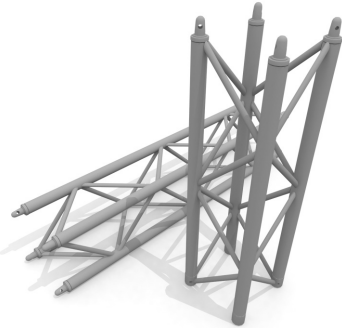


OV Truss OV30



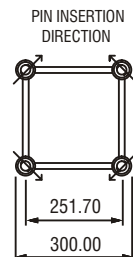
The OV range represents an innovative engineering solution to a common size of truss for the entertainment, event and presentation industry.

Designed to the latest Eurocodes, combines high comparative load capacities, low self-weight, and comes at a competitive price. All this whilst analysing the most common slinging / support methods on the truss has determined an 'engineered' product that can utilise the most modern manufacturing techniques.



The OV range is a series of square and triangular truss systems using conical connectors for a quick fixing method. Brace patterns are specifically designed to withstand the loads and forces implied by all common slinging and support methods. The extrusions used in the construction of the trusses are bespoke to Total Solutions Group and have been rigorously designed to enhance the structural effectiveness of the trusses and also to speed up manufacturing.

Span (metres)		3.0	6.0	9.0	12.0	15.0	18.0
Uniformly distributed	kg	2390	1750	1122	790	572	408
	kN	23.43	17.16	11.00	7.74	5.61	4.00
Central point load	kg	1195	875	561	395	286	204
	kN	11.71	8.58	5.50	3.87	2.80	2.00
Quarter point loads at each point	kg	597	437	280	197	143	102
	kN	5.86	4.28	2.75	1.94	1.40	1.00
Third point loads at each point	kg	896	656	420	296	214	153
	kN	8.78	6.43	4.12	2.90	2.10	1.50



- All loads are given in Kilograms and Kilonewtons
- 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

OV Truss

OV30



Material Specifications

Main Chord:	48.3 x 2.6mm
Braces:	Special Extrusion
Material Specifications:	EN AW-6082 T6
Fixings:	Conical : TFC pins & R3 Clips

Accessories

Circles
Hinges and Swivels
Bespoke Lengths
Ladder Sections

Item Codes, Weights and Dimensions

OV30-025	'OV' Truss, 30cm Squ, 0.25Mt section	250mm x 300mm x 300mm	3.1kg
OV30-050	'OV' Truss, 30cm Squ, 0.5Mt section	500mm x 300mm x 300mm	4.1kg
OV30-100	'OV' Truss, 30cm Squ, 1.0Mt section	1000mm x 300mm x 300mm	6.8kg
OV30-200	'OV' Truss, 30cm Squ, 2.0Mt section	2000mm x 300mm x 300mm	12.3kg
OV30-300	'OV' Truss, 30cm Squ, 3.0Mt section	3000mm x 300mm x 300mm	17.8kg
OV30-400	'OV' Truss, 30cm Squ, 4.0Mt section	4000mm x 300mm x 300mm	23.3kg
OV30-4W	'OV' Truss, 30cm Squ, 4way corner	500mm x 500mm x 300mm	8.6kg
OV30-CB	'OV' Truss, 30cm Squ, Basic Universal Corner Block	300mm x 300mm x 300mm	9.5kg
OV30-FC100	'OV' Truss, 30cm Squ, Female bolt-on Connector - 100mm	100mm x 48mm x 48mm	0.4kg
OV30-MC100	'OV' Truss, 30cm Squ, Male bolt-on Connector - 100mm	100mm x 48mm x 48mm	0.6kg
OV30-BP	'OV' Truss, 30cm Squ, Ali Base plate, 50cm Squ - No conns	500mm x 500mm x 8mm	5kg
OV30-TPB	'OV' Truss, 30cm Truss Pickup Beam - 1000Kgs	322mm x 170mm x 65mm	4.2kg

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

CWA15902-2 : Specifications for design, manufacture and for use of aluminium and steel trusses and towers

CE Certified

