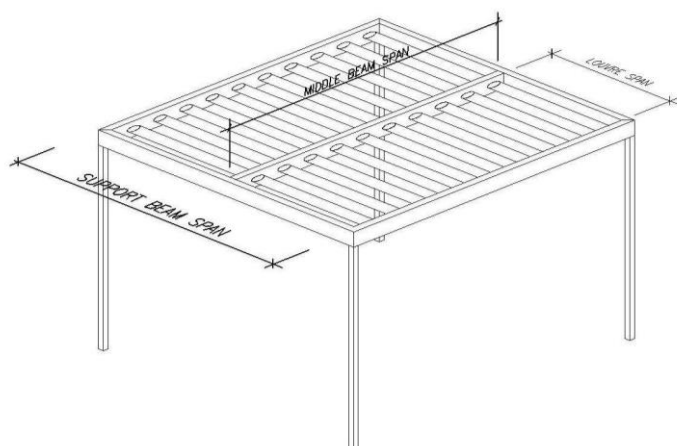




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200 Deep Louvre Solutions Edge Beam Supporting Middle Beam Safe Span In Metres



Louvre Solutions Edge Beam Supporting Middle Beam Safe Span In metres

| MIDDLE BEAM SPAN in metres | WIND LOADS | | | | SNOW LOADS | |
|----------------------------|---------------------|----------------------|--------------------|-------------------------|------------|-----------|
| | Light up to 32m/sec | Medium up to 37m/sec | High up to 44m/sec | Very High up to 50m/sec | 0.63kPa | 1.0kPa |
| 2.5 | 6.4 (8.0) | 5.4 (7.3) | 4.5 (6.4) | 3.9 (5.6) | 6.7 (8.0) | 5.5 (7.4) |
| 3.0 | 5.9 (7.7) | 5.0 (6.9) | 4.1 (5.8) | 3.6 (5.1) | 6.1 (7.9) | 5.0 (6.9) |
| 3.5 | 5.4 (7.3) | 4.6 (6.5) | 3.8 (5.4) | 3.3 (4.7) | 5.7 (7.5) | 4.7 (6.6) |
| 4.0 | 5.1 (7.0) | 4.3 (6.1) | 3.5 (5.0) | 3.1 (4.4) | 5.3 (7.2) | 4.4 (6.2) |
| 4.5 | 4.8 (6.7) | 4.0 (5.7) | 3.3 (4.7) | 2.9 (4.1) | 5.0 (6.9) | 4.1 (5.8) |
| 5.0 | 4.5 (6.4) | 3.8 (5.4) | 3.2 (4.5) | 2.8 (3.9) | 4.7 (6.7) | 3.9 (5.5) |
| 5.5 | 4.3 (6.1) | 3.7 (5.2) | 3.0 (4.3) | 2.6 (3.7) | 4.5 (6.4) | 3.7 (5.3) |

Figures in brackets are for two beams screwed together to act as one beam

- Edge beam supporting middle beam is 200 x 50 x 3mm section. Alloy 6060-T5.
- Use horizontally as a canopy, awning, or sunshade.
- Can be used for a stand alone carport or against a larger building.
- The allowable spans for the 16907/A louvre blades are shown below.

| | |
|--------------------------------------|--|
| Low wind speed (up to 32m/sec) | Allowable Span = 4.8 however practical limit is 4.0m |
| Medium wind speed (up to 37m/sec) | Allowable Span = 4.3 however practical limit is 4.0m |
| High Wind Speed (up to 44m/sec) | Allowable Span = 3.8m |
| Very High Wind Speed (up to 50m/sec) | Allowable Span = 3.4m |
| Up to 0.63kPa Snow Load | Allowable Span = 4.6 however practical limit is 4.0m |
| Up to 1.0kPa Snow Load | Allowable Span = 4.0m |
- Low, medium, high and very high wind speeds are determined for small buildings using N.Z.S. 3604:2011. The 32m/sec, 37m/sec, 44m/sec and 50m/sec wind speeds are site wind speeds as defined by N.Z.S. 1170:2002.