

H40D 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	179	120,8	521	1149,1	304	204,6	717	1582,1	573	385,8	1007	2223,4	842	567,0	1181	2607,6	1106	744,4	1286	2838,1
6	19.7	94	63,3	390	861,4	170	114,2	565	1247,4	344	231,7	859	1897,0	526	353,7	1060	2339,4	705	474,3	1190	2627,1
8	26.2	58	38,7	312	687,7	109	73,3	466	1028,4	235	157,9	749	1653,3	370	249,2	961	2120,7	506	340,5	1108	2444,9
10	32.8	38	25,8	259	571,5	76	51,0	396	874,0	172	115,6	619	1367,4	279	187,8	833	1838,9	388	261,2	1036	2286,0
12	39.4	27	18,2	221	488,3	52	35,2	329	726,1	122	82,2	512	1129,6	220	147,8	691	1525,0	311	209,0	868	1917,2
14	45.9	20	13,2	191	422,5	38	25,3	275	607,3	89	59,8	434	958,2	161	108,1	589	1299,6	253	170,2	742	1637,3

This loading figures 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 visit our website.

- 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.