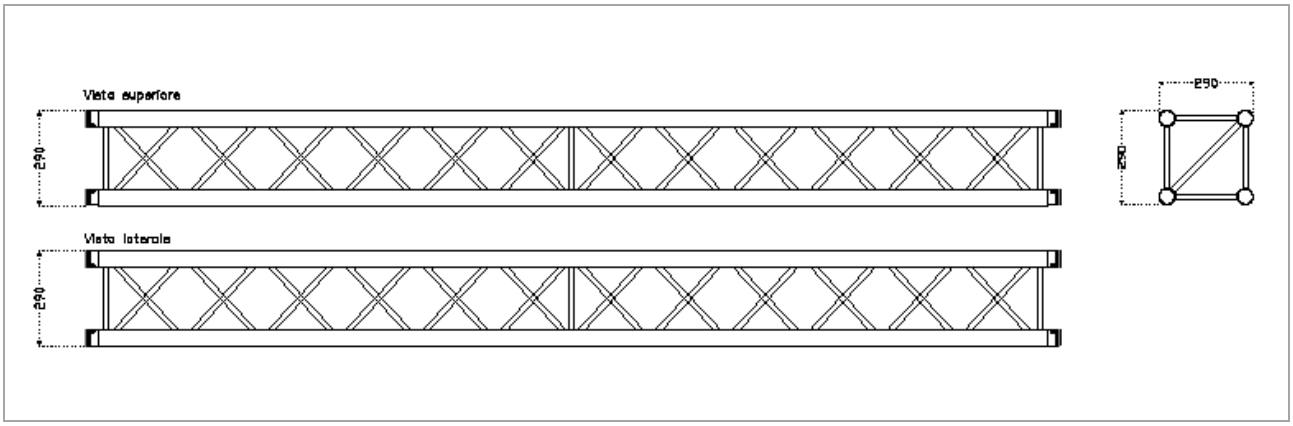
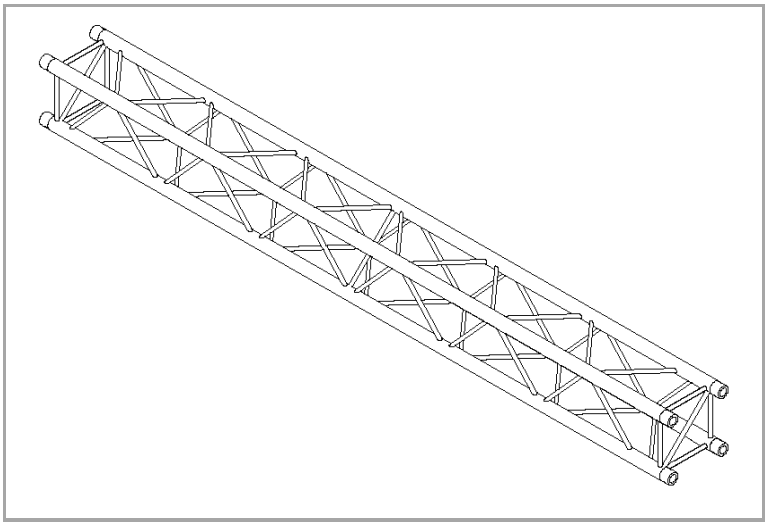
T30QS

Square section heavy duty aluminium truss twist resistant with **29** cm long sides

Traliccio sezione **quadrata** lato **29** cm in alluminio





SQUARE SECTION TRUSS

Code	Length (cm)	weight (kg)
T30QS/400	400	25,859
T30QS/350	350	22,831
T30QS/300	300	19,715
T30QS/250	250	16,687
T30QS/200	200	13,607
T30QS/150	150	10,631
T30QS/100	100	7,604
T30QS/50	50	4,173
T30QS/25	25	2,659
T30QS/10	10	1.60

INERTIAL PROPERTIES

Area (A)		17.60 cm2
Elastic modulus (E)	700.000	Kg / cm2
Moment of inertia (Iyy)		2535 cm4
Elastic section modulus (Wy)		175 cm3
Moment of inertia (Ixx)		2535 cm4
Elastic section modulus (Wx)		175 cm3
Right weight		6.00 Kg/ml

TECHNICAL DATA

Section:	Square sides 29 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 :	Ø50x3 mm (EN AW 6082 T6)
Diagonals:	Ø16x2 mm (EN AW 6082 T6)

SQUARE TRUSS

www.efestoproduction.com - info@efestoproduction.com

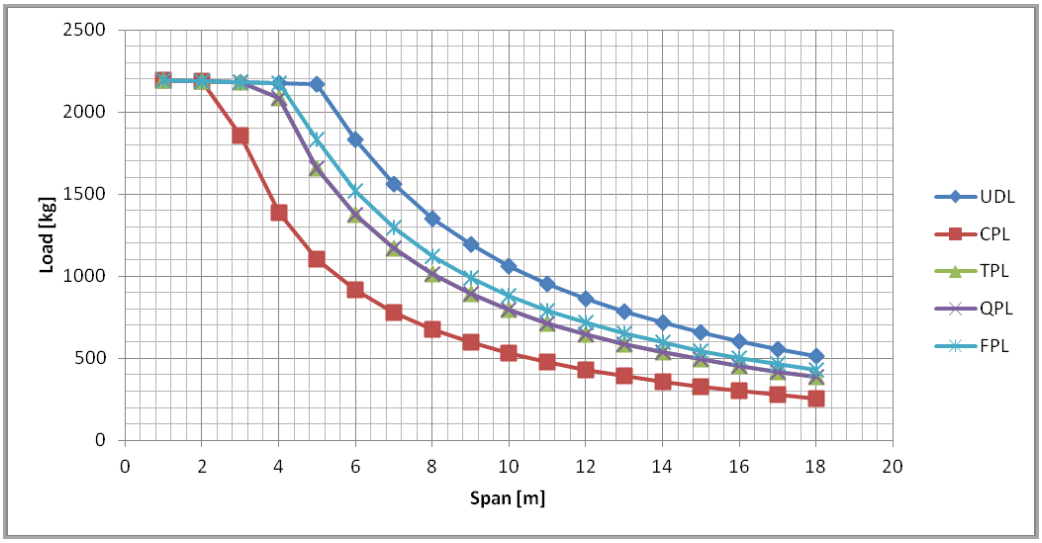
Efesto Production Srl Via Orta Loreto loc. Taurana 84012 Angri SA **Italy ISO 9001:2008 Certified Company**
Tel. +39 081 5187923 / +39 081 5156116 – Fax. +39 081 5165028

TABLE OF MAXIMUM ALLOWABLE LOADS

T30QS: maximum load - no limit on deflection

	UNIFORMLY DISTRIBUITED LOAD UDL			CENTER POINT LOAD CPL			SINGLE THIRD POINT LOAD TPL			SINGLE QUARTER POINT LOAD QPL			SINGLE FIFTHS POINT LOAD FPL		
Span	qam	qam*L	def.	Fam	Fam	def.	Fam	2*Fam	def.	Fam	3*Fam	def.	Fam	4*Fam	def.
[m]	kg/m	Kg	0	kg/m	Kg	0	Kg	Kg	0	Kg	Kg	0	Kg	Kg	0
1	2195	2195	0,2	2195	2195	0,3	1098	2195	0,2	732	2195	0,2	549	2195	0,2
2	1095	2189	1	2189	2189	2	1095	2189	2	730	2189	2	547	2189	2
3	728	2183	4	1859	1859	6	1092	2183	6	728	2183	6	546	2183	5
4	544	2177	10	1389	1389	11	1042	2083	13	694	2083	13	544	2177	12
5	434	2171	20	1106	1106	16	829	1658	21	553	1658	20	459	1835	21
6	305	1832	30	916	916	24	687	1374	30	458	1374	28	380	1520	30
7	223	1559	40	779	779	32	585	1169	41	390	1169	38	323	1294	40
8	169	1353	53	676	676	42	507	1015	54	338	1015	50	281	1123	53
9	132	1191	67	596	596	54	447	893	68	298	893	63	247	989	67
10	106	1061	82	530	530	67	398	795	84	265	795	78	220	880	83
11	87	953	99	476	476	81	357	715	102	238	715	95	198	791	100
12	72	862	118	431	431	97	323	646	121	215	646	113	179	715	119
13	60	784	139	392	392	114	294	588	142	196	588	133	163	651	139
14	51	716	161	358	358	132	269	537	164	179	537	154	149	595	162
15	44	657	185	329	329	152	246	493	189	164	493	177	136	545	186
16	38	604	210	302	302	174	227	453	215	151	453	201	125	502	211
17	33	557	238	279	279	197	209	418	242	139	418	228	116	462	238
18	29	515	266	257	257	222	193	386	271	129	386	255	107	427	267

The calculation 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

Efesto Production Srl Via Orta Loreto loc. Taurana 84012 Angri SA **Italy ISO 9001:2008 Certified Company**
Tel. +39 081 5187923 / +39 081 5156116 – Fax. +39 081 5165028