    | 59           | 53           | 48    |    |    |    |    |    |
| SGW-125 & SGW-125-2     | 1-1/4" | 3/16"  | 71"     | 11.3                  | 12.2   | D             | 0.019      | 0.042 | 0.074 | 0.116 | 0.167 | 0.228 | 0.298        | 0.377        | 0.466        | 0.564        | 0.669        | 0.789        | 0.913        | 1.043 | 1.192        | 1.337 | 1.502        | 1.675        | 1.862 |    |    |    |    |    |
|                         |        |        |         |                       |        | C             | 2400       | 1600  | 1200  | 960   | 800   | 686   | 600          | 533          | 480          | 436          | 400          | 369          | 343          | 320   | 300          | 282   | 267          | 253          | 240   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.015      | 0.034 | 0.060 | 0.093 | 0.134 | 0.183 | 0.238        | 0.301        | 0.372        | 0.450        | 0.536        | 0.629        | 0.730        | 0.838 | 0.953        | 1.075 | 1.208        | 1.346        | 1.490 |    |    |    |    |    |
| SGW-150-A & SGW-150-A-2 | 1-1/2" | 1/8"   | 74"     | 9.3                   | 10.2   | U             | 5000       | 2222  | 1250  | 800   | 556   | 408   | 313          | 247          | 200          | 165          | 139          | 118          | 102          | 89    | 78           | 69    | 62           | 55           | 50    |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.015      | 0.034 | 0.060 | 0.093 | 0.134 | 0.182 | 0.239        | 0.302        | 0.372        | 0.450        | 0.537        | 0.628        | 0.730        | 0.839 | 0.952        | 1.073 | 1.212        | 1.335        | 1.490 |    |    |    |    |    |
|                         |        |        |         |                       |        | C             | 2500       | 1667  | 1250  | 1000  | 833   | 714   | 625          | 556          | 500          | 455          | 417          | 385          | 357          | 333   | 313          | 294   | 278          | 263          | 250   |    |    |    |    |    |
| SGW-150 & SGW-150-2     | 1-1/2" | 3/16"  | 82"     | 13.5                  | 14.4   | D             | 0.012      | 0.027 | 0.048 | 0.074 | 0.107 | 0.146 | 0.191        | 0.242        | 0.298        | <b>0.361</b> | 0.429        | 0.504        | 0.584        | 0.670 | 0.764        | 0.861 | 0.966        | 1.075        | 1.192 |    |    |    |    |    |
|                         |        |        |         |                       |        | U             | 7500       | 3333  | 1875  | 1200  | 833   | 612   | 469          | 370          | 300          | 248          | 208          | 178          | 153          | 133   | 117          | 104   | 93           | 83           | 75    |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.015      | 0.034 | 0.060 | 0.093 | 0.134 | 0.182 | 0.238        | 0.301        | 0.372        | 0.451        | 0.535        | 0.631        | 0.730        | 0.836 | 0.952        | 1.078 | 1.212        | 1.343        | 1.490 |    |    |    |    |    |
| SGW-175 & SGW-175-2     | 1-3/4" | 3/16"  | 92"     | 15.6                  | 16.5   | C             | 3750       | 2500  | 1875  | 1500  | 1250  | 1071  | 938          | 833          | 750          | 682          | 625          | 577          | 536          | 500   | 469          | 441   | 417          | 395          | 375   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.012      | 0.027 | 0.048 | 0.074 | 0.107 | 0.146 | 0.191        | 0.241        | 0.298        | 0.361        | <b>0.429</b> | 0.504        | 0.584        | 0.670 | 0.763        | 0.861 | 0.966        | 1.076        | 1.192 |    |    |    |    |    |
|                         |        |        |         |                       |        | U             | 7200       | 3200  | 1800  | 1152  | 800   | 588   | 450          | 356          | 288          | 238          | 200          | 170          | 147          | 128   | 113          | 100   | 89           | 80           | 72    |    |    |    |    |    |
| SGW-200 & SGW-200-2     | 2"     | 3/16"  | 102"    | 17.7                  | 18.6   | D             | 0.012      | 0.028 | 0.050 | 0.078 | 0.112 | 0.152 | 0.199        | 0.252        | 0.310        | 0.375        | 0.447        | 0.523        | 0.609        | 0.698 | 0.798        | 0.900 | 1.007        | 1.123        | 1.241 |    |    |    |    |    |
|                         |        |        |         |                       |        | C             | 3600       | 2400  | 1800  | 1440  | 1200  | 1029  | 900          | 800          | 720          | 655          | 600          | 554          | 514          | 480   | 450          | 424   | 400          | 379          | 360   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.010      | 0.022 | 0.040 | 0.062 | 0.089 | 0.122 | 0.159        | 0.201        | 0.248        | 0.301        | 0.358        | <b>0.420</b> | 0.486        | 0.559 | 0.636        | 0.718 | 0.804        | 0.896        | 0.993 |    |    |    |    |    |
| SGW-225 & SGW-225-2     | 2-1/4" | 3/16"  | 111"    | 19.8                  | 20.7   | U             | 10800      | 4800  | 2700  | 1728  | 1200  | 882   | 675          | 533          | 432          | 357          | 300          | 256          | 220          | 192   | 169          | 149   | 133          | 120          | 108   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.012      | 0.028 | 0.050 | 0.078 | 0.112 | 0.152 | 0.199        | 0.251        | 0.310        | 0.375        | 0.447        | 0.525        | 0.607        | 0.698 | 0.796        | 0.894 | 1.003        | 1.123        | 1.241 |    |    |    |    |    |
|                         |        |        |         |                       |        | C             | 5400       | 3600  | 2700  | 2160  | 1800  | 1543  | 1350         | 1200         | 1080         | 982          | 900          | 831          | 771          | 720   | 675          | 635   | 600          | 568          | 540   |    |    |    |    |    |
| SGW-250 & SGW-250-2     | 2-1/2" | 3/16"  | 120"    | 21.9                  | 22.8   | D             | 0.010      | 0.022 | 0.040 | 0.062 | 0.089 | 0.122 | 0.159        | 0.201        | 0.248        | 0.300        | 0.358        | 0.420        | <b>0.486</b> | 0.559 | 0.636        | 0.717 | 0.804        | 0.896        | 0.993 |    |    |    |    |    |
|                         |        |        |         |                       |        | U             | 14700      | 6533  | 3675  | 2352  | 1633  | 1200  | 919          | 726          | 588          | 486          | 408          | 348          | 300          | 261   | 230          | 203   | 181          | 163          | 147   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.011      | 0.024 | 0.043 | 0.067 | 0.096 | 0.130 | 0.170        | 0.215        | 0.266        | 0.322        | 0.383        | 0.450        | 0.521        | 0.598 | 0.682        | 0.767 | 0.860        | 0.961        | 1.064 |    |    |    |    |    |
| SGW-225 & SGW-225-2     | 2-1/4" | 3/16"  | 111"    | 19.8                  | 20.7   | C             | 7350       | 4900  | 3675  | 2940  | 2450  | 2100  | 1838         | 1633         | 1470         | 1336         | 1225         | 1131         | 1050         | 980   | 919          | 865   | 817          | 774          | 735   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.009      | 0.019 | 0.034 | 0.053 | 0.077 | 0.104 | 0.136        | 0.172        | 0.213        | 0.257        | 0.306        | 0.360        | 0.417        | 0.479 | <b>0.545</b> | 0.615 | 0.690        | 0.769        | 0.851 |    |    |    |    |    |
|                         |        |        |         |                       |        | U             | 19200      | 8533  | 4800  | 3072  | 2133  | 1567  | 1200         | 948          | 768          | 635          | 533          | 454          | 392          | 341   | 300          | 266   | 237          | 213          | 192   |    |    |    |    |    |
| SGW-200 & SGW-200-2     | 2"     | 3/16"  | 102"    | 17.7                  | 18.6   | D             | 0.009      | 0.021 | 0.037 | 0.058 | 0.084 | 0.114 | 0.149        | 0.189        | 0.233        | 0.282        | 0.335        | 0.393        | 0.456        | 0.523 | 0.596        | 0.673 | 0.754        | 0.841        | 0.931 |    |    |    |    |    |
|                         |        |        |         |                       |        | C             | 9600       | 6400  | 4800  | 3840  | 3200  | 2743  | 2400         | 2133         | 1920         | 1745         | 1600         | 1477         | 1371         | 1280  | 1200         | 1129  | 1067         | 1011         | 960   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.007      | 0.017 | 0.030 | 0.047 | 0.067 | 0.091 | 0.119        | 0.151        | 0.186        | 0.225        | 0.268        | 0.315        | 0.365        | 0.419 | 0.477        | 0.538 | <b>0.603</b> | 0.673        | 0.745 |    |    |    |    |    |
| SGW-225 & SGW-225-2     | 2-1/4" | 3/16"  | 111"    | 19.8                  | 20.7   | U             | 24300      | 10800 | 6075  | 3888  | 2700  | 1984  | 1519         | 1200         | 972          | 803          | 675          | 575          | 496          | 432   | 380          | 336   | 300          | 269          | 243   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.008      | 0.019 | 0.033 | 0.052 | 0.074 | 0.101 | 0.132        | 0.168        | 0.207        | 0.250        | 0.298        | 0.350        | 0.406        | 0.466 | 0.530        | 0.597 | 0.670        | 0.746        | 0.828 |    |    |    |    |    |
|                         |        |        |         |                       |        | C             | 12150      | 8100  | 6075  | 4860  | 4050  | 3471  | 3038         | 2700         | 2430         | 2209         | 2025         | 1869         | 1736         | 1620  | 1519         | 1429  | 1350         | 1279         | 1215  |    |    |    |    |    |
| SGW-250 & SGW-250-2     | 2-1/2" | 3/16"  | 120"    | 21.9                  | 22.8   | D             | 0.007      | 0.015 | 0.026 | 0.041 | 0.060 | 0.081 | 0.106        | 0.134        | 0.166        | 0.200        | 0.238        | 0.280        | 0.324        | 0.372 | 0.424        | 0.478 | 0.536        | <b>0.598</b> | 0.662 |    |    |    |    |    |
|                         |        |        |         |                       |        | U             | 30000      | 13333 | 7500  | 4800  | 3333  | 2449  | 1875         | 1481         | 1200         | 992          | 833          | 710          | 612          | 533   | 469          | 415   | 370          | 332          | 300   |    |    |    |    |    |
|                         |        |        |         |                       |        | D             | 0.007      | 0.017 | 0.030 | 0.047 | 0.067 | 0.091 | 0.119        | 0.151        | 0.186        | 0.225        | 0.268        | 0.315        | 0.365        | 0.419 | 0.477        | 0.538 | 0.603        | 0.671        | 0.745 |    |    |    |    |    |
| SGW-250 & SGW-250-2     | 2-1/2" | 3/16"  | 120"    | 21.9                  | 22.8   | C             | 15000      | 10000 | 7500  | 6000  | 5000  | 4286  | 3750         | 3333         | 3000         | 2727         | 2500         | 2308         | 2143         | 2000  | 1875         | 1765  | 1667         | 1579         | 1500  |    |    |    |    |    |
|                         |        |        |         |                       |        | D             |            |       |       |       |       |       |              |              |              |              |              |              |              |       |              |       |              |              |       |    |    |    |    |    |