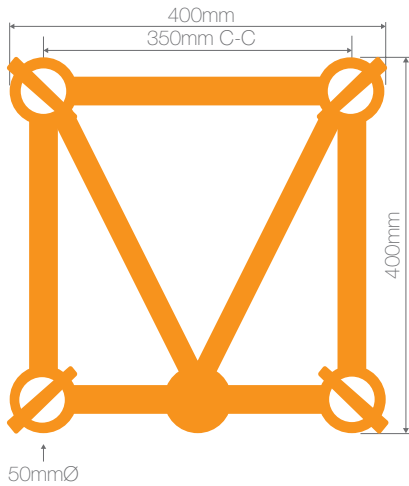


# F45 5 Chord Truss



5th chord for LED Screen or centrally mounting applications

## TECHNICAL SPECIFICATIONS

### PRODUCT CODE

|                         |                                     |
|-------------------------|-------------------------------------|
| Chord Material          | EN AW 6082 T6                       |
| Bracing Material        | EN AW 6082 T6                       |
| End Socket Material     | EN AW 6082 T6                       |
| Conical Spigot Material | EN AW 6011                          |
| Steel Pin Material      | 8.8 Grade                           |
| Chord Dimension         | 50mmØ x 4mm                         |
| Bracing Dimension       | 25mmØ x 3mm                         |
| Connectors Included     | 4 x Conical Spigots, Pins & R-Clips |

## LINEAR

### PRODUCT CODE

### WEIGHT

|                    |                                       |        |
|--------------------|---------------------------------------|--------|
| <b>GT F45PL100</b> | F45P 5-Chord Square 1.0m Linear Truss | 14.5kg |
| <b>GT F45PL150</b> | F45P 5-Chord Square 1.5m Linear Truss | 20.2kg |
| <b>GT F45PL200</b> | F45P 5-Chord Square 2.0m Linear Truss | 26.0kg |
| <b>GT F45PL300</b> | F45P 5-Chord Square 3.0m Linear Truss | 36.3kg |
| <b>GT F45PL350</b> | F45P 5-Chord Square 3.5m Linear Truss | 41.5kg |
| <b>GT F45PL400</b> | F45P 5-Chord Square 4.0m Linear Truss | 46.6kg |

Custom lengths can be manufactured to order.

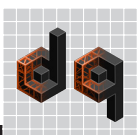
## LOAD TABLE (Bottom Centre Chord $\leq$ 1:100 Deflection)\*

| SPAN (m) | UDL (kg/m)                                                                           | CPL (kg)                                                                              | THIRD POINT                                                                           | FOURTH POINT                                                                          | FIFTH POINT                                                                           |
|----------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|          |  |  |  |  |  |
| 4.0      | 600                                                                                  | 500                                                                                   | 500                                                                                   | 500                                                                                   | 500                                                                                   |
| 5.0      | 600                                                                                  | 500                                                                                   | 500                                                                                   | 500                                                                                   | 500                                                                                   |
| 6.0      | 600                                                                                  | 500                                                                                   | 500                                                                                   | 500                                                                                   | 500                                                                                   |
| 7.0      | 473                                                                                  | 500                                                                                   | 500                                                                                   | 500                                                                                   | 500                                                                                   |
| 8.0      | 365                                                                                  | 500                                                                                   | 500                                                                                   | 500                                                                                   | 500                                                                                   |
| 9.0      | 289                                                                                  | 500                                                                                   | 500                                                                                   | 500                                                                                   | 480                                                                                   |
| 10.0     | 234                                                                                  | 500                                                                                   | 500                                                                                   | 500                                                                                   | 434                                                                                   |
| 11.0     | 192                                                                                  | 500                                                                                   | 500                                                                                   | 500                                                                                   | 395                                                                                   |
| 12.0     | 160                                                                                  | 500                                                                                   | 500                                                                                   | 456                                                                                   | 361                                                                                   |
| 13.0     | 135                                                                                  | 500                                                                                   | 500                                                                                   | 418                                                                                   | 332                                                                                   |
| 14.0     | 115                                                                                  | 500                                                                                   | 500                                                                                   | 384                                                                                   | 306                                                                                   |
| 15.0     | 99                                                                                   | 500                                                                                   | 476                                                                                   | 354                                                                                   | 283                                                                                   |
| 16.0     | 79                                                                                   | 500                                                                                   | 443                                                                                   | 327                                                                                   | 261                                                                                   |
| 17.0     | 63                                                                                   | 500                                                                                   | 395                                                                                   | 283                                                                                   | 223                                                                                   |
| 18.0     | 51                                                                                   | 500                                                                                   | 337                                                                                   | 242                                                                                   | 190                                                                                   |
| 19.0     | 41                                                                                   | 489                                                                                   | 287                                                                                   | 206                                                                                   | 162                                                                                   |
| 20.0     | 33                                                                                   | 415                                                                                   | 243                                                                                   | 175                                                                                   | 137                                                                                   |
| 21.0     | 27                                                                                   | 350                                                                                   | 205                                                                                   | 147                                                                                   | 116                                                                                   |
| 22.0     | 21                                                                                   | 292                                                                                   | 171                                                                                   | 123                                                                                   | 97                                                                                    |
| 23.0     | 17                                                                                   | 241                                                                                   | 141                                                                                   | 101                                                                                   | 80                                                                                    |
| 24.0     | 13                                                                                   | 194                                                                                   | 114                                                                                   | 82                                                                                    | 64                                                                                    |

\*Bottom Centre Chord Loading Only with Acceptable Deflection  $\leq$  1 : 100 (i.e. standard acceptable truss deflection for general use applications)

Load tables indicate load capacities only and need to be considered in the context of complete engineering certification available at [dq.com.au](http://dq.com.au)

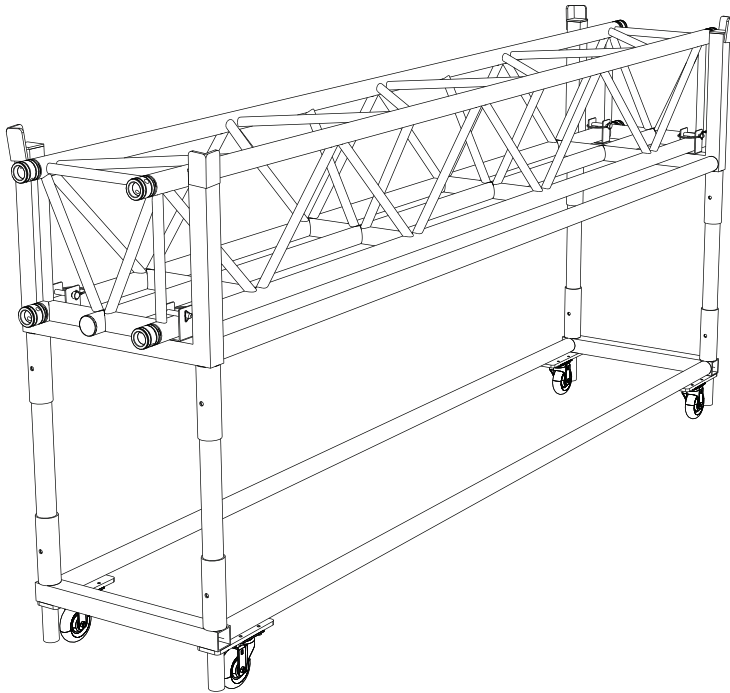
Full engineering report available upon request.



**DQ.COM.AU**

**DESIGN QUINTESSANCE** | SYD (02) 9649 2266 • MELB (03) 9645 2266 • BRIS 0419 777 877 • PER 0419 898 999 | EMAIL [INFO@DQ.COM.AU](mailto:INFO@DQ.COM.AU)

# F45 5 Chord Truss



Additional F45 Truss accessories and complementary products also available at DQ.

Check out our website for more details.

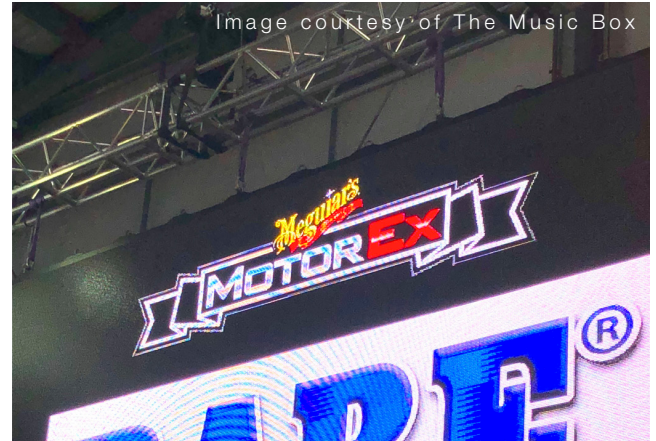


Image courtesy of The Music Box

## LOAD TABLE (Bottom Centre Chord $\leq 1:300$ Deflection)\*\*

| SPAN<br>(m) | UDL<br>(kg/m) | CPL<br>(kg) | THIRD<br>POINT | FOURTH<br>POINT | FIFTH<br>POINT |
|-------------|---------------|-------------|----------------|-----------------|----------------|
| 4.0         | 600           | 500         | 500            | 500             | 500            |
| 5.0         | 600           | 500         | 500            | 500             | 500            |
| 6.0         | 578           | 500         | 500            | 500             | 500            |
| 7.0         | 358           | 500         | 500            | 500             | 500            |
| 8.0         | 235           | 500         | 500            | 495             | 389            |
| 9.0         | 161           | 500         | 500            | 381             | 299            |
| 10.0        | 113           | 500         | 415            | 298             | 234            |
| 11.0        | 81            | 500         | 328            | 235             | 185            |
| 12.0        | 59            | 444         | 261            | 187             | 147            |
| 13.0        | 43            | 353         | 207            | 149             | 117            |
| 14.0        | 32            | 279         | 163            | 117             | 92             |
| 15.0        | 23            | 217         | 127            | 91              | 72             |
| 16.0        | 16            | 164         | 96             | 69              | 54             |
| 17.0        | 11            | 119         | 70             | 50              | 39             |
| 18.0        | 7             | 80          | 47             | 34              | 27             |
| 19.0        | 4             | 46          | 27             | 19              | 15             |
| 20.0        | 1             | 15          | 9              | 6               | 5              |

\*\*Bottom Centre Chord Loading Only with Acceptable Deflection  $\leq 1 : 300$  (i.e. very low deflection if critical for suspension of LED screen applications)

Load tables indicate load capacities only and need to be considered in the context of complete engineering certification available at [dq.com.au](http://dq.com.au)

Full engineering report available upon request.

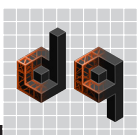
## LOAD TABLE (Bottom Outer Chords $\leq 1:100$ Deflection)\*\*

| SPAN<br>(m) | UDL<br>(kg/m) | CPL<br>(kg) | THIRD<br>POINT | FOURTH<br>POINT | FIFTH<br>POINT |
|-------------|---------------|-------------|----------------|-----------------|----------------|
| 4.0         | 953           | 2,209       | 1,358          | 1,042           | 859            |
| 5.0         | 760           | 1,879       | 1,193          | 931             | 778            |
| 6.0         | 631           | 1,629       | 1,057          | 837             | 684            |
| 7.0         | 473           | 1,434       | 945            | 757             | 601            |
| 8.0         | 365           | 1,276       | 853            | 689             | 534            |
| 9.0         | 289           | 1,146       | 774            | 614             | 480            |
| 10.0        | 234           | 1,037       | 707            | 553             | 434            |
| 11.0        | 192           | 944         | 649            | 501             | 395            |
| 12.0        | 160           | 864         | 598            | 456             | 361            |
| 13.0        | 135           | 793         | 552            | 418             | 332            |
| 14.0        | 115           | 731         | 512            | 384             | 306            |
| 15.0        | 99            | 675         | 476            | 354             | 283            |
| 16.0        | 79            | 625         | 443            | 327             | 261            |
| 17.0        | 63            | 580         | 395            | 283             | 223            |
| 18.0        | 51            | 539         | 337            | 242             | 190            |
| 19.0        | 41            | 489         | 287            | 206             | 162            |
| 20.0        | 33            | 415         | 243            | 175             | 137            |
| 21.0        | 27            | 350         | 205            | 147             | 116            |
| 22.0        | 21            | 292         | 171            | 123             | 97             |
| 23.0        | 17            | 241         | 141            | 101             | 80             |
| 24.0        | 13            | 194         | 114            | 82              | 64             |

\*\*\*Bottom Outer Chords Loading with Acceptable Deflection  $\leq 1 : 100$  (i.e. standard acceptable truss deflection for general use applications)

Load tables indicate load capacities only and need to be considered in the context of complete engineering certification available at [dq.com.au](http://dq.com.au)

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