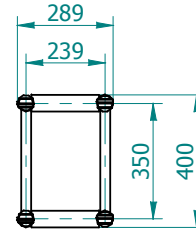
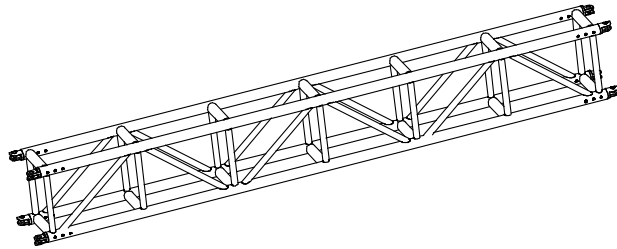


Date of issue:
2012

RF40 TRUSS SYSTEM TECHNICAL DATA



Description	Specification
External dimensions (height x width)	400 mm x 290 mm
Distance between axis	350 mm x 239 mm
Lengthways tubes	Extruded aluminium EN AW-6082 T6 – Ø50x3mm
Crossways tubes	Extruded aluminium EN AW-6082 T6 – Ø30x3mm
Connecting fork	Extruded aluminium EN AW-6082 T6
Welding process	TIG (UNI3834 / DIN4113)
Available length [cm]	100 – 200 – 300 – 400

Section Area [mm ²]	Moment of Inertia Y – axis [mm ⁴]	Moment of Inertia Z – axis [mm ⁴]	Allowable bending moment Y – axis [kNm]	Allowable bending moment Z – axis [kNm]	Selfweight (approx.) [N/m]
1772	54.754.407	25.793.827	-	-	90

span [m]	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} [kg/m]	q _{am} ·L [kg]	defl. mm	F _{am.} [kg]	F _{am.} [kg]	defl. mm	F _{am.} [kg]	2F _{am.} [kg]	defl. mm	F _{am.} [kg]	3F _{am.} [kg]	defl. mm	F _{am.} [kg]	4F _{am.} [kg]	defl. mm
3	1928	5785	5	2524	2524	4	1593	3186	4	1222	3665	4	1009	4038	5
4	1257	5029	11	2084	2084	7	1351	2702	8	1059	3176	9	887	3549	9
5	852	4262	18	1770	1770	12	1171	2343	14	932	2797	15	771	3084	16
6	616	3696	28	1537	1537	18	1032	2065	21	832	2496	24	666	2662	24
7	458	3205	38	1356	1356	26	920	1840	30	750	2250	34	585	2340	34
8	353	2822	50	1211	1211	35	830	1659	41	667	2000	45	519	2077	45
9	279	2515	64	1090	1090	45	754	1508	53	595	1786	58	467	1867	58
10	226	2264	80	990	990	57	690	1380	67	537	1610	73	423	1692	73
11	187	2054	98	905	905	70	634	1269	83	487	1462	88	386	1543	89
12	156	1875	117	832	832	85	586	1172	101	445	1336	106	354	1416	107
13	132	1721	138	768	768	101	544	1088	120	409	1227	125	326	1305	127
14	113	1586	160	711	711	119	505	1010	141	377	1131	146	302	1207	149
15	98	1467	185	660	660	138	471	942	164	349	1047	169	280	1120	172
16	85	1361	211	615	615	158	440	881	188	324	972	193	261	1042	197
17	74	1266	239	574	574	180	413	825	215	301	904	218	243	972	223
18	66	1180	268	536	536	204	387	774	243	281	843	246	227	908	252
19	58	1099	299	502	502	230	364	727	273	263	788	275	212	850	282
20	51	1026	331	471	471	257	342	684	305	245	736	306	199	796	314

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 static 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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