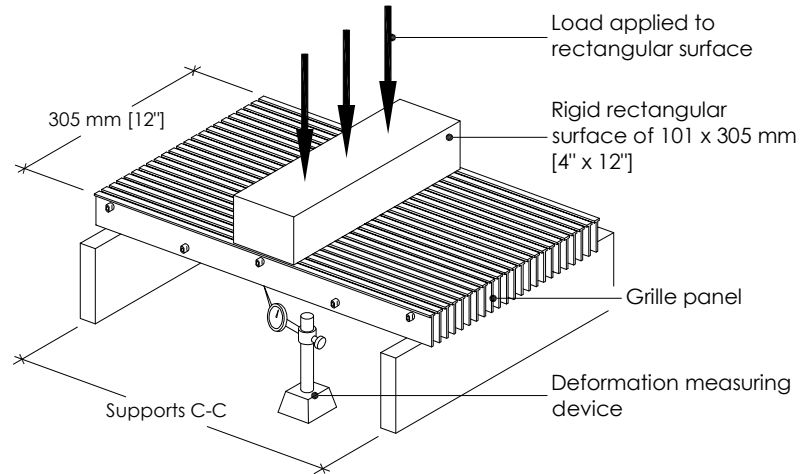


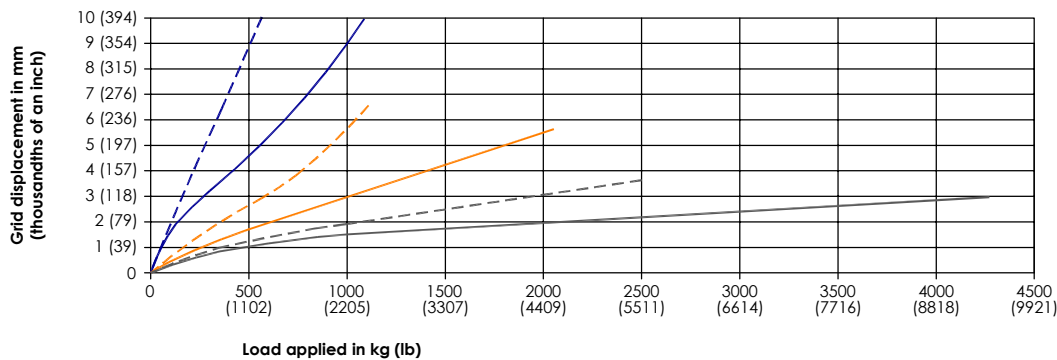
Deformation Tests

The following graph shows the elastic deformation* of grille sections subjected to a distributed load over a 101 x 305 mm (4" x 12") rigid rectangular surface, see drawing below. This type of grille has been tested** with 305 mm (12") wide grille sections with support spacing intervals of 203, 356 and 508 mm (8, 14, and 20") center to center. Beyond the limits shown in this graph, the grille sections will be permanently deformed.

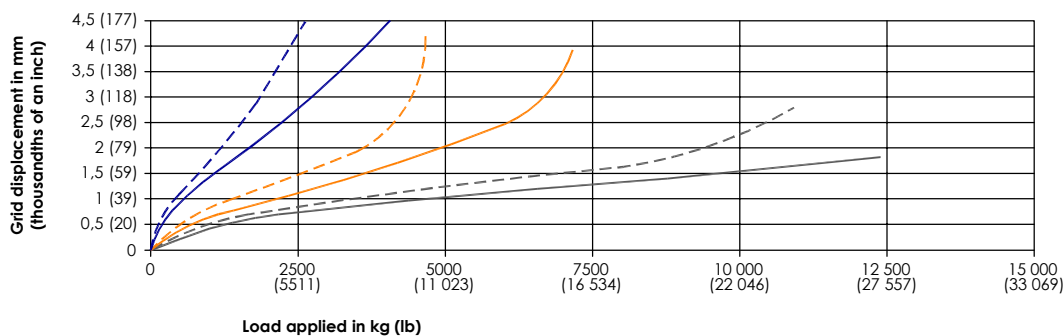
- * Elastic deformation: when the load is removed, the grille returns to its initial position.
- ** Tested at the CÉGEP de Lévis-Lauzon Metallurgy Laboratory using a tension and compression press. (SATEC System inc. - 60,000 lbs capacity)



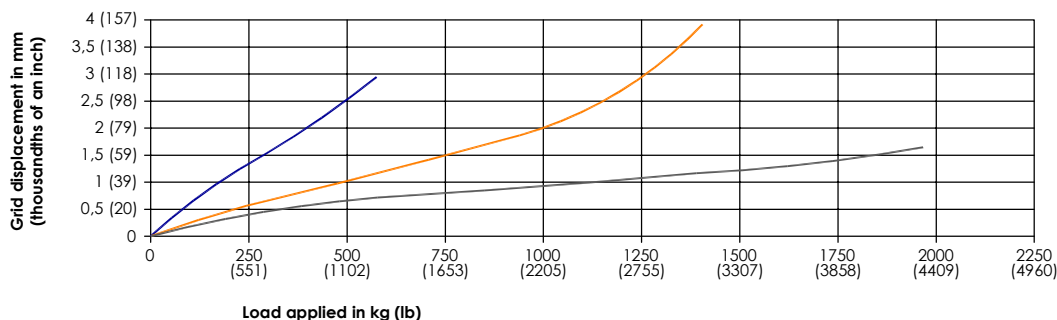
Graphic for 25 mm and 30 mm (1 in. and 1 1/4 in.) blade models



Graphic for 51 mm (2 in) blade models



Graphic for AT-4000 and AT-5000 models



LEGEND

- Non-riated blades : —
- Striated blades : - - -
- Supports C-C :
- 508 mm (20 po) : — (Blue)
- 356 mm (14 po) : — (Orange)
- 203 mm (8 po) : — (Grey)