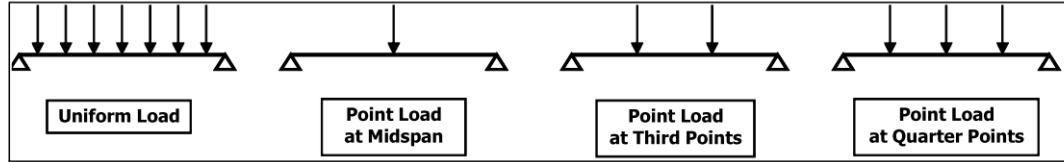


CHRISTIE LITES

ALLOWABLE LOAD DATA


CHRISTIE LITES 16" TYPE B TRUSS with LINK BARS



No. of Sections ¹	Max Span ² (ft)	Uniform Load ³			Maximum Allowable Point Loads ^{4, 5, 6}					
					Center Point		Third Point		Quarter Point	
		Load (plf)	Total Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)	Load (lbs)	Deflection (in)
1	8'-0"	825	6600	0.14	3300	0.11	2 x 2400	0.13	3 x 1400	0.12
2	16'-0"	200	3200	0.54	1600	0.42	2 x 1200	0.54	3 x 700	0.48
3	24'-0"	90	2160	1.20	1080	0.96	2 x 800	1.21	3 x 450	1.08
4	32'-0"	50	1600	2.10	800	1.68	2 x 560	2.01	3 x 350	1.99

FOOTNOTES

- 1) Number of sections assumes 8'-0" truss lengths. For alternate lengths of truss sections, use the closest maximum span that is greater than or equal to the actual truss span to determine acceptable loading.
- 2) Span indicates distance between truss supports. Link Bar Truss Circles shall be supported at quarter points or every 4 sections, whichever is more frequent.
- 3) Uniform load shall be evenly distributed between both truss chords. Loads may be applied to either top or bottom chords. Loads may not be hung directly from link bars.
- 4) Concentrated loads shall be hung from truss panel points only. Concentrated loads may not be hung directly from link bars.
- 5) Concentrated loads shall have a minimum of two truss support points, evenly distributed between left and right chords. Loads may be hung from either the top or bottom chords.
- 6) For point loads at intervals not indicated, use equivalent uniform load to determine capacity.
- 7) When using one pair of link bars, truss sections shall be spliced together using (6) 5/8" diameter grade 8 thru bolts.
- 8) Capacity of additional support structures, bracing, components or connections are outside the scope of this analysis. Truss supports shall be assumed to provide no fixity or moment resistance at the ends of trusses.
- 9) Truss assemblies shall not be supported directly at link bar.

	Link Bar Type	Approx Length of Link Bar	Uniform Load	Concentrated Loads
		7.5-degree	1.83"	Allowable load capacity as shown in 16" Type B with Link Bar truss span tables. Note that uniform loads must be hung from trusses only and may not be directly hung from link bar.
	15-degree	3.66"		
	22.5-degree	5.47"		
	30-degree	7.25"		
	45-degree	10.72"		
	60-degree	14.0"		
	90-degree	19.8"		