

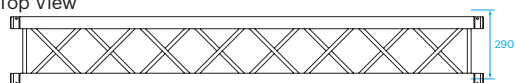
PRODUCT DATA SHEET

X30 Series truss is constructed of main chords (51 x 2 mm) and diagonals (16 x 2 mm), and uses the CCS6 coupling system. Prolyte supplies a variety of X30 Series truss modules that provide maximum flexibility, including standard or custom-made

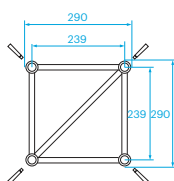
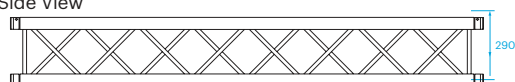
lengths, circles and arches and several types of corners. Prolyte can create custom-made pieces on request.

X30V

Top View



Side View



Technical Specifications - X30 Series

Types	Ladder (L), Triangular (D), Square (V)
Alloy	EN AW 6082 T6
Main Chords	51 x 2 mm
Diagonal Members	16 x 2 mm
Coupling System	CCS6

Structural data can be found at www.prolyte.com



X Coupler - 1 ring

H Coupler - 2 rings

X30 Series - 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	X30•-L025
0,29	0.95	X30•-L029
0,50	1.64	X30•-L050
0,71	2.33	X30•-L071
0,75	2.46	X30•-L075
1,00	3.28	X30•-L100
1,50	4.92	X30•-L150
2,00	6.56	X30•-L200
2,50	8.20	X30•-L250
3,00	9.84	X30•-L300
4,00	13.12	X30•-L400

*on • indicate L for Ladder, D for Triangular or V for Square truss. Example: X30V-L200

The number of recessed rings in the coupler receiver distinguishes the X and H Series.

X30V SQUARE SERIE TRUSS



X30V - 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	
								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	650,0	437,4	10	0,4	1215,0	2681,5	8	0,3	853,5	1883,6	650,0	1434,6	487,5	1076,0	15,3			
4	13,1	486,4	327,3	18	0,7	959,5	2117,5	15	0,6	664,0	1465,5	523,6	1155,5	411,2	907,5	20,4			
5	16,4	367,1	247,0	28	1,1	791,1	1746,0	23	0,9	555,2	1225,4	424,9	937,7	337,3	744,5	25,5			
6	19,7	253,5	170,6	41	1,6	671,5	1482,0	33	1,3	476,1	1050,8	356,6	787,1	285,4	629,8	30,6			
7	23,0	185,1	124,5	55	2,2	581,9	1284,3	44	1,7	415,9	918,0	306,5	676,5	246,7	544,4	35,7			
8	26,2	140,6	94,6	72	2,9	512,2	1130,4	58	2,3	368,5	813,2	268,1	591,6	216,7	478,3	40,8			
9	29,5	110,1	74,1	92	3,6	456,2	1006,8	73	2,9	330,0	728,3	237,5	524,2	192,7	425,4	45,9			
10	32,8	88,3	59,4	113	4,5	410,1	905,1	91	3,6	298,1	658,0	212,7	469,3	173,1	382,0	51,0			
11	36,1	72,2	48,6	137	5,4	371,4	819,7	110	4,3	271,2	598,6	191,9	423,6	156,6	345,7	56,1			
12	39,4	59,9	40,3	163	6,4	338,4	746,9	131	5,1	248,1	547,6	174,4	384,8	142,7	314,8	61,2			
13	42,6	50,4	33,9	191	7,5	309,9	683,9	153	6,0	228,1	503,4	159,2	351,4	130,6	288,2	66,3			
14	45,9	42,8	28,8	222	8,7	284,9	628,7	178	7,0	210,5	464,5	146,1	322,4	120,0	264,8	71,4			
15	49,2	36,7	24,7	255	10,0	262,7	579,8	204	8,0	194,8	429,9	134,4	296,7	110,7	244,2	76,5			
16	52,5	31,7	21,3	290	11,4	242,9	536,1	232	9,1	180,8	399,0	124,1	273,9	102,3	225,9	81,6			
17	55,8	27,6	18,5	327	12,9	225,1	496,8	262	10,3	168,1	371,0	114,8	253,4	94,8	209,3	86,7			
18	59,0	24,1	16,2	367	14,4	208,9	461,1	294	11,6	156,6	345,6	106,4	234,8	88,0	194,3	91,8			
19	62,3	21,2	14,2	409	16,1	194,1	428,5	327	12,9	146,0	322,3	98,7	217,9	81,8	180,6	96,9			
20	65,6	18,6	12,5	453	17,8	180,5	398,5	363	14,3	136,3	300,8	91,7	202,4	76,1	168,1	102			

1 inch = 25,4 mm | 1m = 3,28 ft | 1 lbs = 0,453 kg

- 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.

