

### S36V 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	485	326,7	1535	3388,7	766	515,6	1963	4333,2	1335	898,3	2495	5508,5	1891	1272,4	2769	6111,7	2435	1638,5	2919	6443,6
6	19.7	270	182,0	1211	2673,4	451	303,3	1636	3612,3	832	559,8	2236	4936,2	1209	813,8	2580	5694,5	1579	1062,4	2780	6137,6
8	26.2	173	116,4	998	2203,1	302	202,9	1401	3093,3	585	393,7	2025	4469,3	871	586,4	2414	5329,2	1152	775,4	2654	5858,5
10	32.8	117	78,6	816	1800,9	214	144,3	1123	2478,0	440	296,2	1721	3799,3	670	451,1	2268	5006,7	897	603,9	2538	5602,8
12	39.4	79	52,9	658	1452,5	146	98,4	919	2028,8	340	228,7	1423	3142,0	538	362,0	1919	4235,3	729	490,3	2410	5320,8
14	45.9	55	37,3	542	1196,1	105	70,8	771	1702,3	247	166,5	1209	2668,7	444	299,0	1636	3612,0	609	409,5	2059	4546,0

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.