

PROLYTE E20D - ALLOWABLE LOADING

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
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	I _y	224,7	446,7	cm ⁴
Moment of Inertia Z-axis	I _z	223,4	446,7	cm ⁴
Allowable bending moment Y-axis	M _y	1,14	2,62	kNm
Allowable bending moment Z-axis	M _z	1,31	2,62	kNm
Allowable shear force Z-axis	Q _z /V _z	1,67	1,92	kN
Allowable shear force Y-axis	Q _y /V _y	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		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
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 X30L / X30D / X30V TRUSS

PROLYTE X30D - ALLOWABLE LOADING

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
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

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- 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

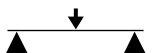
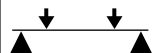
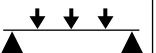
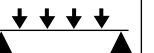
Type		X30D	X30V	
Allowable Normal Force in Main Chord	N	22,17	22,17	kN
Allowable Normal Force in Diagonals	N	7,04	7,04	kN
Surface area Complete Truss	A	9,24	12,32	cm ²
Moment of Inertia Y-axis	I _y	771,2	1526,3	cm ⁴
Moment of Inertia Z-axis	I _z	763,1	1526,3	cm ⁴
Allowable bending moment Y-axis	M _y	4,59	10,60	kNm
Allowable bending moment Z-axis	M _z	5,30	10,60	kNm
Allowable shear force Z-axis	Q _z /V _z	8,62	9,95	kN
Allowable shear force Y-axis	Q _y /V _y	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												SPAN
						MAXIMUM ALLOWABLE POINT LOADS										
						CENTRE POINT LOAD				DEFLECTION		SINGLE LOAD THIRD POINTS LOAD PER POINT		SINGLE LOAD FOURTH POINTS LOAD PER POINT		
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	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																

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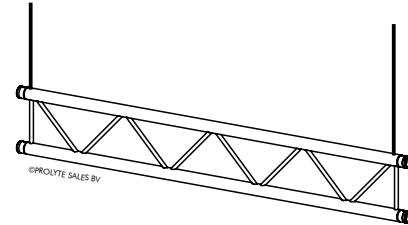
Mark approval certificate No. 2258/04
Test report No. 2257/04
TÜV certification only valid for loading table above.

PROLYTE X30L TRUSS

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

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
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 | 1 m = 3.28 ft | 1 lbs = 0,453 kg

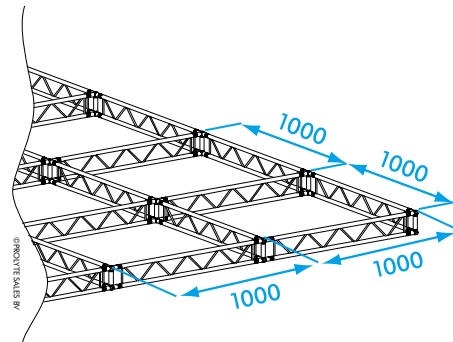


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

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

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
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 | 1 m = 3.28 ft | 1 lbs = 0,453 kg

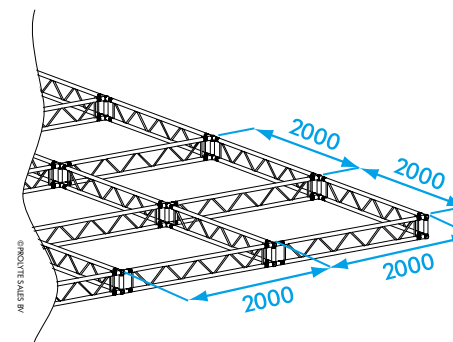


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

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

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
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

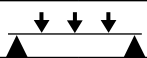
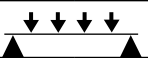
1 inch = 25,4 mm | 1 m = 3.28 ft | 1 lbs = 0,453 kg



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

PROLYTE H30L / H30D / H30V TRUSS

PROLYTE H30D - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION		  						SPAN			
						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	
						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																			

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	I _y	1057,3	2095,9	cm ⁴
Moment of Inertia Z-axis	I _z	1047,9	2095,9	cm ⁴
Allowable bending moment Y-axis	M _y	6,32	14,60	kNm
Allowable bending moment Z-axis	M _z	7,30	14,60	kNm
Allowable shear force Z-axis	Q _z /V _z	8,62	9,95	kN
Allowable shear force Y-axis	Q _y /V _y	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
						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	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	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																

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



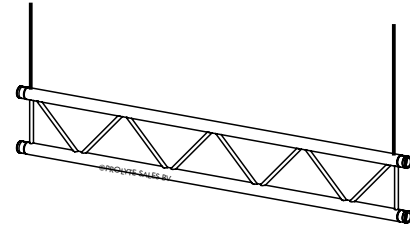
Mark approval certificate No. 2256/04
Test report No. 2255/04
TÜV certification only valid for loading table above.

PROLYTE H30L TRUSS

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

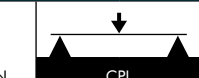
SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
1	3.3	992,2	667.6	0	0	992,2	2189.8	0	0
2	6.6	359,0	241.6	1	0.04	389,0	858.5	1	0.04
3	9.8	135,0	90.8	2	0.08	203,0	448.0	2	0.08
4	13.1	52,0	35.0	2	0.08	104,0	229.5	2	0.08
5	16.4	25,0	16.8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

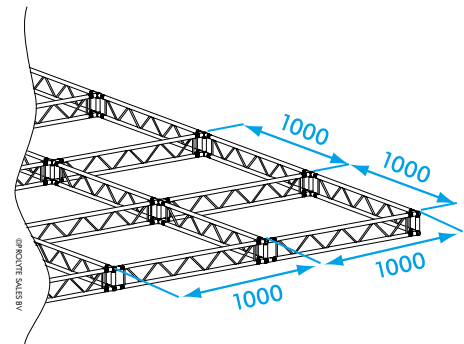


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

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

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
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

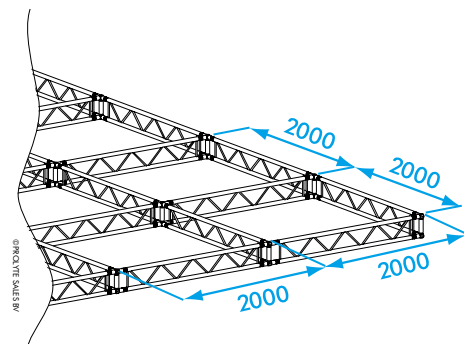


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

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

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
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

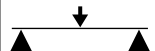
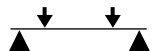
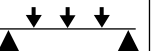
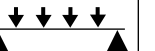
1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg



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

PROLYTE H40D / H40V TRUSS

PROLYTE H40D - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION												SPAN		
						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	
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.

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

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	I _y	2104,8	4179,5	cm ⁴
Moment of Inertia Z-axis	I _z	2089,8	4179,5	cm ⁴
Allowable bending moment Y-axis	M _y	8,98	20,70	kNm
Allowable bending moment Z-axis	M _z	10,35	20,70	kNm
Allowable shear force Z-axis	Q _z /V _z	11,08	12,80	kN
Allowable shear force Y-axis	Q _y /V _y	6,40	12,80	kN
Selfweight	kg	5	6,9	kg/m

PROLYTE H40V TRUSS

PROLYTE H40V - 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		
										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																

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



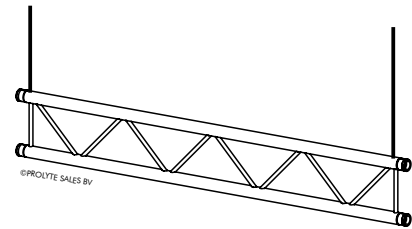
Mark approval certificate No. 2246/04
Test report No. 2245/04
TÜV certification only valid for loading
table above.

PROLYTE H40L TRUSS

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

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
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 | 1 m = 3.28 ft | 1 lbs = 0.453 kg

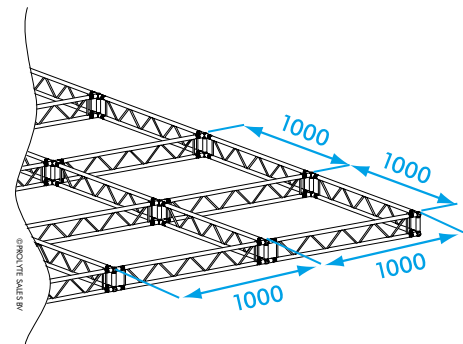


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

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

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
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 | 1 m = 3.28 ft | 1 lbs = 0,453 kg

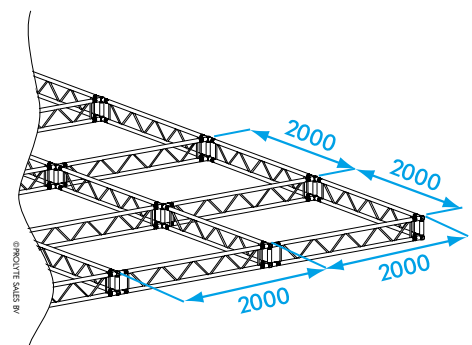


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

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

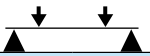
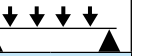
SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION	
		UDL				CPL			
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	133,0	89.5	3	0.12	266,0	587.1	2	0.08
5	16.4	84,0	56.5	5	0.20	210,1	463.7	4	0.16
6	19.7	57,4	38.7	7	0.28	172,3	380.3	6	0.24
7	23.0	41,4	27.9	9	0.35	144,9	319.9	8	0.31
8	26.2	31,0	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 | 1 m = 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												SPAN		
						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	
						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.

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

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	I _y	4445,1	4445,1	cm ⁴
Moment of Inertia Z-axis	I _z	1250,0	4445,1	cm ⁴
Allowable bending moment Y-axis	M _y	24,89	24,89	kNm
Allowable bending moment Z-axis	M _z	—	24,89	kNm
Allowable shear force Z-axis	Q _z /V _z	23,46	23,46	kN
Allowable shear force Y-axis	Q _y /V _y	—	23,46	kN
Selfweight	kg	10,5	12	kg/m

PROLYTE S36V TRUSS

PROLYTE S36V - 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	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	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												

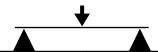
1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

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

PROLYTE S52F TRUSS

PROLYTE S52F - ALLOWABLE LOADING																	
SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION				DEFLECTION								SPAN	
						MAXIMUM ALLOWABLE POINT LOADS											
		CPL		FPL		SINGLE LOAD THIRD POINTS LOAD PER POINT		SINGLE LOAD FOURTH POINTS LOAD PER POINT		SINGLE LOAD FIFTH POINTS LOAD PER POINT							
UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN			
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



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

PROLYTE S52SV AND S52V - 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			
UDL		CPL		DEFLECTION		TPL		QPL		FPL		SPAN					
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

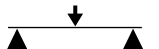
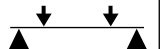
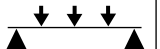
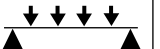
Type		S52F	S52V	S52SV	
Allowable Normal Force in Main Chord	N	41,62	41,62	41,62	kN
Allowable Normal Force in Diagonals	N	16,59	20,36	20,36	kN
Surface area Complete Truss	A	23,12	23,12	23,12	cm ²
Moment of Inertia Y-axis	I _y	10906,2	10906,2	10906,2	cm ⁴
Moment of Inertia Z-axis	I _z	—	—	10906,2	cm ⁴
Allowable bending moment Y-axis	M _y	39,12	39,12	39,12	kNm
Allowable bending moment Z-axis	M _z	—	—	39,12	kNm
Allowable shear force Z-axis	Q _z /V _z	18,0	28,79	28,79	kN
Allowable shear force Y-axis	Q _y /V _y	—	—	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-sided webbing. Example:
S52V-L200

PROLYTE S66R AND S66V - 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								
				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	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												

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

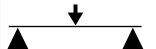
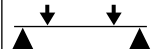
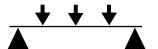
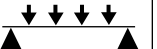
Types	Rectangle (R), Square (V)			
Alloy	EN AW 6082 T6			
Main tubes (chords)	50 x 4 mm			
Braces	30 x 3 mm			
Coupling system	CCS7 series			
Type		S66V	S66R	
Allowable Normal Force in Main Chord	N	41,62	41,62	kN
Allowable Normal Force in Diagonals	N	20,36	20,36	kN
Surface area Complete Truss	A	23,12	23,12	cm ²
Moment of Inertia Y-axis	I _y	18335,3	18335,3	cm ⁴
Moment of Inertia Z-axis	I _z	3400,0	3550,0	cm ⁴
Allowable bending moment Y-axis	M _y	50,78	50,78	kNm
Allowable bending moment Z-axis	M _z	—	—	kNm
Allowable shear force Z-axis	Q _z /V _z	31,24	31,24	kN
Allowable shear force Y-axis	Q _y /V _y	—	—	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																			
SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION												SPAN			
						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	
						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			
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	cm²
Moment of Inertia Y-axis	Iy	44396,3	cm⁴
Moment of Inertia Z-axis	Iz	—	cm⁴
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		CENTRE POINT LOAD		DEFLECTION		SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS		SPAN
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

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- 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
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- For structures contact Prolyte



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

PROLYTE B100RV TRUSS

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	I _y	78211,5	cm ⁴
Moment of Inertia Z-axis	I _z	23522,6	cm ⁴
Allowable bending moment Y-axis	M _y	121,41	kNm
Allowable bending moment Z-axis	M _z	66,46	kNm
Allowable shear force Z-axis	Q _z /V _z	61,57	kN
Allowable shear force Y-axis	Q _y /V _y	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		CENTRE POINT LOAD		DEFLECTION		SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS		SPAN
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

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

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- 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. 2733/03
Test report No. 2732/03
TUV 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	
						CENTRE POINT LOAD		DEFLECTION		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	
1 inch = 25,4 mm 1m = 3.28 ft 1 lbs = 0,453 kg																	

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- 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

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	I _y	380147,9	cm ⁴
Moment of Inertia Z-axis	I _z	97112,4	cm ⁴
Allowable bending moment Y-axis	M _y	540	kNm
Allowable bending moment Z-axis	M _z	272	kNm
Allowable shear force Z-axis	Q _z /V _z	118,1	kN
Allowable shear force Y-axis	Q _y /V _y	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