

S52V and S52SV - Allowable Loading

SPAN		Uniformly Distributed Load		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN		
		UDL				CPL		DEFLECTION		TPL		QPL		TPL				
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	kgs	lbs	total weight
3	9.8	1904,3	1281.4	5	0.19	5193,9	11462.8	4	0.15	2856,5	6304.3	1896,8	4186.3	1428,2	3152.1			45,0
4	13.1	1424,5	958.5	9	0.35	3882,3	8568.2	7	0.27	2849,0	6287.7	1889,3	4169.7	1424,5	3143.9			60,0
5	16.4	1136,6	764.8	13	0.51	3092,3	6824.7	11	0.43	2319,2	5118.5	1546,2	3412.4	1283,3	2832.3			75,0
6	19.7	854,4	574.9	19	0.74	2563,2	5656.9	15	0.59	1922,4	4242.7	1281,6	2828.5	1063,7	2347.6			90,0
7	23.0	623,7	419.7	26	1.02	2183,1	4818.1	21	0.82	1637,3	3613.5	1091,5	2409.0	906,0	1999.5			105,0
8	26.2	474,0	319.0	34	1.33	1896,1	4184.8	27	1.06	1422,1	3138.6	948,1	2092.4	786,9	1736.7			120,0
9	29.5	371,4	249.9	43	1.69	1671,3	3688.5	35	1.37	1253,5	2766.4	835,6	1844.3	693,6	1530.7			135,0
10	32.8	298,0	200.5	53	2.08	1489,9	3288.2	43	1.69	1117,4	2466.2	745,0	1644.1	618,3	1364.6			150,0
11	36.1	243,7	164.0	65	2.55	1340,1	2957.7	52	2.04	1005,1	2218.3	670,1	1478.8	556,2	1227.4			165,0
12	39.4	202,3	136.2	77	3.03	1214,1	2679.5	62	2.44	910,6	2009.6	607,0	1339.7	503,8	1112.0			180,0
13	42.6	170,2	114.5	90	3.54	1106,3	2441.5	72	2.83	829,7	1831.2	553,1	1220.8	459,1	1013.2			195,0
14	45.9	144,7	97.4	105	4.13	1012,8	2235.2	84	3.30	759,6	1676.4	506,4	1117.6	420,3	927.6			210,0
15	49.2	124,1	83.5	120	4.72	930,8	2054.2	96	3.77	698,1	1540.7	465,4	1027.1	386,3	852.5			225,0
16	52.5	107,3	72.2	137	5.39	858,1	1893.8	109	4.29	643,5	1420.3	429,0	946.9	356,1	785.9			240,0
17	55.8	93,3	62.8	154	6.06	793,0	1750.2	123	4.84	594,8	1312.7	396,5	875.1	329,1	726.3			255,0
18	59.0	81,6	54.9	173	6.81	734,4	1620.8	138	5.43	550,8	1215.6	367,2	810.4	304,8	672.6			270,0
19	62.3	71,7	48.2	193	7.59	681,1	1503.3	154	6.06	510,9	1127.4	340,6	751.6	282,7	623.9			285,0
20	65.6	63,2	42.6	214	8.42	632,5	1395.8	171	6.73	474,3	1046.9	316,2	697.9	262,5	579.3			300,0
21	68.9	56,0	37.7	235	9.25	587,7	1297.0	188	7.40	440,8	972.8	293,8	648.5	243,9	538.3			315,0
22	72.2	49,7	33.4	258	10.15	546,3	1205.7	207	8.14	409,7	904.3	273,2	602.9	226,7	500.4			330,0
23	75.4	44,2	29.7	282	11.10	507,9	1120.9	226	8.89	380,9	840.7	253,9	560.5	210,8	465.2			345,0
24	78.7	39,3	26.5	307	12.08	472,0	1041.8	246	9.68	354,0	781.4	236,0	520.9	195,9	432.3			360,0

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte Customer Service
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading setup use the KYLo programme
- Prolyte Structures can create custom-made pieces on request



S52SV
 Mark approval certificate No. 2993/05.
 Test report No. 2992/05.
 TUV certification only valid for loading table above.



S52V
 Mark approval certificate No. 2991/05.
 Test report No. 2990/05.
 TUV certification only valid for loading table above.