

OV Truss

OV30 Triangular



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

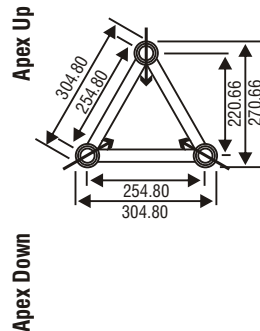
Designed to the latest Eurocodes, combines high comparative load capacities, low self-weight, and comes at a competitive price. All this whilst analysing the most common slinging / support methods on the truss has determined an 'engineered' product that can utilise the most modern manufacturing techniques.



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	6	9	12	15
UDL kg	2570	979	569	367	183
CPL kg	1285	489	284	184	92
TPL kg	964	367	213	138	69
QPL kg	642	244	142	92	46

Span (metres)	3	6	9	12	15
UDL kg	2570	979	403	367	245
CPL kg	1285	489	202	184	122
TPL kg	964	367	151	138	92
QPL kg	642	244	100	92	61



- 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

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Material Specifications

Main Cord:	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

OV30T-025	'OV' Truss, 30cm Tri, 0.25Mt section	250mm x 300mm x 266mm	2.3kg
OV30T-050	'OV' Truss, 30cm Tri, 0.5Mt section	500mm x 300mm x 266mm	3.1kg
OV30T-100	'OV' Truss, 30cm Tri, 1.0Mt section	1000mm x 300mm x 266mm	5.1kg
OV30T-200	'OV' Truss, 30cm Tri, 2.0Mt section	2000mm x 300mm x 266mm	9.2kg
OV30T-300	'OV' Truss, 30cm Tri, 3.0Mt section	3000mm x 300mm x 266mm	13.4kg
OV30T-400	'OV' Truss, 30cm Tri, 4.0Mt section	4000mm x 300mm x 266mm	17.5kg
OV30T-90	'OV' Truss, 30cm Tri, 90deg Horz corner	400mm x 400mm x 266mm	5.1kg
OV30T-3W	'OV' Truss, 30cm Tri, 3 Way Horz. corner	500mm x 400mm x 266mm	5.8kg
OV30T-4W	'OV' Truss, 30cm Tri, 4 Way Horz. corner	500mm x 500mm x 266mm	6.5kg
OV30T-GPC	'OV' Truss, 30cm Tri, Goal Post corner	400mm x 400mm x 266mm	5kg
OV30-FC100	'OV' Truss, Female bolt-on Connector - 100mm	100mm x 48mm x 48mm	0.4kg
OV30-MC100	'OV' Truss, Male bolt-on Connector - 100mm	100mm x 48mm x 48mm	0.6kg
OV30T-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

