

OV Truss

OV40 Triangular



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

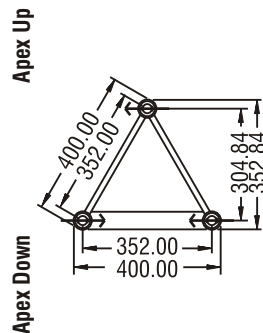
Designed to the latest Eurocodes, combines high comparative load capacities, low self-weight, and comes at a competitive price. All this whilst analysing the most common slinging / support methods on the truss has determined an 'engineered' product that can utilise the most modern manufacturing techniques.



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	18
UDL kg	3598	1370	789	538	367	117
CPL kg	1799	685	394	269	183	59
TPL kg	1349	514	296	202	138	44
QPL kg	890	343	197	135	92	29

Span (metres)	3	6	9	12	15	18
UDL kg	3598	1370	789	485	330	106
CPL kg	1799	685	394	242	165	53
TPL kg	1349	514	296	182	124	39
QPL kg	890	343	197	121	83	26



- 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 x 3mm
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

OV40-025	'OV' Truss, 40cm Tri, 0.25Mt section	250mm x 400mm x 353mm	2.6kg
OV40-050	'OV' Truss, 40cm Tri, 0.5Mt section	500mm x 400mm x 353mm	3.5kg
OV40-100	'OV' Truss, 40cm Tri, 1.0Mt section	1000mm x 400mm x 353mm	6.0kg
OV40-200	'OV' Truss, 40cm Tri, 2.0Mt section	2000mm x 400mm x 353mm	11.2kg
OV40-300	'OV' Truss, 40cm Tri, 3.0Mt section	3000mm x 400mm x 353mm	16.3kg
OV40-400	'OV' Truss, 40cm Tri, 4.0Mt section	4000mm x 400mm x 353mm	21.3kg
OV40-90	'OV' Truss, 40cm Tri, 90 deg corner	500mm x 500mm x 353mm	5.8kg
OV40-3W	'OV' Truss, 40cm Tri, 3way corner	600mm x 500mm x 353mm	6.9kg
OV40-4W	'OV' Truss, 40cm Tri, 4way corner	600mm x 600mm x 353mm	8kg
OV40-GPC	'OV' Truss, 40cm Tri, Goal Post corner	500mm x 500mm x 353mm	5.7kg
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
OV40-BP	'OV' Truss, 40cm, Ali Base plate, 50cm Squ - No conns	600mm x 600mm x 8mm	5kg
OV40-TPB	'OV' Truss, 40cm, Truss Pickup Beam - 1000Kgs	422mm x 170mm x 65mm	5.2kg

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

