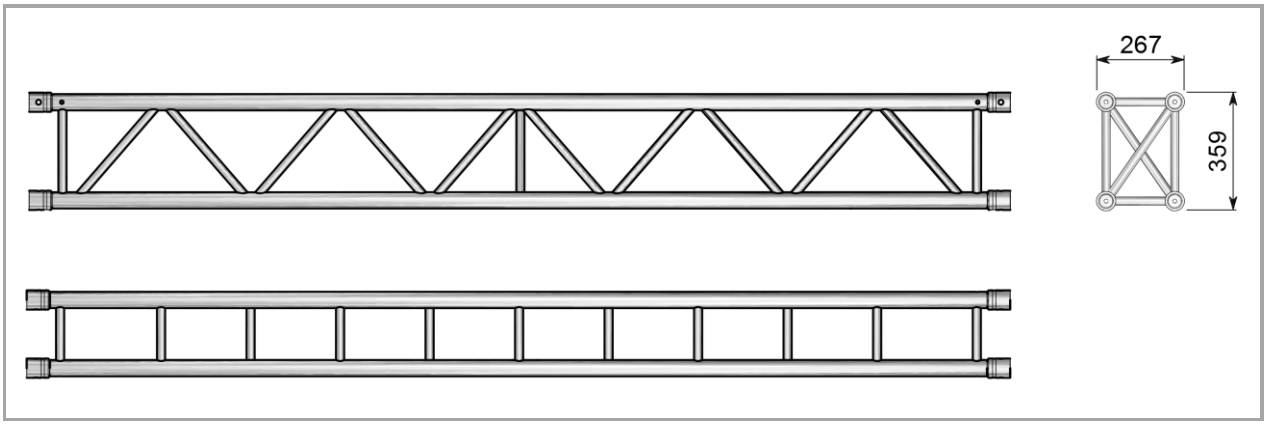
T36R

Rectangular section high load aluminium truss with 36x27cm long sides

Traliccio sezione rettangolare lato 36x27 cm



SQUARE SECTION TRUSS

Code	Length (cm)	weight (kg)
T36R/400	400	35,70
T36R/350	350	31,15
T36R/300	300	26,00
T36R/250	250	22,60
T36R/200	200	17,54
T36R/150	150	14,22
T36R/100	100	10,10
T36R/50	50	4,75

INERTIAL PROPERTIES

Area (A)		17.60 cm2
Elastic modulus (E)	700.000	Kg / cm2
Moment of inertia (Iyy)		5230 cm4
Elastic section modulus (Wy)		350 cm3
Moment of inertia (Ixx)		2539 cm4
Elastic section modulus (Wx)		245 cm3
Right weight		8.50 Kg/ml

TECHNICAL DATA

Section:	Rectangular section 36x27 cm
Material:	Aluminium EN AW 6082 T6
Ends :	Fast conical connection system Aluminium EN AW 6082 T6
Connection:	KT52Q
Welding:	TIG UNI EN 9606-2:2006
Main tubes :	Ø50x4 mm (EN AW 6082 T6)
Diagonals:	Ø25x3 mm (EN AW 6082 T6)

HIGH LOAD

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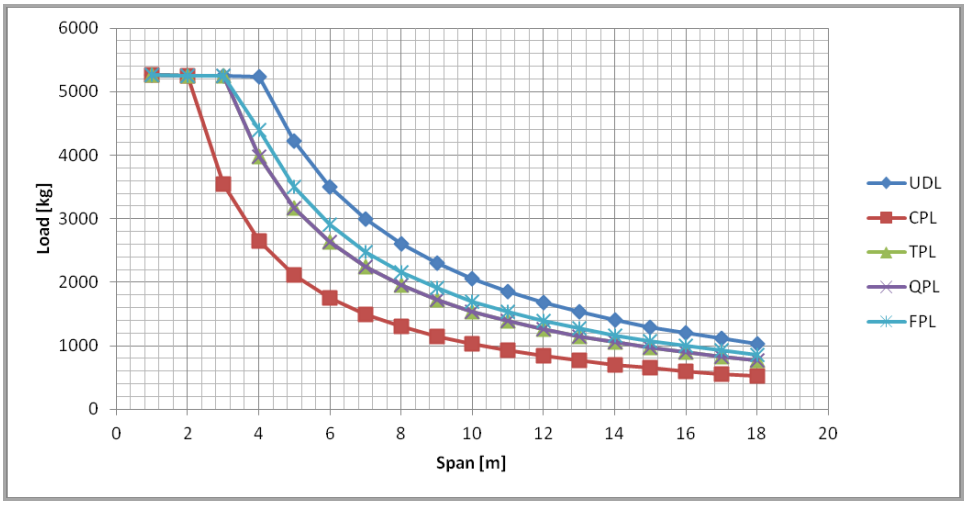
TABLE OF MAXIMUM ALLOWABLE LOADS

T36R: 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	5260	5260	0,2	5260	5260	0,3	2630	5260	0,3	1753	5260	0,2	1315	5260	0,2
2	2626	5252	1	5252	5252	2	2626	5252	2	1751	5252	2	1313	5252	2
3	1748	5243	5	3544	3544	5	2622	5243	7	1748	5243	6	1311	5243	6
4	1309	5235	12	2650	2650	10	1988	3976	12	1325	3976	12	1100	4400	12
5	845	4225	19	2113	2113	15	1585	3169	19	1056	3169	18	877	3507	19
6	584	3506	27	1753	1753	22	1315	2629	28	876	2629	26	727	2910	27
7	427	2989	37	1494	1494	30	1121	2242	38	747	2242	35	620	2481	37
8	325	2599	49	1300	1300	39	975	1950	50	650	1950	46	539	2158	49
9	255	2295	61	1147	1147	50	860	1721	63	574	1721	59	476	1904	62
10	205	2049	76	1024	1024	61	768	1537	78	512	1537	72	425	1701	76
11	168	1846	92	923	923	74	692	1385	94	462	1385	87	383	1533	92
12	140	1676	109	838	838	89	629	1257	112	419	1257	104	348	1391	110
13	118	1531	128	765	765	104	574	1148	131	383	1148	122	318	1271	129
14	100	1405	149	703	703	121	527	1054	152	351	1054	142	292	1166	149
15	86	1295	171	648	648	140	486	971	174	324	971	163	269	1075	171
16	75	1198	194	599	599	159	449	898	198	299	898	186	249	994	195
17	65	1111	219	555	555	181	417	833	224	278	833	210	230	922	220
18	57	1033	246	516	516	203	387	774	251	258	774	235	214	857	247

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.



HIGH LOAD

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