



45 Guyed Tower Specifications

Specifications for AME 45 Guyed Tower

90 MPH Wind Speed - No Ice

Tower Height (Ft.)	Part #	Allowable Projected Area (Sq. Ft.) Top of Tower [CaAc per EIA-222-F]	Base Foundation Drawing No.	Base Horizontal Reactions (lbs.)	Base Vertical Reactions (lbs.)	First Guy Height (Ft.)	First Guy Radius (Ft.)	First Guy Length (Ft.)	First Guy Diameter (in.)	Second Guy Height (Ft.)	Second Guy Radius (Ft.)	Second Guy Length (Ft.)	Second Guy Diameter (in.)	Third Guy Height (Ft.)	Third Guy Radius (Ft.)	Third Guy Length (Ft.)	Third Guy Diameter (in.)	Fourth Guy Height (Ft.)	Fourth Guy Radius (Ft.)	Fourth Guy Length (Ft.)	Fourth Guy Diameter (in.)	Fifth Guy Height (Ft.)	Fifth Guy Radius (Ft.)	Fifth Guy Length (Ft.)	Fifth Guy Diameter (in.)	Anchor Drawing 1306	Anchor Horizontal Reactions (lbs.)	Anchor Vertical Reactions (lbs.)	Anchor Rod Drawing	Anchor Rod Angle
40	AME 45 48	67	1306	54	6527	34.5	28	44	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4G	2795	3502	1315	51.4
50	AME 45 58	64	1306	100	6882	44.4	35	56	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4J	2854	3655	1315	52
60	AME 45 68	61	1306	73	7344	24.6	42	48	3/16	54.4	42	68.2	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4J	3283	3869	1315	49.7
70	AME 45 78	59	1306	88	7694	28.5	49	56	3/16	64.3	49	80.4	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4H	3407	4025	1315	49.8
80	AME 45 88	57	1306	127	8046	34.5	56	65.1	3/16	74.3	56	92.5	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4H	3527	4179	1315	49.8
90	AME 45 98	55.5	1306	146	8429	38.4	63	73.1	3/16	84.2	63	104.7	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4H	3692	4347	1315	49.7
100	AME 45 108	54	1306	145	9292	31.9	70	76.2	3/16	61.7	70	92.7	3/16	94.1	70	116.8	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5A	4170	4697	1315	48.4
110	AME 45 118	53	1306	148	9666	34.5	77	83.6	3/16	66.9	77	101.5	3/16	104.1	77	129	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5A	4360	4878	1315	48.2
120	AME 45 128	51.5	1306	161	10002	38.4	84	91.6	3/16	78.2	84	114.2	3/16	114	84	141.1	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5A	4521	5045	1315	48.1
130	AME 45 138	50	1306	177	10323	41.8	91	99.4	3/16	82.9	91	122.5	3/16	123.9	91	153.3	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5A	4700	5198	1315	47.9
140	AME 45 148	50	1306	150	11421	34.5	98	103.1	3/16	75.6	98	123.1	3/16	105.4	98	133.9	3/16	133.9	98	165.5	5/16	N/A	N/A	N/A	N/A	5C	5403	5632	1315	46.2
150	AME 45 158	49	1306	135	11778	34.5	105	109.8	3/16	75.6	105	128.7	3/16	115.3	105	155.3	3/16	143.8	105	177.7	5/16	N/A	N/A	N/A	N/A	5C	5645	5811	1315	45.8
160	AME 45 168	48	1306	183	12205	41.8	112	118.8	3/16	81.6	112	137.8	3/16	121.3	112	164.5	3/16	153.8	112	189.7	5/16	N/A	N/A	N/A	N/A	5C	5844	6025	1315	45.9
170	AME 45 178	47	1306	152	13279	35.8	119	123.5	3/16	71.6	119	138.2	3/16	105.4	119	158.4	3/16	139.1	119	181.5	3/16	163.7	119	201.8	5/16	5D	6580	6561	1281	44.9
180	AME 45 188	47	1306	150	13706	25.8	126	130.2	3/16	71.6	126	144.2	3/16	105.4	126	163.6	3/16	141.2	126	188.7	3/16	173.6	126	214.1	5/16	5E	6861	6753	1281	44.5
190	AME 45 198	46	1306	157	14146	35.8	133	137.7	3/16	75.6	133	152.3	3/16	114	133	174.5	3/16	152.4	133	201.8	3/16	183.6	133	226.2	5/16	5E	7113	6986	1281	44.5
200	AME 45 208	44	1306	147	14424	38.5	140	144.4	3/16	78.2	140	159.6	3/16	117.9	140	182.5	3/16	157.7	140	210.3	3/16	193.5	140	238.4	5/16	5F	7336	7114	1281	44.1

Specifications for AME 45 Guyed Tower

110 MPH Wind Speed - No Ice

Tower Height (Ft.)	Part #	Allowable Projected Area (Sq. Ft.) Top of Tower [CaAc per EIA-222-F]	Base Foundation Drawing No.	Base Horizontal Reactions (lbs.)	Base Vertical Reactions (lbs.)	First Guy Height (Ft.)	First Guy Radius (Ft.)	First Guy Length (Ft.)	First Guy Diameter (in.)	Second Guy Height (Ft.)	Second Guy Radius (Ft.)	Second Guy Length (Ft.)	Second Guy Diameter (in.)	Third Guy Height (Ft.)	Third Guy Radius (Ft.)	Third Guy Length (Ft.)	Third Guy Diameter (in.)	Fourth Guy Height (Ft.)	Fourth Guy Radius (Ft.)	Fourth Guy Length (Ft.)	Fourth Guy Diameter (in.)	Fifth Guy Height (Ft.)	Fifth Guy Radius (Ft.)	Fifth Guy Length (Ft.)	Fifth Guy Diameter (in.)	Anchor Drawing 1306	Anchor Horizontal Reactions (lbs.)	Anchor Vertical Reactions (lbs.)	Anchor Rod Drawing	Anchor Rod Angle
40	AME 45 4C	44	1306	99	6918	34.5	28	44	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4J	2970	3712	1315	51.3
50	AME 45 5C	42	1306	237	7397	44.4	35	56	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4J	3081	3934	1315	51.9
60	AME 45 6C	40	1306	108	7964	24.6	42	48	3/16	54.4	42	68.2	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4H	3663	4209	1315	49
70	AME 45 7C	39	1306	149	8507	28.5	49	56	3/16	64.3	49	80.4	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5A	3898	4466	1315	48.9
80	AME 45 8C	37.5	1306	202	9015	34.5	56	65.1	3/16	74.3	56	92.5	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5A	4107	4698	1315	48.8
90	AME 45 9C	36.5	1306	222	9587	38.4	63	73.1	3/16	84.2	63	104.7	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5A	4382	4956	1315	48.5
100	AME 45 10C	35.5	1306	202	10436	31.9	70	76.2	3/16	61.7	70	92.7	3/16	94.1	70	116.8	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5B	4945	5383	1315	47.4
110	AME 45 11C	34.5	1306	214	10964	34.5	77	83.6	3/16	66.9	77	101.5	3/16	104.1	77	129	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5B	5232	5633	1315	47.1
120	AME 45 12C	34	1306	223	11650	38.4	84	91.6	3/16	78.2	84	114.2	3/16	114	84	141.1	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5C	5562	5952	1315	46.9
130	AME 45 13C	31	1306	244	11922	41.8	91	99.4	3/16	82.9	91	122.5	3/16	123.9	91	153.3	5/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5C	5754	6043	1315	46.4
140	AME 45 14C	32.5	1306	179	13388	34.5	98	103.1	3/16	75.6	98	123.1	3/16	105.4	98	143.4	3/16	133.9	98	165.5	5/16	N/A	N/A	N/A	N/A	5E	6736	6757	1281	45.1
150	AME 45 15C	30.5	1306	169	13799	34.5	105	109.8	3/16	75.6	105	128.7	3/16	115.3	105	155.3	3/16	143.8	105	177.7	5/16	N/A	N/A	N/A	N/A	5E	7032	6940	1281	44.6