

H30V 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	188	126,3	575	1268,3	305	205,2	757	1671,9	547	368,4	1001	2209,5	786	528,8	1133	2502,1	1019	685,7	1209	2668,1
6	19.7	102	68,4	443	977,6	175	118,0	617	1361,3	336	226,3	880	1942,3	498	335,1	1041	2298,3	656	441,7	1139	2514,8
8	26.2	63	42,7	359	793,3	115	77,5	519	1146,1	233	157,1	784	1731,5	356	239,3	962	2124,4	476	320,4	1077	2377,5
10	32.8	43	28,8	302	665,9	81	54,8	448	988,2	174	116,8	707	1560,9	271	182,6	894	1974,3	369	248,0	1021	2254,0
12	39.4	30	20,5	259	572,6	60	40,7	393	867,4	135	90,8	643	1419,9	216	145,4	835	1843,3	297	200,2	970	2142,3
14	45.9	22	15,1	227	501,3	46	31,3	350	772,0	108	72,8	590	1301,6	177	119,2	783	1728,0	247	166,3	924	2040,7

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.