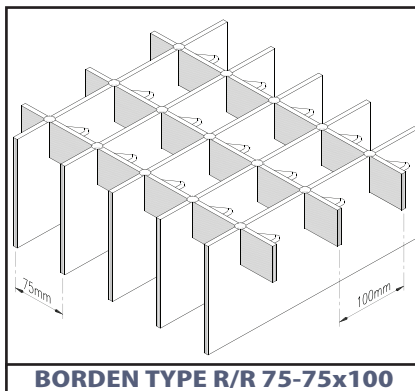


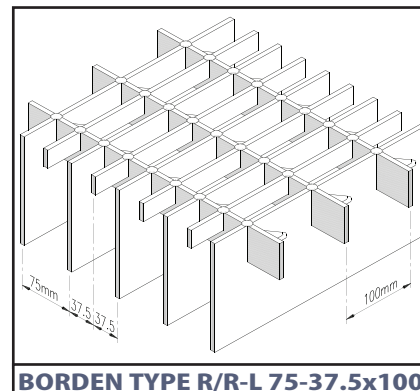
# BORDEN GRATINGS

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## Les Caillebotis De Chaussée Rectangulaires



**BORDEN TYPE R/R 75-75x100**



**BORDEN TYPE R/R-L 75-37.5x100**

### TABLEAU DES CHARGES

| Dimension de la barre porteuse | Poids                     |                             | Moment d'inertie | Module d'inertie | CAN/CSA-S6-06 CL-625<br>(po)<br>(mm)         |           |       |       |  |           |       |       | AASHTO HS20-1996<br>(po)<br>(mm) |           |       |       |
|--------------------------------|---------------------------|-----------------------------|------------------|------------------|--|-----------|-------|-------|--|-----------|-------|-------|----------------------------------|-----------|-------|-------|
|                                |                           |                             |                  |                  | Barres porteuses parallèles à la circulation |           |       |       | Barres porteuses perpendiculaires à la circulation |           |       |       |                                  |           |       |       |
|                                | R/R<br>lb/pi <sup>2</sup> | R/R-L<br>lb/pi <sup>2</sup> |                  |                  |  |           |       |       |  |           |       |       |                                  |           |       |       |
|                                | kg/m <sup>2</sup>         | kg/m <sup>2</sup>           |                  |                  | Résistance                                   | Déviation |       |       | Résistance   | Déviation |       |       | Résistance                       | Déviation |       |       |
|                                |                           |                             |                  |                  |  | L/800     | L/700 | L/600 |  | L/800     | L/700 | L/600 |                                  | L/800     | L/700 | L/600 |
| 4" x 1/4"                      | 17.68                     | 21.14                       | 5.194            | 2.284            | 35.2   | -         | -     | -     | 24.4   | -         | -     | -     | 42.6                             | 37.7      | 39.9  | -     |
| 102 x 6.35                     | 86.32                     | 103.21                      | 7.09E+06         | 1.23E+05         | 894  | -         | -     | -     | 620  | -         | -     | -     | 1082                             | 958       | 1013  | -     |
| 4 1/2" x 1/4"                  | 19.41                     | 22.87                       | 7.283            | 2.772            | 41.6   | -         | -     | -     | 27.1   | -         | -     | -     | 49.5                             | 43.7      | 46.4  | -     |
| 114 x 6.35                     | 94.77                     | 111.66                      | 9.95E+06         | 1.49E+05         | 1057   | -         | -     | -     | 688  | -         | -     | -     | 1257                             | 1110      | 1179  | -     |
| 5" x 1/4"                      | 21.14                     | 24.95                       | 9.876            | 3.320            | 48.9   | -         | -     | -     | 30.1   | -         | -     | -     | 57.4                             | 50.2      | 53.4  | 57.4  |
| 127 x 6.35                     | 103.21                    | 121.82                      | 1.35E+07         | 1.79E+05         | 1242   | -         | -     | -     | 765  | -         | -     | -     | 1458                             | 1275      | 1356  | 1458  |
| 5 1/2" x 1/4"                  | 22.87                     | 26.32                       | 13.033           | 3.942            | 57.1   | 56.8      | -     | -     | 33.6   | -         | -     | -     | 66.3                             | 57.1      | 60.8  | 65.4  |
| 140 x 6.35                     | 111.66                    | 128.51                      | 1.78E+07         | 2.12E+05         | 1450   | 1443      | -     | -     | 853  | -         | -     | -     | 1684                             | 1450      | 1544  | 1661  |
| 6" x 1/4"                      | 24.59                     | 28.05                       | 16.821           | 4.637            | 66.3   | 64.4      | -     | -     | 37.4   | -         | -     | -     | 76.2                             | 64.4      | 68.7  | 73.9  |
| 152 x 6.35                     | 120.06                    | 136.95                      | 2.30E+07         | 2.49E+05         | 1684   | 1636      | -     | -     | 950  | -         | -     | -     | 1935                             | 1636      | 1745  | 1877  |
| 6 1/2" x 1/4"                  | 26.32                     | 29.78                       | 21.303           | 5.409            | 76.5   | 72.4      | -     | -     | 41.7   | -         | -     | -     | 87.2                             | 72.1      | 76.9  | 82.9  |
| 165 x 6.35                     | 128.51                    | 145.40                      | 2.91E+07         | 2.91E+05         | 1943   | 1839      | -     | -     | 1059   | -         | -     | -     | 2215                             | 1831      | 1953  | 2106  |
| 7" x 1/4"                      | 28.05                     | 31.51                       | 26.546           | 6.259            | 87.8   | 80.8      | 86.3  | -     | 46.3   | -         | -     | -     | 99.3                             | 80.2      | 85.6  | 92.3  |
| 178 x 6.35                     | 136.95                    | 153.85                      | 3.63E+07         | 3.36E+05         | 2230   | 2052      | 2192  | -     | 1176   | -         | -     | -     | 2522                             | 2037      | 2174  | 2344  |