ROHN™ Products

Broadband
Pole Design Properties
60 Ft. AGL Standard Tapered Steel Poles

Physical Properties for 60 Ft. Tapered Steel Poles			
	Light	**Medium**	**Heavy**
Design Number	T60LA	T60MA	T60HA
Tip OD, in.	6.50	9.00	12.00
OD @ grade, in.	14.50	17.00	20.00
Butt OD, in.	16.63	19.42	22.71
Number Sides	12	16	18
Δ Dia, in/ft	0.1423	0.1423	0.1423
Side Taper, in/ft	0.0712	0.0712	0.0712
Embedment, ft.	15	17	19
Auger Dia, ft.	2.5	3.0	3.0
Backfill Type	Aggregate	Aggregate	Aggregate
Total Length, ft.	75	77	79
Bare Pole Wt, lbs.	1,879	2,367	2,983
No. of Sections	2	2	2

EPA (ft^2) for 60 Ft. Tapered Steel Poles										
Wind Speed, MPH		**Light**			**Medium**			**Heavy**		
Fastest Mile	**3-sec Gust**	**Sway Limit**			**Sway Limit**			**Sway Limit**		
		4°	3°	2°	4°	3°	2°	4°	3°	2°
70	85	52	35	19	99	80	48	150	150	104
80	100	46	35	19	71	71	48	109	109	104
90	110	32	32	19	50	50	48	81	81	81
100	120	21	21	19	36	36	36	61	61	61
110	130	14	14	14	25	25	25	46	46	46
120	140	8	8	8	17	17	17	35	35	35

Notes

1. The tabulated EPA values represent the total EPA capacity of the pole. The capacity is based on the assumption that 80% of the total EPA is located at the top of the pole and the remaining 20% is located 20 ft. below the top. When all loading is located at the top of the pole, the tabulated EPA capacity must be reduced by 20%. Refer to *Antenna Index* for the EPA values and sway limitations for specific antenna types.
2. The dash (—) in the table indicates that the pole is not adequate to support antennas for the indicated wind speed.
3. Bare pole weight represents the weight of the pole without accessories.
4. Designs are based on a maximum of (6) ½" internally routed coax per elevation, 90 lbs per elevation for mounts, and antenna weights in pounds equal to 6 times the tabulated EPA values.
5. Pole embedment is based on ANSI/TIA/EIA-222-F normal soil conditions.

Designed By: Mar Date: 7/31/07 Checked By: HA Date: 7/31/07 Approved By: HA Date: 7/31/07

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Section Data

Section No.		Light	Medium	Heavy
	Design Number	T60LA	T60MA	T60HA
1 (top)	Length, ft.	28.58	30.92	33.33
	Galv. Wt., lbs	519	733	1,015
	Min. Splice, in.	14.5	18	22.5
	Max. Splice, in.	20.5	25	30.5
2 (bottom)	Length, ft.	48.00	48.00	48.00
	Galv. Wt., lbs	1,360	1,634	1,968
	Min. Splice, in.	—	—	—
	Max. Splice, in.	—	—	—

	Maximum Reactions		
	Light	Medium	Heavy
Download, kips	3.2	4.2	5.4
OTM, ft-kips	134.3	182.0	248.7
Shear, kips	4.2	5.2	6.1

Designed By: Mar Date: 7/31/07

Checked By: [signature] Date: 7/31/07

Approved By: [signature] Date: 7/31/07