



EUROTRUSS

# ***HD44*** ***SQUARE TRUSS***

[PRODUCT LEAFLET]

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## HD44 Square Truss



HD44 with excellent load capacity on free spans of 18m or to be used as tower elements with an extra welded climbing brace on one side (TD44).

HD44 is using the 3 mm wall thickness in the main tube which assures durability and extra strength. Designed for high frequency usage or installations, which demands higher loading.

Ideal trussing system for rental, touring and exhibition companies.

Made with the fast CS1 connection system.

*\* FD44 with 2 mm wall thickness, is discontinued as standard stock product but still available on request.*

### Facts

- TÜV approved
- Also available in any non-standard length and shape
- Tolerance free conical connector system
- Wall thickness of 3 mm for 50 mm main tubes
- HD44 is also available as a Tower Truss (TD44)

### Productcode Description

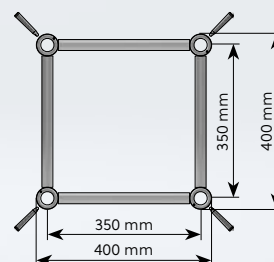
|          |                             |
|----------|-----------------------------|
| HD44-035 | HD44 Box Truss Length 35cm  |
| HD44-050 | HD44 Box Truss Length 50cm  |
| HD44-100 | HD44 Box Truss Length 100cm |
| HD44-150 | HD44 Box Truss Length 150cm |
| HD44-200 | HD44 Box Truss Length 200cm |
| HD44-250 | HD44 Box Truss Length 250cm |
| HD44-300 | HD44 Box Truss Length 300cm |
| HD44-350 | HD44 Box Truss Length 350cm |
| HD44-400 | HD44 Box Truss Length 400cm |

*Custom lengths are available upon request*

### Specifications HD44

|            |           |               |               |
|------------|-----------|---------------|---------------|
| Height:    | 400 mm    | Weight:       | 8,1~ kg/m     |
| Width:     | 400 mm    | Pin Position: | Diagonal      |
| Main Tube: | 50 x 3 mm | Material:     | EN AW-6082 T6 |
| Braces:    | 25 x 2 mm | Connection:   | CS1 - CON     |

### Diagram



## HD44 Square Truss Loading Charts



Electric Fireworks- Johan Cruijff ArenaA - Spark Media 2020

| Span | UDL                                                                                 |     | CPL                                                                                 |     | 1/3 Point load                                                                      |     | 1/4 Point load                                                                        |     | 1/5 Point load                                                                        |     |
|------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|-----|
|      |  |     |  |     |  |     |  |     |  |     |
| m    | kg/m                                                                                | mm  | kg                                                                                  | mm  | kg (2x)                                                                             | mm  | kg (3x)                                                                               | mm  | kg (4x)                                                                               | mm  |
| 6    | 459                                                                                 | 20  | 1625                                                                                | 19  | 1071                                                                                | 21  | 821                                                                                   | 23  | 684                                                                                   | 24  |
| 9    | 239                                                                                 | 54  | 1075                                                                                | 44  | 807                                                                                 | 55  | 538                                                                                   | 51  | 448                                                                                   | 55  |
| 12   | 131                                                                                 | 96  | 787                                                                                 | 78  | 590                                                                                 | 98  | 394                                                                                   | 92  | 328                                                                                   | 97  |
| 14   | 94                                                                                  | 131 | 661                                                                                 | 107 | 496                                                                                 | 134 | 330                                                                                   | 125 | 275                                                                                   | 132 |
| 16   | 71                                                                                  | 172 | 564                                                                                 | 141 | 423                                                                                 | 176 | 282                                                                                   | 164 | 235                                                                                   | 173 |
| 18   | 54                                                                                  | 218 | 488                                                                                 | 181 | 366                                                                                 | 223 | 244                                                                                   | 209 | 203                                                                                   | 220 |

Loading figures are based on Eurocode 9 standards and calculated according DIN EN 1991-1-1 (& /A2); to comply to ANSI, loading data needs to be multiplied by 0,85.





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