

Versatruss is a lightweight, structural, modular aluminum truss system. Its portability and durability make Versatruss ideal for tradeshow

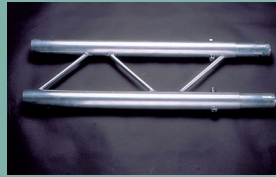
booths, exhibits, displays, and many lighting and staging applications.

Versatruss is available in **2, 3 and 4 chord** configurations, in a variety of sizes.

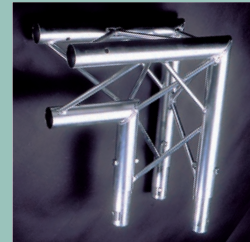
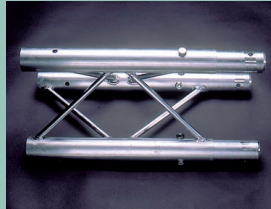
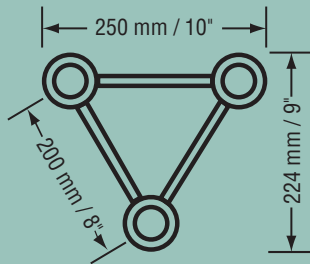
2" (50 mm) OD X .065" (1.6 mm) WALL WITH 1/2" (12.7 mm) WEBBING

10" TRUSS (Outside Dimensions)

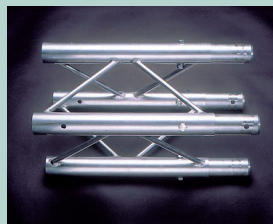
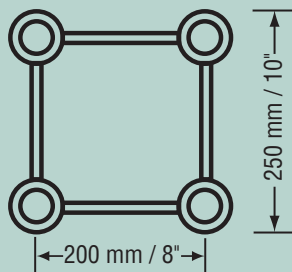
LADDER TRUSS (2 Chord)



TRIANGULAR TRUSS (3 Chord)



BOX TRUSS (4 Chord)

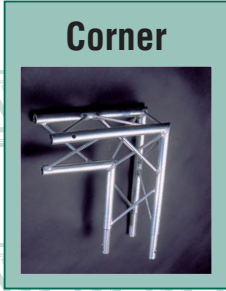
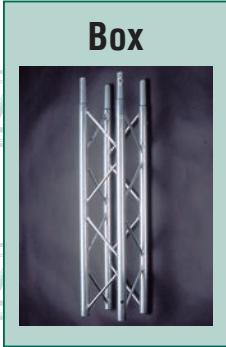
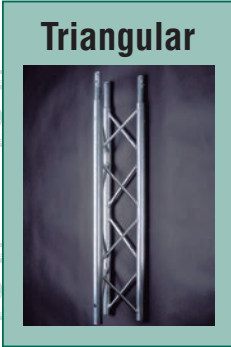


2" Trusses are stocked in 0.2 meter / 8" increments, however, can be manufactured to any specified length

Corners add: 400 mm / 16"
T junctions add: 550 mm / 21 3/4"

1" (25 mm) OD X .079" (2 mm) WALL WITH 5/6" (8 mm) WEBBING

6" TRUSS (Outside Dimensions)



Corners add: 305 mm / 12"
T junctions add: 457 mm / 18"

9" TRUSS (Outside Dimensions)

LADDER TRUSS (2 Chord)

TRIANGULAR

BOX TRUSS (4 Chord)

1" Trusses are stocked in 0.15 meter / 6" increments, however, can be manufactured to any specified length

Corners add: 457 mm / 18"
T junctions add: 610 mm / 24"

TRIANGULAR TRUSS JUNCTIONS (3 CHORD)

2 Way (2W)



3 90 2W



3 90 2W



3 120 2W



3 135 2W

3 Way (3W)



3 T 3W v



3 T 3W h



3 120 3W



3 135 3W

3 Way (3W)



3 90 3W L



3 90 3W R

4 Way (4W)



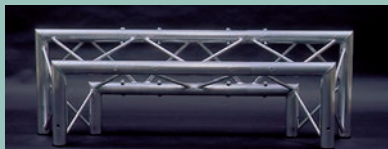
3 90 4W L



3 90 4W R

TRIANGULAR TRUSS ORIENTATION

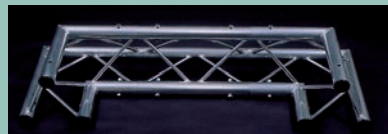
Apex Up *



Apex In **



Rotated 90° *



Rotated 90° **



LADDER TRUSS JUNCTIONS (2 CHORD)

2 Way (2W)



90°



120°



135°



150°

2 120 2W

2 135 2W

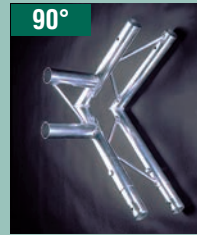
2 150 2W

3 Way (3W)



T

2 T 3W



90°

2 90 3W

4 Way (4W)



90°

2 T 4W

BOX TRUSS JUNCTIONS (4 CHORD)

2 Way (2W)



90°

4 90 2W



120°

4 120 2W



135°

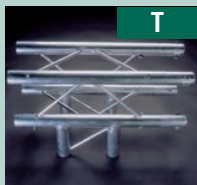
4 135 2W



150°

4 150 2W

3 Way (3W)



T

4 T 3W



90°

4 90 3W

4 Way (4W)



90°

4 90 4W

Junctions Less than 90 Degrees



2" truss corners add: 800 mm / 31 1/2"

Junction Angle

Polygon Configuration

45

Right Angle Triangle

60

Equilateral Triangle

120

Hexagon

135

Octagon

150

12 Sided Polygon

SPECIFICATIONS

A truss has two elements – the longitudinal member of chord, and the cross member or web. The combination of chords and webs provides load bearing capability over long free spans and enables Versatruss to provide a reliable foundation for displays while maintaining a visually appealing sense of openness.

The 2 and 3 chord trusses will provide the load bearing performance indicated in the accompanying charts.

The 3 chord truss provides greatly increased load bearing capacity without a proportional increase in weight over the 2 chord truss.

2" Tube – Ladder Truss (2 Chord)

Length		Point Load ²	UDL ³	Weight
m.	in.	lb.	lb./ft.	lb.
0.6	24	–	–	4
1.0	39	930	345	5
2.0	78	790	145	8
3.0	118	720	87	12
4.0	157	685	64	15
5.0	197	650	46	18
6.0	236	575	36	21
7.0	276	505	32	24
8.0	315	430	26	28

Used in the upright mode

² Point Load – Center point load on the truss

2" Tube – Triangular Truss (3 Chord)

Length		Point Load ²	UDL ³	Weight
m.	in.	lb.	lb./ft.	lb.
0.6	24	–	–	6
1.0	39	1840	775	8
2.0	78	1600	310	14
3.0	118	1440	168	20
4.0	157	1080	122	26
5.0	197	865	86	33
6.0	236	720	58	39
7.0	276	575	43	44
8.0	315	520	32	49

Box Truss load ratings are 30% greater than triangular truss ratings

³ UDL – Uniformly distributed load along the truss

1" Tube – Load Information

Outside Dimension	Triangular Truss	Box Truss
6"	15%	20%
9"	25%	30%

Percentages are based on the 2" triangular truss loads above.

Curves

Both the 2" and 1" trusses in ladder, triangular, and box can be curved to suit a variety of applications.



Custom Sizes

Trusses can also be manufactured in many custom sizes.



Connection System (for ease of installation)

The 2" truss systems are connected with an 8" sleeve (insert) which is attached with M10 bolts and nylocks.



Insert

For installation use 11/16" wrenches.

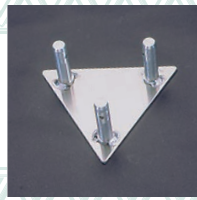
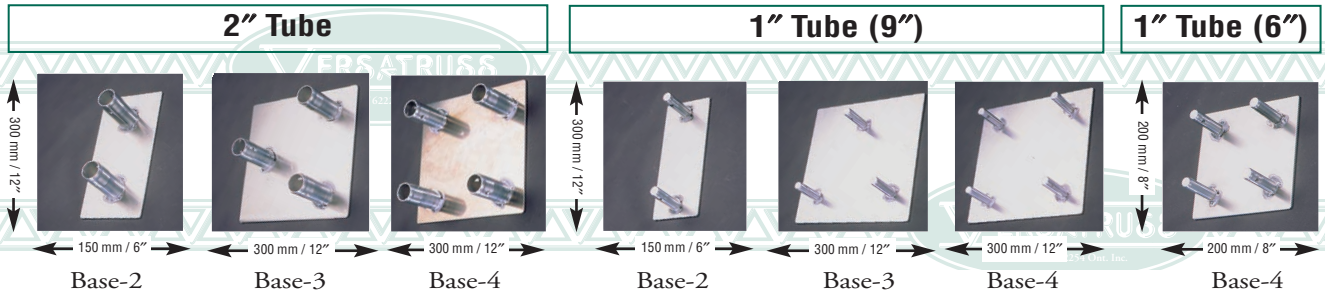
The 1" truss systems are connected with an expansion insert, which is attached with 1/4" screws.



Expansion Insert

For installation use 1/8" allen key.

Base Plates : Base plates are commonly used at the bottom of a leg of truss to increase stability; as well as to secure trusses to a wide variety of surfaces.



Custom Base Plates

Custom triangular and circular base plates are available.



Graphic Clip

Stainless steel clips are available for attaching graphic panels, signage, or small lighting fixtures to the truss.



Reinforcing Collar

These are welded to the ends of the tubes to supply additional reinforcing.



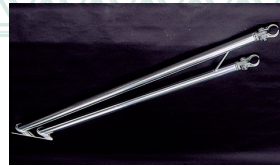
Extender

A set of swivel castings are used to connect different cross sections of truss (example ladder truss to triangular truss)



End Caps

Black plastic end caps are used to finish off all trusses.



Braces

Outside braces add additional stability to a truss structure.



Quick Clip

A quick release clip can be used to replace the nut and bolt assembly to facilitate quick installation and dismantling.



Inside braces can be used to increase structural rigidity, or to accommodate the mounting of graphics/panels.

POWDER COATING:
 Versatruss is stocked in a standard natural aluminum mill finish.
 Powder coated finishes are also available.



Modular truss system to form an entire exhibit or accent your existing booth.

A Division of 622254 Ont. Inc.

P.O. Box 2031
 Perth, Ontario
 Canada K7H 3M9
 613-264-0074
 Fax: 613-264-0889
 1-888-430-7613
 email: info@versatruss.com
<http://www.versatruss.com>

Trade Shows • Festivals & Special Events • Museum Exhibits • Lighting Applications



VERSATRUS

A Division of 622254 Ont. Inc.