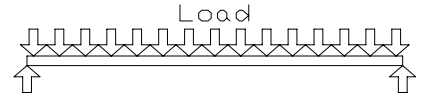




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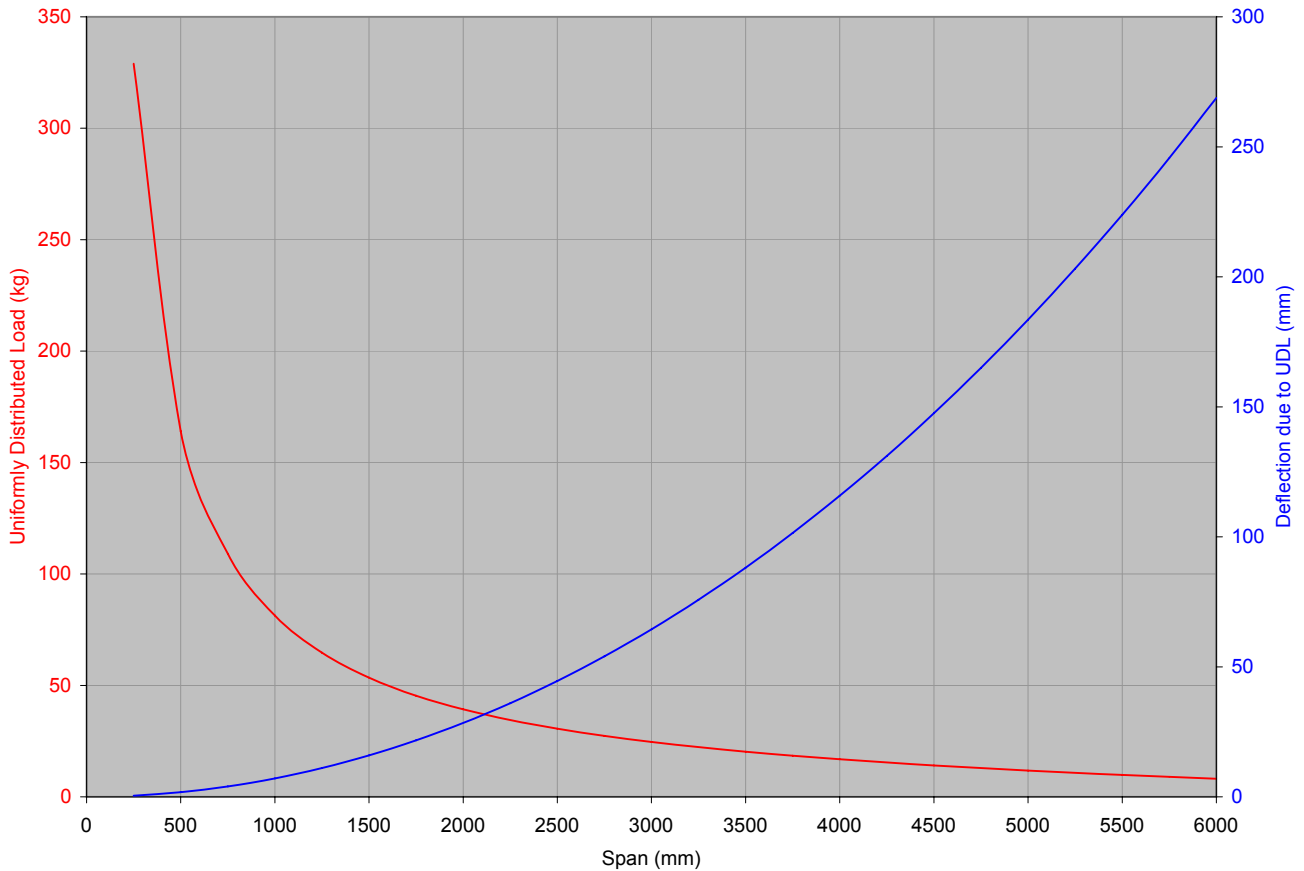
Loading Conditions:



grouphomesafe▲

41x21 Light Gauge Plain (Mass 1.06kg/m)

| Beam Span (mm) | Ultimate Loading | | Limit Def. Span/200 | | Limit Def. Span/360 | |
|----------------|-------------------------|-----------------|---------------------|-----------------|---------------------|-----------------|
| | Total Applied Load (kg) | Total Def. (mm) | Applied UDL (kg) | Total Def. (mm) | Applied UDL (kg) | Total Def. (mm) |
| 250 | 329.0 | 0.4 | | | | |
| 500 | 164.1 | 1.8 | | | 129.1 | 1.4 |
| 750 | 109.0 | 4.0 | 102.9 | 3.8 | 56.8 | 2.1 |
| 1000 | 81.4 | 7.1 | 57.3 | 5.0 | 31.3 | 2.8 |
| 1250 | 64.7 | 11.1 | 36.0 | 6.3 | 19.4 | 3.5 |
| 1500 | 53.5 | 15.9 | 24.3 | 7.5 | 12.8 | 4.2 |
| 1750 | 45.4 | 21.7 | 17.2 | 8.8 | 8.7 | 4.9 |
| 2000 | 39.3 | 28.4 | 12.5 | 10.0 | 6.0 | 5.6 |
| 2250 | 34.5 | 36.0 | 9.1 | 11.3 | 4.0 | 6.3 |
| 2500 | 30.6 | 44.5 | 6.7 | 12.5 | 2.5 | 6.9 |
| 2750 | 27.4 | 54.0 | 4.8 | 13.8 | 1.4 | 7.6 |
| 3000 | 24.6 | 64.4 | 3.3 | 15.0 | 0.4 | 8.3 |
| 3250 | 22.3 | 75.8 | 2.1 | 16.3 | | |
| 3500 | 20.3 | 88.1 | 1.0 | 17.5 | | |
| 3750 | 18.5 | 101.5 | 0.2 | 18.8 | | |
| 4000 | 16.9 | 115.8 | | | | |
| 4250 | 15.4 | 131.2 | | | | |
| 4500 | 14.1 | 147.6 | | | | |
| 4750 | 12.9 | 165.0 | | | | |
| 5000 | 11.8 | 183.5 | | | | |
| 5250 | 10.8 | 203.1 | | | | |
| 5500 | 9.8 | 223.9 | | | | |
| 5750 | 9.0 | 245.7 | | | | |
| 6000 | 8.1 | 268.8 | | | | |



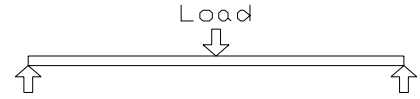
Load, Span & Deflection Graph



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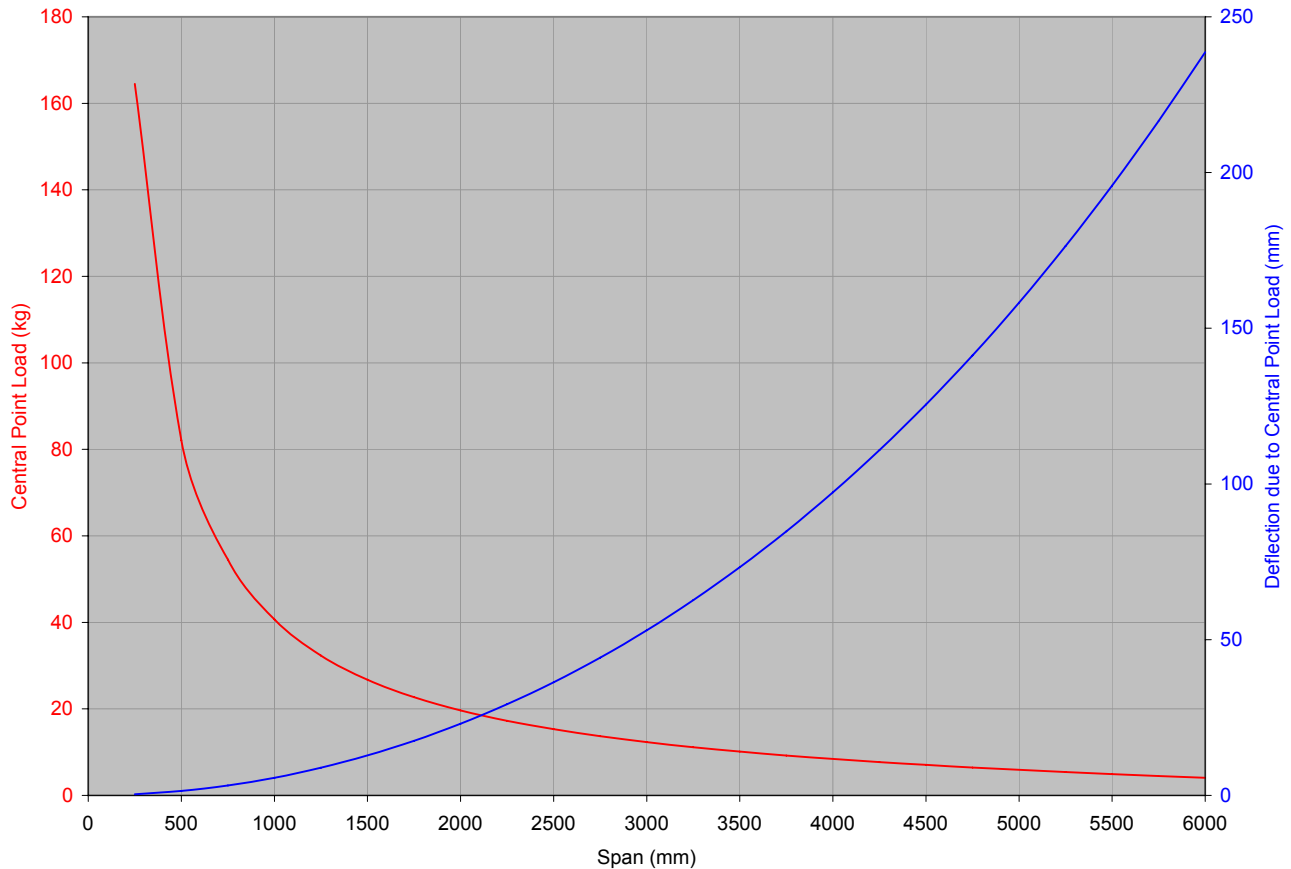
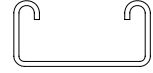
Loading Conditions:



grouphomesafe▲

41x21 Light Gauge Plain (Mass 1.06kg/m)

| Beam Span (mm) | Ultimate Loading | | Limit Def. Span/200 | | Limit Def. Span/360 | |
|----------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|
| | Central Pt Load (kg) | Total Def. (mm) | Central Pt Load (kg) | Total Def. (mm) | Central Pt Load (kg) | Total Def. (mm) |
| 250 | 164.5 | 0.4 | | | | |
| 500 | 82.1 | 1.4 | | | 80.7 | 1.4 |
| 750 | 54.5 | 3.2 | | | 35.5 | 2.1 |
| 1000 | 40.7 | 5.7 | 35.8 | 5.0 | 19.6 | 2.8 |
| 1250 | 32.3 | 8.9 | 22.5 | 6.3 | 12.1 | 3.5 |
| 1500 | 26.7 | 12.8 | 15.2 | 7.5 | 8.0 | 4.2 |
| 1750 | 22.7 | 17.5 | 10.7 | 8.8 | 5.4 | 4.9 |
| 2000 | 19.6 | 23.0 | 7.8 | 10.0 | 3.7 | 5.6 |
| 2250 | 17.2 | 29.3 | 5.7 | 11.3 | 2.5 | 6.3 |
| 2500 | 15.3 | 36.3 | 4.2 | 12.5 | 1.6 | 6.9 |
| 2750 | 13.7 | 44.3 | 3.0 | 13.8 | 0.8 | 7.6 |
| 3000 | 12.3 | 53.0 | 2.1 | 15.0 | 0.3 | 8.3 |
| 3250 | 11.2 | 62.7 | 1.3 | 16.3 | | |
| 3500 | 10.1 | 73.3 | 0.6 | 17.5 | | |
| 3750 | 9.2 | 84.8 | 0.1 | 18.8 | | |
| 4000 | 8.4 | 97.3 | | | | |
| 4250 | 7.7 | 110.9 | | | | |
| 4500 | 7.1 | 125.5 | | | | |
| 4750 | 6.5 | 141.3 | | | | |
| 5000 | 5.9 | 158.2 | | | | |
| 5250 | 5.4 | 176.4 | | | | |
| 5500 | 4.9 | 195.8 | | | | |
| 5750 | 4.5 | 216.5 | | | | |
| 6000 | 4.1 | 238.7 | | | | |



Load, Span & Deflection Graph