

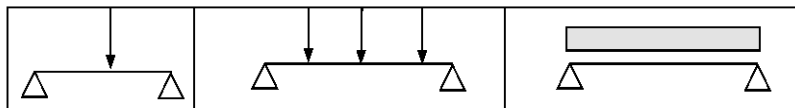
FLAT SECTION TRUSS		
Code	Length (cm)	weight (kg)
<u>T40PS/400</u>	400	14.80
<u>T40PS/350</u>	350	13.00
<u>T40PS/300</u>	300	11.20
<u>T40PS/250</u>	250	10.00
<u>T40PS/200</u>	200	8.10
<u>T40PS/150</u>	150	6.90
<u>T40PS/100</u>	100	5.10
<u>T40PS/50</u>	50	3.80

INERTIAL PROPERTIES	
Area (A)	8.84 cm ²
Elastic modulus (E)	700.000 Kg / cm ²
Moment of inertia (I _{yy})	2543 cm ⁴
Elastic section modulus (W _y)	130 cm ³
Right weight	3.90 Kg/ml

TECHNICAL SPECIFICATION	
Section:	Flat sides 40 cm
Material:	Aluminium EN AW 6082 T6
Ends :	Fast conical connection system Aluminium EN AW 6082 T6
Connection:	SSF02T
Welding:	TIG UNI EN 9606-2:2006
Main tubes :	Ø50x3 mm (EN AW 6082 T6)
Diagonals:	Ø20x2 mm (EN AW 6082 T6)

FLAT TRUSS

TABLE OF PERMISSIBLE LOADS



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

Lenght (mt)	Load (kg)	Central deflection (mm)	Load (kg)	Full Load (kg)	Central deflection (mm)	Load (kg)	Full Load (kg)	Central deflection (mm)
6	10	1,28	4	24,00	1,30	4	24	1,23
5	25	1,24	10	50,00	1,28	10	50	1,19
4	50	1,22	20	80,00	1,27	25	100	1,27
3	120	1,31	55	165,00	1,27	70	210	1,35
2	330	1,33	165	330,00	1,26	320	440	1,38
1	500	0,44	300	300,00	0,31	500	500	0,10

