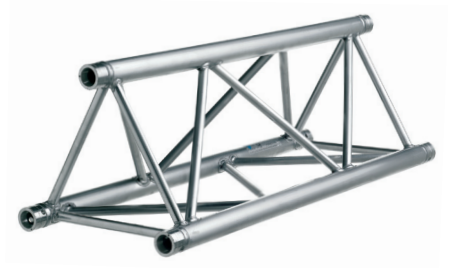
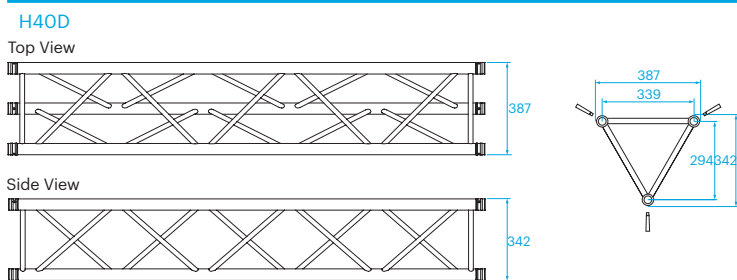


PRODUCT DATA SHEET

H40 Series truss is constructed of main chords (48 x 3 mm) and diagonals (20 x 2 mm), and uses the CCS6 coupling system. Prolyte supplies a variety of H40 Series truss elements that

provide maximum flexibility, including standard or custom-made lengths, circles and arches and several types of corners. Prolyte can create custom-made pieces on request.



Technical Specifications - H40L, H40D, H40V, H40R

Types	Ladder (L), Triangular (D), Square (V), Rectangular (R)
Alloy	EN AW 6082 T6
Main Chords	48 x 3 mm
Diagonal Members	20 x 2 mm
Coupling System	CCS6

Structural data can be found at www.prolyte.com

H40L, H40D, H40V, H40R- Standard available Lengths and Codes

Metres	Feet	Code*
0.25/1.00 m in 5 mm steps 0.82'/3.28', in 0.2' steps		
0,25	0.82	H40--L025
0,50	1.90	H40--L050
0,75	2.46	H40--L075
0,81	2.65	H40--L081
1,00	3.28	H40--L100
1,50	4.92	H40--L150
2,00	6.56	H40--L200
2,50	8.20	H40--L250
3,00	9.84	H40--L300
4,00	13.12	H40--L400

*on • indicate L for Ladder, D for triangular or V for square, R for rectangular truss

Example: H40V-L200

H40D TRIANGULAR SERIE TRUSS



H40D - Allowable Loading

SPAN		Uniformly Distributed Load		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
						Centre Point Load		DEFLECTION		Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fifth Points Load per Point		
m	ft	kg/m	lbs/ft	mm	inch	CPL		mm	inch	TPL		QPL		FPL		total weight
3	9,8	724,4	487,4	9	0,4	1048,3	2313,5	8	0,3	715,6	1579,4	581,4	1283,2	451,7	996,8	15,0
4	13,1	487,6	328,1	17	0,7	824,1	1818,9	13	0,5	573,8	1266,3	446,7	985,8	352,4	777,8	20,0
5	16,4	310,4	208,9	26	1,0	677,3	1494,8	21	0,8	477,8	1054,6	361,7	798,2	288,3	636,3	25,0
6	19,7	214,2	144,1	38	1,5	573,4	1265,4	30	1,2	408,5	901,5	303,0	668,8	243,3	536,9	30,0
7	23,0	156,2	105,1	51	2,0	495,7	1094,1	41	1,6	355,9	785,4	260,0	573,8	209,9	463,2	35,0
8	26,2	118,5	79,8	64	2,5	435,3	960,7	53	2,1	314,5	694,1	226,9	500,9	184,0	406,0	40,0
9	29,5	92,7	62,4	85	3,3	386,8	853,8	68	2,7	281,0	620,2	200,7	443,0	163,3	360,4	45,0
10	32,8	74,2	50,0	104	4,1	347,0	765,8	84	3,3	253,3	558,9	179,3	395,8	146,3	323,0	50,0
11	36,1	60,6	40,8	126	5,0	313,5	691,9	101	4,0	229,8	507,3	161,5	356,5	132,1	291,6	55,0
12	39,4	50,2	33,8	150	5,9	284,9	628,9	120	4,7	209,8	463,0	146,4	323,1	120,1	265,0	60,0
13	42,6	42,1	28,3	176	6,9	260,2	574,3	141	5,6	192,3	424,5	133,4	294,3	109,6	241,9	65,0
14	45,9	35,7	24,0	205	8,1	238,5	526,4	164	6,5	177,0	390,6	122,0	269,2	100,5	221,7	70,0
15	49,2	30,5	20,5	235	9,3	219,3	484,0	188	7,4	163,3	360,5	111,9	247,1	92,4	203,9	75,0
16	52,5	26,3	17,7	267	10,5	202,1	446,0	214	8,4	151,1	333,5	103,0	227,3	85,1	187,9	80,0
17	55,8	22,7	15,3	302	11,9	186,6	411,7	241	9,5	140,0	309,0	94,9	209,5	78,6	173,5	85,0
18	59,0	19,8	13,3	338	13,3	172,4	380,6	271	10,7	129,9	286,8	87,6	193,4	72,7	160,5	90,0
19	62,3	17,3	11,6	377	14,8	159,5	352,1	302	11,9	120,7	266,3	81,0	178,7	67,3	148,5	95,0
20	65,6	15,2	10,2	417	16,4	147,6	325,8	334	13,1	112,1	247,5	74,9	165,2	62,3	137,5	100,0

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 Prolite 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.