



M145RV - Allowable Loading

SPAN		Uniformly Distributed Load		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
		UDL				CPL		DEFLECTION		TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight
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 | 1 m = 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 Group 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.

