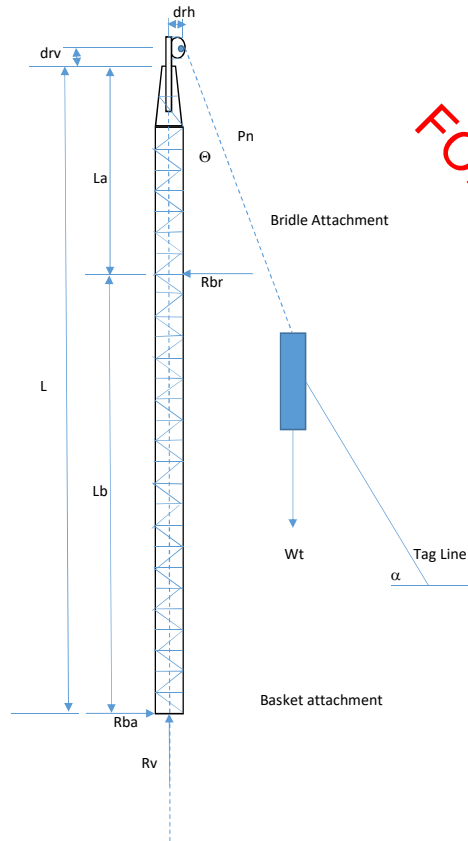


CHARTS ARE POLE SPECIFIC

SERIAL NUMBER _____

Title: 27 inch Square Gin Pole (2-part load line)
 140 ft long w/50% cantilever (70 ft)
 Legs: TS 3 x 3 x 1/4 - 50 ksi Min Yield
 Lacing: 1" sch 40 pipe
 Horizontal 3/4" sch 40 pipe

By: B.Bayless
 Gin Pole Model: PS27-140-50
 Length: 140 ft Class: D
 Date: 10-Jan-17



wt Total pick load (Sections, Headache Ball, wt of Tag line, etc)
 L Length of gin pole (ft)
 La Length of gin pole above bridle (ft)
 Rbr Horizontal reaction at bridle (lbs)
 Rba Horizontal reaction at basket (lbs)
 Rv Vertical reaction at basket (lbs)
 θ Load line angle from vertical (deg)
 α Tag line angle from horizontal (deg)
 drh Horizontal distance to sheave pin (in)
 drv Vertical distance to sheave pin (in)

Notes:

- 1: This load chart is for the capacity of the gin pole and rooster head only, does not consider the capacity of any other rigging components
- 2: The reactions indicated do not include any impact factor
- 3: The strength of the gin pole includes an impact factor of 1.2 for the use of IWRC wire rope load line only
- 4: The maximum operational wind speed used in this chart is 30 mph
- 5: This gin pole was designed in accordance with TIA-1019A Specifications

θ (deg)	L (ft)	La (ft)	wt (lbs)	Rv (lbs)	Rba (lbs)	Rbr (lbs)	Tag (lbs)	Δ (in)
3	140	70	7,586	23,110	1,423	2,368	484	8.78
4	140	70	6,772	22,030	1,557	2,591	588	9.99
5	140	70	6,100	21,140	1,674	2,784	675	11.04
6	140	70	5,534	20,390	1,777	2,952	751	11.95
7	140	70	5,049	19,760	1,869	3,100	816	12.76
8	140	70	4,627	19,200	1,950	3,232	874	13.48
9	140	70	4,257	18,720	2,024	3,350	925	14.12
10	140	70	3,928	18,290	2,090	3,456	971	14.70

FOR EVALUATION ONLY, NOT TO BE USED