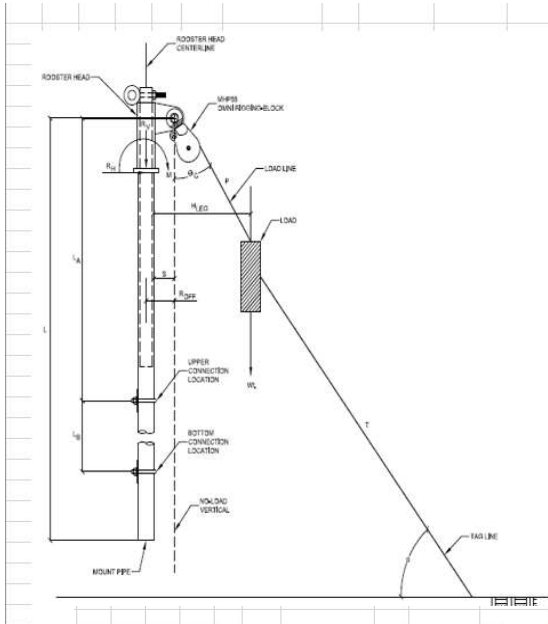


LITE Gin Pole


2	(in)	GIN POLE FACE WIDTH / DIAMETER:
A		GIN POLE CLASS
1.3	(ft ²)	GIN POLE EFFECTIVE PROJECTED AREA (EPA):
28.6	(lbs)	GIN POLE WEIGHT:
0.5	(in)	ROOSTER SHEAVE MINIMUM LINE SIZE
0.5	(in)	ROOSTER SHEAVE MAXIMUM LINE SIZE
SYNTHETIC ROPE LINE TYPE		
4.44	(in)	R _{off} NO LOAD POSITION FROM CENTERLINE
3.25	(in)	S NO LOAD STANDOFF DISTANCE FROM GIN POLE LEG
1.7	I _g	GIN POLE IMPACT FACTOR
NO		INTERNAL LOAD LINE RESTRAINT REQUIRED
1		LOAD LINE NUMBER OF PARTS
3	(ft)	L OVERALL GIN POLE LENGTH
3	(ft)	L _b CANTILEVER LENGTH FACTOR
7	(in)	H _{leg} MAXIMUM ALLOWABLE LOAD LINE DISTANCE FROM POLE LEG AT BRIDLE
5.3	K	MAXIMUM GIN POLE EFFECTIVE LENGTH FACTOR
4	(ft)	L _a CANTILEVER LENGTH FACTOR
350	(lbs)	W _t GROSS LOAD (TOTAL WEIGHT OF LIFTED LOAD, OVERHAUL BALL, LOAD LINE, TAG LINE, AND ALL ASSOCIATED RIGGING)
	(lbs)	P MAXIMUM LOAD LINE FORCE AT ROOSTER SHEAVE WITH LIFTED LOAD AT BRIDLE
	(lbs)	T MAXIMUM TAG LINE FORCE AT GROUND WITH LIFTED LOAD AT BRIDLE
	(degrees)	{ θ _c } CHARTED LOAD LINE POSITION ANGLE
	(degrees)	{ α } MAXIMUM TAG ANGLE AT GROUND
	(lbs)	R _{br} HORIZONTAL REACTION AT BRIDLE
	(lbs)	R _{bA} HORIZONTAL REACTION AT BASKET

PARAMETERS	La =	4	ft
	K=	5.3	
Maximum Load Line Position	W _t	350	lbs
	H _{leg}	7	in
Angle, θ _c =		5	degrees
	R _H	36	lbs
	R _V	828	lbs
Tag Angle, α <=	M	224	ft-lbs
	P	414.1	lbs
	T	72.2	lbs

From Table 5-1a, p. 51

NOTES:

Rigging forces resulting from the Gross Load (W) shall not exceed the working load limit (WLL) of the load line, tag line, or any other rigging components.

The maximum operational effective wind speed shall not exceed 30 mph.

Reactions at base of Rooster Head do not include an impact factor.

Rooster Head reactions shall be increased by 30% for investigating strength and stability of the supporting structure.

Load chart engineering completed by MNS engineering division