ROOF MOUNTS







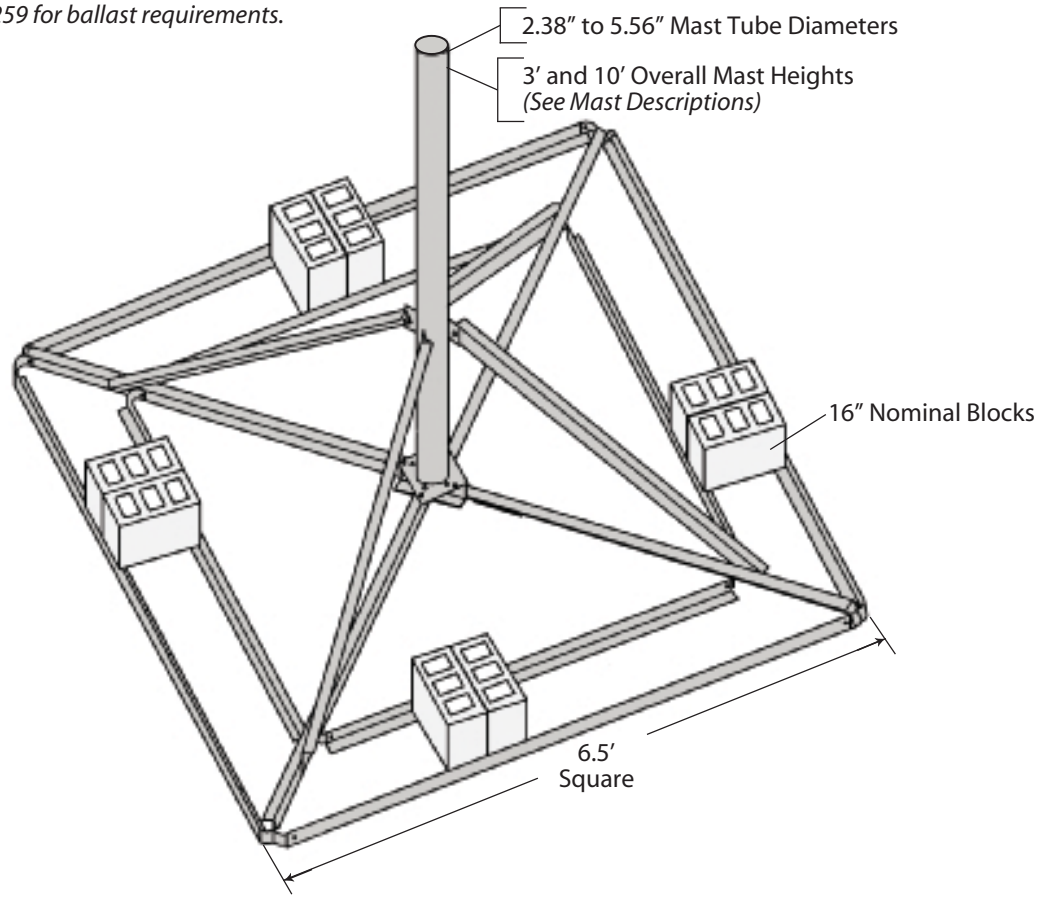


BRM4
NON-PENETRATING

The BRM4 mount is hot-dip galvanized after fabrication for corrosion protection.

Order (1) optional BRM4MAT (1/8" thick) or (1) optional BRM4PAD (3/8" thick) for a protective barrier between the mount and the roof. Order (1) optional SCK150 safety cable kit (3/16" x 150').

Refer to pages 258-259 for ballast requirements.



MAST SPECIFICATIONS

Mount Part No.	Mast Part No.	Mast Description & Height
BRM425	KY1590	2.38" O.D. x 0.154" wall x 3.0'
BRM430	KY1592	2.88" O.D. x 0.203" wall x 3.0'
BRM435	KY1594	3.50" O.D. x 0.216" wall x 3.0'
BRM440	KY1596	4.00" O.D. x 0.226" wall x 3.0'
BRM445	KY1598	4.50" O.D. x 0.237" wall x 3.0'
BRM455	KY1600	5.56" O.D. x 0.258" wall x 3.0'
BRM42510	KY2061	2.38" O.D. x 0.154" wall x 10.0'
BRM43510	KY2063	3.50" O.D. x 0.216" wall x 10.0'
BRM44510	KY2065	4.50" O.D. x 0.237" wall x 10.0'

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BRM4
BALLAST REQUIREMENTS

Effective Projected Area (EPA) (FT^2)	Ballast (LBS)	Zero Velocity Load (PSF)	Vs (MPH)	Vmax at centroid of projected area, (MPH)							
				h=2 FT	h=3 FT	h=4 FT	h=5 FT	h=6 FT	h=7 FT	h=8 FT	h=9 FT
2	300	7.1	171	242	198	171	153	140	130	121	114
	500	11.8	221	313	256	221	198	181	167	157	148
	700	16.6	261	370	302	262	234	214	198	185	175
	900	21.3	296	416	340	294	263	240	223	208	196
	1100	26.0	328	448	366	317	284	259	240	224	211
	1300	30.8	356	478	391	338	302	276	256	239	225
	1500	35.5	383	506	414	358	320	292	271	253	239
	1700	40.2	407	533	435	377	337	308	285	267	251
	1900	45.0	431	558	456	395	353	322	299	279	263
	2100	49.7	453	583	476	412	369	336	312	291	275
	2300	54.4	474	604	493	427	382	349	323	302	285
4	300	7.1	121	171	140	121	108	99	92	86	81
	500	11.8	156	221	181	157	140	128	118	111	104
	700	16.6	185	262	214	185	166	151	140	131	123
	900	21.3	210	294	240	208	186	170	157	147	139
	1100	26.0	232	317	259	224	201	183	169	159	149
	1300	30.8	252	328	276	239	214	195	181	169	159
	1500	35.5	271	358	292	253	226	207	191	179	169
	1700	40.2	288	377	308	267	238	218	201	188	178
	1900	45.0	305	395	322	279	250	228	211	197	186
	2100	49.7	320	412	336	291	261	238	220	206	194
	2300	54.4	335	427	349	302	270	247	228	213	201
6	300	7.1	99	140	114	99	89	81	75	70	66
	500	11.8	128	181	148	128	114	104	97	90	85
	700	16.6	151	214	175	151	135	123	114	107	101
	900	21.3	171	240	196	170	152	139	128	120	113
	1100	26.0	189	259	211	183	164	149	138	129	122
	1300	30.8	206	276	225	195	175	159	148	138	130
	1500	35.5	221	292	239	207	185	169	156	146	138
	1700	40.2	235	308	251	218	195	178	165	154	145
	1900	45.0	249	322	263	228	204	186	172	161	152
	2100	49.7	261	336	275	238	213	194	180	168	159
	2300	54.4	274	349	285	247	220	201	186	174	164
8	300	7.1	86	121	99	86	77	70	65	61	57
	500	11.8	110	157	128	111	99	90	84	78	74
	700	16.6	131	185	151	131	117	107	99	93	87
	900	21.3	148	208	170	147	132	120	111	104	98
	1100	26.0	164	224	183	159	142	129	120	112	106
	1300	30.8	178	239	195	169	151	138	128	120	113
	1500	35.5	191	253	207	179	160	146	135	127	119
	1700	40.2	204	267	218	188	169	154	142	133	126
	1900	45.0	215	279	228	197	177	161	149	140	132
	2100	49.7	226	291	238	206	184	168	156	146	137
	2300	54.4	237	302	247	213	191	174	161	151	142
10	300	7.1	77	108	89	77	69	63	58	54	51
	500	11.8	99	140	114	99	89	81	75	70	66
	700	16.6	117	166	135	117	105	96	89	83	78
	900	21.3	133	186	152	132	118	107	100	93	88
	1100	26.0	147	201	164	142	127	116	107	100	95
	1300	30.8	159	214	175	151	135	123	114	107	101
	1500	35.5	171	226	185	160	143	131	121	113	107
	1700	40.2	182	238	195	169	151	138	127	119	112
	1900	45.0	193	250	204	177	158	144	134	125	118
	2100	49.7	203	261	213	184	165	150	139	130	123
	2300	54.4	212	270	220	191	171	156	144	135	127
12	300	7.1	70	99	81	70	63	57	53	49	47
	500	11.8	90	128	104	90	81	74	68	64	60
	700	16.6	107	151	123	107	96	87	81	76	71
	900	21.3	121	170	139	120	107	98	91	85	80
	1100	26.0	134	183	149	129	116	106	98	92	86
	1300	30.8	145	195	159	138	123	113	104	98	92
	1500	35.5	156	207	169	146	131	119	111	103	97
	1700	40.2	166	218	178	154	138	126	116	109	103
	1900	45.0	176	228	186	161	144	132	122	114	107
	2100	49.7	185	238	194	168	150	137	127	119	112
	2300	54.4	193	247	201	174	156	142	132	123	116

h = Distance from support surface to centroid of EPA.

Vmax = Effective wind velocity based on strength or overturning.

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

NOTE: *Mast strength may govern antenna capacity.*

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BRM4
BALLAST REQUIREMENTS

Effective Projected Area (EPA) (FT^2)	Ballast (LBS)	Zero Velocity Load (PSF)	Vs (MPH)	Vmax at centroid of projected area, (MPH)							
				h=2 FT	h=3 FT	h=4 FT	h=5 FT	h=6 FT	h=7 FT	h=8 FT	h=9 FT
14	300	7.1	65	92	75	65	58	53	49	46	43
	500	11.8	84	118	97	84	75	68	63	59	56
	700	16.6	99	140	114	99	89	81	75	70	66
	900	21.3	112	157	128	111	100	91	84	79	74
	1100	26.0	124	169	138	120	107	98	91	85	80
	1300	30.8	135	181	148	128	114	104	97	90	85
	1500	35.5	145	191	156	135	121	111	102	96	90
	1700	40.2	154	201	165	142	127	116	108	101	95
	1900	45.0	163	211	172	149	134	122	113	106	100
	2100	49.7	171	220	180	156	139	127	118	110	104
	2300	54.4	179	228	186	161	144	132	122	114	108
16	300	7.1	61	86	70	61	54	49	46	43	40
	500	11.8	78	111	90	78	70	64	59	55	52
	700	16.6	92	131	107	93	83	76	70	65	62
	900	21.3	105	147	120	104	93	85	79	74	69
	1100	26.0	116	159	129	112	100	92	85	79	75
	1300	30.8	126	169	138	120	107	98	90	85	80
	1500	35.5	135	179	146	127	113	103	96	90	84
	1700	40.2	144	188	154	133	119	109	101	94	89
	1900	45.0	152	197	161	140	125	114	106	99	93
	2100	49.7	160	206	168	146	130	119	110	103	97
	2300	54.4	168	213	174	151	135	123	114	107	101
18	300	7.1	57	81	66	57	51	47	43	40	38
	500	11.8	74	104	85	74	66	60	56	52	49
	700	16.6	87	123	101	87	78	71	66	62	58
	900	21.3	99	139	113	98	88	80	74	69	65
	1100	26.0	109	149	122	106	95	86	80	75	70
	1300	30.8	119	159	130	113	101	92	85	80	75
	1500	35.5	128	169	138	119	107	97	90	84	80
	1700	40.2	136	178	145	126	112	103	95	89	84
	1900	45.0	144	186	152	132	118	107	100	93	88
	2100	49.7	151	194	159	137	123	112	104	97	92
	2300	54.4	158	201	164	142	127	116	108	101	95
20	300	7.1	54	77	63	54	48	44	41	38	36
	500	11.8	70	99	81	70	63	57	53	49	47
	700	16.6	83	117	96	83	74	68	63	59	55
	900	21.3	94	132	107	93	83	76	70	66	62
	1100	26.0	104	142	116	100	90	82	76	71	67
	1300	30.8	113	151	123	107	96	87	81	76	71
	1500	35.5	121	160	131	113	101	92	86	80	75
	1700	40.2	129	169	138	119	107	97	90	84	79
	1900	45.0	136	177	144	125	112	102	94	88	83
	2100	49.7	143	184	150	130	117	106	99	92	87
	2300	54.4	150	191	156	135	121	110	102	95	90
22	300	7.1	52	73	60	52	46	42	39	37	34
	500	11.8	67	94	77	67	60	54	50	47	44
	700	16.6	79	112	91	79	71	64	60	56	53
	900	21.3	89	126	102	89	79	72	67	63	59
	1100	26.0	99	135	110	96	86	78	72	68	64
	1300	30.8	107	144	118	102	91	83	77	72	68
	1500	35.5	115	153	125	108	97	88	82	76	72
	1700	40.2	123	161	131	114	102	93	86	80	76
	1900	45.0	130	168	137	119	106	97	90	84	79
	2100	49.7	137	176	143	124	111	101	94	88	83
	2300	54.4	143	182	149	129	115	105	97	91	86
24	300	7.1	49	70	57	49	44	40	37	35	33
	500	11.8	64	90	74	64	57	52	48	45	43
	700	16.6	75	107	87	76	68	62	57	53	50
	900	21.3	86	120	98	85	76	69	64	60	57
	1100	26.0	95	129	106	92	82	75	69	65	61
	1300	30.8	103	138	113	98	87	80	74	69	65
	1500	35.5	110	146	119	103	92	84	78	73	69
	1700	40.2	118	154	126	109	97	89	82	77	73
	1900	45.0	124	161	132	114	102	93	86	81	76
	2100	49.7	131	168	137	119	106	97	90	84	79
	2300	54.4	137	174	142	123	110	101	93	87	82

h = Distance from support surface to centroid of EPA.

Vmax = Effective wind velocity based on strength or overturning.

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

NOTE: *Mast strength may govern antenna capacity.*

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