

PRODUCT DATA SHEET

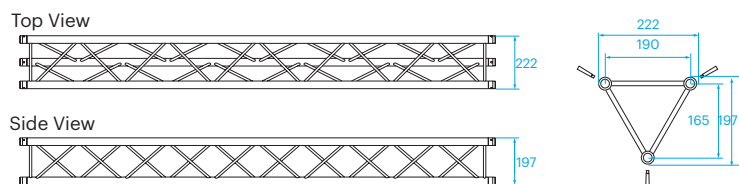
Designed as a lightweight, light-duty truss system with a mainly decorative function, the E20 Series is a small and aesthetically pleasing truss that can be used for structural purposes as well.

Compact construction, optimum strength and high-tech appearance make this truss an appropriate decorative element with numerous applications. E20 Series is available in triangular and square.

Coupling system: CCS4



E20D



Technical Specifications - E20 Series

Types	Triangular (D), Square (V)
Alloy	EN AW 6060 T66
Main Chords	32 x 1,5 mm
Diagonal Members	10 x 1,0 mm
Coupling System	CCS4

Structural data can be found at www.prolyte.com

E20 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	E20--L025
0,50	1.64	E20--L050
0,58	1.90	E20--L058
1,00	3.28	E20--L100
1,50	4.92	E20--L150
2,00	6.56	E20--L200
2,50	8.20	E20--L250
3,00	9.84	E20--L300
4,00	13.12	E20--L400

*on • indicate D for Triangular or V for Square truss

Example: E20V-L200

E2OD TRIANGULAR SERIE TRUSS



E2OD - 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	97,2	65,4	10	0,4	125,9	277,8	8	0,3	88,4	195,1	67,6	149,1	53,7	118,4	4,8
4	13,1	54,0	36,4	18	0,7	96,7	213,5	14	0,6	69,0	152,4	51,0	112,7	41,0	90,6	6,4
5	16,4	34,1	22,9	28	1,1	78,0	172,1	22	0,9	56,3	124,2	40,7	89,8	33,0	72,8	8,0
6	19,7	23,2	15,6	40	1,6	64,8	142,9	32	1,3	47,1	104,1	33,6	74,1	27,3	60,3	9,6
7	23,0	16,7	11,2	54	2,1	54,9	121,1	43	1,7	40,3	88,9	28,3	62,4	23,1	51,1	11,2
8	26,2	12,4	8,4	71	2,8	47,2	104,1	56	2,2	34,8	76,9	24,2	53,4	19,9	43,9	12,8
9	29,5	9,5	6,4	89	3,5	40,9	90,3	71	2,8	30,4	67,2	20,9	46,2	17,3	38,1	14,4
10	32,8	7,4	5,0	110	4,3	35,7	78,9	88	3,5	26,8	59,1	18,2	40,2	15,1	33,3	16,0
11	36,1	5,9	4,0	133	5,3	31,3	69,1	107	4,2	23,6	52,1	15,9	35,2	13,2	29,2	17,6
12	39,4	4,7	3,2	159	6,2	27,5	60,7	127	5,0	20,9	46,1	14,0	30,8	11,6	25,6	19,0
13	42,6	3,8	2,6	186	7,3	24,1	53,3	149	5,9	18,4	40,7	12,2	27,0	10,2	22,5	20,6
14	45,9	3,1	2,1	216	8,5	21,1	46,6	173	6,8	16,2	35,8	10,7	23,6	8,9	19,7	22,2
15	49,2	2,5	1,7	248	9,8	18,4	40,6	199	7,8	14,1	31,1	9,3	20,5	7,8	17,2	23,8
16	52,5	2,0	1,4	282	11,1	15,9	35,2	226	8,9	12,2	26,9	8,0	17,7	6,8	14,9	25,4
17	55,8	1,6	1,1	319	12,5	13,7	30,2	255	10,0	10,4	23,0	6,9	15,2	5,8	12,8	27,0
18	59,0	1,3	0,9	357	14,1	11,6	25,5	286	11,3	8,8	19,4	5,8	12,8	4,9	10,8	28,6

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.
- Read the manual before assembling, using and loading the truss.