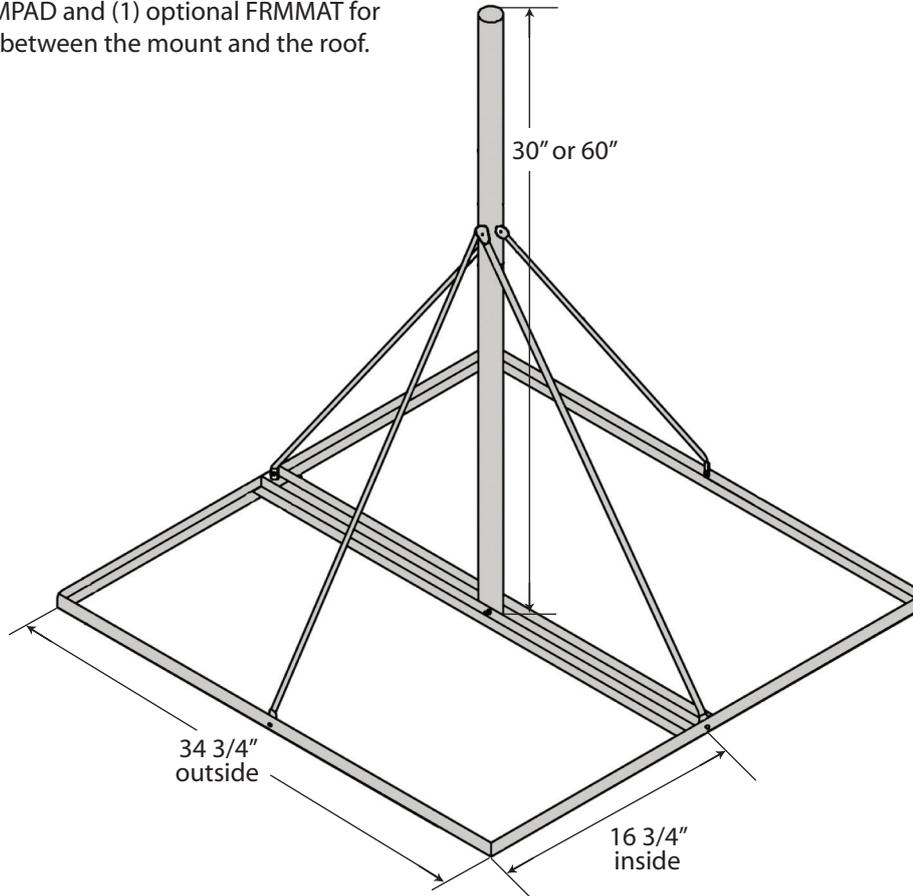


FRM

The FRM is a non-penetrating, ballast type roof mount that offers a 30" to 60" mast in sizes ranging from 1-1/4" to 2-3/8" O.D. The base of mount is 34-3/4" square with trays to fit the concrete blocks, typically used as ballast. The mount is galvanized for corrosion protection and goes together quickly. The mount is easily shipped via UPS.

Use (1) optional FRMPAD and (1) optional FRMMAT for a protective barrier between the mount and the roof.



FRM ALLOWABLE ANTENNA AREAS

MAST SPECIFICATIONS

Mount Part No.	Mast Part No.	Description
FRM125	FY202	Tube 1-1/4" x 16 GA. x 60" (PG)
FRM150	FY203	Tube 1-1/2" x 16 GA. x 30" (PG)
FRM166	FY204	Tube 1.66" x 16 GA. x 30" (PG)
FRM238	FY205	Tube 2-3/8" x 14 GA. x 30" (PG)
FRM225	FY205SP	Tube 2-1/4" x 14 GA. x 60" (PG)
FRM238SP5	FY205SP	Pipe 2" x SCH40 x 60" (HDG)

Effective Projected Area (EPA) (FT ²)	Ballast (LBS)	Zero Velocity Load (PSF)	(Sliding) V _s (MPH)	V _{max} at centroid of projected area, (MPH) (Overturning)			
				h=2 FT	h=3 FT	h=4 FT	h=5 FT
2	100	12	140	135	110	96	85
	200	24	198	188	153	133	119
	300	36	242	222	182	157 (154)	141 (131)
	400	48	280	269	219 (197)	190	170
4	100	12	99	96	78	68	60
	200	24	140	133	108	94	84
	300	36	171	157	129	111	99 (93)
	400	48	198	190	155 (139)	134 (109)	120
6	100	12	81	78	64	55	49
	200	24	114	108	88	77	68
	300	36	140	128	105	91 (89)	81 (76)
	400	48	161	155	127 (114)	110	98

NOTE: The velocities in () apply to the FRM125 mount when strength of the FRM125 mast governs. All other velocities are governed by overturning and apply to all FRM mounts.

H = Distance from support surface to centroid of EPA.

V_s = Effective wind velocity resulting in sliding on a flat surface with a .50 coefficient of friction.

V_m = Effective wind velocity based on strength or overturning.