

# Small size and huge help

## QuickTruss® M290B



The M290 system is the mid-size truss line offered in the QuickTruss® family.

QuickTruss® M290B fits nicely in both large and small applications. Available in regular "B" Range format, it offers great spanning and weight loading capabilities while providing a decorative touch! The connection method is the same Conical Con-

nection system used in the M222 Series, just larger in size.

QuickTruss® M290B is available in custom lengths and junctions, and can be curved (See Circle Section). It comes in Natural Silver or a wide variety of Powder Coated colors and finishes.

| DUO M290B                          |        |         |        |         |        |         |        |        |        |        |        |        |        |        |
|------------------------------------|--------|---------|--------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| Span in m (ft)                     | 4,00   | 13.12   | 6,00   | 19.69   | 8,00   | 26.25   | 10,00  | 32.81  | 12,00  | 39.37  | 14,00  | 45.93  | 16,00  | 52.50  |
| point load in kg (lbs)             | 587,00 | 1294.11 | 387,00 | 853.19  | 286,00 | 630.52  | 224,00 | 493.83 | 182,00 | 401.24 | 152,00 | 335.10 | 128,00 | 282.19 |
| deflection in mm (inch)            | 12,00  | 0.47    | 28,00  | 1.09    | 50,00  | 1.95    | 79,00  | 3.08   | 114,00 | 4.45   | 156,00 | 6.08   | 206,00 | 8.03   |
| two point load in kg (lbs)         | 385,00 | 848.78  | 290,00 | 639.34  | 214,00 | 471.79  | 168,00 | 370.38 | 137,00 | 302.03 | 114,00 | 251.33 | 96,00  | 211.64 |
| deflection in mm (inch)            | 14,00  | 0.55    | 36,00  | 1.40    | 64,00  | 2.50    | 100,00 | 3.90   | 143,00 | 5.58   | 195,00 | 7.61   | 254,00 | 9.91   |
| distrib. loading in kg/m (lbs/ft)  | 192,00 | 129.00  | 127,00 | 85.33   | 71,00  | 47.70   | 45,00  | 30.24  | 30,00  | 20.16  | 22,00  | 14.78  | 16,00  | 10.75  |
| total distrib. loading in kg (lbs) | 768,00 | 1693.15 | 762,00 | 1679.92 | 568,00 | 1252.22 | 450,00 | 992.08 | 360,00 | 793.66 | 308,00 | 679.02 | 256,00 | 564.38 |
| deflection in mm (inch)            | 10,00  | 0.39    | 35,00  | 1.37    | 62,00  | 2.42    | 97,00  | 3.78   | 140,00 | 5.46   | 191,00 | 7.45   | 249,00 | 9.71   |

DUO figures are based on use in vertical mode @ grid application (i.e. stabilized every 1 m)

| TRIO M290B                         |         |         |        |         |        |         |        |        |        |        |        |        |        |        |
|------------------------------------|---------|---------|--------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| Span in m (ft)                     | 4,00    | 13.12   | 6,00   | 19.69   | 8,00   | 26.25   | 10,00  | 32.81  | 12,00  | 39.37  | 14,00  | 45.93  | 16,00  | 52.50  |
| point load in kg (lbs)             | 504,00  | 1111.13 | 329,00 | 725.32  | 239,00 | 526.9   | 184,00 | 405.65 | 145,00 | 319.67 | 117,00 | 257.94 | 94,00  | 207.23 |
| deflection in mm (inch)            | 11,00   | 0.43    | 24,00  | 0.94    | 43,00  | 1.68    | 69,00  | 2.69   | 100,00 | 3.90   | 138,00 | 5.38   | 182,00 | 7.10   |
| two point load in kg (lbs)         | 378,00  | 833.35  | 247,00 | 544.54  | 179,00 | 394.63  | 138,00 | 304.24 | 109,00 | 240.30 | 87,00  | 191.80 | 70,00  | 154.32 |
| deflection in mm (inch)            | 14,00   | 0.55    | 31,00  | 1.21    | 55,00  | 2.15    | 85,00  | 3.32   | 123,00 | 4.80   | 167,00 | 6.51   | 218,00 | 8.50   |
| distrib. loading in kg/m (lbs/ft)  | 252,00  | 169.32  | 110,00 | 73.91   | 60,00  | 40.31   | 37,00  | 24.86  | 24,00  | 16.13  | 17,00  | 11.42  | 12,00  | 8.06   |
| total distrib. loading in kg (lbs) | 1008,00 | 2222.26 | 658,00 | 1450.64 | 480,00 | 1058.22 | 370,00 | 815.71 | 288,00 | 634.93 | 238,00 | 524.70 | 192,00 | 423.29 |
| deflection in mm (inch)            | 13,00   | 0.51    | 30,00  | 1.17    | 53,00  | 2.07    | 84,00  | 3.28   | 120,00 | 4.68   | 164,00 | 6.40   | 214,00 | 8.35   |

TRIO figures are based on use in apex down orientation

| QUATRO M290B                       |         |         |         |         |         |         |        |         |        |         |        |         |        |         |
|------------------------------------|---------|---------|---------|---------|---------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| Span in m (ft)                     | 4,00    | 13.12   | 6,00    | 19.69   | 8,00    | 26.25   | 10,00  | 32.81   | 12,00  | 39.37   | 14,00  | 45.93   | 16,00  | 52.50   |
| point load in kg (lbs)             | 1171,00 | 2581.61 | 771,00  | 1699.76 | 568,00  | 1252.22 | 444,00 | 978.85  | 359,00 | 791.46  | 297,00 | 654.77  | 248,00 | 546.75  |
| deflection in mm (inch)            | 12,00   | 0.47    | 28,00   | 1.09    | 50,00   | 1.95    | 79,00  | 3.08    | 115,00 | 4.49    | 157,00 | 6.12    | 207,00 | 8.07    |
| two point load in kg (lbs)         | 852,00  | 1878.34 | 578,00  | 1274.27 | 426,00  | 939.17  | 333,00 | 734.14  | 269,00 | 593.04  | 222,00 | 489.43  | 186,00 | 410.06  |
| deflection in mm (inch)            | 15,00   | 0.59    | 36,00   | 1.40    | 64,00   | 2.50    | 100,00 | 3.90    | 143,00 | 5.58    | 195,00 | 7.61    | 254,00 | 9.91    |
| distrib. loading in kg/m (lbs/ft)  | 426,00  | 286.23  | 257,00  | 172.68  | 142,00  | 95.41   | 89,00  | 59.80   | 60,00  | 40.31   | 42,00  | 28.22   | 31,00  | 20.83   |
| total distrib. loading in kg (lbs) | 1704,00 | 3756.67 | 1542,00 | 3399.52 | 1136,00 | 2504.45 | 890,00 | 1962.11 | 720,00 | 1587.33 | 588,00 | 1296.32 | 496,00 | 1093.49 |
| deflection in mm (inch)            | 11,00   | 0.43    | 35,00   | 1.37    | 62,00   | 2.42    | 97,00  | 3.78    | 140,00 | 5.46    | 191,00 | 7.45    | 249,00 | 9.71    |

### STANDARD LENGTHS AVAILABLE AND WEIGHTS

| m (ft)          | 0,50 | 1.64 | 1,00 | 3.28  | 1,50 | 4.92  | 2,00  | 6.56  | 2,50  | 8.20  | 3,00  | 9.84  | 4,00  | 13.12 | 5,00  | 16.41 |
|-----------------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Duo-kg (lbs)    | 1,50 | 3.31 | 3,35 | 7.39  | 5,00 | 11.02 | 6,00  | 13.23 | 7,50  | 16.53 | 9,00  | 19.84 | 12,00 | 26.46 | 15,00 | 33.07 |
| Trio-kg (lbs)   | 2,25 | 4.96 | 4,50 | 9.92  | 6,80 | 14.99 | 9,00  | 19.84 | 11,25 | 24.8  | 13,50 | 29.76 | 18,00 | 39.68 | 22,50 | 49.60 |
| Quatro-kg (lbs) | 2,95 | 6.50 | 5,90 | 13.01 | 8,90 | 19.62 | 11,80 | 26.01 | 14,75 | 32.52 | 17,70 | 39.02 | 23,60 | 52.03 | 29,50 | 65.04 |

connection material (pins/clips/cons) and packaging not included in above weights

|             |               |                        |                            |                                      |
|-------------|---------------|------------------------|----------------------------|--------------------------------------|
| metric data | imperial data | point load in kg (lbs) | two point load in kg (lbs) | distrib. load (UDL) in kg/m (lbs/ft) |
|-------------|---------------|------------------------|----------------------------|--------------------------------------|