

S36 PRT- Allowable Loading

SPAN		Uniformly Distributed Load		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										WEIGHT	
						Centre Point Load		Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fifth Points Load per Point					
m	ft	kg/m	lbs/ft	mm	inch	CPL		DEFLECTION		TPL		QPL		FPL		kgs	lbs
						kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	kgs	lbs
4.00	13.1	1200.6	807.8	13	0.5	2436.5	5377.3	11	0.4	1827.3	4033.0	1218.2	2688.6	1015.2	2240.5	96.7	213.0
5.00	16.4	770.2	518.3	21	0.8	1925.6	4249.8	17	0.7	1444.2	3187.3	962.8	2124.9	802.3	1770.7	122.9	270.7
6.00	19.7	526.9	354.5	30	1.2	1580.6	3488.5	24	1.0	1185.5	2616.4	790.3	1744.2	658.6	1453.5	149.1	328.4
7.00	23.0	380.1	255.8	41	1.6	1330.5	2936.4	33	1.3	997.9	2202.3	665.3	1468.2	554.4	1223.5	175.3	386.1
8.00	26.2	284.9	191.7	53	2.1	1139.6	2515.2	44	1.7	854.7	1886.4	569.8	1257.6	474.8	1048.0	201.5	443.8
9.00	29.5	219.6	147.8	67	2.7	988.3	2181.1	55	2.2	741.2	1635.8	494.1	1090.5	411.8	908.8	227.7	501.5
10.00	32.8	172.9	116.3	83	3.3	864.5	1908.1	69	2.7	648.4	1431.0	432.3	954.0	360.2	795.0	253.9	559.3
11.00	36.1	138.4	93.1	101	4.0	760.9	1679.4	84	3.3	570.7	1259.5	380.5	839.7	317.1	699.7	280.1	617.0
12.00	39.4	112.1	75.4	120	4.7	672.4	1484.0	101	4.0	504.3	1113.0	336.2	742.0	280.2	618.3	306.3	674.7
13.00	42.6	91.6	61.6	141	5.5	595.5	1314.3	119	4.7	446.6	985.7	297.8	657.1	248.1	547.6	332.5	732.4
14.00	45.9	75.4	50.7	163	6.4	527.7	1164.6	139	5.5	395.8	873.5	263.9	582.3	219.9	485.3	358.7	790.1
15.00	49.2	62.3	41.9	187	7.4	467.2	1031.1	161	6.3	350.4	773.3	233.6	515.6	194.7	429.6	384.9	847.8
16.00	52.5	51.6	34.7	213	8.4	412.6	910.6	185	7.3	309.5	683.0	206.3	455.3	171.9	379.4	411.1	905.5
17.00	55.8	42.7	28.7	241	9.5	362.9	801.0	211	8.3	272.2	600.7	181.5	400.5	151.2	333.7	437.3	963.2
18.00	59.0	35.3	23.7	270	10.6	317.3	700.2	239	9.4	238.0	525.2	158.6	350.1	132.2	291.8	463.5	1020.9
19.00	62.3	29.0	19.5	301	11.8	275.1	607.1	269	10.6	206.3	455.3	137.5	303.5	114.6	253.0	489.7	1078.6
20.00	65.6	23.6	15.9	333	13.1	235.8	520.4	302	11.9	176.8	390.3	117.9	260.2	98.2	216.8	515.9	1136.3

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

WHEN DOLLIES ARE NOT MOUNTED ON THE TRUSS THE LOADING COULD BE INCREASED WITH 12 KG PER METER

- Tüv certification only valid for loading table above.
- Loading figures are only valid for static loads.
- Loading figures are only valid for single spans with supports at both ends.
- All static systems, other than single spans, need an individual structural calculation. Please contact a structural engineer or Prolyte Group for assistance.
- Loading figures are calculated according to and in full compliance with European standards (Eurocode).
- The self-weight of the trusses is already taken into account.
- Loading figures are only valid for the cross sectional orientation of the truss as shown by the icon in the loading table.
- The interaction between bending moment and shear force at the connection point is already taken into account.
- Truss spans can be assembled from different truss lengths.
- Read the manual before assembling, using and loading the truss.

