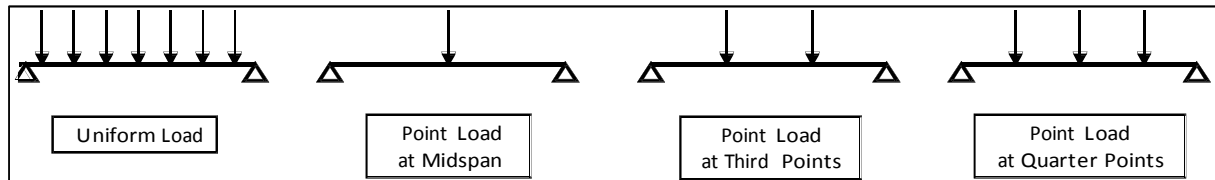


CHRISTIE LITES

ALLOWABLE LOAD DATA

CHRISTIE LITES 12" CURVED TYPE A TRUSS - 18'-0 3/4" DIAMETER



No. of Sections	Span ² (ft)	Uniform Load ³			Maximum Allowable Concentrated 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	7.1	270	1917	0.06	800	0.04	2 x 400	0.02	3 x 300	0.07
2	14.2	130	1846	0.48	600	0.32	2 x 250	0.10	3 x 250	0.47

FOOTNOTES

- 1) Curved trusses shall be used in the horizontal position only.
- 2) Span indicates distance between truss supports - completed 18'-0 3/4" curved truss assemblies shall be supported at quarter points minimum.
- 3) Maximum uniformly distributed load that may be supported by a single horizontal 2" pipe is 190 plf. Uniform load shall be distributed equally to bottom chord and/or top chord members to the greatest extent possible.
- 4) Maximum single concentrated point load that may be supported by a single horizontal 2" pipe is 400 lbs.
- 5) For point loads at intervals not indicated, use equivalent uniform load to determine capacity.
- 6) Concentrated loads shall be hung from chord members only. Each concentrated load shall have two or four truss support points, equally distributed between both bottom chords.
- 7) Truss sections shall be spliced together using (4) - 5/8" diameter grade 8 thru bolts.
- 8) Capacity of additional support structures, components or connections are outside the scope of this analysis.