



180 EAVES BEAM S390 (Prepainted) LOAD TABLE

**Single and Double Span Load Tables**

Tables based on wind load = 1 kN/m<sup>2</sup>

The self weight of the section has not been deducted from the loads given below.

Cladding must provide restraint to the top flange of the Eaves Beam

Eaves Beam Anti Sag support:

Anti sag support must be provided with all Eaves Beams for the data shown to be valid.

The frequency of use is based on the distance spanned and is listed underneath:

| Span  | No of Eaves Struts |
|-------|--------------------|
| < 6m  | 1                  |
| 6-10m | 2                  |
| < 12m | 3                  |

Section Weight: 6.37Kg/m

| Span<br>(m) | Total Working U.D.L.<br>(kN) | Deflection<br>Span / 180<br>(kN) | Ultimate Gravity<br>Load<br>(kN) | Ultimate Uplift<br>Load<br>(kN) |
|-------------|------------------------------|----------------------------------|----------------------------------|---------------------------------|
| 3.00        | 15.83                        | 50.68                            | 23.74                            | 25.87                           |
| 3.50        | 12.72                        | 37.23                            | 19.08                            | 21.48                           |
| 4.00        | 10.30                        | 28.51                            | 15.45                            | 18.09                           |
| 4.50        | 8.36                         | 22.52                            | 12.54                            | 15.38                           |
| 5.00        | 6.76                         | 18.24                            | 10.13                            | 13.13                           |
| 5.50        | 5.42                         | 15.08                            | 8.13                             | 11.22                           |
| 6.00        | 4.29                         | 12.67                            | 6.43                             | 9.14                            |
| 6.50        | 4.43                         | 10.80                            | 6.64                             | 10.81                           |
| 7.00        | 3.58                         | 9.31                             | 5.37                             | 9.72                            |
| 7.50        | 2.84                         | 8.11                             | 4.26                             | 8.75                            |
| 8.00        | 2.19                         | 7.13                             | 3.28                             | 7.88                            |
| 8.50        | 1.61                         | 6.31                             | 2.42                             | 7.00                            |
| 9.00        | 1.11                         | 5.63                             | 1.66                             | 6.10                            |
| 9.50        | 0.67                         | 5.05                             | 1.01                             | 5.29                            |
| 10.00       | 0.30                         | 4.56                             | 0.45                             | 4.57                            |