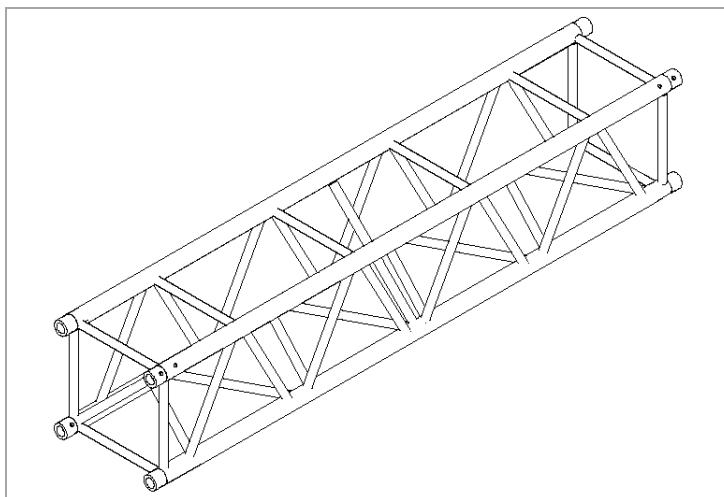
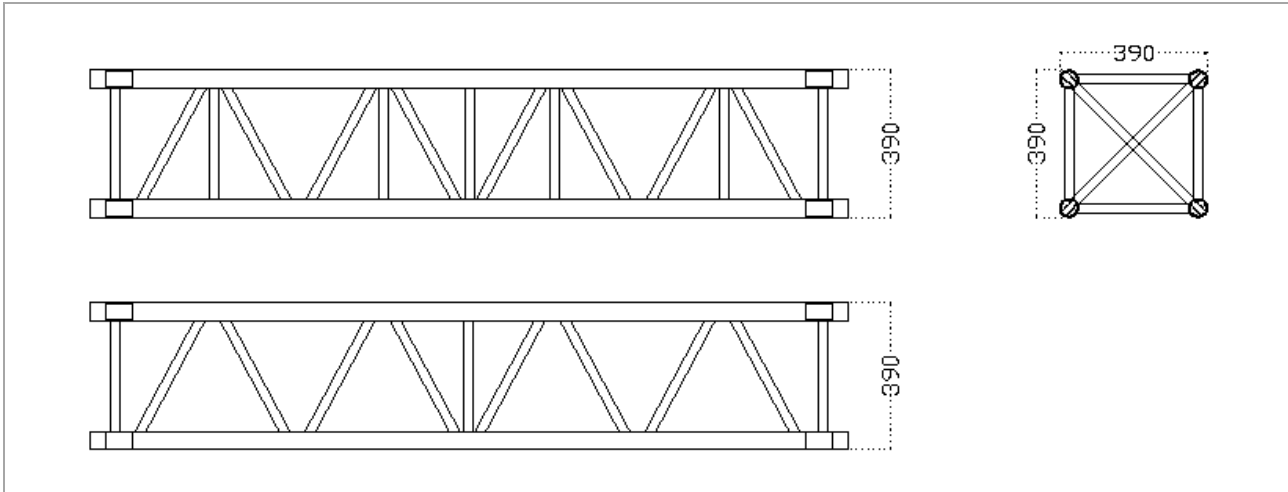


Square section high aluminium twist resistant version truss with 39 cm long sides
 Traliccio sezione **quadrata** lato 39 cm in alluminio- impieghi gravosi -



SQUARE SECTION TRUSS

Code	Length (cm)	weight (kg)
T40QP/400	400	36,097
T40QP/350	350	31,836
T40QP/300	300	27,447
T40QP/250	250	23,182
T40QP/200	200	18,187
T40QP/150	150	14,778
T40QP/100	100	10,519
T40QP/50	50	5,621

INERTIAL PROPERTIES

Area (A)	23.20 cm ²
Elastic modulus (E)	700.000 Kg / cm ²
Moment of inertia (I _{yy})	6705 cm ⁴
Elastic section modulus (W _y)	344 cm ³
Moment of inertia (I _{xx})	6705 cm ⁴
Elastic section modulus (W _x)	344 cm ³
Right weight	10.00 Kg/ml

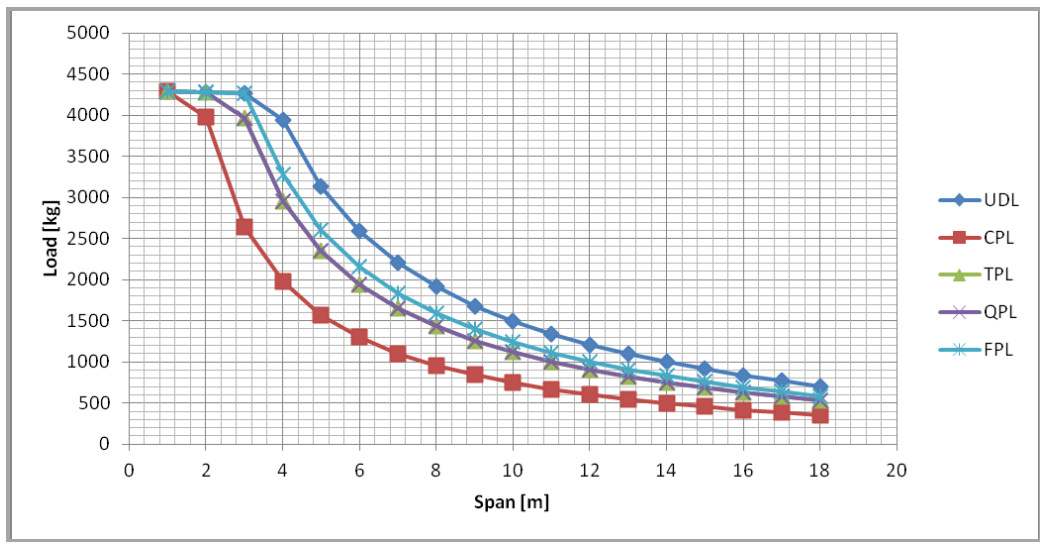
TECHNICAL DATA

Section:	Square sides 39 cm
Material:	Aluminium EN AW 6082 T6
Ends :	Fast conical connection system Aluminium EN AW 6082 T6
Connection:	SSF04T
Welding:	TIG UNI EN 9606-2:2006
Main tubes :	Ø50x4 mm (EN AW 6082 T6)
Diagonals:	Ø25x2 mm (EN AW 6082 T6)

TABLE OF MAXIMUM ALLOWABLE LOADS

T40QP: maximum load - no limit on deflection															
UNIFORMLY DISTRIBUTED LOAD UDL		CENTER POINT LOAD CPL			SINGLE THIRD POINT LOAD TPL			SINGLE QUARTER POINT LOAD QPL			SINGLE FIFTH POINT LOAD FPL				
Span [m]	q _{am} kg/m	q _{am} *L Kg	def. 0	F _{am} kg/m	F _{am} Kg	def. 0	F _{am} Kg	2*F _{am} Kg	def. 0	F _{am} Kg	3*F _{am} Kg	def. 0	F _{am} Kg	4*F _{am} Kg	def. 0
1	4286	4286	0,1	4286	4286	0,2	2143	4286	0,2	1429	4286	0,2	1072	4286	0,1
2	2138	4276	1	3975	3975	1	2138	4276	1	1425	4276	1	1069	4276	1
3	1422	4266	3	2642	2642	3	1981	3963	4	1321	3963	4	1067	4266	4
4	986	3945	7	1973	1973	6	1479	2959	7	986	2959	7	819	3275	7
5	628	3138	11	1569	1569	9	1177	2354	11	785	2354	11	651	2605	11
6	433	2597	16	1298	1298	13	974	1948	16	649	1948	15	539	2155	16
7	315	2207	22	1104	1104	17	828	1655	22	552	1655	21	458	1832	22
8	239	1913	28	956	956	23	717	1434	29	478	1434	27	397	1587	28
9	187	1681	36	841	841	29	630	1261	37	420	1261	34	349	1395	36
10	149	1494	44	747	747	36	560	1121	45	374	1121	42	310	1240	44
11	122	1339	54	670	670	44	502	1004	55	335	1004	51	278	1112	54
12	101	1208	64	604	604	52	453	906	65	302	906	61	251	1003	64
13	84	1096	75	548	548	61	411	822	76	274	822	71	227	910	75
14	71	999	87	499	499	71	374	749	88	250	749	83	207	829	87
15	61	913	100	456	456	82	342	685	101	228	685	95	189	758	100
16	52	836	113	418	418	94	314	627	115	209	627	108	174	694	114
17	45	768	128	384	384	107	288	576	130	192	576	123	159	637	128
18	39	706	143	353	353	120	265	529	146	176	529	138	146	586	144

The at the base of the table has been prepared in accordance with the UNI EN 1999-1-1. The allowable loads are net of the weight of the truss . The deflection includes the weight of the truss. The constraints must be considered as an ideal condition; It will be the customer's responsibility analyze the structure in the light of the actual conditions of load, constraint and use.



SQUARE TRUSS

