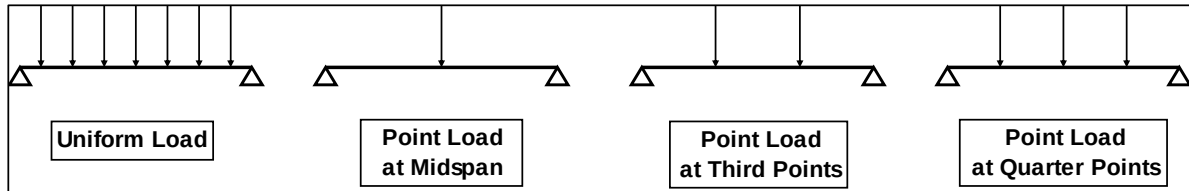


Swing Wing 24 Span Table
October 15, 2010

ALLOWABLE LOAD DATA
CHRISTIE LITES "SWING WING 24" TRUSS



Number of Sections	Span ¹ (ft)	Maximum Allowable Point Loads ^{6, 7}								
		Uniform Load ^{2, 4, 5}			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	10	1325	13250	0.15"	11500	0.1"	2 x 8500	0.1"	3 x 5500	0.1"
2	20	785	15700	0.45"	7500	0.35"	2 x 5000	0.35"	3 x 3600	0.35"
3	30	315	9450	0.55"	4200	0.55"	2 x 2900	0.6"	3 x 2000	0.6"
4	40	195	7800	1.15"	3500	1"	2 x 2600	1.1"	3 x 1750	1.1"
5	50	120	6000	1.65"	2650	1.4"	2 x 1800	1.5"	3 x 1200	1.5"

FOOTNOTES

- 1) Span indicates distance between truss supports.
- 2) Maximum uniformly distributed load that may be supported by a single horizontal 2" pipe in rack is 265 plf.
- 3) Maximum single concentrated point load that may be supported by a single horizontal 2" pipe in rack is 590 lbs.
- 4) Uniform load (up to 795 plf) shall be distributed across three horizontal pipes in pipe rack.
- 5) Uniformly distributed loads greater than 795 plf shall be equally distributed between pipe racks and truss bottom chords (5 horizontal pipes at bottom of truss).
- 6) For point loads at intervals not indicated, use equivalent uniform load to determine capacity.
- 7) Point loads shall be hung from truss panel points aligning with vertical web members.
- 8) At end supports, truss shall be supported at end truss panel points. Truss support elements (straps, hangers, or posts) shall align with truss vertical web members (rather than typical truss chord extended splice connectors).
- 9) Capacity of additional support structures, components or connections are outside the scope of this analysis.