

P32 TRUSS LOADING CHART

The following table applies provided that the truss is secured against lateral buckling every 1.0 m. The load may only be applied on the bottom chord!

Span width		Uniformly distributed load UDL			Centre point load CPL			Third point load TPL		Quarter point load QPL		Fifth point load FPL	
m	ft	kg/m	lbs/ft	cm	kg	lbs	cm	kg	lbs	kg	lbs	kg	lbs
2	6,56	329	221	0,19	658	1451	0,33	329	725	219	483	164	362
3	9,84	218	146	0,50	646	1426	0,83	328	723	218	482	164	361
4	13,12	163	109	1,06	483	1065	1,29	326	720	217	480	163	360
5	16,40	130	87	1,95	384	847	1,89	288	635	192	423	160	353
6	19,69	106	71	3,21	318	701	2,63	238	526	159	350	132	292
7	22,97	77	51	4,29	270	596	3,50	203	447	135	298	112	248
8	26,25	58	39	5,54	234	517	4,52	176	388	117	258	97	215
9	29,53	45	30	6,95	206	455	5,68	154	341	103	227	86	189
10	32,81	36	24	8,54	183	405	6,99	137	303	91	202	76	168
11	36,09	29	20	10,30	164	363	8,44	123	272	82	181	68	151
12	39,37	24	16	12,23	149	328	10,50	111	246	74	164	62	136

The following table applies in case the truss is held only at the ends.

Span width		Uniformly distributed load UDL			Centre point load CPL			Third point load TPL		Quarter point load QPL		Fifth point load FPL	
m	ft	kg/m	lbs/ft	cm	kg	lbs	cm	kg	lbs	kg	lbs	kg	lbs
1	3,28	660	443	0,05	660	1456	0,10	330	728	220	485	165	364
2	6,56	329	221	0,19	534	1178	0,27	329	725	219	483	164	362
3	9,84	117	78	0,27	175	387	0,23	131	290	87	193	73	161
4	13,12	36	24	0,25	73	162	0,21	55	122	36	81	30	67
5	16,4	14	9	0,24	35	77	0,21	26	58	17	38	14	32

NOTES:

- Tuv certification only valid for loading table above.
- The values are characteristic according to Eurocode (European standards). Partial safety factors (1,35/1,5) are considered.
- Interaction of internal forces at connector are considered.
- The table data have no limitation of deflection.
- The loads are only valid for static loads. The system is perfect and secured against lateral buckling.
- All static systems, other than single spans, need an individual structural calculation. Please contact a structural engineer.
- The self-weight of the truss system is considered.
- Loading figures are only valid for single spans with supports at both ends.
- The deflection is calculated for a single truss spann.
- Load application occurs directly in the nodes and both framework sides are loaded equally.
- The values are only valid for the single span girders analysed here. Complex structures are not covered by this!
- Read the manual before assembling, using and loading the truss.

SPECIFICATIONS

CHORDS Ø50x2mm

BRACES Ø16x2mm

DIMENSIONS 290x500mm

