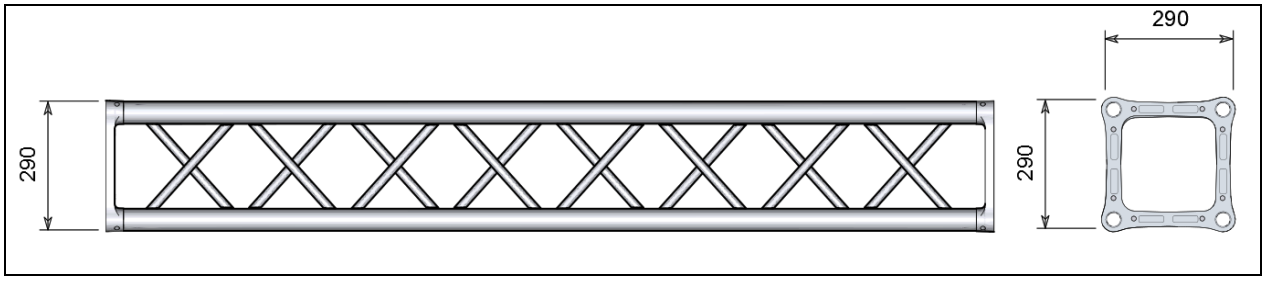
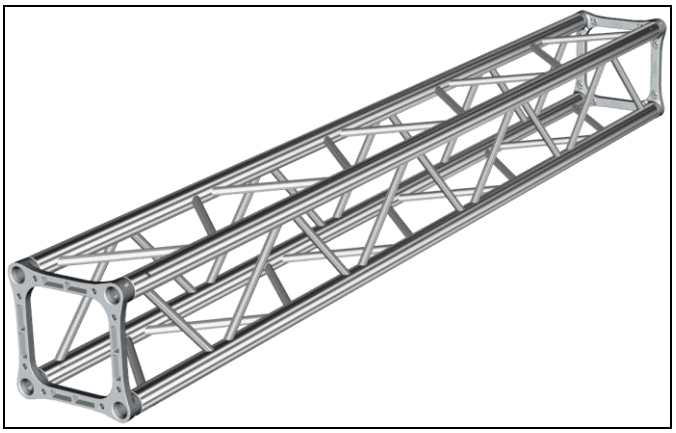
S30

Square section aluminium truss with **29 cm** long sides

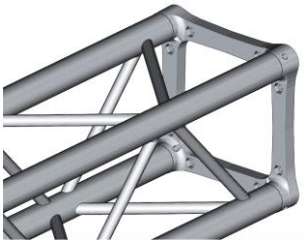
Traliccio sezione **quadrata** lato **29 cm,** in alluminio





SQUARE SECTION TRUSS

Code	Length (cm)	Weight (kg)
S30/400	400	26,50
S30/350	350	23,10
S30/300	300	20,30
S30/250	250	17,20
S30/200	200	14,10
S30/150	150	11,60
S30/100	100	8,20
S30/50	50	5,30
S30/25	25	3,55
S3021	21	3,40
S30/10	10	3,10



INERTIAL PROPERTIES

Area (A)	17,70 cm^2
Elastic modulus (E)	700000 kg / cm^2
Moment of inertia (Iyy)	2550 cm^4
Moment of inertia (Ixx)	2550 cm4
Elastic section modulus (Wy)	176 cm^3
Elastic section modulus (Wx)	176 cm3
Right weight (P)	7,00 kg/m

TECHNICAL DATA

Section:	Square 29 cm long sides
Material:	Aluminum EN AW 6082 T6
Ends :	Aluminum casting plate EN AC-42200 T6 with long insert *Security System*
Connection:	SSF04 - KB8
Welding:	TIG UNI EN 9606-2:2006
Main tubes :	Ø50x3 mm (EN AW-6082 T6)
Diagonals:	Ø20x2 mm (EN AW-6082 T6)

SQUARE TRUSS

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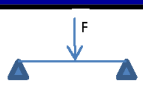
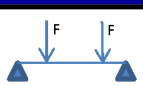
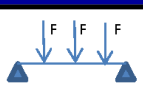
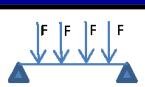
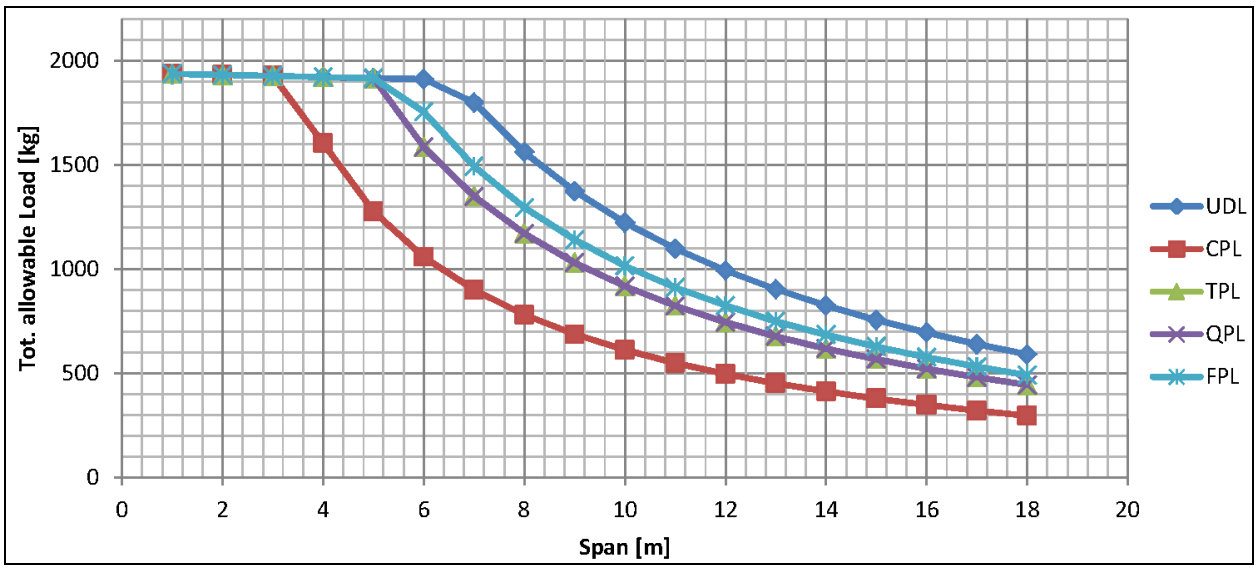
Square section aluminium truss with **29 cm** long sides
Traliccio sezione **quadrata** lato **29 cm,** in alluminio

TABLE OF MAXIMUM ALLOWABLE LOADS

											
	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]	[mm]	[kg]	[kg]	[mm]	[kg]	[kg]	[mm]	[kg]	[kg]	[mm]	[kg]	[kg]	[mm]
1	1936	1936	0	1936	1936	0	968	1936	0	645	1936	0	484	1936	0
2	965	1931	1	1931	1931	2	965	1931	2	644	1931	1	483	1931	1
3	642	1926	4	1926	1926	6	963	1926	5	642	1926	5	481	1926	5
4	480	1921	9	1603	1603	12	960	1921	12	640	1921	11	480	1921	11
5	383	1916	17	1276	1276	19	957	1913	24	638	1913	22	479	1916	21
6	318	1911	30	1056	1056	27	792	1585	34	528	1585	32	438	1754	33
7	257	1798	45	899	899	37	674	1348	46	449	1348	43	373	1492	46
8	195	1560	59	780	780	48	585	1170	61	390	1170	56	324	1295	59
9	153	1373	75	686	686	61	515	1030	77	343	1030	71	285	1140	75
10	122	1222	93	611	611	75	458	917	95	306	917	88	254	1014	93
11	100	1097	112	549	549	91	412	823	114	274	823	107	228	911	112
12	83	992	133	496	496	109	372	744	136	248	744	127	206	824	134
13	69	902	156	451	451	128	338	677	160	226	677	149	187	749	157
14	59	824	181	412	412	149	309	618	185	206	618	173	171	684	182
15	50	755	208	378	378	172	283	566	212	189	566	199	157	627	209
16	43	694	237	347	347	196	260	521	241	174	521	227	144	576	238
17	38	640	267	320	320	223	240	480	272	160	480	256	133	531	268
18	33	590	300	295	295	251	221	443	305	148	443	288	122	490	301

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

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