VERTO H40R RECTANGULAR SERIE TRUSS

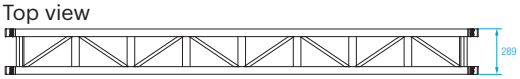
PRODUCT DATA SHEET

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.

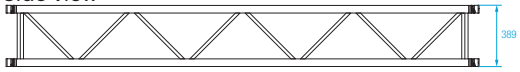
The Verto truss is designed as an additional system, for those circumstances where its specific characteristics come into play, like the silent connection and reduced assembly time. Its structure resembles that of the standard H30V truss.

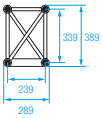
VER-H40R

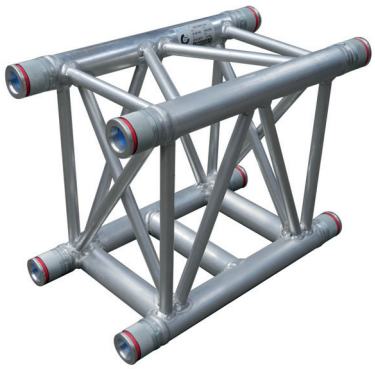
Top view



Side view







Technical Specifications – Verto H40R

Type	VER-H40R
Alloy	EN AW 6082 T6
Main Chords	48 x 3 mm
Braces	20 x 2 mm
Coupling System	Verto, CrMo4

Standard available lengths and codes H40R codes

Metres	Feet	Code
0,50	1,64	V-H40R-L050
1,00	3,28	VER-H40R-L100
1,50	4,57	VER-H40R-L150
2,00	6,56	VER-H40R-L200
2,50	8,20	VER-H40R-L250
3,00	9,84	VER-H40R-L300
4,00	13,12	VER-H40R-L400

PROLYTE
Feel. Fantastic.

VERTO H40R RECTANGULAR SERIE TRUSS

VER-H40R - Allowable Loading

SPAN		Uniformly Distributed Load		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
		UDL				Centre Point Load CPL		DEFLECTION		Single Load Third Points Load per Point TPL		Single Load Fourth Points Load per Point QPL		Single Load Fifth Points Load per Point FPL		
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight
3	9,8	834,5	561,5	7	0,3	2011,3	4438,9	6	0,2	1251,7	2765,5	834,5	1841,7	625,8	1381,2	24
4	13,1	624,0	419,9	13	0,5	1595,7	3521,8	10	0,4	1100,7	2429,2	832,1	1836,4	624,0	1377,3	32
5	16,4	497,8	334,9	20	0,8	1352,2	2984,4	16	0,6	915,7	2021,0	768,2	1695,3	612,0	1350,7	40
6	19,7	413,6	278,3	29	1,1	1171,3	2585,1	23	0,9	793,0	1750,2	656,1	1448,0	506,0	1116,8	48
7	23,0	353,5	237,9	40	1,6	1031,4	2276,3	32	1,2	706,6	1559,4	569,5	1256,9	443,4	978,6	56
8	26,2	276,5	186,1	52	2,0	919,6	2029,6	41	1,6	636,2	1404,1	502,1	1108,2	394,0	869,5	64
9	29,5	217,0	146,0	65	2,6	828,2	1827,8	52	2,1	577,6	1274,8	448,1	988,9	353,8	780,9	72
10	32,8	174,4	117,3	81	3,2	751,8	1659,1	65	2,5	528,0	1165,4	403,7	890,9	320,4	707,2	80
11	36,1	142,9	96,1	98	3,8	686,8	1515,9	78	3,1	485,5	1071,4	366,5	808,8	292,2	644,9	88
12	39,4	118,9	80,0	116	4,6	630,9	1392,4	93	3,7	448,4	989,7	334,8	738,9	268,0	591,4	96
13	42,6	100,2	67,4	137	5,4	582,1	1284,6	109	4,3	415,8	917,7	307,4	678,5	246,9	545,0	104
14	45,9	85,4	57,5	158	6,2	539,0	1189,6	127	5,0	386,9	853,9	283,5	625,7	228,4	504,1	112
15	49,2	73,5	49,5	182	7,2	500,7	1105,0	146	5,7	361,0	796,7	2562,4	579,1	212,0	467,9	120
16	52,5	63,7	42,9	207	8,1	466,3	1029,0	166	6,5	337,6	745,1	243,5	537,5	197,3	435,4	128
17	55,8	55,6	37,4	234	9,2	435,1	960,4	187	7,4	316,4	698,2	226,6	500,1	184,0	406,1	136
18	59,0	48,8	32,9	262	10,3	406,8	897,8	210	8,3	296,9	655,4	211,3	466,3	171,9	379,5	144
19	62,3	43,1	29,0	292	11,3	380,9	840,6	233	9,2	279,1	615,9	197,3	435,5	160,9	355,2	152
20	65,6	38,2	25,7	323	12,7	357,0	787,8	259	10,2	262,6	579,5	184,5	407,2	150,8	332,8	160

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

Without deflection limit

- Tüv 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.