

14x24x96 Truss Allowable Service Loads And Associated Deflections (Notes 1, 2, 3)

Span (ft.)	Uniform Load			Point Load at Center		Point Loads at 1/3 Points		Point Loads at 1/4 Points		Selfweight	
	Load (lbs./ft)	Load (lbs.)	Maximum Deflection (in.)	Load (lbs.)	Maximum Deflection (in.)	Load (lbs.)	Maximum Deflection (in.)	Load (lbs.)	Maximum Deflection (in.)	Load (lbs.)	Maximum Deflection (in.)
8	665	5,320	0.187	2,065	0.142	1,690	0.166	1,335	0.180	-	0.001
16	555	8,880	0.677	4,345	0.602	1,490	0.328	2,070	0.627	-	0.011
24	295	7,080	1.584	2,085	0.865	2,550	1.545	1,440	1.240	-	0.048
32	125	4,000	2.083	2,490	2.131	1,335	1.948	1,070	2.132	-	0.144
40	63	2,520	2.665	1,520	2.661	935	2.659	635	2.662	-	0.342
48	33	1,584	3.186	980	3.189	580	3.179	425	3.242	-	0.699

Notes:

- 1) The load shown is the allowable load that the truss can support at the given span based on either truss strength or truss deflection limited to span/180.
- 2) The trusses indicated are standalone only. They have not been analysed in a stage configuration.
- 3) The truss capacities are meant for lighting and equipment loads only. Occupancy loads have not been considered and the trusses are not modeled as a work platform or a catwalk.