FORK TRUSS

MyT Steroid



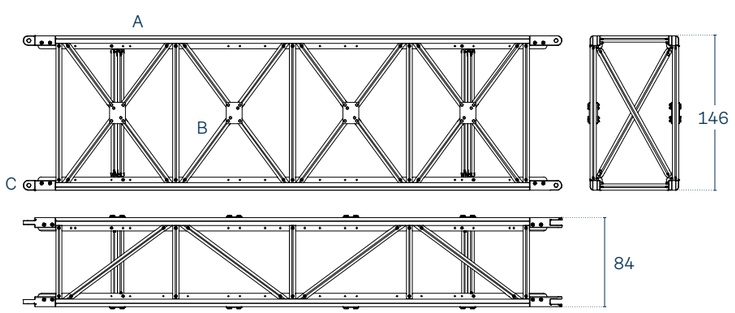
Rectangular truss, 146 × 84 cm section, in special aluminium alloys – Steroid version

Manufactured from high-performance aluminium alloy EN AW-7003 T6, offering high mechanical properties. The increased number of diagonals on the vertical faces provides higher performance compared to the Regular version.

Suitable for large-scale entertainment installations and for temporary and semi-permanent structures. At the maximum permitted span, it exhibits no significant bending undergoes virtually no bending.

LINEAR ELEMENTS		
Code	W × H × D (cm)	kg
TR150M-50M-G	84 × 146 × 500	495

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

span	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
	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	7671	15341	0	14332	14332	0	7324	14648	0	4938	14811	0	3729	14913	0
4	3792	15168	0	13303	13303	0	6929	13853	0	4720	14159	0	2587	14343	0
6	2499	14995	1	12396	12396	1	6565	13129	1	4514	13537	1	3451	13802	1
8	1853	14832	2	11590	11590	2	6228	12457	2	4319	12956	2	3321	13282	2
10	1466	14659	3	10877	10877	4	5916	11835	4	4136	12406	4	3197	12783	4
12	1207	14485	6	10224	10224	7	5626	11254	6	3961	11886	6	3077	12314	6
14	1022	14312	9	9633	9633	10	5353	10703	9	3795	11386	9	2962	11845	9
16	884	14139	14	9093	9093	14	5097	10194	14	3636	10907	14	2851	11407	14
18	776	13976	20	8594	8594	19	4855	9710	19	3484	10459	19	2745	10979	19
20	690	13802	27	8134	8134	26	4627	9254	25	3339	10017	25	2641	10571	25
22	620	13629	36	7705	7705	33	4410	8820	32	3200	9599	33	2541	10166	33
24	561	13456	47	7305	7305	42	4204	8408	41	3065	9197	42	2444	9779	42
26	511	13282	60	6930	6930	51	4007	8014	51	2936	8808	52	2351	9403	53
28	465	13007	74	6577	6577	62	3819	7638	62	2811	8434	63	2260	9038	64
30	421	12620	90	6244	6244	75	3639	7277	74	2691	8072	76	2170	8683	78
32	382	12232	108	5928	5928	89	3466	6932	88	2574	7723	91	2085	8337	93
34	338	11509	125	5628	5628	104	3300	6598	104	2461	7382	107	2000	8000	109
36	294	10561	141	5327	5327	120	3139	6277	121	2351	7053	124	1917	7672	128
38	255	9682	157	4882	4882	135	2984	5967	139	2245	6733	144	1838	7351	148
40	222	8876	175	4472	4472	151	2834	5669	159	2141	6421	165	1759	7038	170

Cantilever load table / Fork connection

span	Unif. distributed load			Centre point load	
[m]	[kg/m]	[kg]	mm	[kg]	mm
1	15199	7600	0	7451	0
2	4871	7307	0	6906	0
3	2813	7038	0	6435	1
4	1938	6782	1	6025	2
5	1455	6547	1	5668	3

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.