

RADIAN ROHN 25G GUYED TOWER KITS

Tower Height (Feet)	Wind Rating (MPH)	TESSCO Part No.	List Price	Allowable Antenna Area in ft ² (no ice)	
				Round	Flat
40	70/90/110	80467	\$1,313.95	18.4/11.1/9.3	11.0/6.7/5.6
50	70/90/110	33755	1,632.45	17.5/10.6/8.3	10.5/6.3/5.0
60	70/90/110	36037	1,756.70	16.8/10.2/8.2	10.1/6.1/4.9
70	70/90/110	79840	1,880.95	16.2/9.8/8.0	9.7/5.9/4.8
80	70/90	42722	2,279.20	15.7/9.5	9.4/5.7
80	110	44906	2,284.95	7.9	4.7
90	70/90	42719	2,409.20	15.3/9.3	9.2/5.6
90	110	99636	2,420.70	7.7	4.6
100	70/90	40398	2,539.20	15.0/9.1	9/5.4
100	110	74700	2,544.95	7.4	4.5
110	70/90	42590	2,699.20	14.7/8.9	9.0/5.3
120	70/90	81768	3,133.20	14.4/8.7	8.6/5.2
130	70	68050	3,268.95	14.1	8.5
130	90	42614	3,280.45	8.6	5.1
140	70	37482	3,404.70	13.9	8.3
140	90	42645	3,404.70	8.4	5.0
150	70	18677	3,871.95	13.7	8.2
150	90	30191	4,243.95	8.3	5.0
160	70	42606	4,030.70	13.5	8.1
160	90	65555	4,402.70	8.2	4.9
170	70	57070	4,177.95	13.3	8.0
170	90	42646	5,084.40	8.1	4.8
180	70	24268	4,284.95	13.1	7.9
180	90	42649	5,243.15	7.9	4.8
190	70	42611	4,472.45	13.0	7.8
190	90	42655	5,384.65	7.8	4.7

Design

The 25G tower is a general purpose communications tower which satisfies a wide range of needs. It meets approved National Standard ANSI/EIA-222-D.

Construction and Finish

The 25G tower section is constructed on a 12-1/2" equilateral triangle pattern with continuous steel zig-zag crossbracing that is electronically welded to 1-1/4" steel-tubing side rails. The eight zig-zag braces per 10-foot section create an extraordinarily rugged structure. All parts are hot-dipped galvanized, inside and out, after fabrication to protect all welding points against corrosion and provide maintenance-free installation.

For information regarding bracket or self supporting 25G towers, please call 1-800-472-7373.

Kit Components

All items necessary for a complete, grounded, guyed tower are included in the TESSCO part number shown for the desired wind speed rating, allowable antenna dimensions and tower height. Included are tower sections, top section, concrete base plate, pier pin, side arms, guy brackets, guy wire, big grips, rope thimbles, eye and eye turnbuckles, eye and jaw turnbuckles, safety kit, anchor rods, anchor ground kit, base ground kit and installation instructions.



RADIAN ROHN 45G GUYED TOWER KITS

70 MPH Wind Rating					90 MPH Wind Rating					110 MPH Wind Rating				
Tower Height (Feet)	TESSCO Part No.	List Price	Allowable Antenna Area in ft ² (no ice)		Tower Height (Feet)	TESSCO Part No.	List Price	Allowable Antenna Area in ft ² (no ice)		Tower Height (Feet)	TESSCO Part No.	List Price	Allowable Antenna Area in ft ² (no ice)	
			Round	Flat				Round	Flat				Round	Flat
40	42941	\$2,267.48	18.8	11.3	40	42702	\$2,310.83	18	10.8	40	42856	\$2,284.28	10.8	6.5
50	95639	2,529.98	17.6	10.6	50	36339	2,573.33	16.8	10.1	50	42851	2,546.78	10	6
60	42949	2,786.73	16.7	10	60	87644	3,084.91	15.9	9.5	60	42833	3,090.66	9.6	5.8
70	42953	3,308.81	15.9	9.5	70	42737	3,358.91	15.2	9.1	70	42835	3,353.16	9.2	5.5
80	42958	3,565.56	15.3	9.1	80	42746	3,627.16	15.2	9.1	80	42847	3,627.16	8.8	5.3
90	42962	3,839.56	14.6	8.8	90	42763	3,889.66	14	8.4	90	42905	3,895.41	8.3	5
100	42964	4,102.06	14.2	8.5	100	65571	4,485.74	13.5	8.1	100	42909	4,768.09	7.9	4.8
110	42971	4,709.64	13.7	8.2	110	42765	4,759.74	13.1	7.8	110	42860	5,047.84	7.5	4.5
120	42994	4,972.14	13.3	8	120	97709	5,316.09	12.7	7.6	120	42864	5,481.59	7.2	4.3
130	42995	5,263.39	13	7.8	130	42803	5,584.34	12.3	7.4	130	42871	5,781.14	6.8	4.1
140	42998	5,554.74	12.7	7.6	140	42805	6,258.72	12	7.2	140	42879	6,485.52	6.5	3.9
150	43004	6,193.47	12.3	7.4	150	64755	6,544.22	11.7	7	150	42888	6,763.02	6.2	3.7
160	43019	6,484.82	12	7.2	160	42822	6,823.97	11.5	6.9	160	42898	7,044.02	6	3.6
170	78100	6,781.72	11.8	7.1	170	42828	7,544.35	11.2	6.8	170	53408	7,755.90	5.8	3.5
180	43020	7,350.72	11.7	7	180	23400	7,773.00	11	6.6					
190	43025	8,110.05	11.4	6.8	190	77166	8,319.35	10.8	6.5					
200	43030	8,533.88	9.5	5.7	200	42662	8,790.88	8.9	5.3					
210	43038	8,701.83	9.3	5.6	210	42670	9,677.41	8.8	5.2					
220	28940	8,993.18	9.1	5.5	220	42674	99,77.46	8.6	5.1					
230	43045	9,988.86	8.9	5.3	230	42686	106,61.04	8.3	5					
240	43055	10,252.66	8.8	5.2	240	42688	109,57.74	8.3	5					
250	67333	10,595.66	8.6	5.2										
260	43063	10,863.91	8.4	5.1										
270	43065	11,534.74	8.3	5										
280	43072	11,802.99	8.2	4.9										
290	43075	12,157.49	8.1	4.8										
300	55394	12,431.49	8	4.8										

Design

The 45G is a true multi-use structure for applications up to 300 feet. It satisfies a wide variety of needs under varied conditions and meets approved National Standard ANS/EIA-222-E

Construction and Finish

The 45G tower section is constructed on an 18" equilateral triangle pattern, using 1-1/4", 14 gauge, special quality steel tubing or solid steel rod legs. The zig-zag cross-bracing is formed from a continuous 7/16" solid steel rod electrically welded every 15-3/4" to the side rails. Each 10 foot section is sleeve-joined to the other and double-bolted to provide superior strength. All parts are hot-dipped galvanized, inside and out, after fabrication to protect all welding points against corrosion and provide maintenance-free installation.

For information regarding bracket or self supporting 45G towers, please call 1-800-472-7373.

Kit Components

All items necessary for a complete, grounded, guyed tower are included in the TESSCO part number shown for the desired wind speed rating, allowable antenna dimensions and tower height. Included are tower sections, top section, concrete base plate, pier pin, side arms, guy brackets, guy wire, big grips, rope thimbles, eye and eye turnbuckles, eye and jaw turnbuckles, safety kit, anchor rods, anchor ground kit, base ground kit and installation instructions.



RADIAN ROHN 55G GUYED TOWER KITS

70 MPH Wind Rating					90 MPH Wind Rating					110 MPH Wind Rating				
Tower Height (Feet)	TESSCO Part No.	List Price	Allowable Antenna Area in ft ² (no ice)		Tower Height (Feet)	TESSCO Part No.	List Price	Allowable Antenna Area in ft ² (no ice)		Tower Height (Feet)	TESSCO Part No.	List Price	Allowable Antenna Area in ft ² (no ice)	
			Round	Flat				Round	Flat				Round	Flat
100	43280	\$5,014.88	26.6	16.0	100	48854	\$5,647.73	16	9.6	100	36244	\$5,827.03	15.0	9.0
110	43286	5,357.63	25.9	15.6	110	43157	5,996.23	15.5	9.3	110	46373	6,188.28	13.3	8.0
120	43288	6,068.13	25.3	15.2	120	43193	6,344.73	15.1	9.1	120	43081	6,543.78	11.7	7.0
130	43294	6,405.13	24.8	14.9	130	43197	6,693.23	14.8	8.9	130	43093	6,890.03	10.0	6.0
140	43300	6,753.63	24.2	14.5	140	41358	7,459.03	14.4	8.6	140	43114	7,685.83	9.2	5.5
150	78820	7,102.13	23.8	14.3	150	84794	7,813.28	14	8.4	150	83516	8,032.08	8.3	5.0
160	43304	7,450.63	23.3	14.0	160	21533	8,376.53	13.7	8.2	160	43131	8,393.33	8.1	4.9
170	43308	8,516.03	22.9	13.7	170	43207	8,550.08	13.5	8.1	170	43133	8,794.38	7.9	4.8
180	43309	8,870.28	22.5	13.5	180	80556	9,361.88	13.2	7.9	180	43152	10,509.38	7.7	4.6
190	43313	9,224.53	22.2	13.3	190	43211	9,931.13	13	7.8	190	43153	10,939.63	7.5	4.5
200	43330	9,584.53	20.2	12.1	200	25229	10,298.13	11.1	6.6					
210	43346	9,933.03	19.9	11.9	210	43212	10,661.63	10.9	6.5					
220	15726	10,779.33	19.6	11.7	220	43226	11,606.58	10.7	6.4					
230	43354	11,127.83	19.3	11.6	230	43231	11,970.08	10.5	6.3					
240	43372	11,733.08	19	11.4	240	43232	12,748.58	10.3	6.2					
250	92512	12,100.08	18.8	11.3	250	43233	13,112.08	10.1	6.1					
260	43377	13,024.28	18.5	11.1	260	43244	13,492.83	10	6.0					
270	43385	13,535.03	18.3	11.0	270	43250	15,280.33	9.8	5.9					
280	43386	13,769.78	18.1	10.9	280	75509	15,761.88	9.6	5.8					
290	43398	14,268.53	17.9	10.7	290	43258	16,119.63	9.5	5.7					
300	36951	14,957.83	17.7	10.6	300	43273	16,646.08	9.4	5.6					
310	43408	15,300.53	17.5	10.5										
320	13626	15,571.53	17.3	10.4										
330	87997	16,069.03	17.1	10.3										
340	66569	16,947.58	16.9	10.2										
350	96820	17,418.78	16.9	10.1										
360	43410	17,928.79	16.6	10.0										
370	43413	18,286.54	16.5	9.9										
380	43415	19,673.99	16.3	9.8										
390	43423	19,997.24	16.2	9.7										
400	75344	20,691.39	16	9.6										

Design

The 55G tower provides excellent strength in heights up to 400 feet. Because of its rugged design, the 55G satisfies a broad range of communication uses, particularly where unusual windloading and height requirements exist. Meets approved National Standard ANSI/EIA-222-E.

Construction and Finish

The 55G tower section is constructed on an 18-1/2" equilateral triangle pattern, using 1/2" high-strength tubing for side rails. The zig-zag cross bracing is formed from a continuous 7/16" solid steel rod electronically welded every 15-3/4" on the side rails. Each 10 foot section is sleeve-joined to the other and double-bolted to provide superior strength. All parts are hot-dipped galvanized, inside and out, after fabrication to protect all welding points against corrosion and provide maintenance-free installation.

For information regarding bracket or self supporting 55G towers, please call 1-800-472-7373.

Kit Components

All items necessary for a complete, grounded, guyed tower are included in the TESSCO part number shown for the desired wind speed rating, allowable antenna dimensions and tower height. Included are tower sections, top section, concrete base plate, pier pin, side arms, guy brackets, guy wire, big grips, rope thimbles, eye and eye turnbuckles, eye and jaw turnbuckles, safety kit, anchor rods, anchor ground kit, base ground kit and installation instructions.

