FORK TRUSS
MyT

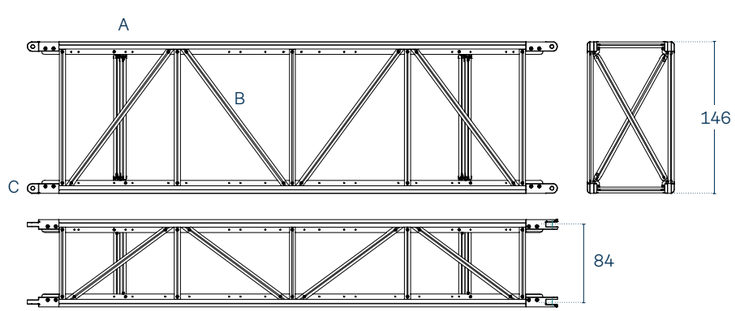


Rectangular truss, 146 × 84 cm section, in special aluminium alloys

It measures 84 cm in width and 146 cm in height. The flagship model is 500 cm long, with a self-weight of 430 kg. Manufactured from high-performance aluminium alloy EN AW-7003 T6, offering high mechanical properties. Suitable for large-scale entertainment installations and for temporary and semi-permanent structures.
At the maximum permitted span, it exhibits no significant bending.

LINEAR ELEMENTS					
Code	**W × H × D (cm)**	**kg**	**Code**	**W × H × D (cm)**	**kg**
TR150M-25M-A	84 × 146 × 250	233.5	TR150M-50M-A	84 × 146 × 500	430

Chords A	Diagonals B	Ends C	Connection systems
Extruded aluminium EN AW – 7003 T6	Extruded aluminium EN AW – 7003 T6	Aluminium forks connector EN AW – 7003 T6	Connection system 11SMnPb37



Load table / Fork connection

	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
span	**Point load**	**Full load**	**Central deflection**	**Point load**	**Full load**	**Central deflection**	**Point load**	**Full load**	**Central deflection**	**Point load**	**Full load**	**Central deflection**	**Point load**	**Full load**	**Central deflection**
[m]	**[kg/m]**	**[kg]**	**mm**	**[kg]**	**[kg]**	**mm**	**[kg]**	**[kg]**	**mm**	**[kg]**	**[kg]**	**mm**	**[kg]**	**[kg]**	**mm**
2	5039	10077	0	10076	10076	0	5039	10077	0	3359	10076	0	2519	10075	0
4	2476	9904	0.1	9905	9905	0.2	4953	9906	0.2	3302	9905	0.2	2476	9904	0.2
6	1623	9737	0.5	9734	9734	0.8	4867	9735	0.6	3245	9734	0.6	2433	9733	0.6
8	1196	9566	1.1	9563	9563	1.8	4782	9564	1.5	3188	9563	1.4	2390	9562	1.4
10	939	9388	2.2	9391	9391	3.4	4696	9392	3	3130	9391	2.8	2348	9390	2.7
12	769	9223	3.9	9220	9220	5.9	4611	9221	5.1	3073	9220	4.8	2305	9219	4.6
14	646	9048	6.1	9049	9049	9.4	4525	9050	8.1	3016	9049	7.6	2262	9048	7.3
16	555	8873	9.2	8878	8878	13.9	4439	8879	12	2959	8878	11.3	2219	8877	10.8
18	484	8716	13.1	8594	8594	19.4	4354	8707	17.1	2902	8706	16	2176	8705	15.4
20	427	8542	18	8134	8134	25.7	4268	8536	23.4	2845	8535	21.9	2134	8534	21.1
22	380	8365	24	1589	1589	33.1	4182	8365	31	2788	8364	29.1	2091	8363	28
24	341	8196	31.2	7305	7305	41.7	4097	8194	40.1	2731	8193	37.7	2048	8192	36.3
26	309	8031	39.8	6930	6930	51.4	4007	8014	50.8	2674	8021	47.9	2005	8020	46.2
28	280	7849	49.8	6577	6577	62.4	3819	7637	61.9	2617	7850	59.7	1962	7849	57.6
30	256	7676	61	6244	6244	75	3639	7278	74	2560	7679	73	1919	7678	71
32	234	7503	75	5928	5928	89	3466	6932	88	2503	7508	89	1877	7507	86
34	216	7348	90	5628	5628	104	3300	6599	104	2445	7336	106	2038	8151	103
36	199	7156	107	5327	5327	120	3139	6277	121	2351	7052	124	1791	7164	122
38	185	7011	126	4882	4882	135	2984	5967	139	2245	6734	144	1748	6993	143
40	170	6809	147	4472	4472	151	2834	5668	159	2141	6422	165	1705	6822	166

Load table has been prepared in accordance with EN 1999-1-1. When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end.

The values shown in the table are the allowable static loads that can be applied the the truss. This is the live load or the payload.

The self weight of the truss has been taken into account when calculating the values in the table. It should be noted that this are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.