

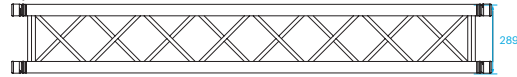
PRODUCT DATA SHEET

The Verto* truss is based on a new principle of truss connection, where the sections are joined by a rotating coupler system. This system has great advantages over existing systems. The name Verto is derived from Latin, meaning to turn or to turn around and that is exactly how this coupler works. A simple flick of your wrist will connect the truss modules.

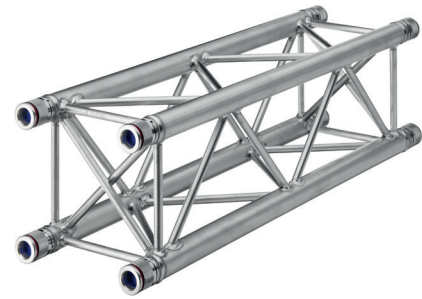
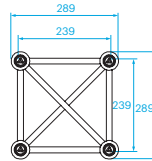
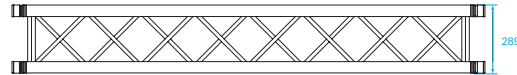
The Verto truss is designed as an additional system, for those circumstances where its specific characteristics come into play, like the silent connection and reduced assembly time. Its structure resembles that of the standard H30V truss.

VER-H30V

Top View



Side View



Technical Specifications - Verto

Type	VER-H30V
Alloy	EN AW 6082 T6
Main Chords	48 x 3 mm
Diagonal Members	16 x 2 mm
Coupling System	Verto, CrMo4

VER-H30V - Standard available Lengths and Codes

Metres	Feet	Code
0,25	0.82	VER-H30V-L025
0,29	0.95	VER-H30V-L029
0,50	1.64	VER-H30V-L050
0,71	2.33	VER-H30V-L071
1,00	3.28	VER-H30V-L100
1,50	4.57	VER-H30V-L150
2,00	6.56	VER-H30V-L200
2,50	8.20	VER-H30V-L250
3,00	9.84	VER-H30V-L300
4,00	13.12	VER-H30V-L400

VERTO H30V SQUARE SERIE TRUSS



VER-H30V - Allowable Loading

SPAN		Uniformly Distributed Load		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
		UDL				CPL		DEFLECTION		TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight
3	9,8	647,4	435,6	10	0,4	1557,0	3436,4	8	0,3	971,1	2143,3	647,4	1428,9	485,6	1071,6	21,4
4	13,1	483,8	325,5	18	0,7	1228,7	2711,7	15	0,6	862,4	1903,3	645,0	1423,6	483,8	1067,7	28,4
5	16,4	385,6	259,4	28	1,1	1025,0	2262,2	23	0,9	702,7	1550,8	565,7	1248,4	449,8	992,7	35,5
6	19,7	320,1	215,4	41	1,6	877,2	1935,9	33	1,3	609,1	1344,2	476,9	1052,6	375,4	828,5	42,6
7	23,0	254,1	170,9	56	2,2	764,6	1687,4	45	1,8	536,3	1183,6	411,1	907,3	326,1	719,7	49,7
8	26,2	192,8	129,7	73	2,9	675,8	1491,4	58	2,3	477,9	1054,8	360,2	794,9	287,4	634,4	56,8
9	29,5	150,8	101,5	92	3,6	603,7	1332,3	74	2,9	430,0	949,0	319,5	705,2	256,3	565,6	63,9
10	32,8	120,8	81,3	114	4,5	543,9	1200,3	91	3,6	389,8	860,2	286,2	631,6	230,5	508,7	71
11	36,1	98,6	66,3	137	5,4	493,3	1088,6	110	4,3	355,5	784,6	258,3	570,1	208,8	460,8	78,1
12	39,4	81,7	55,0	164	6,5	449,8	992,7	131	5,2	325,8	719,1	234,6	517,7	190,2	419,8	85,2
13	42,6	68,5	46,1	192	7,6	411,9	909,1	154	6,1	299,8	661,7	214,0	472,4	174,1	384,2	92,3
14	45,9	58,1	39,1	223	8,8	378,6	835,5	178	7,0	276,8	611,0	196,1	432,8	159,9	352,9	99,4
15	49,2	49,7	33,4	256	10,1	348,9	770,0	205	8,1	256,3	565,6	180,2	397,7	147,3	325,1	106,5
16	52,5	42,8	28,8	291	11,5	322,2	711,1	233	9,2	237,7	524,6	166,0	366,4	136,0	300,2	113,6
17	55,8	37,1	25,0	328	12,9	298,1	657,9	263	10,4	220,9	487,4	153,2	338,2	125,8	277,7	120,7
18	59,0	32,3	21,7	368	14,5	276,1	609,3	295	11,6	205,4	453,4	141,6	312,6	116,5	257,2	127,8
19	62,3	28,3	19,0	410	16,1	255,9	564,8	328	12,9	191,2	422,1	131,0	289,2	108,0	238,4	134,9
20	65,6	24,8	16,7	454	17,9	237,3	523,6	364	14,3	178,1	393,0	121,3	267,6	100,2	221,1	142

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg



- Tuv certification only valid for loading table above.
- Loading figures are only valid for static loads.
- Loading figures are only valid for single spans with supports at both ends.
- All static systems, other than single spans, need an individual structural calculation. Please contact a structural engineer or Prolyte for assistance.
- Loading figures are calculated according to and in full compliance with European standards (Eurocode).
- The self-weight of the trusses is already taken into account.
- Loading figures are only valid for the cross sectional orientation of the truss as shown by the icon in the loading table.
- The interaction between bending moment and shear force at the connection point is already taken into account.
- Truss spans can be assembled from different truss lengths.
- Read the manual before assembling, using and loading the truss.