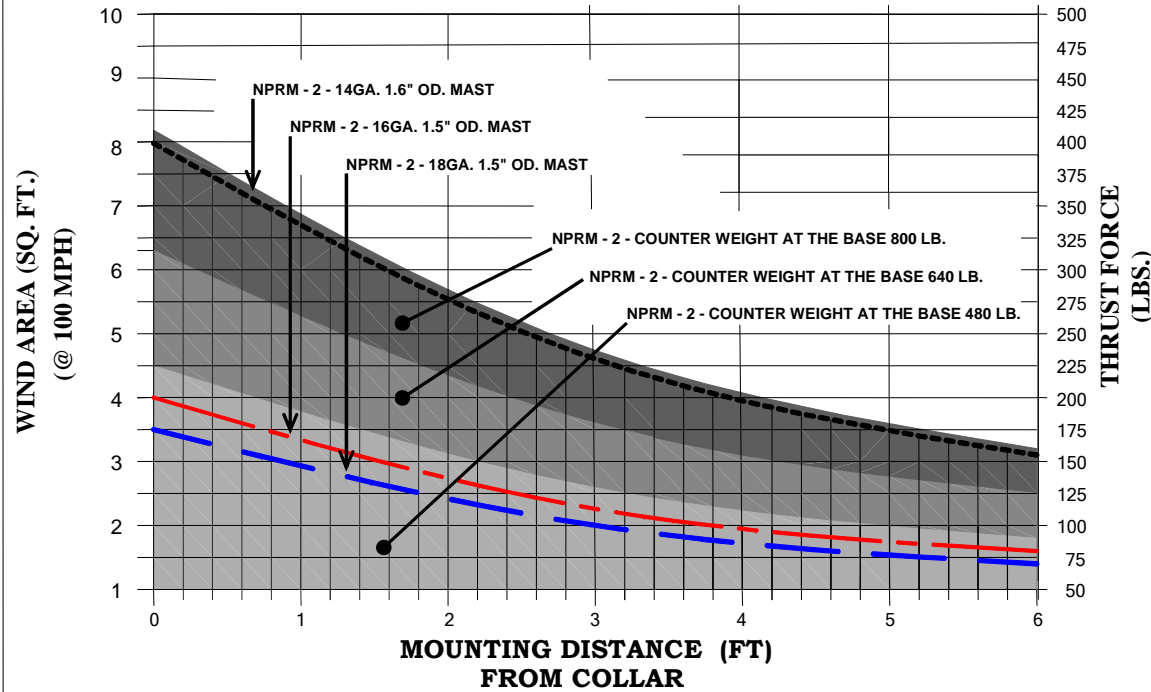
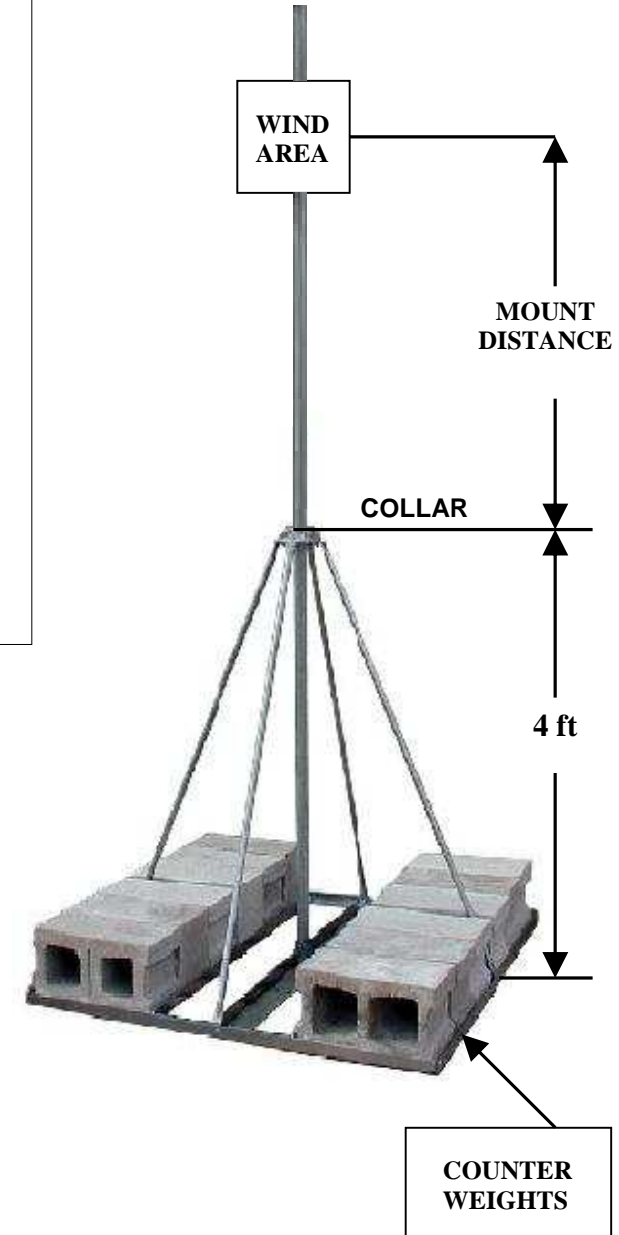


**NPRM-2 THRUST FORCE & SURFACE AREA  
VS  
MOUNTING DISTANCE FROM COLLAR**



**WARNING!**  
CONSULT A QUALIFIED ENGINEER REGARDING ROOF LOAD CAPACITIES PRIOR TO INSTALATION OF THIS MOUNT.  
FAILURE TO ASSESS THIS HAZARD MAY RESULT IN SERIOUS INJURY OR DEATH.



**Example using the chart:**

- If the wind area of your device is 2ft<sup>2</sup> and the wind survival expectation of your system is 100 MPH, follow the chart from the right at 2ft<sup>2</sup> to its intersection with the line representing the mast gauge that you are using. At 2ft<sup>2</sup> using 16-gauge, mount your device no higher than 4ft from the tripod collar. For 18-gauge, mount your device no higher than 3ft from the tripod collar.

-Shaded areas describe counter load at the base of the NPRM-2; it is possible to use less counter weight at the base of the NPRM-2 at the expense of mounting height for your device.

For example; if the wind area of your device is 3.5ft<sup>2</sup> and the wind survival expectation of your system is 100 MPH, follow the chart from the right at 3.5ft<sup>2</sup> to its intersection with the line representing the mast gauge that you are using. The intersection of 3.5ft<sup>2</sup> and 14-gauge mast happens to be in the darkest shaded area on the chart. This indicates a minimum requirement of 800lbs applied to the base of the NPRM-2. From the graph above we see that a device at 3.5ft<sup>2</sup> on a 14-gauge mast should not be mounted higher than 5ft from the tripod collar. If the same device is mounted 3ft from the tripod collar, the intersection point is now in a shaded area representing a minimum counter weight requirement of 640lb. If device is mounted 1ft from the tripod collar, the intersection point is now in a shaded area that represents a minimum counter weight requirement of 480lb.

-If the wind survival expectations of your system are different than 100 MPH, it is possible to calculate thrust force based on wind area, air density, and wind velocity. Knowing the thrust force, follow the chart from the left to the appropriate mast size as described above to ascertain the maximum mounting distance allowable from the tripod collar.