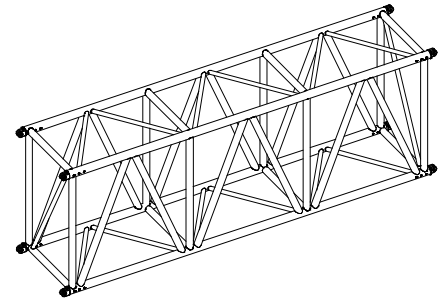
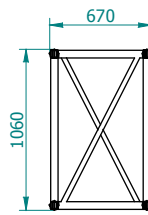
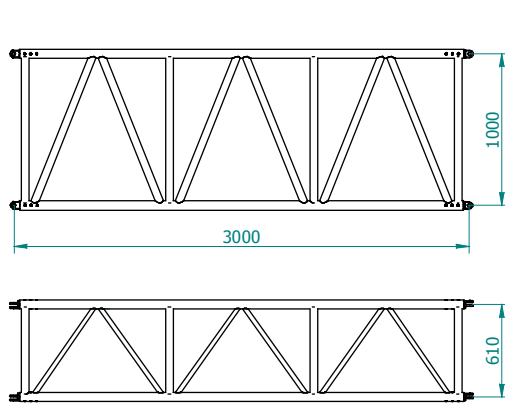


Date of issue:
2011

RL105A TRUSS SYSTEM TECHNICAL DATA



Description	Specification
External dimensions (height x width)	670 mm x 1060 mm
Distance between axis	610 mm x 1000 mm
Lengthways tubes	Extruded aluminium EN AW-6082 T6 – Ø 60 x 5 mm
Crossways tubes	Extruded aluminium EN AW-6082 T6 – Ø 50 x 3 mm
Connection system	Steel fork 11SMnPb37
Welding process	TIG (UNI8634 / DIN4113)
Available length [cm]	100 - 200 – 300
Self-weight (approx.)	33 kg/m

span	UNIFORM. DISTRIBUITO UNIFORMLY DISTRIBUTED			CENTRATO IN MEZZERIA CENTRE POINT LOAD			CONCENTR. AI TERZI SINGLE LOAD THIRD PT			CONCENTR AI QUARTI SINGLE LOAD FOURTH PT			CONCENTR. AI QUINTI SINGLE LOAD FIFTH PT		
	q_{am}	$q_{am} \cdot L$	defl.	F_{am}	F_{am}	defl.	F_{am}	$2F_{am}$	defl.	F_{am}	$3F_{am}$	defl.	F_{am}	$4F_{am}$	defl.
[m]	[kg/m]	[kg]	[mm]	[kg]	[kg]	[mm]	[kg]	[kg]	[mm]	[kg]	[kg]	[mm]	[kg]	[kg]	[mm]
3	3470	10400	1	9670	9670	1	5210	10420	1	3470	10410	1	2600	10400	1
6	1720	10300	5	6460	6460	5	4270	8540	5	3190	9570	6	2570	10280	6
9	1140	10200	16	4660	4660	12	3180	6360	14	2590	7770	16	2010	8040	16
12	687	8250	32	3600	3600	23	2510	5020	27	1950	5850	29	1540	6160	29
15	434	6520	50	2900	2900	37	2040	4080	43	1550	4650	46	1230	4920	46
18	295	5300	73	2390	2390	54	1700	3400	65	1260	3780	66	1010	4040	68
21	209	4390	99	1990	1990	75	1440	2880	90	1050	3150	91	844	3376	93
24	152	3660	129	1680	1680	100	1220	2440	119	877	2631	119	711	2844	122
27	114	3071	162	1420	1420	128	1040	2080	152	737	2211	150	601	2404	155
30	86	2570	198	1200	1200	160	891	1782	189	621	1863	185	508	2032	191
33	65	2150	237	1010	1010	196	759	1518	231	520	1560	224	427	1708	231
36	49	1780	279	839	839	235	641	1282	276	432	1296	265	357	1428	273
39	37	1450	323	687	687	278	536	1072	325	353	1059	309	293	1172	319

Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9).

When calculating the allowable loads shown in the table, it is assumed that the trusses are simply supported at the end connection and that static loads will be applied to the node points.

The application of the load shall be on the centre line of the truss.

The values shown in the table are the allowable statics loads that can be applied to 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 condition and the User shall re-analyse the truss for the loading condition which prevail for the application begin considered.



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