PROLYTE E20D - ALLOWABLE LOADING

MAXIMUM ALLOWABLE POINT LOADS

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		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		SPAN
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	339,8	228.7	1	0.04	339,8	750.0	1	0.04	169,9	375.0	113,0	249.4	85,0	187.5	1,6
2	6.6	169,1	113.8	3	0.12	225,4	497.4	2	0.09	169,0	373.1	112,2	247.6	84,6	186.6	3,2
3	9.8	99,3	66.8	7	0.28	148,9	328.7	5	0.20	111,7	246.5	74,5	164.3	61,8	136.4	4,8
4	13.1	55,1	37.1	12	0.47	110,3	243.4	10	0.39	82,7	182.6	55,1	121.7	45,8	101.0	6,4
5	16.4	34,7	23.4	19	0.75	86,8	191.5	15	0.59	65,1	143.7	43,4	95.8	36,0	79.5	8,0
6	19.7	23,6	15.9	27	1.06	70,9	156.4	22	0.87	53,1	117.3	35,4	78.2	29,4	64.9	9,6
7	23.0	19,9	11.4	37	1.46	59,3	130.8	29	1.14	44,4	98.1	29,6	65.4	24,6	54.3	11,2
8	26.2	12,6	8.5	48	1.89	50,3	111.1	39	1.54	37,8	83.3	25,2	55.6	20,9	46.1	12,8
9	29.5	9,6	6.5	61	2.40	43,2	95.4	49	1.93	32,4	71.6	21,6	47.7	17,9	39.6	14,4
10	32.8	7,5	5.0	75	2.95	37,4	82.5	60	2.36	28,0	61.9	18,7	41.3	15,5	34.3	16,0
11	36.1	5,9	4.0	91	3.58	32,5	71.7	73	2.87	24,4	53.7	16,2	35.8	13,5	29.7	17,6
12	39.4	4,7	3.2	108	4.25	28,2	62.3	87	3.43	21,2	46.7	14,1	31.2	11,7	25.9	19,2

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

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 344/02
Test report No. 343/02
TÜV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS E20 SERIES

Types	Ladder (L), Triangle (D), Square (V)
Alloy	EN AW 6060 T5
Main tubes (chords)	32 x 1,5 mm
Braces	10 x 1,0 mm
Coupling system	CCS4 series

Type		E20D	E20V	
Allowable Normal Force in Main Chord	N	6,90	6,90	kN
Allowable Normal Force in Diagonals	N	1,36	1,36	kN
Surface area Complete Truss	A	4,31	5,75	cm^2
Moment of Inertia Y-axis	Iy	224,7	446,7	cm^4
Moment of Inertia Z-axis	Iz	223,4	446,7	cm^4
Allowable bending moment Y-axis	My	1,14	2,62	kNm
Allowable bending moment Z-axis	Mz	1,31	2,62	kNm
Allowable shear force Z-axis	Qz/Vz	1,67	1,92	kN
Allowable shear force Y-axis	Qy/Vy	0,96	1,92	kN
Selfweight	kg	1,6	2,1	kg/m

E20 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,25	0.38	E20•-L025
0,50	1.64	E20•-L050
0,58	1.90	E20•-L058
0,75	2.46	E20•-L075
1,00	3.28	E20•-L100
1,50	4.57	E20•-L150
2,00	6.56	E20•-L200
2,50	8.20	E20•-L250
3,00	9.84	E20•-L300
3,50	11.48	E20•-L350
4,00	13.12	E20•-L400
4,50	14.76	E20•-L450
5,00	16.40	E20•-L500

*on • indicate L for ladder, D for triangle or V for Square truss. Example: E20V-L200

PROLYTE E20V TRUSS

PROLYTE E20V - 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	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	381,8	256.9	1	0.04	381,8	842.6	1	0.04	190,9	421.3	126,9	280.1	95,4	210.6	2,1
2	6.6	189,8	127.7	3	0.12	379,7	837.9	3	0.12	189,8	419.0	125,9	277.8	94,9	209.5	4,2
3	9.8	125,9	84.7	8	0.32	346,4	764.5	6	0.24	188,8	416.6	124,8	275.4	94,4	208.3	6,3
4	13.1	93,9	63.2	14	0.55	258,0	569.3	11	0.43	187,7	414.3	123,8	273.1	93,9	207.2	8,4
5	16.4	74,7	50.2	22	0.87	204,5	451.3	17	0.67	153,4	338.5	102,2	225.6	84,9	187.3	10,5
6	19.7	56,2	37.8	31	1.22	168,5	371.8	25	0.98	126,4	278.9	84,2	185.9	69,9	154.3	12,6
7	23.0	40,7	27.4	43	1.69	142,5	314.4	34	1.34	106,8	235.8	71,2	157.2	59,1	130.5	14,7
8	26.2	30,7	20.6	56	2.20	122,7	270.8	45	1.77	92,0	203.1	61,3	135.4	50,9	112.4	16,8
9	29.5	23,8	16.0	71	2.79	107,1	236.3	57	2.24	80,3	177.2	53,5	118.1	44,4	98.1	18,9
10	32.8	18,9	12.7	87	3.43	94,4	208.3	70	2.76	70,8	156.2	47,2	104.1	39,2	86.4	21,0
11	36.1	15,2	10.2	106	4.17	83,8	184.9	85	3.35	62,8	138.7	41,9	92.5	34,8	76.7	23,1
12	39.4	12,5	8.4	126	4.96	74,8	165.1	101	3.98	56,1	123.8	37,4	82.5	31,0	68.5	25,2

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

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate
No. 244/02
Test report No. 243/02
TÜV certification only valid for loading table above.

PROLYTE X30D - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS 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		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	1719,9	1157.3	1	0.04	1719,9	3795.9	1	0.04	860,0	1898.0	572,7	1263.9	430,0	949.0	3,8
2	6.6	858,1	577.4	4	0.15	913,9	2017.0	3	0.12	685,4	1512.8	457,0	1008.5	379,3	837.1	7,6
3	9.8	404,1	271.9	8	0.31	606,1	1337.7	6	0.24	454,6	1003.3	303,1	668.8	251,5	555.1	11,4
4	13.1	225,6	151.8	14	0.55	451,3	995.9	11	0.43	338,4	746.9	225,6	498.0	187,3	413.3	15,2
5	16.4	143,0	96.2	22	0.86	357,6	789.2	18	0.71	268,2	591.9	178,8	394.6	148,4	327.5	19,0
6	19.7	98,2	66.1	32	1.26	294,5	650.0	26	1.02	220,9	487.5	147,3	325.0	122,2	269.7	22,8
7	23.0	71,1	47.9	43	1.69	248,9	549.3	35	1.38	186,7	412.0	124,5	274.7	103,3	228.0	26,6
8	26.2	53,6	36.0	57	2.24	214,2	472.8	45	1.77	160,7	354.6	107,1	236.4	88,9	196.2	30,4
9	29.5	41,5	27.9	72	2.83	186,8	412.3	57	2.24	140,1	309.3	93,4	206.2	77,5	171.1	34,2
10	32.8	32,9	22.1	89	3.50	164,5	363.1	71	2.79	123,4	272.4	82,3	181.6	68,3	150.7	38,0
11	36.1	26,5	17.9	107	4.21	146,0	322.1	86	3.39	109,5	241.6	73,0	161.1	60,6	133.7	41,8
12	39.4	21,7	14.6	127	5.0	130,2	287.2	102	4.02	97,6	215.4	65,1	143.6	54,0	119.2	45,6
13	42.6	17,9	12.1	150	5.90	116,5	257.1	120	4.72	87,4	192.8	58,2	128.5	48,3	106.7	49,4
14	45.9	14,9	10.0	174	6.85	104,5	230.6	139	5.47	78,4	173.0	52,3	115.3	43,4	95.7	53,2
15	49.2	12,5	8.4	199	7.83	93,9	207.2	159	6.26	70,4	155.4	46,9	103.6	39,0	86.0	57,0
16	52.5	10,5	7.1	227	8.94	84,3	186.1	181	7.13	63,2	139.6	42,2	93.0	35,0	77.2	60,8

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

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 2238/04
Test report No. 2237/04
TÜV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS X30 SERIES

Types	Ladder (L), Triangle (D), Square (V)
Alloy	EN AW 6082 T6
Main tubes (chords)	51 x 2 mm
Braces	16 x 2 mm
Coupling system	CCS6 series

Type		X30D	X30V	
Allowable Normal Force in Main Chord	N	22,17	22,17	kN
Allowable Normal Force in Diagonals	N	7,04	7,04	kN
Surface area Complete Truss	A	9,24	12,32	cm^2
Moment of Inertia Y-axis	Iy	771,2	1526,3	cm^4
Moment of Inertia Z-axis	Iz	763,1	1526,3	cm^4
Allowable bending moment Y-axis	My	4,59	10,60	kNm
Allowable bending moment Z-axis	Mz	5,30	10,60	kNm
Allowable shear force Z-axis	Qz/Vz	8,62	9,95	kN
Allowable shear force Y-axis	Qy/Vy	4,98	9,95	kN
Selfweight	kg	3,8	5,1	kg/m

30 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,25	0.38	X30•-L025
0,50	1.64	X30•-L050
0,58	1.90	X30•-L058
0,75	2.46	X30•-L075
1,00	3.28	X30•-L100
1,50	4.57	X30•-L150
2,00	6.56	X30•-L200
2,50	8.20	X30•-L250
3,00	9.84	X30•-L300
3,50	11.48	X30•-L350
4,00	13.12	X30•-L400
4,50	14.76	X30•-L450
5,00	16.40	X30•-L500

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

PROLYTE X30V TRUSS

PROLYTE X30V - 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	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	1985,3	1335.8	1	0.04	1985,3	4381.6	1	0.04	992,7	2190.8	660,9	1458.7	496,3	1095.4	5,1
2	6.6	990,1	666.2	4	0.16	1980,2	4370.3	3	0.12	990,1	2185.2	658,4	1453.0	495,1	1092.6	10,2
3	9.8	658,4	443.0	9	0.35	1405,1	3101.1	7	0.28	987,6	2179.5	655,8	1447.4	493,8	1089.8	15,3
4	13.1	492,5	331.4	17	0.67	1049,4	2316.0	13	0.51	787,0	1737.0	524,7	1158.0	435,5	961.1	20,4
5	16.4	334,0	224.7	26	1.02	834,9	1842.7	21	0.83	626,2	1382.0	417,5	921.3	346,5	764.7	25,5
6	19.7	230,4	155.0	37	1.46	691,1	1525.2	30	1.18	518,3	1143.9	345,5	762.6	286,8	633.0	30,6
7	23.0	167,9	113.0	51	2.01	587,6	1296.9	41	1.61	440,7	972.7	293,8	648.4	243,9	538.2	35,7
8	26.2	127,3	85.7	66	2.59	509,4	1124.2	53	2.08	382,0	843.2	254,7	562.1	211,4	466.6	40,8
9	29.5	99,6	67.0	84	3.31	448,0	988.7	67	2.63	336,0	741.5	224,0	494.3	185,9	410.3	45,9
10	32.8	79,7	53.6	103	4.06	398,3	879.1	83	3.27	298,8	659.3	199,2	439.6	165,3	364.8	51,0
11	36.1	65,0	43.7	125	4.92	357,3	788.5	100	3.94	267,9	591.3	178,6	394.2	148,3	327.2	56,1
12	39.4	53,8	36.2	149	5.87	322,6	712.0	119	4.69	241,9	534.0	161,3	356.0	133,9	295.5	61,2
13	42.6	45,1	30.3	175	6.89	292,9	646.4	140	5.51	219,7	484.8	146,4	323.2	121,5	268.2	66,3
14	45.9	38,1	25.7	202	7.95	267,0	589.4	162	6.38	200,3	442.0	133,5	294.7	110,8	244.6	71,4
15	49.2	32,6	21.9	233	9.17	244,3	539.2	186	7.32	183,2	404.4	122,2	269.6	101,4	223.8	76,5
16	52.5	28,0	18.8	264	10.39	224,1	494.6	212	8.35	168,1	370.9	112,0	247.3	93,0	205.3	81,6

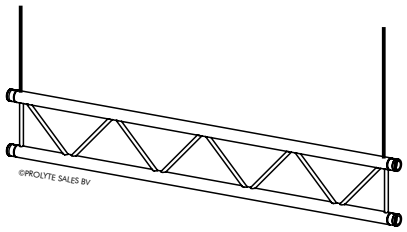
1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 2258/04
Test report No. 2257/04
TÜV certification only valid for loading table above.

PROLYTE X30L - ALLOWABLE LOADING (SPAN SUPPORTED ON TOP CHORD)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
1	3.3	992,2	667.6	0	0	992,2	2189.8	0	0
2	6.6	339,0	228.1	1	0.04	339,0	748.2	1	0.04
3	9.8	114,0	76.7	2	0.08	171,0	377.4	2	0.08
4	13.1	44,0	29.6	3	0.12	88,0	194.2	2	0.08
5	16.4	20,0	13.5	3	0.12	50,0	110.4	2	0.08
6	19.7	9,0	6.1	3	0.12	26,0	57.4	2	0.08

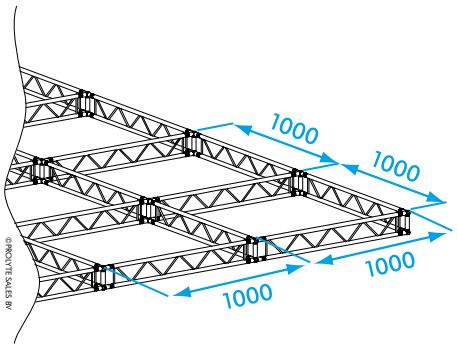


1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE X30L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EACH METRE)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	245,8	165.4	17	0.67	523,8	1156.0	13	0.51
5	16.4	166,5	112.1	26	1.02	416,3	918.9	21	0.83
6	19.7	114,7	77.2	37	1.46	344,2	759.6	30	1.18
7	23.0	83,5	56.2	51	2.01	292,2	645.0	41	1.61
8	26.2	63,2	42.5	66	2.60	252,9	558.1	53	2.09
9	29.5	49,3	33.2	84	3.31	222,0	489.9	67	2.64
10	32.8	39,0	25.6	100	3.94	196,9	434.6	83	3.27
11	36.1	27,8	18.7	110	4.33	176,2	388.8	100	3.94
12	39.4	20,7	13.9	120	4.72	158,6	350.0	119	4.69

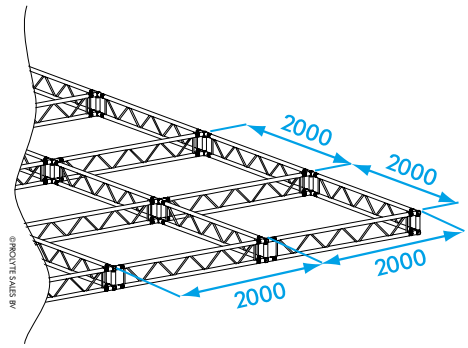


1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE X30L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EVERY 2 METRES)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	82,5	55.5	5	0.20	165,0	364.2	4	0.16
5	16.4	51,7	34.8	8	0.32	129,3	285.4	7	0.28
6	19.7	35,0	23.6	12	0.47	105,0	231.7	10	0.39
7	23.0	24,9	16.8	16	0.63	87,2	192.5	13	0.51
8	26.2	18,4	12.4	21	0.83	73,5	162.2	17	0.67
9	29.5	13,9	9.3	27	1.06	62,5	137.9	22	0.87
10	32.8	10,7	7.2	33	1.30	53,4	117.9	27	1.06
11	36.1	8,3	5.6	40	1.57	45,7	100.8	32	1.26
12	39.4	6,5	4.4	48	1.89	39,0	86.1	38	1.50



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

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H30D - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS 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		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	1718,7	1156.5	1	0.04	1718,7	3793.3	1	0.04	859,4	1896.6	572,1	1262.6	429,7	948.3	5,0
2	6.6	856,9	576.6	4	0.16	1259,2	2779.1	3	0.12	856,9	1891.1	569,6	1257.1	428,4	945.6	10,0
3	9.8	556,9	374.7	8	0.31	835,3	1843.5	6	0.24	626,5	1382.6	417,7	921.8	346,7	765.1	15,0
4	13.1	311,1	209.3	14	0.55	622,1	1373.0	11	0.43	466,6	1029.7	311,1	686.5	258,2	569.8	20,0
5	16.4	197,3	132.7	22	0.87	493,2	1088.5	18	0.71	369,9	816.3	246,6	544.2	204,7	451.7	25,0
6	19.7	135,5	91.2	32	1.26	406,4	896.9	26	1.02	304,8	672.7	203,2	448.5	168,7	372.2	30,0
7	23.0	98,2	66.1	44	1.73	343,7	758.5	35	1.38	257,8	568.9	171,9	379.3	142,6	314.8	35,0
8	26.2	74,0	49.8	57	2.24	296,1	653.4	46	1.81	222,0	490.0	148,0	326.7	122,9	271.2	40,0
9	29.5	57,4	38.6	72	2.83	258,4	570.4	58	2.28	193,8	427.8	129,2	285.2	107,3	236.7	45,0
10	32.8	45,6	30.7	89	3.50	227,8	502.8	71	2.79	170,9	377.1	113,9	251.4	94,6	208.7	50,0
11	36.1	36,8	24.8	108	4.25	202,4	446.6	86	3.39	151,8	334.9	101,2	223.3	84,0	185.3	55,0
12	39.4	30,1	20.3	128	5.04	180,7	398.8	103	4.06	135,5	299.1	90,4	199.4	75,0	165.5	60,0
13	42.6	24,9	16.8	150	5.91	162,0	357.5	120	4.72	121,5	268.1	81,0	178.8	67,2	148.4	65,0
14	45.9	20,8	14.0	174	6.85	145,6	321.3	140	5.51	109,2	241.0	72,8	160.7	60,4	133.4	70,0
15	49.2	17,5	11.8	200	7.87	131,1	289.3	160	6.30	98,3	216.9	65,5	144.6	54,4	120.0	75,0
16	52.5	14,8	9.9	228	8.98	118,0	260.5	182	7.17	88,5	195.4	59,0	130.2	49,0	108.1	80,0

1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 2233/04
Test report No. 2232/04
TÜV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS H30 SERIES

Types	Ladder (L), Triangle (D), Square (V)
Alloy	EN AW 6082 T6
Main tubes (chords)	48,3 x 3 mm
Braces	16 x 2 mm
Coupling system	CCS6 series

Type		H30D	H30V	
Allowable Normal Force in Main Chord	N	30,54	30,54	kN
Allowable Normal Force in Diagonals	N	7,04	7,04	kN
Surface area Complete Truss	A	12,72	16,96	cm^2
Moment of Inertia Y-axis	Iy	1057,3	2095,9	cm^4
Moment of Inertia Z-axis	Iz	1047,9	2095,9	cm^4
Allowable bending moment Y-axis	My	6,32	14,60	kNm
Allowable bending moment Z-axis	Mz	7,30	14,60	kNm
Allowable shear force Z-axis	Qz/Vz	8,62	9,95	kN
Allowable shear force Y-axis	Qy/Vy	4,98	9,95	kN
Selfweight	kg	5	6,3	kg/m

30 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,25	0.83	H30•-L025
0,29	0.95	H30•-L029
0,50	1.90	H30•-L050
0,71	2.32	H30•-L071
1,00	3.28	H30•-L100
1,50	4.57	H30•-L150
2,00	6.56	H30•-L200
2,50	8.20	H30•-L250
3,00	9.84	H30•-L300
3,50	11.48	H30•-L350
4,00	13.12	H30•-L400
4,50	14.76	H30•-L450
5,00	16.40	H30•-L500

*on • indicate L for ladder, D for triangle or V for Square truss. Example: H30V-L200

PROLYTE H30V TRUSS

PROLYTE H30V - 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	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	1984,1	1335.0	1	0.04	1984,1	4378.9	1	0.04	992,1	2189.5	660,3	1457.3	496,0	1094.7	6,3
2	6.6	988,9	665.4	4	0.16	1977,8	4365.0	3	0.12	988,9	2182.5	657,2	1450.4	494,5	1091.3	12,6
3	9.8	657,2	442.2	9	0.35	1936,7	4274.4	7	0.28	985,8	2175.6	654,0	1443.4	492,9	1087.8	18,9
4	13.1	491,3	330.6	17	0.67	1447,0	3193.6	13	0.51	982,6	2168.6	650,9	1436.5	491,3	1084.3	25,2
5	16.4	391,8	263.6	26	1.02	1152,0	2542.4	21	0.83	864,0	1906.8	576,0	1271.2	478,1	1055.1	31,5
6	19.7	318,1	214.0	37	1.46	954,2	2105.9	30	1.18	715,6	1579.4	477,1	1052.9	396,0	873.9	37,8
7	23.0	232,0	156.1	51	2.01	812,0	1792.1	41	1.61	609,0	1344.1	406,0	896.1	337,0	743.7	44,1
8	26.2	176,2	118.5	66	2.60	704,6	1555.1	53	2.09	528,5	1166.3	352,3	775.5	292,4	645.4	50,4
9	29.5	137,9	92.8	84	3.31	620,4	1369.2	67	2.64	465,3	1026.9	310,2	684.6	257,5	568.2	56,7
10	32.8	110,5	74.3	104	4.09	552,4	1219.0	83	3.27	414,3	914.3	276,2	609.5	229,2	505.9	63,0
11	36.1	90,2	60.7	125	4.92	496,1	1095.0	100	3.94	372,1	821.2	248,1	547.5	205,9	454.4	69,3
12	39.4	74,8	50.3	149	5.87	448,7	990.4	119	4.69	336,6	742.8	224,4	495.2	186,2	411.0	75,6
13	42.6	62,8	42.3	175	6.89	408,2	900.8	140	5.51	306,1	675.6	204,1	450.4	169,4	373.8	81,9
14	45.9	53,3	35.8	203	7.99	372,9	823.1	163	6.42	297,7	617.3	186,5	411.5	154,8	341.6	88,2
15	49.2	45,6	30.7	233	9.17	342,0	754.8	187	7.36	256,5	566.1	171,0	377.4	141,9	313.2	94,5
16	52.5	39,3	26.5	265	10.43	314,5	694.1	212	8.35	235,9	520.6	157,3	347.1	130,5	288.1	100,8

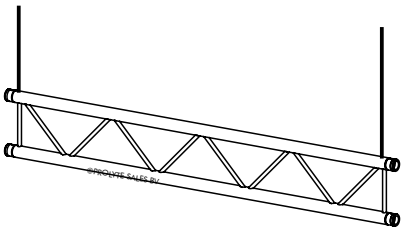
1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 2256/04
Test report No. 2255/04
TÜV certification only valid for loading table above.

PROLYTE H30L - ALLOWABLE LOADING (SPAN SUPPORTED ON TOP CHORD)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
1	3.3	992,2	667.6	0	0	992,2	2189.8	0	0
2	6.6	359,0	241.6	1	0.04	389,0	858.5	1	0.04
3	9.8	135,0	90.8	2	0.08	203,0	448.0	2	0.08
4	13.1	52,0	35.0	2	0.08	104,0	229.5	2	0.08
5	16.4	25,0	16.8	3	0.12	62,0	136.8	2	0.08
6	19.7	11,0	7,4	3	0.12	33,0	72.8	2	0.08

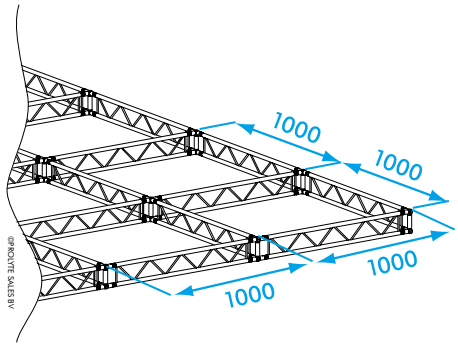


1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H30L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EACH METRE)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	245,8	165.4	17	0.67	724,0	1597.9	13	0.51
5	16.4	196,0	131.9	26	1.02	576,5	1272.3	21	0.83
6	19.6	159,2	107.1	37	1.46	477,7	1054.2	30	1.18
7	23.0	116,2	78.2	51	2.01	406,6	897.5	41	1.61
8	26.2	88,3	59.4	66	2.60	353,0	779.1	53	2.09
9	29.5	69,1	46.5	84	3.31	310,9	686.3	67	2.64
10	32.8	53,3	35.8	100	3.94	277,0	611.3	83	3.27
11	36.1	39,3	26.4	110	4.33	249,0	549.4	100	3.94
12	39.4	29,6	19.9	120	7.72	225,3	497.3	119	4.69

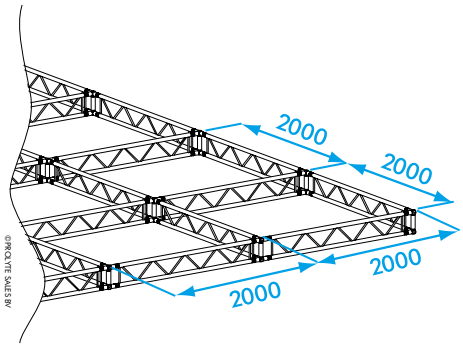


1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H30L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EVERY 2 METRES)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	95,0	63.9	4	0.16	190,0	419.3	4	0.16
5	16.4	59,7	40.2	7	0.28	149,3	329.5	6	0.24
6	19.7	40,6	27.3	10	0.39	121,7	268.5	8	0.31
7	23.0	29,0	19.5	14	0.55	101,5	224.0	11	0.43
8	26.2	21,5	14.5	18	0.71	86,0	189.8	14	0.55
9	29.5	16,4	11.0	23	0.91	73,6	162.5	18	0.71
10	32.8	12,7	8.5	28	1.10	63,4	139.9	22	0.87
11	36.1	10,0	6.7	34	1.34	54,8	120.9	27	1.06
12	39.4	7,9	5.3	40	1.57	47,3	104.5	32	1.26



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

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H40D - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS 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		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
2	6.6	1103,1	742.34	3	0.12	1790,5	3951.7	2	0.08	1103,1	2434.6	733,7	1619.4	551,6	1217.3	10,0
3	9.8	733,7	493.7	6	0.24	1189,5	2625.3	5	0.20	892,1	1969.0	594,8	1312.6	493,7	1089.5	15,0
4	13.1	443,9	298.7	10	0.39	887,8	1959.3	8	0.31	665,8	1469.5	443,9	979.7	368,4	813.1	20,0
5	16.4	282,3	189.9	16	0.63	705,7	1557.5	13	0.51	529,3	1168.1	352,9	778.8	292,9	646.4	25,0
6	19.7	194,5	130.9	23	0.91	583,5	1287.8	18	0.71	437,6	965.9	291,8	643.9	242,2	534.4	30,0
7	23.0	141,6	95.3	31	1.22	495,5	1093.6	25	0.98	371,6	820.2	247,8	546.8	205,6	453.8	35,0
8	26.2	107,2	72.1	41	1.61	428,9	946.5	33	1.30	321,7	709.9	214,4	473.3	178,0	392.8	40,0
9	29.5	83,7	56.3	51	2.01	376,5	831.0	41	1.61	282,4	623.2	188,3	415.5	156,3	344.8	45,0
10	32.8	66,8	45.0	63	2.48	334,1	737.4	51	2.01	250,6	553.0	167,1	368.7	138,7	306.0	50,0
11	36.1	54,4	36.6	77	3.03	299,0	659.8	61	2.40	224,2	494.9	149,5	329.9	124,1	273.8	55,0
12	39.4	44,9	30.2	91	3.58	269,3	594.2	73	2.87	201,9	445.7	134,6	297.1	111,7	246.6	60,0
13	42.6	37,5	25.2	107	4.21	243,7	537.9	86	3.39	182,8	403.4	121,9	269.0	101,2	223.2	65,0
14	45.9	31,6	21.3	124	4.88	221,5	488.9	100	3.94	166,1	366.6	110,8	244.4	91,9	202.9	70,0
15	49.2	26,9	18.1	143	5.63	201,9	445.6	114	4.49	151,4	334.2	101,0	222.8	83,8	184.9	75,0
16	52.5	23,1	15.5	162	6.38	184,4	407.1	130	5.12	138,3	305.3	92,2	203.5	76,5	168.9	80,0
17	55.8	19,9	13.4	183	7.20	168,7	372.4	147	5.79	126,6	279.3	84,4	186.2	70,0	154.5	85,0
18	59.0	17,2	11.6	206	8.11	154,5	341.0	165	6.49	115,9	255.7	77,3	170.5	64,1	141.5	90,0
19	62.3	14,9	10.0	229	9.02	141,5	312.3	183	7.20	106,1	234.2	70,8	156.1	58,7	129.6	95,0
20	65.6	13,0	8.7	254	10	129,6	285.9	203	7.99	97,2	214.4	64,8	143.0	53,8	118.7	100,0

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

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 2253/04
Test report No. 2252/04
TÜV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS H40 SERIES

Types	Ladder (L), Triangle (D), Square (V)
Alloy	EN AW 6082 T6
Main tubes (chords)	48,3 x 3 mm
Braces	20 x 2 mm
Coupling system	CCS6 series

Type		H40D	H40V	
Allowable Normal Force in Main Chord	N	30,54	30,54	kN
Allowable Normal Force in Diagonals	N	9,05	9,05	kN
Surface area Complete Truss	A	12,72	16,96	cm^2
Moment of Inertia Y-axis	Iy	2104,8	4179,5	cm^4
Moment of Inertia Z-axis	Iz	2089,8	4179,5	cm^4
Allowable bending moment Y-axis	My	8,98	20,70	kNm
Allowable bending moment Z-axis	Mz	10,35	20,70	kNm
Allowable shear force Z-axis	Qz/Vz	11,08	12,80	kN
Allowable shear force Y-axis	Qy/Vy	6,40	12,80	kN
Selfweight	kg	5	6,9	kg/m

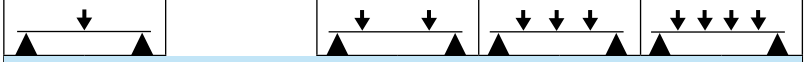
40 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,25	0.83	H40•-L025
0,30	0.98	H40•-L030
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	4.57	H40•-L150
2,00	6.56	H40•-L200
2,50	8.20	H40•-L250
3,00	9.84	H40•-L300
3,50	11.48	H40•-L350
4,00	13.12	H40•-L400
4,50	14.76	H40•-L450
5,00	16.40	H40•-L500

*on • indicate L for ladder. D for triangle or V for Square truss. Example: H40V-L200

PROLYTE H40V TRUSS

PROLYTE H40V - ALLOWABLE LOADING



MAXIMUM ALLOWABLE POINT LOADS

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		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		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
2	6.6	1272,7	856.3	3	0.12	2545,3	5617.5	2	0.08	1272,7	2808.7	846,1	1867.4	636,3	1404.4	13,8
3	9.8	846,1	569.3	7	0.28	2538,4	5602.3	5	0.20	1269,2	2801.1	842,7	1859.8	634,6	1400.6	20,7
4	13.1	632,9	425.8	12	0.47	2056,6	4538.8	9	0.35	1265,8	2793.5	839,2	1852.2	632,9	1396.8	27,6
5	16.4	504,9	339.7	18	0.71	1639,0	3617.4	15	0.59	1229,3	2713.0	819,5	1808.7	631,2	1392.9	34,5
6	19.7	419,6	282.3	27	1.06	1359,5	3000.5	21	0.83	1019,7	2250.4	679,8	1500.3	564,2	1245.2	41,4
7	23.0	331,1	222.8	36	1.42	1158,9	2557.7	29	1.14	869,2	1918.3	579,5	1278.9	480,9	1061.5	48,3
8	26.2	251,9	169.5	47	1.85	1007,6	2223.7	38	1.50	755,7	1667.8	503,8	1111.9	418,1	922.8	55,2
9	29.5	197,6	132.9	60	2.36	889,1	1962.3	48	1.89	666,8	1471.7	444,6	981.1	369,0	814.3	62,1
10	32.8	158,7	106.8	74	2.91	793,6	1751.6	59	2.32	595,2	1313.7	396,8	875.8	329,4	726.9	69,0
11	36.1	130,0	87.5	89	3.50	714,9	1577.8	71	2.80	536,2	1183.4	357,5	788.9	296,7	654.8	75,9
12	39.4	108,1	72.8	106	4.17	648,7	1431.7	85	3.35	486,5	1073.8	324,4	715.9	269,2	594.2	82,8
13	42.6	91,1	61.3	125	4.92	592,2	1306.9	100	3.94	444,1	980.2	296,1	653.5	245,8	542.4	89,7
14	45.9	77,6	52.2	144	5.67	543,2	1198.9	116	4.57	407,4	899.2	271,6	599.5	225,4	497.5	96,6
15	49.2	66,7	44.9	166	6.54	500,3	1104.3	133	5.24	375,3	828.2	250,2	552.1	207,6	458.3	103,5
16	52.5	57,8	38.9	189	7.74	462,4	1020.5	151	5.94	346,8	765.4	231,2	510.2	191,9	423.5	110,4
17	55.8	50,4	33.9	213	8.39	428,5	945.7	171	6.73	321,4	709.3	214,2	472.8	177,8	392.5	117,3
18	59.0	44,2	29.8	239	9.41	398,0	878.3	191	7.52	298,5	658.8	199,0	439.2	165,2	364.5	124,2
19	62.3	39,0	26.2	266	10.47	370,3	817.3	213	8.39	277,7	613.0	185,2	408.6	153,7	339.2	131,1
20	65.6	34,5	23.2	295	11.61	345,1	761.6	236	9.29	258,8	571.2	172,5	380.8	143,2	316.1	138,0

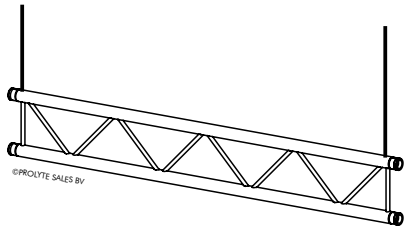
1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 2246/04
Test report No. 2245/04
TÜV certification only valid for loading table above.

PROLYTE H40L - ALLOWABLE LOADING (SPAN SUPPORTED ON TOP CHORD)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
1	3.3	1276,6	859.0	0	0	1276,6	2817.5	0	0
2	6.6	541,0	364.0	1	0.04	541,0	1194.0	1	0.04
3	9.8	182,0	122.5	1	0.04	273,0	602.5	1	0.04
4	13.1	68,0	45.8	2	0.08	136,0	300.2	1	0.04
5	16.4	32,0	21.5	2	0.08	80,0	176.6	1	0.04
6	19.7	17,0	11.4	2	0.08	51,0	112.6	2	0.08

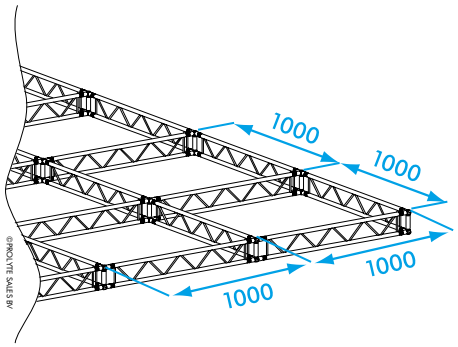


1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H40L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EACH METRE)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	316,9	213.2	12	0.47	1014,0	2237.9	9	0.35
5	16.4	252,9	170.2	18	0.71	808,5	1784.4	15	0.59
6	19.6	210,3	141.5	26	1.02	671,0	1480.9	21	0.83
7	23.0	163,5	110.0	36	1.42	572,4	1263.2	28	1.10
8	26.2	124,5	83.8	46	1.81	498,0	1099.1	37	1.46
9	29.5	97,7	65.8	59	2.32	439,8	970.7	47	1.85
10	32.8	78,6	52.9	73	2.87	393,0	867.4	58	2.28
11	36.1	64,4	43.4	88	3.46	354,4	782.2	70	2.76
12	39.4	53,7	36.1	105	4.13	322,0	710.7	84	3.31

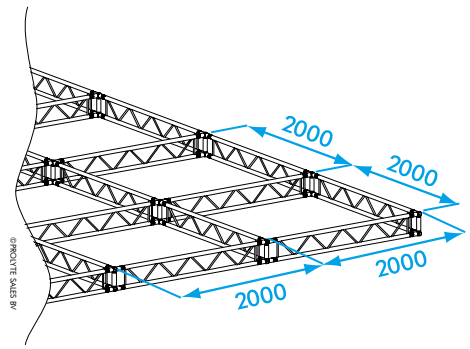


1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H40L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EVERY 2 METRES)

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	133,0	89.5	3	0.12	266,0	587.1	2	0.08
5	16.4	84,0	56.5	5	0.20	210,1	463.7	4	0.16
6	19.7	57,4	38.7	7	0.28	172,3	380.3	6	0.24
7	23.0	41,4	27.9	9	0.35	144,9	319.9	8	0.31
8	26.2	31,0	20.9	12	0.35	124,0	273.7	10	0.39
9	29.5	23,9	16.1	16	0.63	107,4	237.0	13	0.51
10	32.8	18,8	12.6	19	0.75	93,8	207.0	16	0.63
11	36.1	15,0	10.1	23	0.91	82,4	181.9	19	0.75
12	39.4	12,1	8.1	28	1.10	72,7	160.4	22	0.87



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

Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE S36R - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS 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		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
2	6.6	2335,3	1571.4	3	0.11	4670,7	10308.2	3	0.11	2335,3	5154.1	1553,4	3428.3	1167,7	2577.1	21,0
3	9.8	1553,4	1045.2	7	0.27	3302,7	7289.1	6	0.23	2330,1	5142.5	1548,1	3416.8	1165,0	2571.3	31,5
4	13.1	1162,4	782.2	13	0.15	2467,9	5446.6	11	0.43	1850,9	4084.9	1233,9	2723.3	1024,2	2260.3	42,0
5	16.4	785,9	528.8	21	0.82	1964,8	4336.4	17	0.66	1473,6	3252.3	982,4	2168.2	815,4	1799.6	52,5
6	19.7	542,6	365.1	30	1.18	1627,7	3592.4	24	0.94	1220,8	2694.3	813,9	1796.2	675,5	1490.9	63,0
7	23.0	395,8	266.4	41	1.61	1385,5	3057.7	33	1.29	1039,1	2293.3	692,7	1528.9	575,0	1268.9	73,5
8	26.2	300,6	202.3	53	2.08	1202,4	2653.8	43	1.69	901,8	1990.3	601,2	1326.9	499,0	1101.3	84,0
9	29.5	235,3	158.3	67	2.63	1058,9	2337.0	54	2.12	794,2	1752.8	529,5	1168.5	439,4	969.9	94,5
10	32.8	188,6	126.9	83	3.26	943,0	2081.3	67	2.63	707,3	1561.0	471,5	1040.7	391,4	863.7	105,0
11	36.1	154,1	103.7	101	3.97	847,3	1870.0	81	3.18	635,5	1402.5	423,6	935.0	351,6	776.0	115,5
12	39.4	127,8	86.0	120	4.72	766,6	1691.9	96	3.77	575,0	1269.0	383,3	846.0	318,1	702.2	126,0
13	42.6	107,3	72.2	141	5.55	697,6	1539.5	113	4.44	523,2	1154.6	348,8	769.8	289,5	638.9	136,5
14	45.9	91,1	61.3	163	6.41	637,6	1407.2	131	5.15	478,2	1055.4	318,8	703.6	264,6	584.0	147,0
15	49.2	78,0	52.5	187	7.36	584,9	1291.0	150	5.90	438,7	968.2	292,5	645.5	242,8	535.8	157,5
16	52.5	67,3	45.3	213	8.38	538,2	1187.8	171	6.73	403,7	890.9	269,1	593.9	223,4	493.0	168,0
17	55.8	58,4	39.3	241	9.48	496,4	1095.5	193	7.59	372,3	821.6	248,2	547.7	206,0	454.6	178,5
18	59.0	51,0	34.3	270	10.63	458,6	1012.1	216	8.50	343,9	759.1	229,3	506.0	190,3	420.0	189,0
19	62.3	44,7	30.0	301	11.85	424,2	936.3	241	9.48	318,2	702.2	212,1	468.1	176,1	388.5	199,5
20	65.6	39,3	26.4	333	13.11	392,8	866.9	267	10.51	294,6	650.1	196,4	433.4	163,0	359.7	210,0

1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 2957/05
Test report No. 2956/05
TÜV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS S36 SERIES

Types	Rectangle (R), Square (V)
Alloy	EN AW 6082 T6
Main tubes (chords)	50 x 4 mm
Braces	25 x 3 mm
Coupling system	CCS7 series

Type		S36R	S36V	
Allowable Normal Force in Main Chord	N	41,62	41,62	kN
Allowable Normal Force in Diagonals	N	16,59	16,59	kN
Surface area Complete Truss	A	23,12	23,12	cm^2
Moment of Inertia Y-axis	Iy	4445,1	4445,1	cm^4
Moment of Inertia Z-axis	Iz	1250,0	4445,1	cm^4
Allowable bending moment Y-axis	My	24,89	24,89	kNm
Allowable bending moment Z-axis	Mz	———	24,89	kNm
Allowable shear force Z-axis	Qz/Vz	23,46	23,46	kN
Allowable shear force Y-axis	Qy/Vy	———	23,46	kN
Selfweight	kg	10,5	12	kg/m

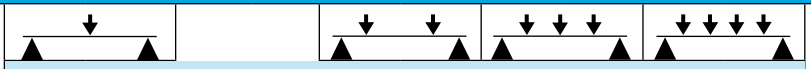
S36 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,50	1.64	S36•-L050
0,60	1.97	S36•-L060
0,80	2.62	S36•-L080
1,00	3.28	S36•-L100
1,20	3.94	S36•-L120
1,50	4.92	S36•-L150
1,60	5.25	S36•-L160
2,00	6.56	S36•-L200
2,40	7.87	S36•-L240
2,50	8.20	S36•-L250
3,00	9.84	S36•-L300
3,20	10.50	S36•-L320
3,50	11.48	S36•-L350
4,00	13.12	S36•-L400

*on • indicate R for rectangle. V for Square truss.
Example: S36V-L200

PROLYTE S36V TRUSS

PROLYTE S36V - 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	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
2	6.6	2333.8	1570.4	3	0.11	4667.7	10301.6	3	0.11	2333.8	5150.8	1551.9	3425.0	1166,9	2575.4	24,0
3	9.8	1551,9	1044.2	7	0.27	3300,5	7284.2	6	0.23	2327,8	5137.5	1545,9	3411.8	1163,9	2568.8	36,0
4	13.1	1160,9	781.1	13	0.51	2464,9	5440.0	11	0.43	1848,6	4080.0	1232,4	2720.0	1022,9	2257.6	48,0
5	16.4	784,4	527.8	21	0.82	1961,1	4328.1	17	0.66	1470,8	3246.1	980,5	2164.1	813,9	1796.2	60,0
6	19.7	541,1	364.1	30	1.18	1623,2	3582.5	24	0.94	1217,4	2686.9	811,6	1791.2	673,6	1486.7	72,0
7	23.0	394,3	265.3	41	1.61	1380,2	3046.1	33	1.29	1035,2	2284.6	690,1	1523.1	572,8	1264.1	84,0
8	26.2	299,1	201.3	53	2.08	1196,4	2640.5	43	1.69	897,3	1980.4	598,2	1320.3	496,5	1095.8	96,0
9	29.5	233,8	157.3	67	2.63	1052,2	2322.1	54	2.12	789,1	1741.6	526,1	1161.1	436,6	963.7	108,0
10	32.8	187,1	125.9	83	3.26	935,5	2064.8	67	2.63	701,7	1548.6	467,8	1032.4	388,3	856.9	120,0
11	36.1	152,6	102.6	101	3.97	839,0	1851.8	81	3.18	629,3	1388.8	419,5	925.9	348,2	768.5	132,0
12	39.4	126,3	85.0	120	4.72	757,6	1672.1	96	3.77	568,2	1254.1	378,8	836.0	314,4	693.9	144,0
13	42.6	105,8	71.2	141	5.55	687,8	1518.0	113	4.44	515,9	1138.5	343,9	759.0	285,4	630.0	156,0
14	45.9	89,6	60.3	163	6.41	627,1	1384.0	131	5.15	470,3	1038.0	313,6	692.0	260,2	574.4	168,0
15	49.2	76,5	51.5	187	7.36	573,7	1266.2	150	5.90	430,3	949.6	286,8	633.1	238,1	525.5	180,0
16	52.5	65,8	44.3	213	8.38	526,2	1161.4	171	6.73	394,7	871.0	263,1	580.7	218,4	482.0	192,0
17	55.8	56,9	38.3	241	9.48	483,6	1067.3	193	7.59	362,7	800.5	241,8	533.7	200,7	442.9	204,0
18	59.0	49,5	33.3	270	10.63	445,1	982.3	216	8.50	333,8	736.7	222,5	491.1	184,7	407.7	216,0
19	62.3	43,2	29.0	301	11.85	410,0	904.8	214	8.42	307,5	678.6	205,0	452.4	170,1	375.5	228,0
20	65.6	37,8	25.4	333	13.11	377,8	833.7	267	10.51	283,3	625.3	188,9	416.9	156,8	346.0	240,0

1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

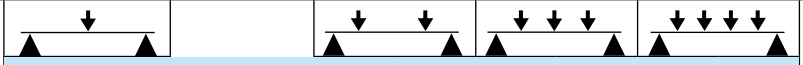
- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

BAUART RWTÜV GEPRÜFT

Mark approval certificate No. 2959/05
Test report No. 2958/05
TÜV certification only valid for loading table above.

PROLYTE S52F TRUSS

PROLYTE S52F - ALLOWABLE LOADING



MAXIMUM ALLOWABLE POINT LOADS

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		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		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
3	9.8	957,4	644.2	3	0.11	2393,5	5282.5	2	0.07	1196,7	2641.2	794,8	1754.2	598,4	1320.6	36,0
4	13.1	716,2	481.9	5	0.19	1944,1	4290.7	3	0.11	1193,7	2634.6	791,8	1747.6	596,9	1317.3	48,0
5	16.4	666,8	448.7	9	0.35	1549,9	3420.6	5	0.19	1162,4	2565.5	775,0	1710.3	595,4	1314.0	60,0
6	19.7	633,5	426.2	15	0.59	1414,7	3122.2	8	0.31	1061,0	2341.7	707,3	1561.1	587,1	1295.7	72,0
7	23.0	501,4	337.4	21	0.82	1206,5	2662.7	12	0.47	904,9	1997.0	603,2	1331.3	500,7	1105.0	84,0
8	26.2	429,3	288.9	31	1.22	1144,9	2526.7	16	0.62	858,7	1895.1	572,4	1263.4	475,1	1048.6	96,0
9	29.5	374,4	251.9	43	1.69	1095,1	2416.9	22	0.86	821,3	1812.7	547,6	1208.5	454,5	1003.0	108,0
10	32.8	301,0	202.5	53	2.08	978,2	2158.9	28	1.10	733,6	1619.1	489,1	1079.4	405,9	895.9	120,0
11	36.1	246,7	166.0	65	2.55	949,6	2095.9	36	1.41	712,2	1571.9	474,8	1047.9	394,1	869.8	132,0
12	39.4	205,3	138.2	77	3.03	924,1	2039.4	46	1.81	693,0	1529.6	462,0	1019.7	383,5	846.4	144,0
13	42.6	173,2	116.5	90	3.54	900,6	1987.7	58	2.28	675,5	1490.7	450,3	993.8	373,8	824.9	156,0
14	45.9	147,7	99.4	105	4.13	827,0	1825.3	67	2.63	620,3	1368.9	413,5	912.6	343,2	757.5	168,0
15	49.2	127,1	85.5	120	4.72	810,3	1788.3	82	3.22	607,7	1341.2	405,1	894.1	336,3	742.1	180,0
16	52.5	110,3	74.2	137	5.39	749,8	1654.7	93	3.66	562,3	1241.0	374,9	827.4	311,1	686.7	192,0
17	55.8	96,3	64.8	154	6.06	736,7	1625.9	111	4.37	552,5	1219.4	368,3	812.9	305,7	674.7	204,0
18	59.0	84,6	56.9	173	6.81	685,3	1512.4	125	4.92	513,9	1134.3	342,6	756.2	284,4	627.6	216,0
19	62.3	74,7	50.3	193	7.59	638,7	1409.5	139	5.47	479,0	1057.2	319,3	704.8	265,0	585.0	228,0
20	65.6	66,2	44.6	214	8.42	629,3	1388.9	162	6.37	472,0	1041.7	314,7	694.5	261,2	576.4	240,0
21	68.9	59,0	39.7	235	9.25	619,2	1366.6	188	7.40	464,4	1024.9	309,6	683.3	257,0	567.1	252,0
22	72.2	52,7	35.4	258	10.15	579,3	1278.6	207	8.14	434,5	958.9	289,7	639.3	240,4	530.6	264,0
23	75.4	47,2	31.7	282	11.10	542,4	1197.1	226	8.89	406,8	897.8	271,2	598.5	225,1	496.8	276,0
24	78.7	42,3	28.5	307	12.08	508,0	1121.3	246	9.68	381,0	840.9	254,0	560.6	210,8	465.3	288,0

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

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

BAUART GEPRÜFT RWTÜV

Mark approval certificate No. 860/96
Test report No. 859/96
TÜV certification only valid for loading table above.

PROLYTE S52SV AND S52V - 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	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
2	6.6	2864,0	1927.1	2	0.07	5728,0	12641.6	2	0.07	2864,0	6320.8	1904,3	4202.8	1432,0	3160.4	30,0
3	9.8	1904,3	1281.4	5	0.19	5193,9	11462.8	4	0.15	2856,5	6304.3	1896,8	4186.3	1428,2	3152.1	45,0
4	13.1	1424,5	958.5	9	0.35	3882,3	8568.2	7	0.27	2849,0	6287.7	1889,3	4169.7	1424,5	3143.9	60,0
5	16.4	1136,6	764.8	13	0.51	3092,3	6824.7	11	0.43	2319,2	5118.5	1546,2	3412.4	1283,3	2832.3	75,0
6	19.7	854,4	574.9	19	0.74	2563,2	5656.9	15	0.59	1922,4	4242.7	1281,6	2828.5	1063,7	2347.6	90,0
7	23.0	623,7	419.7	26	1.02	2183,1	4818.1	21	0.82	1637,3	3613.5	1091,5	2409.0	906,0	1999.5	105,0
8	26.2	474,0	319.0	34	1.33	1896,1	4184.8	27	1.06	1422,1	3138.6	948,1	2092.4	786,9	1736.7	120,0
9	29.5	371,4	249.9	43	1.69	1671,3	3688.5	35	1.37	1253,5	2766.4	835,6	1844.3	693,6	1530.7	135,0
10	32.8	298,0	200.5	53	2.08	1489,9	3288.2	43	1.69	1117,4	2466.2	745,0	1644.1	618,3	1364.6	150,0
11	36.1	243,7	164.0	65	2.55	1340,1	2957.7	52	2.04	1005,1	2218.3	670,1	1478.8	556,2	1227.4	165,0
12	39.4	202,3	136.2	77	3.03	1214,1	2679.5	62	2.44	910,6	2009.6	607,0	1339.7	503,8	1112.0	180,0
13	42.6	170,2	114.5	90	3.54	1106,3	2441.5	72	2.83	829,7	1831.2	553,1	1220.8	459,1	1013.2	195,0
14	45.9	144,7	97.4	105	4.13	1012,8	2235.2	84	3.30	759,6	1676.4	506,4	1117.6	420,3	927.6	210,0
15	49.2	124,1	83.5	120	4.72	930,8	2054.2	96	3.77	698,1	1540.7	465,4	1027.1	386,3	852.5	225,0
16	52.5	107,3	72.2	137	5.39	858,1	1893.8	109	4.29	643,5	1420.3	429,0	946.9	356,1	785.9	240,0
17	55.8	93,3	62.8	154	6.06	793,0	1750.2	123	4.84	594,8	1312.7	396,5	875.1	329,1	726.3	255,0
18	59.0	81,6	54.9	173	6.81	734,4	1620.8	138	5.43	550,8	1215.6	367,2	810.4	304,8	672.6	270,0
19	62.3	71,7	48.2	193	7.59	681,1	1503.3	154	6.06	510,9	1127.4	340,6	751.6	282,7	623.9	285,0
20	65.6	63,2	42.6	214	8.42	632,5	1395.8	171	6.73	474,3	1046.9	316,2	697.9	262,5	579.3	300,0
21	68.9	56,0	37.7	235	9.25	587,7	1297.0	188	7.40	440,8	972.8	293,8	648.5	243,9	538.3	315,0
22	72.2	49,7	33.4	258	10.15	546,3	1205.7	207	8.14	409,7	904.3	273,2	602.9	226,7	500.4	330,0
23	75.4	44,2	29.7	282	11.10	507,9	1120.9	226	8.89	380,9	840.7	253,9	560.5	210,8	465.2	345,0
24	78.7	39,3	26.5	307	12.08	472,0	1041.8	246	9.68	354,0	781.4	236,0	520.9	195,9	432.3	360,0

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

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

S52SV
Mark approval certificate No. 2993/05
Test report No. 2992/05
TÜV certification only valid for loading table above.

S52V
Mark approval certificate No. 2991/05
Test report No. 2990/05
TÜV certification only valid for loading table above.

PROLYTE S52F / S52V / S52SV TRUSS

TECHNICAL SPECIFICATIONS S52 SERIES

Types	Folding (F), Square (V)
Alloy	EN AW 6082 T6
Main tubes (chords)	50 x 4 mm
Braces	S52F - 25 x 3 mm S52V/SV - 30 x 3 mm
Coupling system	CCS7 series

Type		S52F	S52V	S52SV	
Allowable Normal Force in Main Chord	N	41,62	41,62	41,62	kN
Allowable Normal Force in Diagonals	N	16,59	20,36	20,36	kN
Surface area Complete Truss	A	23,12	23,12	23,12	cm^2
Moment of Inertia Y-axis	Iy	10906,2	10906,2	10906,2	cm^4
Moment of Inertia Z-axis	Iz	———	———	10906,2	cm^4
Allowable bending moment Y-axis	My	39,12	39,12	39,12	kNm
Allowable bending moment Z-axis	Mz	———	———	39,12	kNm
Allowable shear force Z-axis	Qz/Vz	18,0	28,79	28,79	kN
Allowable shear force Y-axis	Qy/Vy	———	———	28,79	kN
Selfweight	kg	12	15	15	kg/m

S52V / SV / S52F SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,50	1.64	S52V/•-L050
0,60	1.97	S52V/•-L060 S52F-L050
0,80	2.62	S52V/•-L080 S52F-L060
1,00	3.28	S52V/•-L100
1,20	3.94	S52V/•-L120 S52F-L120
1,50	4.57	S52V/•-L150
1,60	5.25	S52V/•-L160 S52F-L160
2,00	6.56	S52V/•-L200
2,40	7.87	S52V/•-L240 S52F-L240
2,50	8.20	S52V/•-L250
3,00	9.84	S52V/•-L300
3,20	10.50	S52V/•-L320
4,00	13.12	S52V/•-L400

*on • indicate F for Folding, V for Square and SV for Square truss with 4-sited webbing. Example: S52V-L200

PROLYTE S66R AND S66V - 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	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
2	6.6	3106,6	2090.3	2	0.07	6213,2	13712.6	1	0.03	3106,6	6856.3	2065,4	4558.4	1553,3	3428.1	34,0
3	9.8	2065,4	1389.7	4	0.15	6196,2	13675.1	3	0.11	3098,1	6837.5	2056,9	4539.6	1549,1	3418.8	51,0
4	13.1	1544,8	1039.4	7	0.27	5043,6	11131.3	5	0.19	3089,6	6818.8	2048,4	4520.8	1544,8	3409.4	68,0
5	16.4	1232,4	829.3	10	0.39	4019,6	8871.2	8	0.31	3014,7	6653.4	2009,8	4435.6	1540,6	3400.0	85,0
6	19.7	1024,2	689.2	15	0.59	3334,1	7358.3	12	0.47	2500,6	5518.7	1667,0	3679.2	1383,6	3053.7	102,0
7	23.0	812,0	546.4	20	0.78	2842,0	6272.3	16	0.63	2131,5	4704.2	1421,0	3136.1	1179,4	2603.0	119,0
8	26.2	617,7	415.6	26	1.02	2470,8	5453.1	21	0.82	1853,1	4089.8	1235,4	2726.5	1025,4	2263.0	136,0
9	29.5	484,5	326.0	33	1.29	2180,2	4811.7	27	1.06	1635,2	3608.8	1090,1	2405.9	904,8	1996.9	153,0
10	32.8	389,2	261.9	41	1.61	1946,0	4294.9	33	1.29	1459,5	3221.2	973,0	2147.5	807,6	1782.4	170,0
11	36.1	318,7	214.4	50	1.96	1752,9	3868.7	40	1.57	1314,7	2901.5	876,5	1934.3	727,5	1605.5	187,0
12	39.4	265,1	178.4	59	2.23	1590,5	3510.3	47	1.85	1192,9	2632.7	795,3	1755.2	660,1	1456.8	204,0
13	42.6	223,4	150.3	70	2.75	1451,8	3204.2	56	2.20	1088,9	2403.2	725,9	1602.1	602,5	1329.8	221,0
14	45.9	190,2	128.0	81	3.18	1331,7	2939.2	65	2.55	998,8	2204.4	665,9	1469.6	552,7	1219.8	238,0
15	49.2	163,5	110.0	93	3.66	1226,5	2707.0	74	2.91	919,9	2030.2	613,3	1353.5	509,0	1123.4	255,0
16	52.5	141,7	95.3	105	4.13	1133,4	2501.4	84	3.30	580,1	1876.1	566,7	1250.7	470,4	1038.1	272,0
17	55.8	123,6	83.1	119	4.68	1050,2	2317.9	95	3.74	787,7	1738.4	525,1	1158.9	435,8	961.9	289,0
18	59.0	108,4	72.9	134	5.27	975,4	2152.6	107	4.21	731,5	1614.5	487,7	1076.3	404,8	893.3	306,0
19	62.3	95,5	64.3	149	5.86	907,5	2002.8	119	4.68	680,6	1502.1	453,7	1001.4	376,6	831.2	323,0
20	65.6	84,6	56.9	165	6.49	845,5	1866.1	132	5.19	634,1	1399.6	422,8	933.0	350,9	774.4	340,0
21	68.9	75,1	50.5	182	7.16	788,7	1740.6	145	5.70	591,5	1305.4	394,3	870.3	327,3	722.3	357,0
22	72.2	66,9	45.0	199	7.83	736,2	1624.8	160	6.29	552,2	1218.6	368,1	812.4	305,5	674.3	374,0
23	75.4	59,8	40.2	218	8.58	687,6	1517.5	174	6.85	515,7	1138.1	343,8	758.7	285,3	629.7	391,0
24	78.7	53,5	36.0	237	9.33	642,3	1417.5	190	7.48	481,7	1063.1	321,1	708.7	266,5	588.3	408,0

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

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

S66R
Mark approval certificate No. 3075/05
Test report No. 3074/05
TÜV certification only valid for loading table above.

S66V
Mark approval certificate No. 3073/05
Test report No. 3072/05
TÜV certification only valid for loading table above.

PROLYTE S66R / S66V TRUSS

TECHNICAL SPECIFICATIONS S66 SERIES

Types	Rectangle (R), Square (V)
Alloy	EN AW 6082 T6
Main tubes (chords)	50 x 4 mm
Braces	30 x 3 mm
Coupling system	CCS7 series

Type		S66V	S66R	
Allowable Normal Force in Main Chord	N	41,62	41,62	kN
Allowable Normal Force in Diagonals	N	20,36	20,36	kN
Surface area Complete Truss	A	23,12	23,12	cm^2
Moment of Inertia Y-axis	Iy	18335,3	18335,3	cm^4
Moment of Inertia Z-axis	Iz	3400,0	3550,0	cm^4
Allowable bending moment Y-axis	My	50,78	50,78	kNm
Allowable bending moment Z-axis	Mz	———	———	kNm
Allowable shear force Z-axis	Qz/Vz	31,24	31,24	kN
Allowable shear force Y-axis	Qy/Vy	———	———	kN
Selfweight	kg	17	17	kg/m

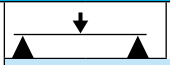
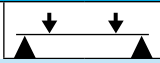
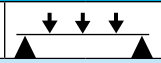
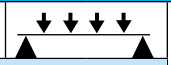
S66 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*	
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"		
1,00	3.28	S66•-L100	
1,50	4.92	S66•-L150	
1,74*	5.71	S66•-L174	S66•PR-L174
2,00	6.56	S66•-L200	
2,50*	8.20	S66•-L250	S66•PR-L250
3,00	9.84	S66•-L300	
3,26*	10.69	S66•-L326	S66•PR-L326
3,50	11.48	S66•-L350	
4,00	13.12	S66•-L400	

*on • indicate R for Rectangle, V for Square truss.
Example: S66V-L200

PROLYTE S100F TRUSS

PROLYTE S100F - ALLOWABLE LOADING

MAXIMUM ALLOWABLE POINT LOADS

SPAN		UNIFORMLY DISTRIBUTED LOAD UDL		DEFLECTION		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		SPAN
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
2,4	7.9	866,5	583.1	0,1	0	2056,0	4538	0,2	0	1028,1	2269.0	685,4	1512.6	514,0	1134.5	42,7
4,8	15.7	425,8	286.5	1,0	0.03	2056,0	4538	2	0.07	1028,1	2269.0	685,4	1512.6	514,0	1134.5	85,4
7,2	23.6	278,8	187.6	3,2	0.12	1854,0	4092	5	0.19	927,0	2045.9	618,0	1363.9	463,5	1022.9	128,2
9,6	31.5	205,4	138.2	7,5	0.29	1644,0	3629	10	0.39	822,1	1814.3	548,0	1209.5	411,0	907.1	170,9
12	39.4	161,3	108.5	14,5	0.57	1477,0	3260	18	0.70	738,5	1629.8	492,3	1086.6	369,2	814.9	213,6
14,4	47.2	131,9	88.8	24,5	0.96	1341,0	2959	28	1.10	670,3	1479.4	446,9	986.3	355,2	739.7	256,6
16,8	55.1	110,9	74.6	38,2	1.50	1227,0	2709	40	1.57	613,7	1354.4	409,1	902.9	306,8	677.2	299,0
19,2	63	95,2	64.1	56,0	2.20	1132,0	2498	55	2.16	565,9	1248.9	377,2	832.6	282,9	624.4	341,8
21,6	70.8	82,9	55.8	78,1	3.07	1050,0	2317	73	2.87	525,0	1158.6	350,0	772.4	262,5	579.3	384,5
24	78.7	70,9	47.7	101,8	4.00	979,2	2161	94	3.70	489,6	1080.5	326,4	720.3	244,8	540.3	427,2
26,4	86.6	60,4	40.7	127,0	5.00	917,3	2025	117	4.60	458,7	1012.3	305,8	674.8	229,3	506.1	469,9
28,8	94.5	51,6	34.7	153,5	6.04	862,8	1904	143	5.62	431,4	952.1	287,6	634.8	215,7	476.1	512,6
31,2	102.3	44,0	29.6	180,4	7.10	814,5	1798	171	6.73	407,2	898.8	271,5	599.2	203,6	449.4	555,4
33,6	110.2	37,6	25.3	207,2	8.15	771,2	1702	203	7.95	385,6	851.0	257,1	567.4	192,8	425.5	598,2
36	118.1	32,1	21.6	233,0	9.17	732,3	1616	237	9.33	366,2	808.1	244,1	538.8	183,1	404.1	641,0

1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For structures contact Prolyte

Mark approval certificate No. 44 780 349753-001
Test report No. 07 780 349753-001
TÜV certification only valid for loading table above.

S100 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
1,00	3.28	S100F-L100
1,20	3.94	S100F-L120
2,00	6.56	S100F-L200
2,40	7.87	S100F-L240
3,00	9.84	S100F-L300

TECHNICAL SPECIFICATIONS S100 SERIES

Types	Folding (F)
Alloy	EN AW 6082 T6
Main tubes (chords)	50 x 4 mm
Braces	48 x 3 mm
Coupling system	CCS7 series

Type		S100F	
Allowable Normal Force in Main Chord	N	41,62	kN
Allowable Normal Force in Diagonals	N	33,93	kN
Surface area Complete Truss	A	23,12	cm^2
Moment of Inertia Y-axis	Iy	44396,3	cm^4
Moment of Inertia Z-axis	Iz	———	cm^4
Allowable bending moment Y-axis	My	79,08	kNm
Allowable bending moment Z-axis	Mz	———	kNm
Allowable shear force Z-axis	Qz/Vz	12,0	kN
Allowable shear force Y-axis	Qy/Vy	———	kN
Selfweight	kg	18	kg/m

PROLYTE B100RV TRUSS

PROLYTE B100RV - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS CENTRE POINT LOAD		DEFLECTION		SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
2	6.6	6137,5	4129.7	1	0.03	12274,9	27090.8	1	0.03	6137,5	13545.4	4085,0	9015.5	3068,7	6772.7	44,0
3	9.8	4085,0	2748.6	2	0.07	12254,9	27046.6	2	0.07	6127,5	13523.3	4075,0	8993.5	3063,7	6761.7	66,0
4	13.1	3058,7	2058.1	4	0.15	12101,4	26707.9	3	0.11	6117,5	13501.3	4065,0	8971.4	3058,7	6750.6	88,0
5	16.4	2443,0	1643.8	6	0.24	9663,1	21326.6	5	0.19	6107,5	13479.2	4055,0	8949.3	3053,7	6739.6	110,0
6	19.7	2032,5	1367.6	8	0.31	8034,3	17731.7	7	0.27	6025,7	13298.8	4017,1	8865.8	3048,7	6728.6	132,0
7	23.0	1739,3	1170.3	11	0.43	6868,0	15157.6	9	0.35	5151,0	11368.2	3434,0	7578.8	2850,2	6290.4	154,0
8	26.2	1497,7	1007.7	15	0.59	5990,7	13221.5	12	0.47	4493,0	9916.1	2995,4	6610.8	2486,1	5486.9	176,0
9	29.5	1179,2	793.4	19	0.74	5306,2	11710.8	15	0.59	3979,6	8783.1	2653,1	5855.4	2202,1	4860.0	198,0
10	32.8	951,3	640.1	23	0.90	4756,6	10497.8	18	0.70	3567,4	7873.3	2378,3	5248.9	1974,0	4356.6	220,0
11	36.1	782,7	526.7	28	1.10	4305,1	9501.3	22	0.86	3228,8	7126.0	2152,5	4750.6	1786,6	3943.0	242,0
12	39.4	654,5	440.4	33	1.30	3927,1	8667.2	27	1.06	2945,4	6500.4	1963,6	4333.6	1629,8	3596.9	264,0
13	42.6	554,7	373.3	39	1.53	3605,8	7958.1	31	1.22	2704,4	5968.5	1802,9	3979.0	1496,4	3302.6	286,0
14	45.9	475,6	320.0	45	1.77	3329,0	7347.1	36	1.41	2496,7	5510.3	1664,5	3673.5	1381,5	3049.0	308,0
15	49.2	411,7	277.0	52	2.04	3087,7	6814.6	42	1.65	2315,8	5110.9	1543,9	3407.3	1281,4	2828.1	330,0
16	52.5	359,4	241.8	59	2.32	2875,4	6345.9	47	1.85	2156,5	4759.4	1437,7	3173.0	1193,3	2633.6	352,0
17	55.8	316,1	212.7	67	2.63	2686,8	5929.8	53	2.08	2015,1	4447.3	1343,4	2964.9	1115,0	2460.9	374,0
18	59.0	279,8	188.3	75	2.95	2518,1	5557.4	60	2.36	1888,6	4168.1	1259,0	2778.7	1045,0	2306.3	396,0
19	62.3	249,1	167.6	83	3.26	2366,1	5222.0	67	2.63	1774,6	3916.5	1183,0	2611.0	981,9	2167.1	418,0
20	65.6	222,8	149.9	92	3.62	2228,3	4917.8	74	2.91	1671,2	3688.4	1114,1	2458.9	924,7	2040.9	440,0
21	68.9	200,3	134.7	102	4.01	2102,7	4640.6	82	3.22	1577,0	3480.4	1051,3	2320.3	872,6	1925.8	462,0
22	72.2	180,7	121.6	112	4.40	1987,5	4386.5	89	3.50	1490,7	3289.9	993,8	2193.2	824,8	1820.4	484,0
23	75.4	163,6	110.1	122	4.80	1881,6	4152.6	98	3.85	1411,2	3114.4	940,8	2076.3	780,8	1723.3	506,0
24	78.7	148,6	100.0	133	5.23	1783,6	3936.3	106	4.17	1337,7	2952.3	891,8	1968.2	740,2	1633.6	528,0
25	82.0	135,4	91.1	144	5.66	1692,6	3735.6	116	4.56	1269,5	2801.7	846,3	1867.8	702,4	1550.3	550,0
26	85.3	123,7	83.2	156	6.14	1607,9	3548.7	125	4.92	1205,9	2661.5	804,0	1774.3	667,3	1472.7	572,0
27	88.6	113,2	76.2	168	6.61	1528,7	3373.9	135	5.31	1146,5	2530.4	764,4	1687.0	634,4	1400.2	594,0
28	91.8	103,9	69.9	181	7.12	1454,5	3210.1	145	5.70	1090,9	2407.5	727,2	1605.0	603,6	1332.2	616,0
29	95.1	95,5	64.3	194	7.63	1384,7	3056.0	155	6.10	1038,5	2292.0	692,3	1528.0	574,6	1268.2	638,0
30	98.4	87,9	59.2	208	8.18	1318,9	2910.7	166	6.53	989,1	2183.0	659,4	1455.4	547,3	1207.9	660,0
31	101.7	81,1	54.6	222	8.74	1256,6	2773.4	178	7.00	942,5	2080.0	628,3	1386.7	521,5	1151.0	682,0
32	105.0	74,9	50.4	237	9.33	1197,7	2643.3	189	7.44	898,3	1982.5	598,8	1321.6	497,0	1097.0	704,0
33	108.2	69,2	46.6	252	9.92	1141,7	2519.7	201	7.91	856,3	1889.8	570,8	1259.9	473,8	1045.7	726,0
34	111.5	64,0	43.1	267	10.51	1088,4	2402.1	214	8.42	816,3	1081.6	544,2	1201.1	451,7	996.9	748,0
35	114.8	59,3	39.9	283	11.14	1037,6	2290.0	226	8.89	778,2	1717.5	518,8	1145.0	430,6	950.3	770,0
36	118.1	54,9	37.0	299	11.77	989,0	2182.8	240	9.44	741,8	1637.1	494,5	1091.4	410,5	905.9	792,0
37	121.4	51,0	34.3	316	12.44	942,6	2080.3	253	9.96	706,9	1560.2	471,3	1040.1	391,2	863.3	814,0
38	124.6	47,3	31.8	334	13.14	898,0	1982.0	267	10.51	673,5	1486.5	449,0	991.0	372,7	822.5	836,0
39	127.9	43,9	29.5	351	13.81	855,3	1887.6	281	11.06	641,5	1415.7	427,6	943.8	354,9	783.4	858,0
40	131.2	40,7	27.4	370	14.56	814,1	1796.8	296	11.65	610,6	1347.6	407,1	898.4	337,9	745.7	880,0

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

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

BAUART GEPRÜFT RWTÜV

Mark approval certificate
No. 2733/03
Test report No. 2732/03
TÜV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS B100RV SERIES

Type	Rectangle
Alloy	EN AW 6082 T6
Main tubes (chords)	60 x 6 mm
Braces	48 x 3 mm
Coupling system	CCS7 series

Type		B100RV	
Allowable Normal Force in Main Chord	N	63,90	kN
Allowable Normal Force in Diagonals	N	33,93	kN
Surface area Complete Truss	A	40,72	cm^2
Moment of Inertia Y-axis	Iy	78211,5	cm^4
Moment of Inertia Z-axis	Iz	23522,6	cm^4
Allowable bending moment Y-axis	My	121,41	kNm
Allowable bending moment Z-axis	Mz	66,46	kNm
Allowable shear force Z-axis	Qz/Vz	61,57	kN
Allowable shear force Y-axis	Qy/Vy	31,08	kN
Selfweight	kg	25	kg/m

B100RV SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
1,00	3.28	B100RV•-L100
1,20	3.94	B100RV•-L120
2,00	6.56	B100RV•-L200
2,40	7.87	B100RV•-L240
3,00	9.84	B100RV•-L300

PROLYTE B100RV CATWALK - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS: CENTRE POINT LOAD		DEFLECTION		SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS		SPAN
		UDL				CPL				TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
4	13.1	1470,0	989.1	1	0.03	3181.0	7020.5	1	0.03	2385.8	5265.4	1590.5	3510.2	1320.1	2913.5	220,0
5	16.4	1007.1	677.7	2	0.07	2517.8	5556.8	1	0.03	1884.4	4167.6	1258.9	2778.4	1044.9	2306.1	250,0
6	19.7	690.2	464.4	2	0.07	2070.7	4570.0	2	0.07	1553.0	3427.5	1035.3	2285.0	859.3	1896.5	280,0
7	23.0	499,1	335.9	3	0.12	1747.0	3855.6	2	0,09	1310.3	2891.7	873.5	1927.8	725.0	1600.1	210,0
8	26.2	375,1	252.4	4	0.16	1500.5	3311.6	3	0.12	1125.4	2483.7	750.3	1655.8	622.7	1374.3	240,0
9	29.5	290,1	195.2	5	0.19	1305.4	2881.1	4	0.16	979.1	2160.8	652.7	1440.6	541.8	1195.7	270,0
10	32.8	229,3	154.3	6	0.23	1146.4	2530.1	5	0.19	859.8	1897.6	573.2	1265.1	475.8	1050.0	300,0
11	36.1	184,3	124.0	7	0.27	1013.5	2236.9	6	0.23	760.2	1677.7	506.8	1118.4	420.6	928.3	330,0
12	39.4	150,1	101.0	9	0.35	900.3	1987.0	7	0.27	675.3	1490.3	450.2	993.5	373.6	824.6	360,0
13	42.6	123,4	83.0	10	0.39	802.2	1770.5	8	0.31	601.7	1327.9	401.1	885.3	332.9	734.8	390,0
14	45.9	102,3	68.8	12	0.47	716.0	1580.2	10	0.39	537.0	1185.2	358.0	790.1	297.1	655.8	420,0
15	49.2	85,2	57.4	14	0.55	639.3	1410.9	11	0.43	479.5	1058.1	319.6	705.4	265.3	585.5	450,0
16	52.5	71,3	48.0	16	0.62	570.3	1258.5	13	0.51	427.7	943.9	285.1	629.3	236.7	522.3	480,0
17	55.8	59,7	40.2	18	0.70	507.6	1120.2	14	0.55	380.7	840.2	253.8	560.1	210.6	464.9	510,0
18	59.0	50,0	33.7	20	0.78	450.2	993.6	16	0.62	337.7	745.2	225.1	496.8	186.8	412.4	540,0
19	62.3	41,8	28.1	22	0.86	397.3	876.9	18	0.70	298.0	657.7	198.7	438.4	164.9	363.9	570,0
20	65.6	34,8	23.4	25	0.98	348.2	768.5	20	0.78	261.2	576.4	174.1	384.2	144.5	318.9	600,0

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- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte

Mark approval certificate No. 2733/03
Test report No. 2732/03
TÜV certification only valid for loading table above.

PROLYTE MAMMOTH TRUSS

PROLYTE MAMMOTH TRUSS - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
		UDL				CENTRE POINT LOAD				SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS		
						CPL		DEFLECTION		TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
24,0	78,7	700,0	471,0	122	4.80	8400,0	18538,8	97	3.81	6300,0	13904,1	4200,0	9269,4	3486,0	7693,6	500,0
26,4	86,6	569,8	383,4	147	5.78	7521,8	16600,7	118	4.64	5641,4	12450,5	3760,9	8300,3	3121,6	6889,3	550,0
28,8	94,5	470,8	316,8	175	6.88	6780,0	14963,5	140	5.51	5085,0	11222,6	3390,0	7481,7	2813,7	6209,8	600,0
31,2	102,3	393,8	265,0	206	8.11	6143,1	13557,8	165	6.49	4607,3	10168,3	3071,5	6778,9	2549,4	5626,5	650,0
33,6	110,2	332,7	223,8	239	9.40	5588,6	12334,0	191	7.51	4191,4	9250,5	2794,3	6167,0	2319,3	5118,6	700,0
36,0	118,1	283,3	190,6	274	10.78	5100,0	11255,7	219	8.62	3825,0	8441,8	2550,0	5627,9	2116,5	4671,1	750,0
38,4	126,0	243,0	163,5	312	12.83	4665,0	10295,7	249	9.80	3498,8	7721,7	2332,5	5147,8	1936,0	4272,7	800,0
40,8	133,8	209,5	141,0	352	13.85	4274,1	9433,0	282	11.10	3205,6	7074,7	2137,1	4716,5	1773,8	3914,7	850,0
43,2	141,7	181,5	122,1	394	15.51	3920,0	8651,4	316	12.44	2940,0	6488,6	1960,0	4325,7	1626,8	3590,3	900,0
45,6	149,6	157,8	106,1	440	17.32	3596,8	7938,2	352	13.85	2697,6	5953,7	1798,4	3969,1	1492,7	3294,4	950,0
48,0	157,4	134,6	90,5	480	18.89	3300,0	7283,1	390	15.35	2356,5	5200,7	1650,0	3641,6	1303,9	2877,7	1000,0
50,4	165,3	109,4	73,6	504	19.84	3025,7	6677,8	430	16.92	2008,7	4433,2	1492,8	3294,5	1111,5	2453,1	1050,0

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- For structures contact Prolyte

TECHNICAL SPECIFICATIONS MAMMOTH TRUSS

Types	RV
Alloy	EN AW 6082 T6
Main tubes (chords)	100 x 8 mm
Braces	60 x 60 x 3,5 / 50,4 mm
Coupling system	Pin/fork

Type		MAMMOTH	
Allowable Normal Force in Main Chord	N	200	kN
Allowable Normal Force in Diagonals vertical	N	63,3	kN
Allowable Normal Force in Diagonals horizontal	N	46,24	kN
Surface area Complete Truss	A	92,5	cm^2
Moment of Inertia Y-axis	Iy	380147,9	cm^4
Moment of Inertia Z-axis	Iz	97112,4	cm^4
Allowable bending moment Y-axis	My	540	kNm
Allowable bending moment Z-axis	Mz	272	kNm
Allowable shear force Z-axis	Qz/Vz	118,1	kN
Allowable shear force Y-axis	Qy/Vy	47,6	kN
Selfweight	kg	50	kg/m

MAMMOTH TRUSS - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code
2,40	8	M145RV-L240
4,80	16	M145RV-L480