
**S76R MODULES**

Codice	Length [cm]	Weight [kg]
S76R/300	300	67.50
S76R/250	250	53.00
S76R/200	200	38.50
S76R/150	150	24.00
S76R/100	100	20.50
S76R/50	50	11.00

**INERTIA PROPERTIES**

Area (A)	23,12	cm <sup>2</sup>
Modulo Elastico (E)	700 000	kg/cm <sup>2</sup>
Momento d'inerzia (I <sub>y</sub> )	29238	cm <sup>4</sup>
Momento d'inerzia (I <sub>x</sub> )	7105	cm <sup>4</sup>
Modulo Di resistenza elastico (W <sub>y</sub> )	768	cm <sup>3</sup>
Modulo Di resistenza elastico (W <sub>x</sub> )	355	cm <sup>3</sup>
Peso proprio (P)	22,50	kg/m

**TECHNICAL DATA**

Section:	Rectangular 76 x 40 cm
Material:	Aluminium EN AW-6082 T6
Ends:	Male-femal fork joint
Connection:	K52
Welding:	TIG (UNI EN 9606-2: 2006)
Main tubes (chords):	Ø 50 x 4 mm
Diagonals :	Ø 30 x 3,5 mm
Braces :	Ø 50 x 4 mm

**HIGH LOAD**

Traliccio antitorsivo sez. rettangolare lato 76 cm  
 Rectangular section truss twist-resistant with 76 cm long sides

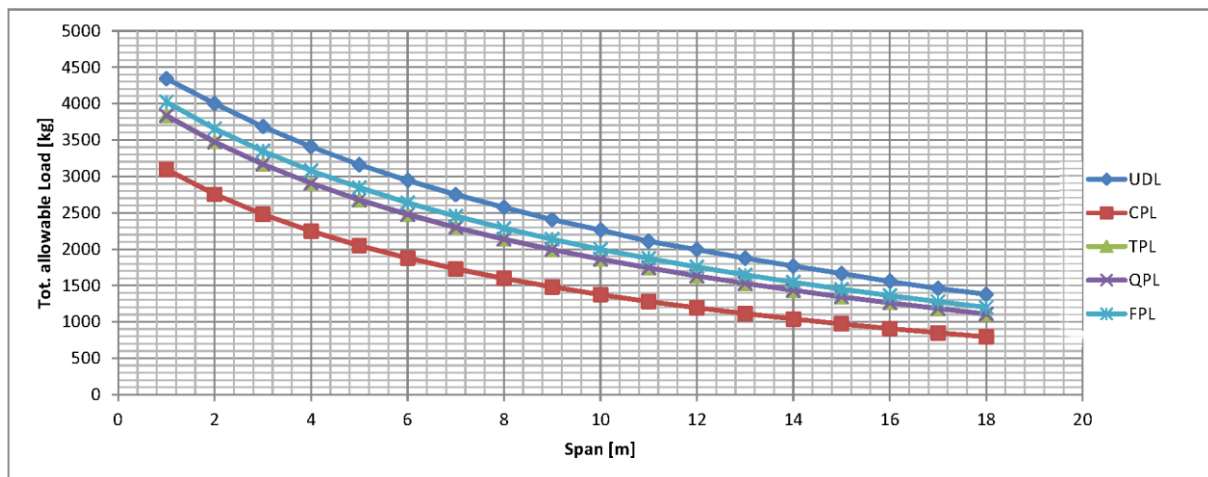
S76R: maximum allowable loads															
UNIFORMLY DISTRIBUTED LOAD UDL			CENTER POINT LOAD CPL			SINGLE THIRD POINT LOAD TPL			SINGLE QUARTER POINT LOAD QPL			SINGLE FIFTHS POINT LOAD FPL			
Span [m]	q <sub>am</sub> [kg/m]	q <sub>am</sub> *L [kg]	def. [mm]	F <sub>am</sub> [kg]	F <sub>am</sub> [kg]	def. [mm]	F <sub>am</sub> [kg]	2*F <sub>am</sub> [kg]	def. [mm]	F <sub>am</sub> [kg]	3*F <sub>am</sub> [kg]	def. [mm]	F <sub>am</sub> [kg]	4*F <sub>am</sub> [kg]	def. [mm]
5	868	4342	3	3096	3096	3	1919	3837	3	1278	3835	3	1006	4023	3
6	667	4000	4	2753	2753	5	1737	3473	5	1157	3470	5	914	3655	5
7	526	3684	6	2477	2477	7	1583	3167	7	1056	3167	7	837	3347	7
8	426	3407	9	2245	2245	9	1452	2904	10	968	2904	9	769	3078	10
9	351	3160	12	2048	2048	12	1338	2676	13	892	2675	13	711	2845	13
10	294	2945	15	1877	1877	16	1238	2475	17	825	2476	16	659	2637	16
11	250	2749	19	1728	1728	19	1148	2297	22	766	2297	20	613	2453	21
12	214	2573	24	1597	1597	23	1068	2137	26	712	2136	25	572	2286	25
13	185	2405	29	1481	1481	28	997	1993	32	664	1993	30	534	2135	30
14	162	2262	34	1375	1375	33	931	1862	38	621	1862	35	499	1996	36
15	140	2107	40	1280	1280	39	871	1741	44	581	1742	41	468	1873	42
16	125	1993	46	1193	1193	45	815	1631	51	544	1631	48	439	1755	49
17	110	1874	53	1114	1114	51	764	1528	58	510	1529	55	412	1646	56
18	98	1767	61	1041	1041	58	717	1433	66	478	1434	62	387	1546	64
19	88	1664	69	973	973	66	672	1344	75	448	1343	70	362	1450	72
20	78	1555	77	909	909	73	630	1261	84	421	1262	79	341	1362	81
21	69	1459	86	850	850	82	591	1182	93	394	1182	88	319	1278	90
22	63	1379	96	795	795	91	554	1108	103	369	1108	98	300	1199	100

Load table has been prepared in accordance with UNI ENV 1999-1-1.

The values shown in the table are the allowable static loads that can be applied to the truss.

The deflection is calculated taking into account the self weight of the truss.

The load scheme should be considered as an ideal conditions and the user shall analyze the structures for the actual loading, constraints and application conditions.



**HIGH LOAD**

