

FLAT SECTION TRUSS

Code	Length (cm)	weight (kg)
<u>T30TS/400</u>	400	22.30
<u>T30TS/350</u>	350	19.25
<u>T30TS/300</u>	300	16.60
<u>T30TS/250</u>	250	13.75
<u>T30TS/200</u>	200	11.00
<u>T30TS/150</u>	150	8.30
<u>T30TS/100</u>	100	5.65
<u>T30TS/50</u>	50	2.90
<u>T30TS/25</u>	25	2.10
<u>T30TS/10</u>	10	1.61

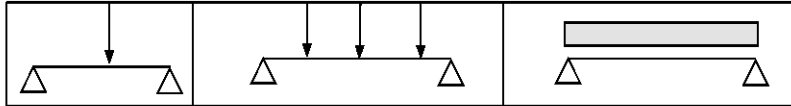
INERTIAL PROPERTIES

Area (A)	13.20 cm ²
Elastic modulus (E)	700.000 Kg / cm ²
Moment of inertia (I _{yy})	2950 cm ⁴
Moment of inertia (I _{xx})	2775 cm ⁴
Elastic section modulus (W _y)	173 cm ³
Elastic section modulus (W _x)	163 cm ³
Right weight	5.50 Kg/ml

TECHNICAL SPECIFICATION

Section:	Triangular side 39 cm
Material:	Aluminium EN AW 6082 T6
Ends :	Fast conical connection system Aluminium EN AW 6082 T6
Connection:	SSF03T
Welding:	TIG UNI EN 9606-2:2006
Main tubes :	Ø50x3 mm (EN AW 6082 T6)
Diagonals:	Ø20x2 mm (EN AW 6082 T6)

TABLE OF PERMISSIBLE LOADS



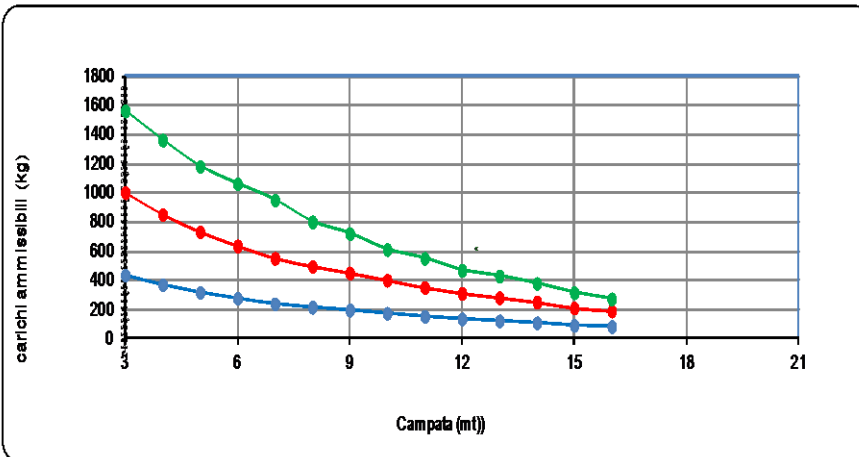
Light (mt)	Load (kg)	Central deflection (mm)	Load (kg)	Total Load (kg)	Central deflection (mm)	Load (kg)	Total Load (kg)	Central deflection (mm)
16	190	100	83	248	100	17	272	98
15	210	90	91	274	90	21	315	87
14	250	81	109	326	81	27	378	78
13	280	70	122	365	70	33	429	71
12	310	58	135	404	58	39	468	61
11	350	51	152	457	51	50	550	52
10	400	42	174	522	42	61	610	42
9	450	34	196	587	34	80	720	34
8	495	25	215	646	25	100	800	25
7	550	21	239	717	21	140	950	19
6	635	15	276	828	15	194	1060	13
5	730	9	317	952	9	240	1180	8
4	850	7	370	1109	7	340	1360	5
3	1000	3	435	1304	3	520	1560	3

The calculation at the base of the table has been prepared in accordance with the UNI EN 1999-1-1.

The book values shown are net of the weight of the single span.

The arrow includes the weight of the single span.

The framework must be considered as an ideal condition, will be the customer will analyze the structure in the light of the actual conditions of load, constraint and use



— uniform load
— Load L/2
— Load L/4