

M145RV RECTANGULAR SERIE TRUSS



PRODUCT DATA SHEET

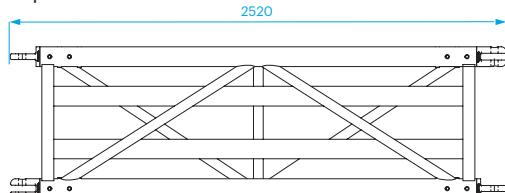
The Prolyte M145RV Mammoth Truss is one of the largest trusses ever constructed from aluminium. The design of this truss not only reflects the Prolyte philosophy of making user-friendly products, it also underscores the unrivalled technological knowledge and experience Prolyte has gained over the years.

Mammoth Truss provides massive strength for a range of application possibilities within a large construction, such as a roof system or mother grid.

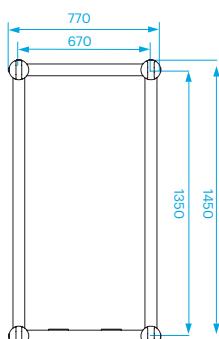
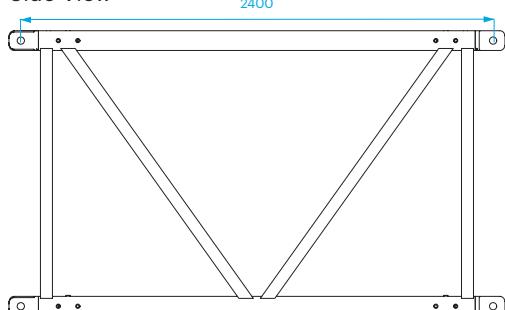
With its superior loading capacity the M145RV Mammoth Truss is five times stronger than the B100 Series truss. For example, on a stretch of 30 metres you still can apply a point load of 6400kg. Other truss types can be stored inside the M145RV trusses. The overall measurements are thus designed that container and truck space are efficiently used.

M145RV

Top View



Side View



Technical Specifications - M145RV

Types	Rectangular (RV)
Alloy	EN AW 6082 T6
Main Chords	100 x 8 mm
Diagonal Members	60 x 60 x 3,5 / 50 x 4 mm
Coupling System	Pin / Fork connection

Structural data can be found at www.prolyte.com

M145RV - Standard available Lengths and Codes

Metres	Feet	Code
2,40	7.87	M145RV-L240
3,00	9.84	M145RV-L300
4,80	15.75	M145RV-L480
6,00	19.69	M145RV-L600

Other Lengths on request

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M145RV - Allowable Loading

SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN	
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight	
24.0	78.7	700.0	471.0	122	4.97	8400.0	18538.8	97	3.99	6300.0	13904.1	4200.0	9269.4	3486.0	7693.6	1200	
26.4	86.6	569.8	383.4	147	6.01	7521.8	16600.7	118	4.83	5641.4	12450.5	3760.9	8300.3	3121.6	6889.3	1320	
28.8	94.5	470.8	316.8	175	7.16	6780.0	14963.5	140	5.75	5085.0	11222.6	3390.0	7481.7	2813.7	6209.8	1440	
31.2	102.3	393.8	265.0	206	8.40	6143.1	13557.8	165	6.75	4607.3	10168.3	3071.5	6778.9	2549.4	5626.5	1560	
33.6	110.2	332.7	223.8	239	9.74	5588.6	12334.0	191	7.83	4191.4	9250.5	2794.3	6167.0	2319.3	5118.6	1680	
36.0	118.1	283.3	190.6	274	11.18	5100.0	11255.7	219	8.99	3825.0	8441.8	2550.0	5627.9	2116.5	4671.1	1800	
38.4	126.0	243.0	163.5	312	12.72	4665.0	10295.7	249	10.22	3498.8	7721.7	2332.5	5147.8	1936.0	4272.7	1920	
40.8	133.8	209.5	141.0	352	14.36	4274.1	9433.0	282	11.54	3205.6	7074.7	2137.1	4716.5	1773.8	3914.7	2040	
43.2	141.7	181.5	122.1	394	16.10	3920.0	8651.4	316	12.94	2940.0	6488.6	1960.0	4325.7	1626.8	3590.3	2160	
45.6	149.6	157.8	106.1	440	17.94	3596.8	7938.2	352	14.42	2697.6	5953.7	1798.4	3969.1	1492.7	3294.4	2280	
48.0	157.4	137.5	92.5	487	19.88	3300.0	7283.1	390	15.98	2475.0	5462.3	1650.0	3641.6	1369.5	3022.5	2400	
50.4	165.3	120.1	80.8	537	21.91	3025.7	6677.8	430	17.61	2269.3	5008.3	1512.9	3338.9	1255.7	2771.3	2520	
52.8	173.2	105.0	70.6	589	24.05	2770.9	6115.4	472	19.33	2078.2	4586.5	1385.5	3057.7	1149.9	2537.9	2640	
55.2	181.1	91.8	61.8	644	26.29	2533.0	5590.4	516	21.13	1899.8	4192.8	1266.5	2795.2	1051.2	2320.0	2760	
57.6	188.9	80.2	54.0	701	28.62	2310.0	5098.2	561	23.00	1732.5	3823.6	1155.0	2549.1	958.7	2115.7	2880	
60.0	196.8	70.0	47.1	761	31.06	2100.0	4634.7	609	24.96	1575.0	3476.0	1050.0	2317.4	871.5	1923.4	3000	

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

- TÜV certification only valid for loading table above.
- Loading figures are only valid for static loads.
- Loading figures are only valid for single spans with supports at both ends.
- All static systems, other than single spans, need an individual structural calculation. Please contact a structural engineer or Prolyte for assistance.
- Loading figures are calculated according to and in full compliance with European standards (Eurocode).
- The self-weight of the trusses is already taken into account.
- Loading figures are only valid for the cross sectional orientation of the truss as shown by the icon in the loading table.
- The interaction between bending moment and shear force at the connection point is already taken into account.
- Truss spans can be assembled from different truss lengths.
- Read the manual before assembling, using and loading the truss.