

X30V Circular truss - Allowable Loading

Diameter		3 Suspension Points				4 Suspension Points				6 Suspension Points				8 Suspension Points				10 Suspension Points			
		UDL		CPL		UDL		CPL		UDL		CPL		UDL		CPL		UDL		CPL	
m	ft	kg/m	lbs/ft	kg	lbs	kg/m	lbs/ft	kg	lbs	kg/m	lbs/ft	kg	lbs	kg/m	lbs/ft	kg	lbs	kg/m	lbs/ft	kg	lbs
4	13.1	189	127,0	576	1272,4	306	205,9	759	1676,0	548	369,1	1003	2213,1	787	529,5	1135	2505,1	1020	686,4	1210	2670,7
6	19.7	103	69,1	445	982,4	176	118,7	619	1366,2	337	227,0	882	1947,0	499	335,8	1043	2302,5	657	442,4	1141	2518,4
8	26.2	64	43,4	362	798,5	116	78,2	522	1151,7	235	157,8	787	1737,1	357	240,0	965	2129,6	477	321,1	1079	2382,1
10	32.8	44	29,6	304	671,4	82	55,5	450	994,2	175	117,5	710	1567,2	272	183,3	897	1980,3	370	248,8	1024	2259,5
12	39.4	32	21,2	262	578,3	62	41,4	392	865,6	136	91,5	606	1338,8	217	146,1	817	1804,0	299	200,9	973	2148,5
14	45.9	23	15,8	230	507,2	45	30,2	329	726,9	105	71,0	515	1137,5	178	119,9	697	1538,7	248	167,0	877	1936,2

This loading figure is based on Uniformly Divided Suspension Points and a suspended load in each of the fields. In all other cases, this loading data is NOT valid. If loads are unevenly divided, instability will occur. For more details and loading figures of other diameters, please contact our engineering department.

- The absence of diagonal braces at the top and/or bottom side of the truss means a dramatic reduction in the allowable loading; a structural report per situation is required for these models.
- Loading figures are based on Eurocode; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85.
- Truss orientation apex-up/down. Truss 100% horizontal.