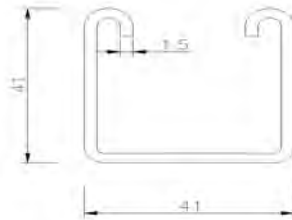
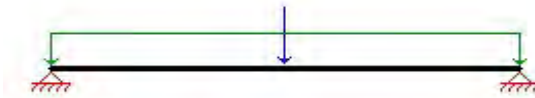


# Suggested Load Data



Pre Galvanised 41x41x1.5mm slotted strut  
**Loading Conditions:** Point Load at mid span



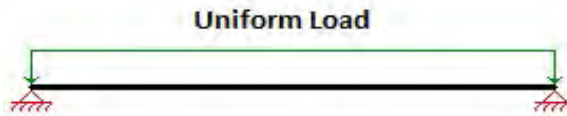
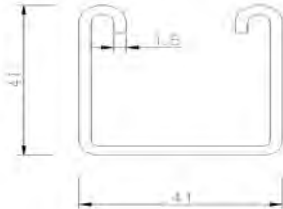
**Slotted 41x41x1.5mm thick**

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200        |                    | Limit Def. Span/360        |                    |
|-------------------|----------------------------|--------------------|----------------------------|--------------------|----------------------------|--------------------|
|                   | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>load (kg) | Total Def.<br>(mm) |
| 250               | 490                        | 0.2                |                            |                    |                            |                    |
| 500               | 260                        | 0.8                |                            |                    |                            |                    |
| 750               | 180                        | 1.8                |                            |                    |                            |                    |
| 1000              | 135                        | 3.2                |                            |                    | 115                        | 2.8                |
| 1250              | 107                        | 5.0                |                            |                    | 75                         | 3.5                |
| 1500              | 90                         | 7.3                |                            |                    | 51                         | 4.2                |
| 1750              | 76                         | 9.9                | 67.5                       | 8.8                | 37                         | 4.9                |
| 2000              | 66.5                       | 13.0               | 51                         | 10.0               | 27.5                       | 5.6                |
| 2250              | 59                         | 16.5               | 39.5                       | 11.3               | 21.2                       | 6.3                |
| 2500              | 52.6                       | 20.4               | 31.4                       | 12.5               | 16.2                       | 6.9                |
| 2750              | 47.5                       | 24.7               | 25.4                       | 13.8               | 12.9                       | 7.6                |
| 3000              | 43.2                       | 29.5               | 20.6                       | 15.0               | 10.1                       | 8.3                |
| 3250              | 39.5                       | 34.7               | 17                         | 16.3               | 8                          | 9.0                |
| 3500              | 36.5                       | 40.5               | 13.9                       | 17.5               | 6.25                       | 9.7                |
| 3750              | 33.7                       | 46.6               | 11.5                       | 18.8               | 4.8                        | 10.4               |
| 4000              | 31.3                       | 53.2               | 9.4                        | 20.0               | 3.5                        | 11.0               |
| 4250              | 29.2                       | 60.5               | 7.7                        | 21.3               | 2.5                        | 11.8               |
| 4500              | 27.2                       | 68.0               | 6.2                        | 22.5               | 1.55                       | 12.5               |
| 4750              | 25.5                       | 76.2               | 4.9                        | 23.8               | 0.75                       | 13.2               |
| 5000              | 23.9                       | 84.8               | 3.75                       | 25.0               |                            |                    |
| 5250              | 22.5                       | 94.2               | 2.73                       | 26.3               |                            |                    |
| 5500              | 21.2                       | 104.1              | 1.8                        | 27.5               |                            |                    |
| 5750              | 19.9                       | 114.1              | 1                          | 28.8               |                            |                    |
| 6000              | 18.8                       | 125.2              |                            |                    |                            |                    |

# Suggested Load Data

Pre Galvanised 41x41x1.5mm slotted strut

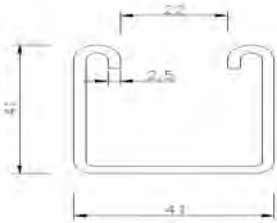
Loading Conditions: UDL



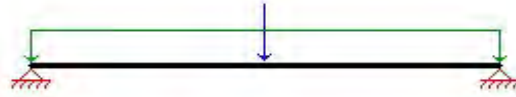
Slotted 41x41x1.5mm thick

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200 |                    | Limit Def. Span/360 |                    |
|-------------------|----------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
|                   | Total Applied<br>Load (kg) | Total Def.<br>(mm) | Applied UDL<br>(KG) | Total Def.<br>(mm) | Applied UDL<br>(kg) | Total Def.<br>(mm) |
| 250               | 1100                       | 0.3                |                     |                    |                     |                    |
| 500               | 525                        | 1.0                |                     |                    |                     |                    |
| 750               | 320                        | 2.0                |                     |                    | 330                 | 2.1                |
| 1000              | 265                        | 4.0                |                     |                    | 189                 | 2.8                |
| 1250              | 215                        | 6.3                | 215                 | 6.3                | 119                 | 3.5                |
| 1500              | 179                        | 9.1                | 148                 | 7.5                | 81                  | 4.2                |
| 1750              | 152                        | 12.3               | 108                 | 8.8                | 59                  | 4.9                |
| 2000              | 132.5                      | 16.1               | 81                  | 10.0               | 44                  | 5.6                |
| 2250              | 117.5                      | 20.4               | 63.5                | 11.3               | 34                  | 6.3                |
| 2500              | 105                        | 25.2               | 50                  | 12.5               | 26                  | 6.9                |
| 2750              | 95                         | 30.6               | 40.5                | 13.8               | 20.5                | 7.6                |
| 3000              | 86.4                       | 36.4               | 33                  | 15.0               | 16.2                | 8.3                |
| 3250              | 79.1                       | 42.8               | 27.1                | 16.3               | 12.8                | 9.0                |
| 3500              | 72.9                       | 49.7               | 22.3                | 17.5               | 10                  | 9.7                |
| 3750              | 67.4                       | 57.1               | 18.4                | 18.8               | 7.7                 | 10.4               |
| 4000              | 62.6                       | 65.1               | 15.1                | 20.0               | 4.9                 | 10.3               |
| 4250              | 58.2                       | 73.5               | 12.3                | 21.3               | 4                   | 11.8               |
| 4500              | 54.3                       | 82.5               | 9.9                 | 22.5               | 2.5                 | 12.5               |
| 4750              | 50.8                       | 92.1               | 7.82                | 23.8               | 1.2                 | 13.2               |
| 5000              | 47.7                       | 102.4              | 6                   | 25.0               |                     |                    |
| 5250              | 44.8                       | 113.1              | 4.39                | 26.3               |                     |                    |
| 5500              | 42.1                       | 124.3              | 2.91                | 27.5               |                     |                    |
| 5750              | 39.6                       | 136.0              | 1.59                | 28.8               |                     |                    |
| 6000              | 37.3                       | 148.4              |                     |                    |                     |                    |

# Suggested Load Data



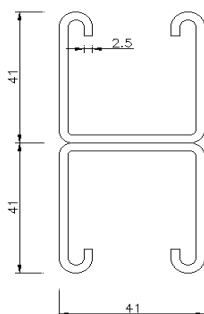
Pre Galvanised 41x41x2.5mm slotted strut  
**Loading Conditions:** Point Load at mid span



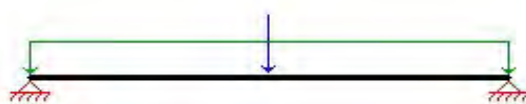
Slotted 41x41x2.5mm thick

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200        |                    | Limit Def. Span/360        |                    |
|-------------------|----------------------------|--------------------|----------------------------|--------------------|----------------------------|--------------------|
|                   | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>load (kg) | Total Def.<br>(mm) |
| 250               | 805                        | 0.2                |                            |                    |                            |                    |
| 500               | 405                        | 0.8                |                            |                    |                            |                    |
| 750               | 270                        | 1.8                |                            |                    |                            |                    |
| 1000              | 205                        | 3.3                |                            |                    | 175                        | 2.8                |
| 1250              | 162                        | 5.1                |                            |                    | 110                        | 3.5                |
| 1500              | 136                        | 7.4                | 137                        | 7.5                | 76                         | 4.2                |
| 1750              | 115.8                      | 10.1               | 101                        | 8.8                | 55                         | 4.9                |
| 2000              | 101                        | 13.2               | 75.9                       | 10.0               | 41                         | 5.6                |
| 2250              | 89                         | 16.7               | 58.8                       | 11.3               | 31                         | 6.3                |
| 2500              | 79.5                       | 20.7               | 46.1                       | 12.5               | 23.7                       | 6.9                |
| 2750              | 71.5                       | 25.1               | 37.2                       | 13.8               | 18.5                       | 7.6                |
| 3000              | 65                         | 30.0               | 29.9                       | 15.0               | 14.3                       | 8.3                |
| 3250              | 59.5                       | 35.3               | 24.5                       | 16.3               | 11                         | 9.0                |
| 3500              | 54.6                       | 41.1               | 19.8                       | 17.5               | 8.3                        | 9.7                |
| 3750              | 50.4                       | 47.4               | 16.1                       | 18.8               | 6.1                        | 10.4               |
| 4000              | 46.7                       | 54.2               | 12.9                       | 20.0               | 4.1                        | 11.1               |
| 4250              | 43.3                       | 61.4               | 10.3                       | 21.3               | 2.5                        | 11.8               |
| 4500              | 40.33                      | 69.2               | 7.9                        | 22.5               | 1                          | 12.5               |
| 4750              | 37.61                      | 77.5               | 5.9                        | 23.8               |                            |                    |
| 5000              | 35.11                      | 86.3               | 4.1                        | 25.0               |                            |                    |
| 5250              | 32.85                      | 95.7               | 2.54                       | 26.3               |                            |                    |
| 5500              | 30.71                      | 105.6              | 1.05                       | 27.5               |                            |                    |
| 5750              | 28.8                       | 116.2              |                            |                    |                            |                    |
| 6000              | 27                         | 127.3              |                            |                    |                            |                    |

# Suggested Load Data



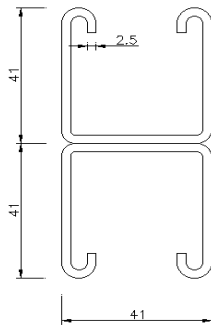
**Pre Galvanised 41x41x2.5mm Back to Back**  
**Loading Conditions:** Point Load at mid span



**41x41x2.5mm thick Back to Back**

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200        |                    | Limit Def. Span/360        |                    |
|-------------------|----------------------------|--------------------|----------------------------|--------------------|----------------------------|--------------------|
|                   | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>load (kg) | Total Def.<br>(mm) |
| 250               | 2480                       | 0.1                |                            |                    |                            |                    |
| 500               | 1235                       | 0.4                |                            |                    |                            |                    |
| 750               | 822                        | 1.0                |                            |                    |                            |                    |
| 1000              | 614                        | 1.7                |                            |                    |                            |                    |
| 1250              | 485                        | 2.6                |                            |                    |                            |                    |
| 1500              | 400                        | 3.8                |                            |                    |                            |                    |
| 1750              | 345                        | 5.2                |                            |                    | 325                        | 4.9                |
| 2000              | 301                        | 6.8                |                            |                    | 248                        | 5.6                |
| 2250              | 265                        | 8.6                |                            |                    | 193                        | 6.3                |
| 2500              | 238                        | 10.6               |                            |                    | 151                        | 6.9                |
| 2750              | 215                        | 12.9               |                            |                    | 123                        | 7.6                |
| 3000              | 195                        | 15.3               | 191                        | 15.0               | 101                        | 8.3                |
| 3250              | 180                        | 18.1               | 161                        | 16.3               | 84.5                       | 9.0                |
| 3500              | 165.5                      | 21.0               | 136                        | 17.5               | 70.5                       | 9.7                |
| 3750              | 153.4                      | 24.2               | 116.5                      | 18.8               | 59.2                       | 10.4               |
| 4000              | 143                        | 27.6               | 100                        | 20.0               | 49.5                       | 11.1               |
| 4250              | 133                        | 31.2               | 86.5                       | 21.3               | 41.5                       | 11.8               |
| 4500              | 124.5                      | 35.1               | 74.5                       | 22.5               | 35                         | 12.5               |
| 4750              | 117                        | 39.3               | 64.8                       | 23.8               | 29                         | 13.2               |
| 5000              | 109.9                      | 43.7               | 56                         | 25.0               | 24                         | 13.9               |
| 5250              | 103.8                      | 48.4               | 48.5                       | 26.3               | 19.3                       | 14.6               |
| 5500              | 97.7                       | 53.3               | 41.9                       | 27.5               | 15.3                       | 15.3               |
| 5750              | 92.5                       | 58.5               | 36                         | 28.8               | 11.7                       | 16.0               |
| 6000              | 87.5                       | 64.0               | 30.6                       | 30.0               | 8.4                        | 16.7               |

# Suggested Load Data



**Pre Galvanised 41x41x2.5mm Back to Back**  
**Loading Conditions: UDL**



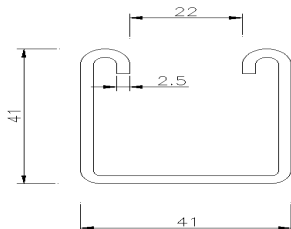
**41x41x2.5mm thick Back to Back**

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200 |                    | Limit Def. Span/360 |                    |
|-------------------|----------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
|                   | Total Applied<br>Load (kg) | Total Def.<br>(mm) | Applied UDL<br>(KG) | Total Def.<br>(mm) | Applied UDL<br>(kg) | Total Def.<br>(mm) |
| 250               | 4950                       | 0.1                |                     |                    |                     |                    |
| 500               | 2500                       | 0.5                |                     |                    |                     |                    |
| 750               | 1650                       | 1.2                |                     |                    |                     | 0.0                |
| 1000              | 1230                       | 2.1                |                     |                    |                     | 0.0                |
| 1250              | 980                        | 3.3                |                     |                    |                     | 0.0                |
| 1500              | 803                        | 4.7                |                     |                    | 718                 | 4.2                |
| 1750              | 684                        | 6.4                |                     |                    | 524                 | 4.9                |
| 2000              | 595                        | 8.4                |                     |                    | 396                 | 5.6                |
| 2250              | 530                        | 10.7               |                     |                    | 310                 | 6.3                |
| 2500              | 475                        | 13.2               | 450                 | 12.5               | 243                 | 6.9                |
| 2750              | 430                        | 16.0               | 370                 | 13.8               | 198                 | 7.6                |
| 3000              | 390                        | 19.0               | 306                 | 15.0               | 163                 | 8.3                |
| 3250              | 358                        | 22.3               | 258                 | 16.3               | 135                 | 9.0                |
| 3500              | 331                        | 25.9               | 218                 | 17.5               | 112                 | 9.7                |
| 3750              | 306.5                      | 29.8               | 186                 | 18.8               | 94                  | 10.4               |
| 4000              | 285                        | 33.9               | 160                 | 20.0               | 79                  | 11.1               |
| 4250              | 266                        | 38.3               | 138                 | 21.3               | 67                  | 11.8               |
| 4500              | 249                        | 43.0               | 119                 | 22.5               | 56                  | 12.5               |
| 4750              | 234                        | 48.0               | 103.5               | 23.8               | 46.5                | 13.2               |
| 5000              | 220                        | 53.2               | 89.5                | 25.0               | 38.4                | 13.9               |
| 5250              | 207.5                      | 58.8               | 77.6                | 26.3               | 31                  | 14.6               |
| 5500              | 195.6                      | 64.6               | 67                  | 27.5               | 24.5                | 15.3               |
| 5750              | 185                        | 70.7               | 57.5                | 28.8               | 18.6                | 16.0               |
| 6000              | 175                        | 77.1               | 49                  | 30.0               | 13.6                | 16.7               |

# Suggested Load Data

Pre Galvanised 41x41x2.5mm slotted strut

Loading Conditions: UDL



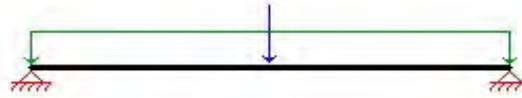
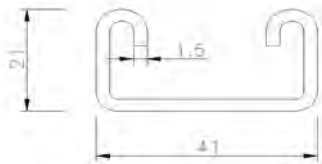
Slotted 41x41x2.5mm thick

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200 |                    | Limit Def. Span/360 |                    |
|-------------------|----------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
|                   | Total Applied<br>Load (kg) | Total Def.<br>(mm) | Applied UDL<br>(KG) | Total Def.<br>(mm) | Applied UDL<br>(kg) | Total Def.<br>(mm) |
| 250               | 1620                       | 0.3                |                     |                    |                     |                    |
| 500               | 805                        | 1.0                |                     |                    |                     |                    |
| 750               | 540                        | 2.3                |                     |                    | 490                 | 2.1                |
| 1000              | 409                        | 4.1                |                     |                    | 280                 | 2.8                |
| 1250              | 328                        | 6.4                | 321                 | 6.3                | 177                 | 3.5                |
| 1500              | 271                        | 9.2                | 220                 | 7.5                | 123                 | 4.2                |
| 1750              | 231                        | 12.5               | 160.9               | 8.8                | 86.8                | 4.9                |
| 2000              | 202                        | 16.4               | 121                 | 10.0               | 64.9                | 5.6                |
| 2250              | 178                        | 20.7               | 93.8                | 11.3               | 49.6                | 6.3                |
| 2500              | 159                        | 25.6               | 73.8                | 12.5               | 38                  | 6.9                |
| 2750              | 143                        | 31.0               | 59.4                | 13.8               | 29.3                | 7.6                |
| 3000              | 130.5                      | 37.0               | 48                  | 15.0               | 22.9                | 8.3                |
| 3250              | 119                        | 43.4               | 39                  | 16.3               | 17.6                | 9.0                |
| 3500              | 109.5                      | 50.5               | 31.8                | 17.5               | 13.4                | 9.7                |
| 3750              | 101                        | 58.0               | 25.8                | 18.8               | 9.75                | 10.4               |
| 4000              | 93.5                       | 66.1               | 20.7                | 20.0               | 6.69                | 11.1               |
| 4250              | 86.8                       | 74.7               | 16.4                | 21.3               | 4                   | 11.8               |
| 4500              | 80.76                      | 83.9               | 12.7                | 22.5               | 1.61                | 12.5               |
| 4750              | 75.4                       | 93.7               | 9.5                 | 23.8               |                     |                    |
| 5000              | 70.5                       | 104.0              | 6.6                 | 25.0               |                     |                    |
| 5250              | 65.9                       | 114.8              | 4.05                | 26.3               |                     |                    |
| 5500              | 61.75                      | 126.3              | 1.7                 | 27.5               |                     |                    |
| 5750              | 57.85                      | 138.3              |                     |                    |                     |                    |
| 6000              | 54.31                      | 151.0              |                     |                    |                     |                    |

# Suggested Load Data

Pre Galvanised 41x21x1.5mm slotted strut

Loading Conditions: Point Load at mid span



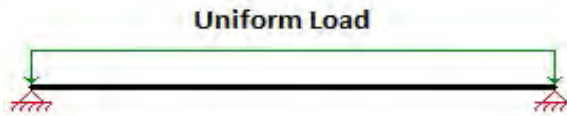
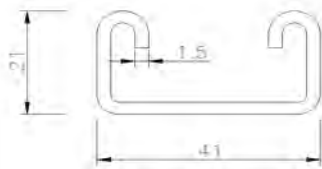
Slotted 41x21x2.5mm thick

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200        |                    | Limit Def. Span/360        |                    |
|-------------------|----------------------------|--------------------|----------------------------|--------------------|----------------------------|--------------------|
|                   | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>load (kg) | Total Def.<br>(mm) |
| 250               | 160                        | 0.4                |                            |                    |                            |                    |
| 500               | 85                         | 1.5                |                            |                    | 76                         | 1.4                |
| 750               | 58                         | 3.5                |                            |                    | 35                         | 2.1                |
| 1000              | 43                         | 6.2                | 34.5                       | 5.0                | 19                         | 2.8                |
| 1250              | 33.9                       | 9.6                | 22                         | 6.3                | 11.9                       | 3.5                |
| 1500              | 28                         | 13.9               | 14.6                       | 7.5                | 7.8                        | 4.2                |
| 1750              | 23.8                       | 19.0               | 10.4                       | 8.8                | 5.3                        | 4.9                |
| 2000              | 20.7                       | 25.0               | 7.5                        | 10.0               | 3.65                       | 5.6                |
| 2250              | 18.2                       | 31.8               | 5.56                       | 11.3               | 2.45                       | 6.3                |
| 2500              | 16.1                       | 39.3               | 4.05                       | 12.5               | 1.51                       | 6.9                |
| 2750              | 14.4                       | 47.8               | 2.91                       | 13.8               | 0.84                       | 7.6                |
| 3000              | 13                         | 57.3               | 2                          | 15.0               | 0.27                       | 8.3                |
| 3250              | 11.8                       | 67.7               | 1.29                       | 16.3               |                            |                    |
| 3500              | 10.8                       | 79.4               | 0.65                       | 17.5               |                            |                    |
| 3750              | 9.8                        | 91.4               |                            |                    |                            |                    |
| 4000              | 9                          | 105.1              |                            |                    |                            |                    |
| 4250              | 8.3                        | 120.1              |                            |                    |                            |                    |
| 4500              | 7.6                        | 135.5              |                            |                    |                            |                    |
| 4750              | 7                          | 152.6              |                            |                    |                            |                    |
| 5000              | 6.4                        | 170.1              |                            |                    |                            |                    |
| 5250              | 5.9                        | 189.9              |                            |                    |                            |                    |
| 5500              | 5.4                        | 210.2              |                            |                    |                            |                    |
| 5750              | 5                          | 233.7              |                            |                    |                            |                    |
| 6000              | 4.6                        | 258.0              |                            |                    |                            |                    |

# Suggested Load Data

Pre Galvanised 41x21x1.5mm slotted strut

Loading Conditions: UDL



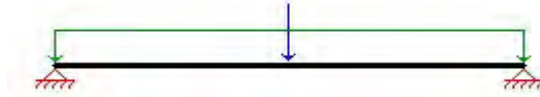
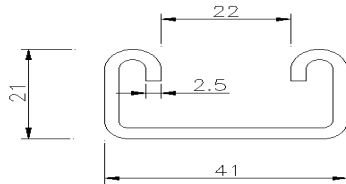
Slotted 41x21x1.5mm thick

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200 |                    | Limit Def. Span/360 |                    |
|-------------------|----------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
|                   | Total Applied<br>Load (kg) | Total Def.<br>(mm) | Applied UDL<br>(KG) | Total Def.<br>(mm) | Applied UDL<br>(kg) | Total Def.<br>(mm) |
| 250               | 325                        | 0.5                |                     |                    |                     |                    |
| 500               | 170                        | 1.9                |                     |                    | 125                 | 1.4                |
| 750               | 115                        | 4.3                | 100                 | 3.8                | 55                  | 2.1                |
| 1000              | 85                         | 7.7                | 55                  | 5.0                | 30                  | 2.8                |
| 1250              | 68                         | 12.0               | 35                  | 6.3                | 19                  | 3.5                |
| 1500              | 56                         | 17.3               | 23.5                | 7.5                | 12.5                | 4.2                |
| 1750              | 47.6                       | 23.6               | 16.6                | 8.8                | 8.5                 | 4.9                |
| 2000              | 41.2                       | 30.8               | 12                  | 10.0               | 5.8                 | 5.6                |
| 2250              | 36.3                       | 39.1               | 8.9                 | 11.3               | 3.9                 | 6.3                |
| 2500              | 32.2                       | 48.3               | 6.45                | 12.5               | 2.45                | 6.9                |
| 2750              | 28.9                       | 58.6               | 4.66                | 13.8               | 1.35                | 7.6                |
| 3000              | 25.9                       | 69.5               | 3.2                 | 15.0               | 0.41                | 8.3                |
| 3250              | 23.6                       | 82.1               | 2.05                | 16.3               |                     |                    |
| 3500              | 21.5                       | 95.5               | 1.05                | 17.5               |                     |                    |
| 3750              | 19.6                       | 109.8              |                     |                    |                     |                    |
| 4000              | 18                         | 125.6              |                     |                    |                     |                    |
| 4250              | 16.5                       | 142.1              |                     |                    |                     |                    |
| 4500              | 15.1                       | 159.3              |                     |                    |                     |                    |
| 4750              | 13.9                       | 178.4              |                     |                    |                     |                    |
| 5000              | 12.8                       | 198.6              |                     |                    |                     |                    |
| 5250              | 11.8                       | 220.3              |                     |                    |                     |                    |
| 5500              | 10.1                       | 231.8              |                     |                    |                     |                    |
| 5750              | 9.9                        | 265.8              |                     |                    |                     |                    |
| 6000              | 9.1                        | 291.5              |                     |                    |                     |                    |

# Suggested Load Data

Pre Galvanised 41x21x2.5mm slotted strut

Loading Conditions: Point Load at mid span



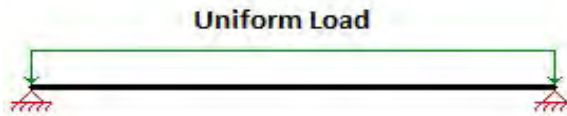
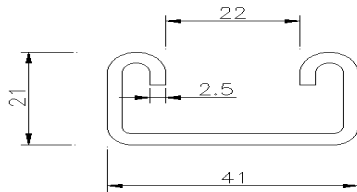
Slotted 41x21x2.5mm thick

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200        |                    | Limit Def. Span/360        |                    |
|-------------------|----------------------------|--------------------|----------------------------|--------------------|----------------------------|--------------------|
|                   | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>Load (kg) | Total Def.<br>(mm) | Central Point<br>load (kg) | Total Def.<br>(mm) |
| 250               | 270                        | 0.4                |                            |                    |                            |                    |
| 500               | 155                        | 1.6                |                            |                    | 129.5                      | 1.4                |
| 750               | 104                        | 3.6                |                            |                    | 58                         | 2.1                |
| 1000              | 75.5                       | 6.4                | 59                         | 5.0                | 32.9                       | 2.8                |
| 1250              | 60.5                       | 10.0               | 37.5                       | 6.3                | 20                         | 3.5                |
| 1500              | 50                         | 14.5               | 25.2                       | 7.5                | 13.3                       | 4.2                |
| 1750              | 42.6                       | 19.8               | 18                         | 8.8                | 9.1                        | 4.9                |
| 2000              | 36.9                       | 25.9               | 12.9                       | 10.0               | 6.3                        | 5.6                |
| 2250              | 32.5                       | 33.0               | 9.6                        | 11.3               | 4.3                        | 6.3                |
| 2500              | 29                         | 41.0               | 7                          | 12.5               | 2.7                        | 6.9                |
| 2750              | 26                         | 49.9               | 5.1                        | 13.8               | 1.5                        | 7.6                |
| 3000              | 23.5                       | 59.7               | 3.55                       | 15.0               |                            |                    |
| 3250              | 21.4                       | 70.7               | 2.33                       | 16.3               |                            |                    |
| 3500              | 19.5                       | 82.5               | 1.25                       | 17.5               |                            |                    |
| 3750              | 17.9                       | 95.6               |                            |                    |                            |                    |
| 4000              | 16.4                       | 109.4              |                            |                    |                            |                    |
| 4250              | 15.1                       | 124.6              |                            |                    |                            |                    |
| 4500              | 14                         | 141.5              |                            |                    |                            |                    |
| 4750              | 12.9                       | 159.0              |                            |                    |                            |                    |
| 5000              | 11.9                       | 177.8              |                            |                    |                            |                    |
| 5250              | 11.1                       | 199.3              |                            |                    |                            |                    |
| 5500              | 10.25                      | 221.0              |                            |                    |                            |                    |
| 5750              | 9.5                        | 244.8              |                            |                    |                            |                    |
| 6000              | 8.7                        | 268.5              |                            |                    |                            |                    |

# Suggested Load Data

Pre Galvanised 41x21x2.5mm slotted strut

Loading Conditions: UDL



Slotted 41x21x2.5mm thick

| Beam Span<br>(mm) | Ultimate Loading           |                    | Limit Def. Span/200 |                    | Limit Def. Span/360 |                    |
|-------------------|----------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
|                   | Total Applied<br>Load (kg) | Total Def.<br>(mm) | Applied UDL<br>(KG) | Total Def.<br>(mm) | Applied UDL<br>(kg) | Total Def.<br>(mm) |
| 250               | 560                        | 0.5                |                     |                    |                     |                    |
| 500               | 310                        | 2.0                |                     |                    | 210                 | 1.4                |
| 750               | 205                        | 4.5                | 170                 | 3.8                | 95                  | 2.1                |
| 1000              | 153                        | 8.0                | 95                  | 5.0                | 53                  | 2.8                |
| 1250              | 120                        | 12.4               | 60                  | 6.3                | 32                  | 3.5                |
| 1500              | 99.5                       | 17.9               | 40.1                | 7.5                | 21.2                | 4.2                |
| 1750              | 84.6                       | 24.4               | 28.6                | 8.8                | 14.6                | 4.9                |
| 2000              | 73.6                       | 32.0               | 20.7                | 10.0               | 10.1                | 5.6                |
| 2250              | 64.8                       | 40.5               | 15.3                | 11.3               | 6.9                 | 6.3                |
| 2500              | 57.7                       | 50.2               | 11.2                | 12.5               | 4.3                 | 6.9                |
| 2750              | 51.7                       | 60.8               | 8.2                 | 13.8               | 2.4                 | 7.6                |
| 3000              | 46.7                       | 72.5               | 5.7                 | 15.0               |                     |                    |
| 3250              | 42.5                       | 85.4               | 3.7                 | 16.3               |                     |                    |
| 3500              | 38.7                       | 99.2               | 1.995               | 17.5               |                     |                    |
| 3750              | 35.45                      | 114.2              |                     |                    |                     |                    |
| 4000              | 32.6                       | 130.5              |                     |                    |                     |                    |
| 4250              | 29.95                      | 147.7              |                     |                    |                     |                    |
| 4500              | 27.6                       | 166.2              |                     |                    |                     |                    |
| 4750              | 25.48                      | 185.9              |                     |                    |                     |                    |
| 5000              | 23.5                       | 206.7              |                     |                    |                     |                    |
| 5250              | 21.71                      | 229.0              |                     |                    |                     |                    |
| 5500              | 20                         | 252.1              |                     |                    |                     |                    |
| 5750              | 18.4                       | 276.4              |                     |                    |                     |                    |
| 6000              | 17                         | 303.0              |                     |                    |                     |                    |