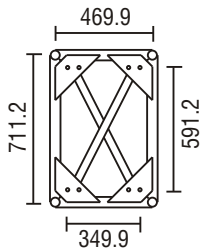


TFL Generic Truss Heavy Duty



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)	4	6	8	10	12	14	16	18	20	22	24
UDL kg	3853	3830	3079	2421	1976	1650	1401	1201	1037	753	461
DEFL mm	2	6	12	19	28	38	50	63	78	83	80
CPL kg	2223	2080	1539	1211	988	825	700	601	519	377	231
DEFL mm	2	6	10	16	23	31	41	52	66	71	71
TPL kg	1111	1100	1088	908	741	619	525	451	389	282	173
DEFL mm	1	5	12	20	28	39	51	64	79	84	81
QPL kg	1136	1040	770	605	494	413	350	300	259	188	115
DEFL mm	2	7	12	18	26	36	47	60	75	80	78

- All loads are given in Kilograms
- Allowance has been made for self-weight of truss
- Allowance has been made for frequent use factor of 83%
- 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

BS118 The Structural Use of Aluminium

CE Certified

