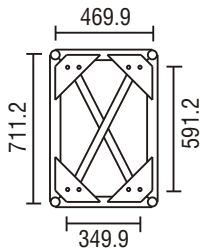


TFL Generic Truss Heavy Duty




This truss is capable of spanning up to 24 metres and is designed to cope with high loads. Due to its size and strength, Heavy Duty truss is ideal for supporting heavy point loads like P.A. clusters and video walls and is well suited for use in our Outdoor Stage Roof design.



Load Table

Span (metres)		3	6	9	12	15	18	21	24
UDL	kg	4903	4242	2845	2071	1560	1235	961	774
DEFL	mm	3	9	18	30	46	66	87	116
CPL	kg	4513	2287	1422	1036	780	618	480	387
DEFL	mm	3	8	13	24	37	54	74	99
TPL	kg	2620	1560	1067	777	585	463	360	290
DEFL	mm	3	8	17	30	46	66	88	117
QPL	kg	1934	1102	711	518	390	309	240	193
DEFL	mm	3	9	15	28	43	62	84	111

Span (metres)		3
UDL	kg	1840
DEFL	mm	0.1
CPL	kg	3088
DEFL	mm	7

Point Load Mid kN		6.95
		

Connection: Gusset Plate. Fixings: M16 x 45 HT Bolt, Nut & Washers

- All loads are given in Kilograms
- Allowance has been made for self-weight of truss
- Allowance has been made for frequent use factor of 85% according to prEN17115
- The payload of the truss has been calculated as a permanent action. Should it be necessary to consider the payload as a variable action, the tabulated figures should be reduced to 90% of the given values.

TFL Generic Truss Heavy Duty



Material Specifications

Main Cord: 50.8mm x 3.25mm
 Braces: 38.1mm x 3.25mm
 Material: EN AW-6082 T6
 Fixings: M16 x 45mm grade 8.8 HT Nuts & bolts

Accessories

Circles
 Angled Corners
 Bespoke Lengths
 Hinges and Swivels

Item Codes, Weights and Dimensions

HD5FN	HD 5ft Truss Section	1524mm x 752mm x 520mm	27 kg
HD8FN	HD 8ft Truss Section	2438mm x 752mm x 520mm	33 kg
HD10FN	HD 10ft Truss Section	3048mm x 752mm x 520mm	40 kg
HD1MN	HD 1M Truss Section	1000mm x 752mm x 520mm	20 kg
HD2MN	HD 2M Truss Section	2000mm x 752mm x 520mm	30 kg
HD3MN	HD 3M Truss Section	3000mm x 752mm x 520mm	40 kg
HD4MN	HD 4M Truss Section	4000mm x 752mm x 520mm	50 kg
HDC4MN	HD 4 Way Corner Section	520mm x 752mm x 520mm	40 kg

Design Specification

Manufactured in accordance with

BS EN 1090-3:2008 : Technical Requirements for aluminium structures

EN ISO 9001:2008 : Quality management systems

BS EN 1999 Pt 1-1 : Design of Aluminium Structures, General structural rules

prEN 17115 : Entertainment Technology – Specification for design and manufacture of aluminium and steel trusses.

