STANDARD 45G GUYED TOWER





45G

GENERAL USE

The 45G is a true multi-use structure that provides excellent strength for applications up to 300′, It is offered with heavy steel round legs to satisfy a variety of needs under varied conditions.

FEATURES

- Completely hot-dip galvanized after fabrication
- Built on a 16 3/4" equilateral triangle design
- High strength tubular legs joined by Zig-Zag[®] cross members
- Each section contains all required nuts and bolts shipped with section
- Continuous solid round steel bracing

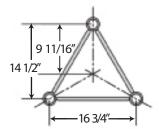
CAUTION

Mixing copies of ROHN towers with ROHN towers is dangerous and voids all engineering and warranty data supplied by ROHN. Materials used by others are not the same quality and have not been tested or engineered by ROHN. Mixing ROHN tower sections with non-ROHN products may cause tower failure or injury.

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please see page 65 for ordering information.



STANDARD 45G GUYED TOWER SECTIONS

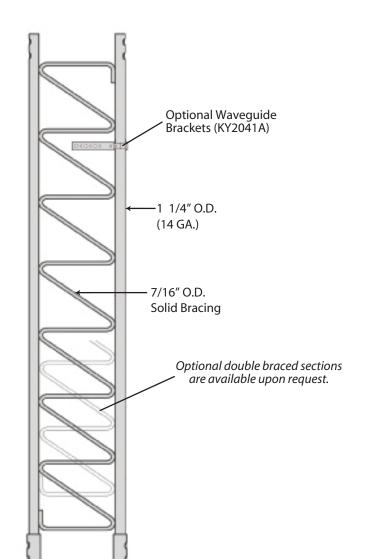


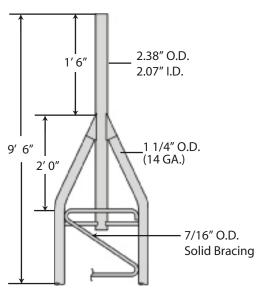
STANDARD SECTION

45G - 10' Section

QUICK REFERENCE

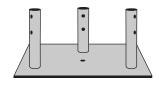
PARTS & ACCESSORIES PAGES 63-65 GROUNDING INFORMATION PAGE 66 FOUNDATION INFORMATION PAGES 66-69





STANDARD TOP SECTION 45AG2

Additional 45G top sections are shown on page 63.



CONCRETE BASE PLATE BPC45G*

FOR USE WITH 3/4X12PP PIER PIN EMBEDDED IN CONCRETE.

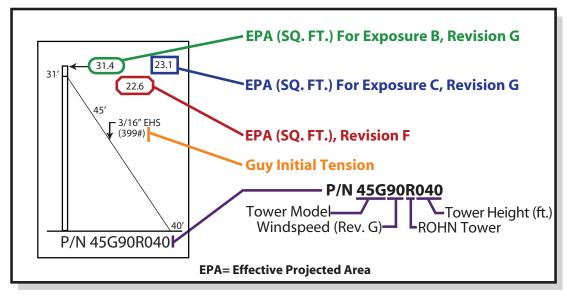
Additional base sections are available, please see page 64.

^{*} Towers mounted on these bases must be bracketed or guyed at all times. Temporary steel guying may also be necessary during installation and dismantling.

BUYERS GUIDE STANDARD DESIGNS - 45G

90MPH REV. G [3-SECOND GUST] 70MPH REV. F [FASTEST MILE]

Design Criteria



This document is to serve as a guide for sizing and purchasing the 45G tower. Tower and foundation installations should be performed by qualified and experienced personnel using assembly drawings provided with each tower.

DESIGN NOTES:

- 1. Tower designs are in accordance with ANSI/TIA-222-F and ANSI/TIA-222-G, Class I Structures, Topographic Category 1.
- 2. Design assumes towers are installed on level ground. Lower EPA values will apply for roof mounted towers or for sites located on unusual terrain.
- 3. Designs assume two 1/2" diameter lines on each tower face.
- 4. Anchor radius is from tower base to intersection of anchor rod with ground.
- 5. Guy chord lengths shown are based on level ground. Initial tensions for guys are shown in () in pounds at 60° Fahrenheit.
- 6. Antenna and mounts are assumed symmetrically placed at the tower top.

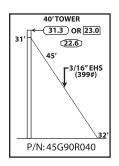
PARTS LIST NOTES:

- 1. Items listed are required for complete guyed towers.
- $2.\ Base\ and\ anchor\ foundations\ listed\ refer\ to\ standard\ foundation\ designations.$
- 3. Guys provided with each standard tower are based on level ground conditions with an additional 6% length.
- 4. Rev G anchor grounding (AGK1GGX) and base grounding (BGK3GGX) are included with the tower material.
- 5. Assembly drawings and a safety package (P/N: ACWS) are included with each tower.
- 6. Parts lists are subject to change based on availability or revised design criteria.

FOR FOUNDATION INFORMATION, PLEASE SEE PAGES 66-69.
FOR GENERAL INSTALLATION INFORMATION, PLEASE SEE PAGES 147-153.



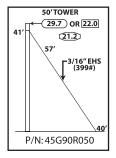




	450	45400	DD0450	GA45GD	FDNS
TOWER PARTS	45G	45AG2	BPC45G	GA45GD	BASE ANCHOR
INCLUDED	3	1	1	1	CB1G AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSAFETY
INCLUDED	150'	6	6	3	3
ANCHORS & GROUNDING	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP
INCLUDED	3	1	3	3	1

40' ROHN 45G

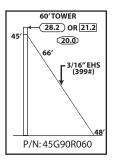
All parts shown in table are included when ordering Part No: 45G90R040



	TOWER PARTS	45G	45AG2	BPC45G	GA45GD	FDNS BASE ANCHOR
	INCLUDED	4	1	1	1	CB1G AB2
	GUYS & CONNECTIONS INCLUDED	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSAFETY
		200'	6	6	3	3
		GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP
	GROUNDING INCLUDED	3	1	3	3	1

50' ROHN 45G

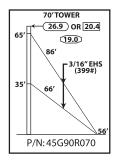
All parts shown in table are included when ordering Part No: 45G90R050



TOWER PARTS	45G	45AG2	BPC45G	GA45GD		DNS ANCHOR
INCLUDED	5	1	1	1	CB1G	AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSA	AFETY
INCLUDED	225'	6	6	3		3
	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x	12PP
GROUNDING INCLUDED	3	1	3	3		1

60' ROHN 45G

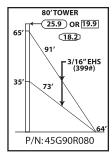
All parts shown in table are included when ordering Part No: 45G90R060



TOWER PARTS	45G	45AG2	BPC45G	GA45GD	FDNS BASE ANCHOR
INCLUDED	6	1	1	2	CB1G AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSAFETY
INCLUDED	500'	12	12	6	3
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP
GROUNDING INCLUDED	3	1	3	3	1

70'	ROHN	45G
, ,	1101111	730

All parts shown in table are included when ordering Part No: 45G90R070

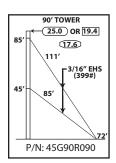


TOWER PARTS	45G	45AG2	BPC45G	GA45GD		ONS ANCHOR
INCLUDED	7	1	1	2	CB1G	AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSAFETY	
INCLUDED	525'	12	12	6	:	3
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	5 3/4x12PP	
GROUNDING INCLUDED	3	1	3	3		1

80' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R080

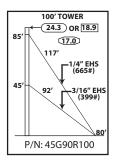




	45G	45AG2	BPC45G	GA45GD	FD	NS
TOWER PARTS	436	40/40/2	DF 043G	GA43GD	BASE /	ANCHOR
INCLUDED	8	1	1	2	CB1G	AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSA	FETY
INCLUDED	625'	12	12	6	;	3
	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	.75 3/4x12	
GROUNDING INCLUDED	3	1	3	3		1

90' ROHN 45G

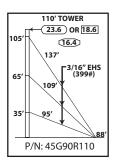
All parts shown in table are included when ordering Part No: 45G90R090



TOWER	TOWER PARTS INCLUDED	45G		45AG2		BPC45G		GA45GD		FDNS BASE ANCHOR			
INCLU		9		1			1		2		CB1	IG	AB2
	GUYS & CONNECTIONS INCLUDED	3/16EHS	1/4	EHS	BG214	12	BG2144	5/16	THH	3/8TH	Н	1/2	2TBE&J
		300'	37	7 5'	6		6		6	6			6
ANCHO		GAC3455	TOP	AGK	(1GGX	В	GK3GGX	CPC	0.5/.75	3/4x12	2PP	TB	SAFETY
	GROUNDING INCLUDED				1		3		3	1			3

100' ROHN 45G

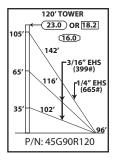
All parts shown in table are included when ordering Part No: 45G90R100



TOWER PARTS	45G	45AG2	BPC45G	GA45GD	FDNS BASE ANCHOR
INCLUDED	10	1	1	3	CB1G AB2
GUYS &	3/16EHS	3/16EHS BG2142 5/16THF		1/2TBE&J	TBSAFETY
CONNECTIONS INCLUDED	1100'	18	18	9	3
	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP
GROUNDING INCLUDED	3	1	3	3	1

110' ROHN 45G

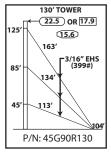
All parts shown in table are included when ordering Part No: 45G90R110



	TOWER PARTS	45G		4	5AG2		BPC45	iG	GA4	5GD			ONS ANCHOR	
	INCLUDED	11			1		1		3		CB1G A		AB2	
	GUYS & CONNECTIONS INCLUDED	3/16EHS	16EHS 1/4EI		EHS BG2142		BG2144	BG2144 5/16		3/8Th	HH 1/2TBE&J		2TBE&J	
		700'	47	75'	12		6		12	6			9	
	ANCHORS & GROUNDING	GAC3455	TOP	AGK	(1GGX	В	GK3GGX	CPC	0.5/.75	3/4x12	2PP	TB	SAFETY	
	INCLUDED	3			1		3		3	1			3	

120' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R120

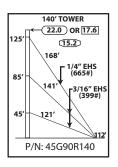


TOWER PARTS	45G	45AG2	BPC45G	GA45GD	FDNS BASE ANCHOR
INCLUDED	12	1	1	3	CB1G AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSAFETY
INCLUDED	1325'	18	18	9	3
	GAC3455TOP AGK1GGX BGK30		BGK3GGX	CPC.5/.75	3/4x12PP
GROUNDING INCLUDED	3	1	3	3	1

130' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R130





TOWER PARTS	45G	45	AG2	E	BPC45G	GA45GI	D	FI BASE	DNS ANCH	IOR	
INCLUDED	13		1		1	3		CB1G	AB2		
GUYS &	3/16EHS	1/4EHS	BG214	12	BG2144	5/16THH	3/	8ТНН	1/2T	BE&J	
CONNECTIONS INCLUDED	850'	550'	12		6	12		6	!	9	
	GAC3455TC	DP AGK	1GGX	В	GK3GGX	CPC.5/.7	75	3/4x1	2PP	TBSA	FET
GROUNDING INCLUDED	3		1		3	3		1		3	3

140' ROHN 45G

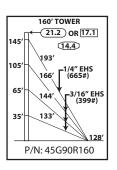
All parts shown in table are included when ordering Part No: 45G90R140

	150' TOWER
Ιг	← 21.6 OR 17.4
145′	14.8
105′	188' 159' 3/16" EHS (399#)
65′	136′
35′	125'
—	120′
	P/N: 45G90R150

TOWER PARTS	45G	45AG2	BPC45G	GA45GD	FDNS BASE ANCHOR
INCLUDED	14	1	1	4	CB1G AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSAFETY
INCLUDED	1950'	24	24	12	3
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	BGK3GGX CPC.5/.75	
GROUNDING INCLUDED	3	1	3	3	1

150' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R150



TOWER PARTS	45G	45	45AG2		BPC45G	GA45GE	GA45GD		BASE ANCH		
INCLUDED	15		1		1	4		CB1G	AB	2	1
GUYS &	3/16EHS	1/4EHS	BG214	12	BG2144	5/16THH	3/	8ТНН	1/2T	BE&J	
CONNECTIONS INCLUDED	1425'	625'	18		6	18		6	,	12	F
	GAC3455TC	OP AGK	1GGX	В	GK3GGX	CPC.5/.7	'5	3/4x1	2PP	TBSA	FETY
GROUNDING INCLUDED	3		1		3	3		1		3	}

160' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R160

_	
l	170' TOWER
165′	20.8 OR 16.9
125′	214'
85′	(665#) 160' [3/16" EHS (399#)
45′	143'
	136′
F	P/N: 45G90R170

TOWER PARTS	45G		45AG2			BPC45G		GA45GD		FDNS BASE ANCHO		ONS ANCHOR
INCLUDED	16			1		1		4		CB1	IG	AB2
GUYS & CONNECTIONS	3/16EHS	1/4	EHS	BG214	2	BG2144	5/16THH		3/8TH	Н	1/2	2TBE&J
INCLUDED	1575'	70	00')' 18		6	18		6			12
	GAC3455	ГОР	AGK	(1GGX	В	GK3GGX	CPC	2.5/.75	3/4x12	2PP	TB	SAFETY
GROUNDING INCLUDED	3		1			3		3	1			3

170' ROHN 45G

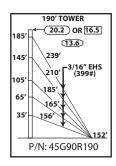
All parts shown in table are included when ordering Part No: 45G90R170

	180' TOWER									
1 ,	→ (20.5) OR [16.7]									
165′	14.0									
125′	219'									
	191′ (665#)									
85′	167' 3/16" EHS (399#)									
45′	151'									
$ \bot $	144′									
	P/N: 45G90R180									

1										ONS		
	TOWER PARTS	45G	45	45AG2		BPC45G	GA45GD		BASE		HOR	
	INCLUDED	17		1	1		4		CB1G	AB2		
	GUYS &	3/16EHS 1	/4EHS	BG214	12	BG2144	5/16THH	3/	8ТНН	1/2T	BE&J	
	CONNECTIONS INCLUDED	1625'	700'	18		6	18		6		12	
	ANCHORS & GROUNDING INCLUDED	GAC3455TO	PAGK	1GGX	В	GK3GGX	CPC.5/.7	75	3/4x1	2PP	TBSAF	ET
		3		1		3	3		,	1	3	}

180' ROHN 45G All parts shown in

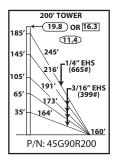
table are included when ordering Part No: 45G90R180



TOWER PARTS	45G	45AG2	BPC45G	GA45GD		ONS ANCHOR
INCLUDED	18	1	1	5	CB1G	AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH 1/2TBE&J		TBSAFETY	
INCLUDED	3050'	30	30	15	3	
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4×	12PP
GROUNDING INCLUDED	3	1	3	3		1

190' ROHN 45G

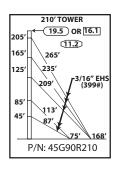
All parts shown in table are included when ordering Part No: 45G90R190



TOWER PARTS	45G	BPG	C45G	APL45G	GA45GD	BASE	ONS ANCHO	OR	
INCLUDED	20		1	1	5 CB10		AB2	AB2	
GUYS & CONNECTIONS INCLUDED	3/16EHS	1/4EHS	BG214	12 BG2144	5/16THH	3/8THH	1/2TE	BE&J	
	2375'	800'	24	6	24	6	15	5	
ANCHORS & GROUNDING INCLUDED	GAC3455TC	OP AGK	1GGX	BGK3GGX	CPC.5/.7	5 3/4x ²	12PP	TBSA	FETY
	3		1	3	3		1	3	3

200' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R200



TOWER PARTS	45G	APL45G	BPC45G	GA45GD	BASE	INNER ANCHOR
INCLUDED	21	1	1	5	CB2G	AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBS	AFETY
INCLUDED	2900'	30	30	15		6
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP	
GROUNDING INCLUDED	6	2	3	6		1

210' ROHN 45G

OUTER ANCHOR

AB2

All parts shown in table are included when ordering Part No: 45G90R210

l	220' TOWER
205′	19.3 OR 16.0
	11.0
165′	270′ –1/4″ EHS
	241' (665#)
125′	216' / 3/16" EHS
85'	216′ (399#)
45'	113'
43	87′ 🖠
l ⊥	75' 176'
F	P/N: 45G90R220

TOWER PARTS	45G	BP	C45G	F	APL45G	GA45GD	BASE	INNER ANCHO	OUTER ANCHOR	
INCLUDED	22		1		1	5	CB2G	AB1	AB2	22
GUYS &	3/16EHS 1	/4EHS	BG214	42	BG2144	5/16THH	3/81	THH 1	/2TBE&J	ta
CONNECTIONS INCLUDED	2100'	875'	24		6	24	(3	15	Pa
ANCHORS &	GAC3455TC	P AGK	1GGX	В	GK3GGX	CPC.5/.75	3/4	x12PF	TBSAFE	ΞΤΥ
GROUNDING INCLUDED	6		2		3	6		1	6	

220' ROHN 45G
All parts shown in
table are included
when ordering
Part No: 45G90R220

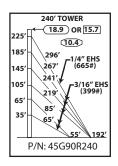
	230' TOWER
225	19.1 OR 15.8
185	10.6
	291′
145′	261' 234'3/16" EHS
105′	(399#)
65'	212
35'	85' 65',
	X //
$I \rightarrow$	55′ 184′
	P/N: 45G90R230

TOWER PARTS	45G	APL45G	BPC45G	GA45GD	BASE	INNER ANCHOR	OUTER ANCHOR
INCLUDED	23	1	1	6	CB2G	AB1	AB2
GUYS & CONNECTIONS	3/16EHS	BG2142	5/16THH	1/2TBE&J	TBSAFETY		
INCLUDED	3675'	36	36	18	6		AI
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x	12PP	are
GROUNDING INCLUDED	6	2	3	6		1	

230' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R230

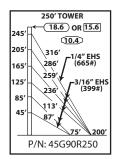




TOWER PARTS INCLUDED	45G	BP	BPC45G		APL45G	GA45GD	BASE INN		ER HOR	OUTER ANCHOR
	24		1		1	6	CB2G AE		1	AB2
GUYS & CONNECTIONS INCLUDED	3/16EHS	1/4EHS	BG214	42	BG2144	5/16THH	3/8TI	НН	1/2	TBE&J
	2800'	950'	30		6	30	6			18
ANCHORS &	GAC3455TC)P AGK	1GGX	ВС	GK3GGX	CPC.5/.75	3/4x12	2PP	TBS	SAFETY
GROUNDING INCLUDED	6		2		3	6	1			6

240' ROHN 45G

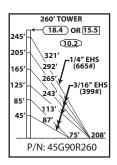
All parts shown in table are included when ordering Part No: 45G90R240



TOWER PARTS	45G	BP	BPC45G		APL45G	GA45GD	BASE AND		IER HOR	OUTER ANCHOR
INCLUDED	25		1		1	6	CB2G AE		31	AB2
GUYS & CONNECTIONS	3/16EHS	1/4EHS	BG21	42	BG2144	5/16THH	3/8TI	НН	1/2	TBE&J
INCLUDED	3125'	1025'	30		6	30	6			18
	GAC3455TC	DP AGK	1GGX	В	GK3GGX	CPC.5/.75	3/4x12	2PP	TBS	SAFETY
GROUNDING INCLUDED	6		2		3	6	1			6

250' ROHN 45G

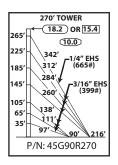
All parts shown in table are included when ordering Part No: 45G90R250



				_						
TOWER PARTS	45G	В	BPC45G		APL45G	GA45GD	BASE	INN ANC	IER HOR	OUTER ANCHOR
INCLUDED	26		1		1	6	CB3G AE		32	AB2
GUYS &	3/16EHS	1/4EH	S BG21	42	BG2144	5/16THH	3/8TI	Н	1/2	TBE&J
CONNECTIONS INCLUDED	3200'	1025	, 30		6	30	6			18
	GAC3455TC	OP AG	K1GGX	В	GK3GGX	CPC.5/.75	3/4x12	PP	TBS	SAFETY
GROUNDING INCLUDED	6		2		3	6	1			6

260' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R260



TOWER PARTS	45G	BF	BPC45G		APL45G	GA45GD	BASE ANC		IER HOR	OUTER ANCHOR
INCLUDED	27		1		1	7	CB3G AE		32	AB2
GUYS &	3/16EHS	1/4EH	BG21	42	BG2144	5/16THH	3/8TH	ΗН	1/2	TBE&J
CONNECTIONS INCLUDED	3825'	1100'	36		6	36	6			21
	GAC3455TC	OP AG	(1GGX	В	GK3GGX	CPC.5/.75	3/4x12	PP	TBS	SAFETY
GROUNDING INCLUDED	6		2		3	6	1			6

2/() K	JHN	45	G
ΑII	parts	sho	wn i	n

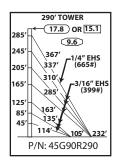
table are included when ordering Part No: 45G90R270

	280' TOWER
265′	18.0 OR 15.2
225′	347' =1/4" EHS
185′	317' (665#)
145′	291' -3/16" EHS (399#)
105′	/ ///X
65′	138'
35′	97′ 90′ 224′
	P/N: 45G90R280

TOWER PARTS	45G	BP	C45G	APL45G	GA45GD	BASE	INNE ANCH	ER OUTER HOR ANCHOR
INCLUDED	28		1	1	7	CB3G AE		2 AB2
GUYS & CONNECTIONS	3/16EHS	1/4EHS	BG21	42 BG2144	5/16THH	3/8TI	НН	1/2TBE&J
INCLUDED	3900'	1125'	36	6	36	6		21
ANCHORS &	GAC3455TC	OP AGK	1GGX	BGK3GGX	CPC.5/.75	3/4x12	2PP	TBSAFETY
GROUNDING INCLUDED	6		2	3	6	1		6

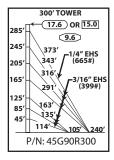
280' ROHN 45G

All parts shown in table are included when ordering Part No: 45G90R280



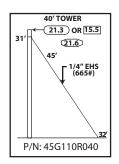
TOWER PARTS INCLUDED	45G	BP	C45G	APL45G	GA45GD	GA45GD BASE		R OUTER OR ANCHOR	
	29		1	1	7	CB3G AE		CB3G AE	
GUYS & CONNECTIONS INCLUDED	3/16EHS	1/4EHS	BG214	42 BG2144	5/16THH	3/8TI	НН	1/2TBE&J	
	4275'	1175'	36	6	36	6		21	
ANCHORS & GROUNDING INCLUDED	GAC3455TC	P AGK	1GGX	BGK3GGX	CPC.5/.75	3/4x12	2PP T	BSAFETY	
	6		2	3	6	1		6	

290' ROHN 45G All parts shown in table are included when ordering Part No: 45G90R290



	TOWER PARTS	45G	BPG	BPC45G		APL45G	GA45GD	BASE	INN ANCI	IER HOR	OUTER ANCHOR
	INCLUDED	30		1		1	7	CB3G	AB2		AB2
	GUYS &	3/16EHS	1/4EHS	BG214	42	BG2144	5/16THH	3/8TI	H	1/2	TBE&J
,	INCLUDED	4350'	1200'	36		6	36	6			21
		GAC3455TC	DP AGK	1GGX	В	GK3GGX	CPC.5/.75	3/4x12	2PP	TBS	SAFETY
	GROUNDING INCLUDED	6		2		3	6	1			6

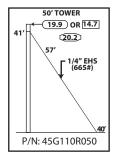
300' ROHN 45G All parts shown in table are included when ordering Part No: 45G90R300



	450	45000	DDC450	CA45CD	FDNS
TOWER PARTS	45G	45AG2	BPC45G	GA45GD	BASE ANCHOR
INCLUDED	3	1	1	1	CB1G AB2
GUYS & CONNECTIONS	1/4EHS	BG2144	3/8THH	1/2TBE&J	TBSAFETY
INCLUDED	150'	6	6	3	3
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP
GROUNDING INCLUDED	3	1	3	3	1

40' ROHN 45G All parts shown in table are included

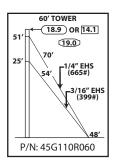
when ordering Part No: 45G110R040



TOWER PARTS	45G	45AG2	BPC45G	GA45GD	FDNS BASE ANCHO
INCLUDED	4	1	1	1	CB1G AB2
GUYS & CONNECTIONS	1/4EHS	BG2144	3/8THH	1/2TBE&J	TBSAFETY
INCLUDED	200'	6	6	3	3
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP
GROUNDING INCLUDED	3	1	3	3	1

50' ROHN 45G

All parts shown in table are included when ordering Part No: 45G110R050



TOWER PARTS	45G		45	AG2	ı	BPC45G	GA45G	D		ONS ANCHOR		
INCLUDED	5			1		1	2		CB1G	AB2		60 ⁴
GUYS & CONNECTIONS	3/16EHS	1/4E	EHS	BG214	12	BG2144	5/16THH	3/8	зтнн	1/2TBE	&J	tabl
INCLUDED	175'	22	25'	6		6	6		6	6		Part
ANCHORS & GROUNDING	GAC3455T	OP A	4GK	1GGX	В	GK3GGX	CPC.5/.	75	3/4	x12PP	ТВ	SAFETY
INCLUDED	3			1		3	3			1		3

60' ROHN 45G

All parts shown in table are included when ordering art No: 45G110R060

	70' TOWER
61′	18.0 OR 13.7
"	18.2
29'	83' -1/4" EHS
	63' (665#)
	_3/16" EHS
	(399#)
	56'
P	/N: 45G110R070

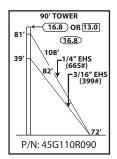
TOWER PARTS	45G	45	AG2	BPC45G	GA45G		FDNS ANCHOR	70/	DOUN 456
INCLUDED	6		1	1	2	CB10	AB2	All p	ROHN 45G parts shown in
GUYS & CONNECTIONS	3/16EHS 1	4EHS	BG214	2 BG2144	5/16THH	3/8THF	1/2TBE	ΩΙ	e are included nen ordering
INCLUDED	225'	275'	6	6	6	6	6	Part N	lo: 45G110R070
ANCHORS &	GAC3455TO	AGK	1GGX	BGK3GGX	CPC.5/.	75 3/	4x12PP	TBSAFETY	
GROUNDING INCLUDED	3		1	3	3		1	3	

71'	80' TOWER (17.4) OR 13.4
35′ -	73' 1/4" EHS (665#) 73/16" EHS (399#)
<u> </u> P/	/N: 45G110R080

TOWER PARTS	45G	45	AG2	BPC45G	GA45GI	D		ONS ANCHOR	001	DOUN 456
INCLUDED	7		1	1	2	(CB1G	AB2	All p	ROHN 45G arts shown in
GUYS & CONNECTIONS	3/16EHS 1/	4EHS	BG214	2 BG2144	5/16THH	3/8	ВТНН	1/2TBE	&J wh	e are included en ordering
INCLUDED	250'	325'	6	6	6		6	6	Part N	lo: 45G110R080
	GAC3455TOF	AGK	1GGX	BGK3GGX	CPC.5/.	75	3/4	x12PP	TBSAFETY	
GROUNDING INCLUDED	3		1	3	3			1	3	

INCLUDED

STANDARD DESIGN - 45G 110MPH REV. G, 90MPH REV. F

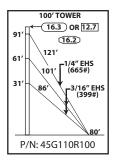


TOWER PARTS	45G	45	AG2	ı	BPC45G	GA45G	D		ONS ANCHOR		
INCLUDED	8		1		1	2	(CB1G	AB2		90 '
GUYS & CONNECTIONS	3/16EHS 1	/4EHS	BG214	2	BG2144	5/16THH	3/8	STHH	1/2TBE	&J	tabl
INCLUDED	275'	350'	6		6	6		6	6		Part
ANCHORS & GROUNDING	GAC3455TO	P AGK	1GGX	В	GK3GGX	CPC.5/.	75	3/4	x12PP	ТВ	SAFETY
	1	1				1		1		1	

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90' ROHN 45G All parts shown in table are included when ordering Part No: 45G110R090

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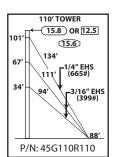


TOWER PARTS	45G	45	AG2	BPC45G	GA45G		ANCHOR		
INCLUDED	9		1	1	3	CB10	AB2		O' ROHN 45G
GUYS & CONNECTIONS	3/16EHS	/4EHS	BG214	2 BG2144	5/16THH	3/8THF	1/2TBE	&J tab	ole are included when ordering
INCLUDED	600'	400'	12	6	12	6	9		No: 45G110R100
ANCHORS & GROUNDING	GAC3455TC	P AGK	1GGX	BGK3GGX	CPC.5/.	75 3/-	4x12PP	TBSAFETY	
INCLUDED	3		1	3	3		1	3	

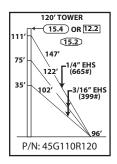
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TOWER PARTS	45G	45	AG2	BPC45G	GA45GI	O		ONS ANCHOR			
INCLUDED	10		1	1	3	(CB1G	AB2			D' ROHN 45G parts shown in
GUYS & CONNECTIONS	3/16EHS	/4EHS	BG214	2 BG2144	5/16THH	3/8	тнн	1/2TBE	&J	tab	le are included then ordering
INCLUDED	675'	450'	12	6	12		6	9			No: 45G110R110
	GAC3455TC	P AGK	1GGX	BGK3GGX	CPC.5/.	75	3/4	x12PP	TB	SAFETY	
GROUNDING INCLUDED	3		1	3	3			1		3	

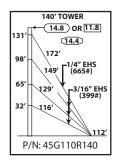


TOWER PARTS	45G	45	AG2	BPC45G	GA45GI	D	FI BASE	DNS ANCH	IOR		
INCLUDED	11		1	1	3	C	CB1G	AB	2		120' ROHN 45G All parts shown in
GUYS & CONNECTIONS	3/16EHS	1/4EHS	BG214	2 BG2144	5/16THH	3/8	ВТНН	1/2TI	3E&J		table are included when ordering
INCLUDED	725'	475'	12	6	12		6	ę	9	F	Part No: 45G110R120
	GAC3455TC	DP AGK	1GGX	BGK3GGX	CPC.5/.7	75 3	3/4x1	2PP	TBSA	FETY	
GROUNDING INCLUDED	3		1	3	3		1			3	

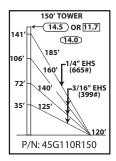
121'- 78'- 35'-	130' TOWER 15.1 OR [12.0] 14.8 160' 130' 1/4" EHS (665#) 110' 3/16" EHS (399#)
 P/	N: 45G110R130

TOWER PARTS	45G	45	AG2	BPC45G	GA45GI	D	FI BASE	ONS ANCH	HOR		
INCLUDED	12		1	1	3		CB1G	B1G AB2			130' ROHN 45G All parts shown in
GUYS & CONNECTIONS	3/16EHS	/4EHS	BG214	2 BG2144	5/16THH	3/8	зтнн	1/2T	BE&J		table are included when ordering
INCLUDED	775'	525'	12	6	12		6		9		Part No: 45G110R130
ANCHORS &	GAC3455TC	PAGK	1GGX	BGK3GGX	CPC.5/.7	75	3/4x1	2PP	TBSA	FETY	
GROUNDING INCLUDED	3		1	3	3		1			3	



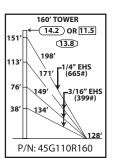


TOWER PARTS	45G	45	AG2	BPC45G	GA45GI	D BA	FDNS ASE ANCI	HOR		
INCLUDED	13		1	1	4	CB	31G AE	2	_	40' ROHN 45G Il parts shown in
	3/16EHS 1	/4EHS	BG2142	BG2144	5/16THH	3/8TI	HH 1/2T	BE&J	l .	ble are included when ordering
CONNECTIONS INCLUDED	1275'	550'	18	6	18	6		12	Pai	rt No: 45G110R140
ANCHORS &	GAC3455TO	AGK	1GGX I	BGK3GGX	CPC.5/.	75 3/	/4x12PF	TBS	AFETY	
GROUNDING INCLUDED	3		1	3	3		1		3	



TOWER PARTS	45G	45AG2			BPC45G	GA45GI	D BA	FDNS SE ANC		
INCLUDED	14		1		1	4	CB ⁻	1G AE	32	_ 1: _ A
GUYS & CONNECTIONS	3/16EHS	1/4EH	BG214	42	BG2144	5/16THH	3/8TH	HH 1/27	BE&	
INCLUDED	1375'	600'	18		6	18	6		12	Pa
ANCHORS &	GAC3455T0	OP AG	K1GGX	В	GK3GGX	CPC.5/.7	75 3/4	x12PF	TBS	AFETY
GROUNDING INCLUDED	3		1		3	3		1		3

50' ROHN 45G All parts shown in ble are included when ordering rt No: 45G110R150



TOWER PARTS	45G	45	45AG2		BPC45G	GA45GD		FDNS BASE ANCHO		OR	
INCLUDED	15		1		1	4		CB2G	AB2	!	16
GUYS & CONNECTIONS	3/16EHS	1/4EHS	BG214	12	BG2144	5/16THH	3/8	втнн	1/2TE	BE&J	tak
INCLUDED	1450'	650'	18		6	18		6	12	2	Part
ANCHORS & GROUNDING	GAC3455T0	OP AG	(1GGX	В	GK3GGX	CPC.5/.	75	3/4x′	12PP	TBS	SAFETY
INCLUDED	3		1		3	3		1			3

160' ROHN 45G
All parts shown in
table are included
when ordering
Part No: 45G110R160

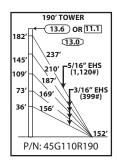
170' TOWER 14.0 OR 11.4 161 13.6 211′ 128 96 166 150' 32′ 140' 136 P/N: 45G110R170

TOWER PARTS	45G	45A	45AG2		PC45G	GA45G	D		DNS ANCHOR	170	' ROHN 45G			
INCLUDED	16	1			1	5	(CB2G	AB3		oarts shown in e are included			
GUYS & CONNECTIONS	3/16EHS	1/4EHS	BG2	142	BG2144	5/16THH	3/8	BTHH	5/8TBE	~0	when ordering Part No: 45G110R170			
INCLUDED	2050'	675'	24		6	24	6		15	raiti	10. 4301101170			
ANCHORS & GROUNDING	GAC5655TO	AGK1	GGX	ВС	K3GGX	CPC1/1	.25	3/4	x12PP	TBSAFETY				
INCLUDED	3	1			3	3			1	3				

	180' TOWER
172′	13.8 OR 11.2 13.2
135′	224'
99′	197' 5/16" EHS (1,120#)
66′	158' \ \ \ \ (399#)
33′	148'
l _	144′
F	P/N: 45G110R180

TOWER BARTS	45G	45GI	_2*	BPC45G	GA45G	D	APL4	5G -		DNS	
TOWER PARTS								BA	(SE	ANCHOR	
INCLUDED	17	1		1	5		1	СВ	2G	AB3	180' ROHN 45G All parts shown in
	3/16EHS	142265	BG21	142BG2146	5/16THH	7/10	6ТНН	5/8TBE	E&J		table are included
CONNECTIONS INCLUDED	2175'	725'	24	6	24		6	15			when ordering Part No: 45G110R180
ANCHORS &	GAC5655TO	P AGK10	GGX	BGK3GGX	CPC1/1	.25	3/4	x12PP	ТВ	SAFETY	
GROUNDING INCLUDED	3	1		3	3			1		3	

* 45GL2 Lug section required for 5/16" guy



TOWER PARTS	45G	45GI	L2*	BPC45G		GA45G	D	APL45G		BASE	FDNS ANCHOR	
INCLUDED	18	1	1		1	5		1		CB20	AB3	
GUYS & CONNECTIONS	3/16EHS	142265	BG2	142	BG2146	5/16THH	7/16	6THH	5/87	ГВЕ&	J	
INCLUDED	2300'	725'	24	ļ	6	24		6		15		Р
ANCHORS & GROUNDING	GAC5655TC	P AGK1	GGX	ВС	SK3GGX	CPC1/1	.25	3/4	x12F	PP T	BSAFET	Y
INCLUDED	3	1			3	3			1		3	

190' ROHN 45G

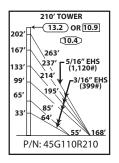
All parts shown in table are included when ordering Part No: 45G110R190

	200' TOWER
192′	13.4 OR 11.0 10.6
155′	250' -5/16" EHS
115′	197' (1,120#)
75′	177' \ \(\bar{\gamma}^{3/16'' \text{ EHS}} \) (399#)
35′	164'
IШ	160′
P/	N: 45G110R200

TOWER PARTS	45G	45GI	L2*	В	PC45G	GA45G	D	APL ²	I5G	BASE	FDNS ANCHOR
INCLUDED	19	1			1	5		1		CB2G	AB3
GUYS & CONNECTIONS	3/16EHS	142265	42265 BG21		BG2146	5/16THH	7/1	16THH 5/8		ГВЕ&	J
INCLUDED	2425'	800'	24	ļ	6	24		6		15	
ANCHORS &	GAC5655TC	P AGK1	GGX	ВС	SK3GGX	CPC1/1	.25	3/4	x12F	PP T	BSAFETY
GROUNDING INCLUDED	3	1		3		3		1			3

200' ROHN 45G

All parts shown in table are included when ordering Part No: 45G110R200



TOWER PARTS	45G BPC		C45G 45GL		.2*	APL45G	GA45GD	BASE	INNER ANCHOR	OUTER ANCHOR	
INCLUDED	20		1	1		1	6	CB3G	AB2	AB3	
	3/16EHS		142265		BG2142		BG2146	5/1	6THH		:
GUYS & CONNECTIONS	2550	,	85	50'		30	6		30		
INCLUDED	7/16TH	HH 1/2T		BE&J	5/8	BTBE&J	TBSAFETY	3/4	x12PP		F
	6			6		12	6		1		
ANCHORS & GROUNDING	GAC5655TOP		GAC3	455TOP	ΑG	K1GGX	BGK3GGX	CPC	0.5/.75	CPC1/	1.25
INCLUDED	3			3		2	3		3	3	

210' ROHN 45G

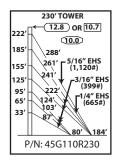
All parts shown in table are included when ordering Part No: 45G110R210

	220' TOWER
212'	13.0 OR 10.8
175′	276′
139′	248' 5/16" EHS (1,120#)
105′	73/16" EHS
69'	205' 1/4" EHS (665#)
35'	69′
\perp	60′ 176′
Р	/N: 45G110R220

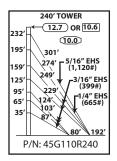
TOWER PARTS	45G	BP	C45G	45GL	.2*	APL45G	GA45GD	BASE	INNER ANCHOR	OUTER ANCHOR			
INCLUDED	21		1	1		1	6	CB3G	AB2	AB3			
	3/16EH	HS	1/4	EHS	1	42265	BG2142	ВС	G2144	BG214	6	220' ROHN All parts show	
GUYS & CONNECTIONS	1875'		800'			900'	24		6	6		table are inclu when orderi	
INCLUDED	5/16TH	Н	3/8	ТНН	7/	16THH	1/2TBE&J	5/8	TBE&J	TBSAFET	Υ	Part No: 45G11	0R220
	24		(6		6	6		12	6			
	GAC5658	ТОР	GAC3	455TOP	AG	K1GGX	BGK3GGX	CPC	C.5/.75	CPC1/1	1.25	3/4X12PP	
GROUNDING INCLUDED	3			3		2	3		3	3		1	

^{* 45}GL2 Lug section required for 5/16" guy



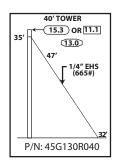


TOWER PARTS	45G	BPC4	5G APL450	GA45GD	45GL2*	BASE INNER		OUTER ANCHOR			
INCLUDED	22	1	1	7	1	CB3G	AB2	AB3			
	3/16EHS		1/4EHS	142265	BG2142	BG2144		BG2146		All parts sho	
GUYS & CONNECTIONS	24	75'	850'	925'	30		6	6		table are incl when orde	
INCLUDED	5/16	тнн	3/8THH	7/16THH	1/2TBE&	J 5/8	TBE&J	TBSAFI	ETY	Part No: 45G1	10R230
	3	30	6	6	9		12	6			
ANCHORS & GROUNDING	GAC3455TOP		GAC5655TOP	AGK1GGX	BGK3GGX	CPC	C.5/.75	CPC1/1	.25	3/4x12PP	
INCLUDED		3	3	2	3		3	3		1	



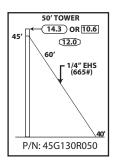
TOWER PARTS	45G	BPC4	5G AF	PL45G	GA45GD	45GL2*	BASE	INNER ANCHOR	OUTER ANCHOR			
INCLUDED	23	1		1	7	1	CB3G	AB2	AB3			
	3/16	EHS	1/4E	HS	142265	BG2142	ВС	G2144	BG21	46	240' ROHI	
GUYS & CONNECTIONS	2525'		87	5'	975'	30		6	6		All parts sho table are inc	luded
INCLUDED	5/16THH		3/8T	ГНН	7/16THH	1/2TBE&	J 5/8	TBE&J	TBSAF	ETY	when orde Part No: 45G1	9
	3	30	6	6	6	9		12	6			
ANCHORS & GROUNDING	GAC3455TOP		GAC56	555TOP	AGK1GGX	BGK3GG>	CPC	0.5/.75	CPC1/1	.25	3/4x12PP	
INCLUDED		3		3	2	3		3	3		1	

 $^{^{*}}$ 45GL2 Lug section required for 5/16" guy



TOWER PARTS	45G	45AG2	BPC45G	GA45GD	FDNS BASE ANCHOR
INCLUDED	3	1	1	1	CB1G AB2
GUYS & CONNECTIONS	1/4EHS	BG2144	3/8THH	1/2TBE&J	TBSAFETY
INCLUDED	150'	6	6	3	3
	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP
GROUNDING INCLUDED	3	1	3	3	1

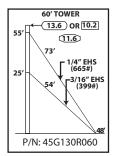
40' ROHN 45G All parts shown in table are included when ordering Part No: 45G130R040



TOWER PARTS	45G	45AG2	BPC45G	GA45GD	FDNS BASE ANCHOR
INCLUDED	4	1	1	1	CB1G AB2
GUYS &	1/4EHS	BG2144	3/8THH	1/2TBE&J	TBSAFETY
CONNECTIONS INCLUDED	200'	6	6	3	3
ANCHORS &	GAC3455TOP	AGK1GGX	BGK3GGX	CPC.5/.75	3/4x12PP
GROUNDING INCLUDED	3	1	3	3	1

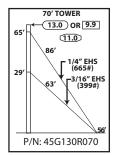
50' ROHN 45G All parts shown in table are included when ordering

Part No: 45G130R050



TOWER PARTS	45G	45	AG2	BPC45G	GA45GI	D		DNS ANCHOR			
INCLUDED	5		1	1	2	(CB1G	AB2			OHN 45G
GUYS & CONNECTIONS	3/16EHS 1	/4EHS	BG214	2 BG2144	5/16THH	3/8	зтнн	1/2TBE	&J	table ar	e included ordering
INCLUDED	175'	250'	6	6	6		6	6			45G130R060
ANCHORS & GROUNDING	GAC3455TC	P AGK	(1GGX	BGK3GGX	CPC.5/.	75	3/4	x12PP	TI	BSAFETY	
INCLUDED	3		1	3	3			1		3	

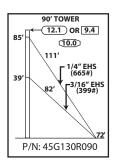
GUYS & CONNECTIONS	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE	&J	table a when
INCLUDED	175'	250'	6	6	6	6	6		Part No:
	GAC3455T	OP AGK	(1GGX	BGK3GGX	CPC.5/.	75 3/4	1x12PP	TE	BSAFETY
GROUNDING INCLUDED	3		1	3	3		1		3
			·						
	45C	15	AG2	RDC//5C	GA45G		FDNS		



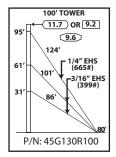
TOWER PARTS	45G	45	AG2	BPC45G	GA45GI	D	FDNS BASE ANCHOR				
INCLUDED	6		1	1	2	(CB1G	AB2	70' ROHN 450 All parts shown in		
GUYS & CONNECTIONS	3/16EHS 1	/4EHS	BG214	2 BG2144	5/16THH	3/8	зтнн	1/2TBE	&J		e included ordering
INCLUDED	225'	275'	6	6	6		6	6			45G130R070
ANCHORS & GROUNDING	GAC3455TO	PAGK	1GGX	BGK3GGX	CPC.5/.	75	3/4	x12PP	TE	BSAFETY	
INCLUDED	3		1	3	3			1		3	

	80' TOWER
75'	← 12.5 OR 9.6
/3	10.6
	99'
	Γ 1/4" EHS (665#)
35′	-3/16" EHS
	73' (399#)
	\1\
ᅵᅼ	64'
1	/N: 45G130R080

TOWER PARTS	45G	45/	AG2	BPC45G	GA45GI	D		ONS ANCHOR			
INCLUDED	7		1	1	2	(CB1G	AB2			OHN 45G ts shown in
GUYS & CONNECTIONS	3/16EHS 1/	4EHS	BG214	2 BG2144	5/16THH	3/8	втнн	1/2TBE	&J tab	ole ar	re included ordering
INCLUDED	250'	325'	6	6	6	6		6			45G130R080
	GAC3455TOF	AGK	1GGX	BGK3GGX	CPC.5/.	75	3/4	x12PP	TBSAFE	ETY	
GROUNDING INCLUDED	3		1	3	3			1	3		

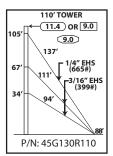


TOWER PARTS	45G	45	AG2	BPC45G	GA45G	D	FDNS BASE ANCHOR		R		
INCLUDED	8		1	1	2	C	CB1G	AB2			Y ROHN 45G parts shown in
GUYS & CONNECTIONS	3/16EHS 1	/4EHS	BG214	2 BG2144	5/16THH	3/8	THH	1/2TBI	E&J		ole are included when ordering
INCLUDED	275'	375'	6	6	6		6	6		Part	No: 45G130R090
ANCHORS &	GAC3455TO	AGK	(1GGX	BGK3GGX	CPC.5/.	75	3/4×	12PP	TBSA	AFETY	
GROUNDING INCLUDED	3		1	3	3			1		3	



	TOWER PARTS	45G	45	AG2	BPC45G	GA45G	D		DNS ANCHO	DR		
	INCLUDED	9		1	1	3		CB1G	AB2			100' ROHN 45G All parts shown in
	GUYS & CONNECTIONS INCLUDED	3/16EHS 1	/4EHS	BG214	2 BG2144	5/16THH	3/8	8ТНН	1/2TB	E&J		table are included when ordering
		600'	400'	12	6	12		6	9		Р	art No: 45G130R100
	ANCHORS &	GAC3455TC	P AGK	1GGX	BGK3GGX	CPC.5/.	75	3/4x	12PP	TBSA	FETY	
	GROUNDING INCLUDED	3		1	3	3			1	3	3	

TOWER PARTS	45G		45AG2		ı	BPC45G	GA45GI	D	BASE	DNS ANCH	IOR	
INCLUDED	10		1			1	3		CB1G			
GUYS &	3/16EHS	1/4	EHS	BG214	12	BG2144	5/16THH	3/	8ТНН	1/2TI	BE&J	
CONNECTIONS INCLUDED	675'	4	50'	12		6	12		6	(9	
ANCHORS &	GAC3455TC	OP	AGK	1GGX	В	GK3GGX	CPC.5/.7	75	3/4x1	2PP	TBSA	FETY
GROUNDING INCLUDED	3			1		3	3		1		3	,



-											
	TOWER PARTS	45G	45	GL5*	BPC45G	GA45G	D	APL4	45G		FDNS ANCHOR
	INCLUDED	11		1	1	3		1		CB10	AB2
	GUYS & CONNECTIONS	3/16EHS 1	42265	BG214	BG2146	5/16THH	7/1	6THH	1/2TBI	E&J5	/8TBE&J
	INCLUDED	725'	500'	12	6	12		6	6		3
	ANCHORS &	GAC3455TO	AGK	1GGX	BGK3GGX	CPC.5/.	75	3/4x	12PP	TBS	SAFETY
	GROUNDING INCLUDED	3		1	3	3			1		3

120' TOWER									
115	← 11.1 OR 8.8								
'''	8.6								
	150′								
75′	-5/16"EHS (1,120#)								
	73/16" EHS (399#)								
35′	102'								
	\1\/								
—	96′								
P/N: 45G130R120									

TOWER PARTS	45G	45GL5*	BPC45G	GA45GD	APL45G		DNS ANCHOR
INCLUDED	12	1	1	3	1	CB2G	AB3
	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG	2146
GUYS & CONNECTIONS	350'	425'	525'	6	6		6
INCLUDED	5/16THH	3/8THH	7/16THH	5/8TBE&J	TBSAFETY		
	6	6	6	9	3		
ANCHORS &	GAC5655TOP	AGK1GGX	BGK3GGX	CPC1/1.25	3/4x12PP		
GROUNDING							

120' ROHN 45G All parts shown in table are included when ordering Part No: 45G130R120

110' ROHN 45G

All parts shown in

table are included

when ordering Part No: 45G130R110

130' TOWER 10.9 OR 8.6 **8.2** -5/16"EHS (1,120#) _3/16" EHS (399#) P/N: 45G130R130

All parts shown in table are included when ordering Part No: 45G130R130

130' ROHN 45G

* 45GL5 Lug section required for 5/16" guy

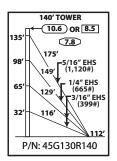
3

INCLUDED

GROUNDING INCLUDED

3

STANDARD DESIGN - 45G 130MPH REV. G, 110MPH REV. F



TOWER PARTS	45G	45GL5*	BPC45G	GA45GD	APL45G		DNS ANCHOR
INCLUDED	13	1	1	4	1	CB2G	
	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG	2146
GUYS & CONNECTIONS	800'	475'	575'	12	6	6	
INCLUDED	5/16THH	3/8THH	7/16THH	5/8TBE&J	TBSAFETY		
	12	6	6	12	3		
ANCHORS &	GAC5655TOP	AGK1GGX	BGK3GGX	CPC1/1.25	3/4x12PP		
GROUNDING INCLUDED	3	1	3	3	1		

140' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G130R140

\Box	150' TOWER
l r	← 10.4 OR 8.4
145′	7.4
106′	188' -5/16" EHS 160' (1,120#)
72′	1/4" EHS (665#) 73/16" EHS
35′	125' (399#)
ᅵᅼ	120′
P	/N: 45G130R150

	450	4501.5*	DD0450	GA45GD	A DI 450	FDNS		
TOWER PARTS	45G	45GL5*	BPC45G	GA45GD	APL45G		ANCHOR	
INCLUDED	14	1	1	4	1	CB2G	AB3	
	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG	2146	
GUYS & CONNECTIONS	850'	525'	600'	12	6	6		
INCLUDED	5/16THH	3/8THH	7/16THH	5/8TBE&J	TBSAFETY			
	12	6	6	12	3			
ANCHORS &	GAC5655TOP	AGK1GGX	BGK3GGX	CPC1/1.25	3/4x12PP			

150' ROHN 45G All parts shown in table are included when ordering

Part No: 45G130R150

3

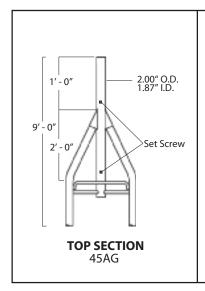
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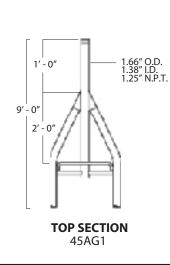
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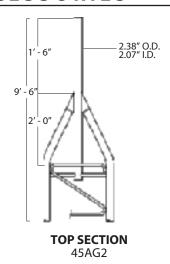
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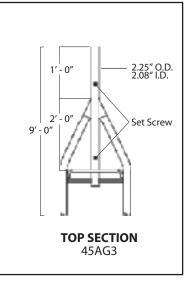
^{* 45}GL5 Lug section required for 5/16" guy

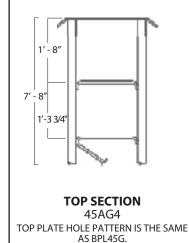
PARTS & ACCESSORIES

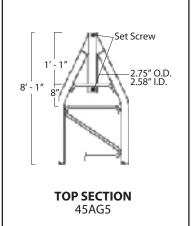


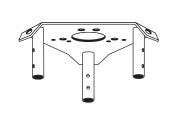






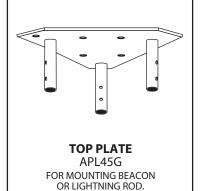


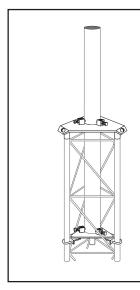




BEARING PLATE
BPL45G

CONVERTS STANDARD SECTION TO A
TOP SECTION. HOLE PATTERN FITS
TB3 (2" O.D.) AND TB4 (3" O.D.)
THRUST BEARINGS.





TOP MOUNT

45TDMKD - NO MAST

45TDM2S3KD - 2 3/8" O.D. MAST

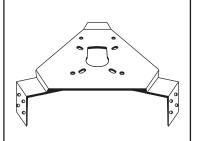
45TDM25S3KD - 2 7/8" O.D. MAST

45TDM3S3KD - 3 1/2" O.D. MAST

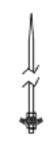
45TDM35S3KD - 4" O.D. MAST

45TDM4S3KD - 4 1/2" O.D. MAST

MOUNTING TUBE PROVIDED IS 7' LONG.

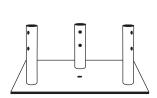


ACCESSORY SHELF AS455G FOR MOUNTING MANY POPULAR ROTORS. FIELD DRILLING MAY BE NECESSARY FOR SOME ROTORS.



LIGHTNING ROD LRCL 5' COPPER CLAD MOUNTS TO APL45G.

PARTS & ACCESSORIES



CONCRETE BASE PLATE BPC45G*

FOR USE WITH 3/4X12PP PIER PIN EMBEDDED IN CONCRETE.

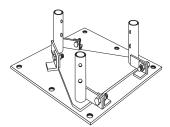
CONCRETE BASE PLATE IS TO BE USED FOR BRACKETED AND GUYED APPLICATIONS ONLY.



PIER PIN 3/4X12PP

FOR USE WITH BPC45G EMBEDDED IN CONCRETE.

PIER PIN MUST BE ORDERED SEPARATELY, UNLESS BEING **PURCHASED AS PART OF** A COMPLETE TOWER KIT.



HINGED BASE PLATE BPH45G*

FOR USE WITH 5/8X12BB BASE BOLTS (ORDERED SEPARATELY). HINGED TO ALLOW TOWER TO BE ROTATED UP FROM BASE DURING INSTALLATION.

HINGED BASE PLATE IS TO BE USED FOR BRACKETED AND GUYED APPLICATIONS ONLY.

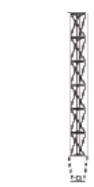


BASE BOLT

5/8X12BB

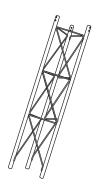
FOR USE WITH BPH45G

(6) REQUIRED, ORDERED SEPARATELY.



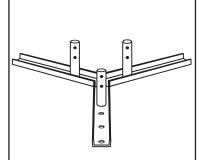
TAPERED BASE 45TG*

CAN BE USED WITH A4197L BASE INSULATOR OR WITH 3/4X12PP, ORDERED SEPARATELY.



5' SHORT BASE SB45G

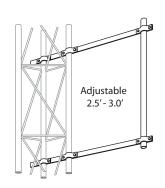
FOR EMBEDMENT IN CONCRETE.



FLAT ROOF MOUNT

FR45G*

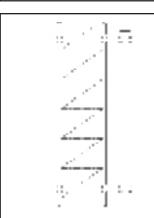
BOLTS DIRECTLY TO FLAT ROOF SURFACE.



SIDE ARM BRACKET

SA253UA

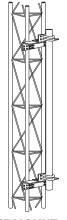
MOUNTING TUBE PROVIDED IS 3' LONG, 2 - 1/4" O.D.



DISH MOUNT

VY4311A2 - 23/8" O.D. VY4311A - 4 1/2" O.D.

MAST TUBE PROVIDED IS 5' LONG.



FACE MOUNT

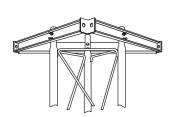
DM45G2 - 23/8" O.D. 5' LONG DM454 - 4 1/2" O.D. 5' LONG



HEAVY DUTY UNIVERSAL HOUSE BRACKET

HBUTVRO

ADJUSTABLE TO POSITION TOWER 18" - 36" FROM WALL.



TORQUE ARM STABILIZER ASSEMBLY

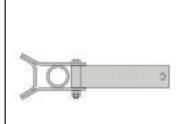
TA45

ANTI-TWIST DEVICE LOCATED IN THE AREA OF ANTENNAS. PROVIDES SIX-WAY GUYING. BOLTS TO TOWER AT ANY SECTION JOINT. ATTACHED WITH JOINT BOLTS. MUST BE INSTALLED AS SECTIONS ARE JOINED TOGETHER.

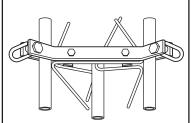
* TOWERS MOUNTED ON THESE BASES MUST BE BRACKETED OR GUYED AT ALL TIMES. TEMPORARY STEEL GUYING MAY ALSO BE NECESSARY DURING INSTALLATION AND DISMANTLING.



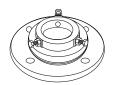
PARTS & ACCESSORIES



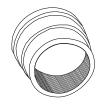
TORQUE BAR
TB45D
OPTIONAL, FOR USE WITH GA45GD.
REQUIRES (1) 3/8" SHACKLE
FOR EACH BAR.



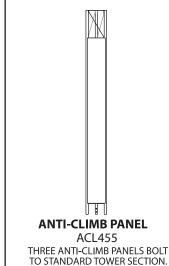
GUY BRACKET
GA45GD
MOUNTS TO TOWER AT ANY
HORIZONTAL BRACE.

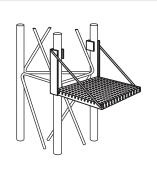


THRUST BEARING TB3 - SUPPORTS UP TO 2" O.D. MAST. TB4 - SUPPORTS UP TO 3" O.D. MAST. MOUNTS TO BPL45G AND 45AG4.

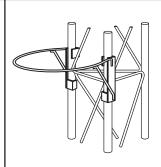


TOWER BUSHING TB50 - 1-1/4" I.D. X 2" O.D. FOR USE ON 45AG TOP SECTION

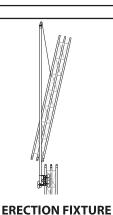




WORK PLATFORM
WP45G
SNAPS INTO PLACE AT ANY LEVEL.
NO BOLTS REQUIRED.



SAFETY RING SR245 SNAPS INTO PLACE AT ANY LEVEL. NO BOLTS REQUIRED.



EF2545 - 2 1/2" SHEAVE WITH 3/8" I.D. GROOVE. NOTE: ERECTION FIXTURES ARE FOR LIFTING ONE 10' SECTION AT A TIME AND ARE NOT INTENDED FOR THE LIFTING OF PERSONNEL.



CLIMBING HARNESS TTFBH-4D JOURNEYMAN HARNESS TTFBH-C/P PROFESSIONAL HARNESS

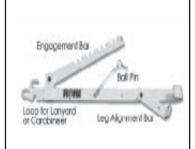


SAFETY CABLE SLIDER WITH CARABINEER TT-WG-500-W/SMC

SAFETY CABLE SYSTEM ORDERING INFORMATION

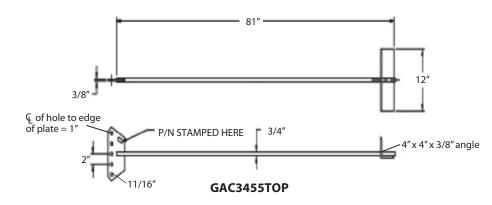
TOWER HEIGHT	PART NUMBER
50′	TT0504555
100′	TT1004555
150′	TT1504555
200′	TT2004555
250′	TT2504555
300′	TT3004555
350′	TT3504555

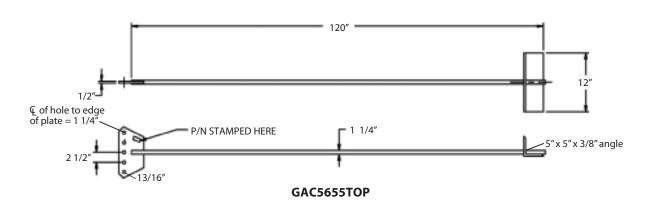
SAFETY CABLE SLIDER AND CLIMBING HARNESS MUST BE ORDERED SEPARATELY.

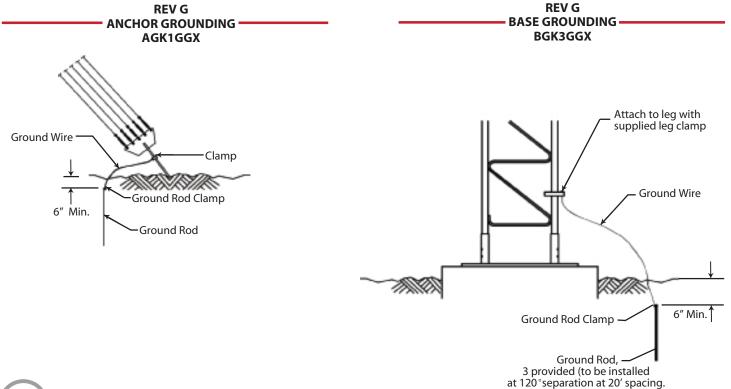


ASSEMBLY TOOL ROHNJACK Fits 25G, 45G, & 55G

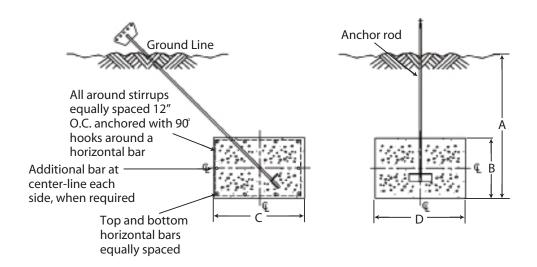
ANCHOR INFORMATION







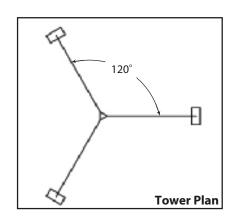
STANDARD ANCHOR BLOCKS

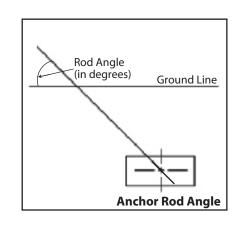


Refer to page 68 for anchor rod installation angles.

Block	Anch	or Dim	ensior	ns (in.)	Horizontal Bars	Stirrup Size	Concrete Vol.	
DIOCK	Α	В	3 C D		(Qty. & Size)	& Spacing	(Cu. Yds.)	
AB1	3' - 0"	1'-0"	3' - 0"	4' - 0"	(8) #5 Bars, Total (4) #5 Bars Top & Bottom Layers (0) Additional Bar, Each Side	#3 @ 12" O.C.	.044 Per Block 1.3 Total for 3	
AB2	4' - 0"	1' - 6"	4' - 0"	6' - 0"	(5) #6 Bars, Top Layer (5) #6 Bars, Bottom Layer (0) Additional Bar, Each Side	#3 @ 12" O.C.	1.33 Per Block 4.0 Total for 3	
AB3	6' - 0"	1' - 6"	3' - 0"	6' - 0"	(4) #6 Bars, Top Layer (4) #6 Bars, Bottom Layer (0) Additional Bar, Each Side	#3 @ 12" O.C.	1.0 Per Block 3.0 Total for 3	
AB4	6' - 0"	1' - 6"	4' - 0"	9' - 0"	(5) #6 Bars, Top Layer (5) #6 Bars, Bottom Layer (0) Additional Bar, Each Side	#4 @ 12" O.C.	2.0 Per Block 6.0 Total for 3	
AB5	8' - 0"	2' - 0"	3' - 0"	10′ - 0″	(4) #7 Bars, Top Layer (4) #7 Bars, Bottom Layer (1) Additional Bar, Each Side	#4 @ 12" O.C.	2.22 Per Block 6.7 Total for 3	
AB6	8' - 0"	2' - 0"	4' - 0"	10′ - 0″	(5) #7 Bars, Top Layer (5) #7 Bars, Bottom Layer (1) Additional Bar, Each Side	#4 @ 12" O.C.	2.96 Per Block 8.9 Total for 3	

ANCHOR ROD INSTALLATION ANGLES





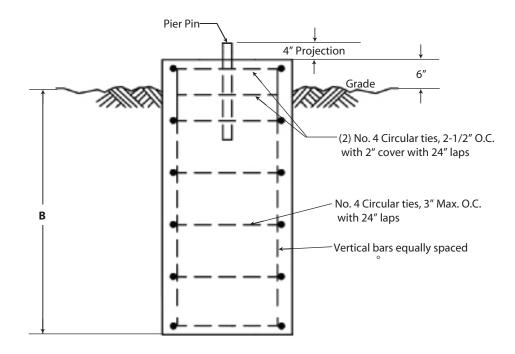
	45G	90N	1PH	
Tower Height	Inner Rod Number	Inner Rod Angle	Outer Rod Number	Outer Rod Angle
40′	GAC3455TOP	45	-	-
50′	GAC3455TOP	46	-	-
60′	GAC3455TOP	43	-	-
70′	GAC3455TOP	43	-	-
80′	GAC3455TOP	41	-	-
90′	GAC3455TOP	42	-	-
100′	GAC3455TOP	42	-	-
110′	GAC3455TOP	40	-	-
120′	GAC3455TOP	39	-	-
130′	GAC3455TOP	40	-	-
140′	GAC3455TOP	39	-	-
150′	GAC3455TOP	38	-	-
160′	GAC3455TOP	37	-	-
170′	GAC3455TOP	38	-	-
180′	GAC3455TOP	38	-	-
190′	GAC3455TOP	36	-	-
200′	GAC3455TOP	36	-	-
210′	GAC3455TOP	40	GAC3455TOP	44
220′	GAC3455TOP	40	GAC3455TOP	44
230′	GAC3455TOP	42	GAC3455TOP	42
240′	GAC3455TOP	42	GAC3455TOP	41
250′	GAC3455TOP	40	GAC3455TOP	43
260′	GAC3455TOP	40	GAC3455TOP	42
270′	GAC3455TOP	38	GAC3455TOP	43
280′	GAC3455TOP	38	GAC3455TOP	43
290′	GAC3455TOP	38	GAC3455TOP	44
300′	GAC3455TOP	38	GAC3455TOP	43

	45G	I IOMPH						
Tower Height	Inner Rod Number	Inner Rod Angle	Outer Rod Number	Outer Rod Angle				
40′	GAC3455TOP	45	-	-				
50′	GAC3455TOP	46	-	-				
60′	GAC3455TOP	41	-	-				
70′	GAC3455TOP	41	-	-				
80′	GAC3455TOP	41	-	-				
90′	GAC3455TOP	41	-	-				
100′	GAC3455TOP	39	-	-				
110′	GAC3455TOP	39	-	-				
120′	GAC3455TOP	39	-	-				
130′	GAC3455TOP	38	-	-				
140′	GAC3455TOP	38	-	-				
150′	GAC3455TOP	38	-	-				
160′	GAC3455TOP	38	-	-				
170′	GAC5655TOP	37	-	-				
180′	GAC5655TOP	37	-	-				
190′	GAC5655TOP	37	-	-				
200′	GAC5655TOP	37	-	-				
210′	GAC3455TOP	41	GAC5655TOP	42				
220′	GAC3455TOP	41	GAC5655TOP	42				
230′	GAC3455TOP	38	GAC5655TOP	43				
240′	GAC3455TOP	39	GAC5655TOP	43				

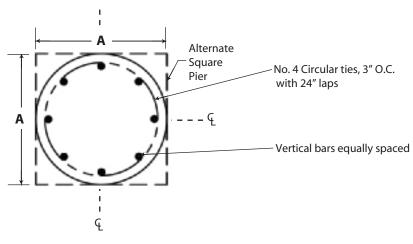
45G | 110MPH

45G 130MPH					
Tower	Rod	Rod			
Height	Number	Angle			
40′	GAC3455TOP	48			
50′	GAC3455TOP	48			
60′	GAC3455TOP	40			
70′	GAC3455TOP	40			
80′	GAC3455TOP	40			
90′	GAC3455TOP	40			
100′	GAC3455TOP	38			
110′	GAC3455TOP	38			
120′	GAC3455TOP	38			
130′	GAC5655TOP	38			
140′	GAC5655TOP	37			
150′	GAC5655TOP	37			

STANDARD BASE PIERS



ELEVATION VIEW



PLAN VIEW

Base	Α	В	Concrete Vol. (Cu. Yds.) Round Pier	Vertical Bars (No. & Size)
CB1G*	2' - 6"	4' - 0"	1.0	(8) #7
CB2G	3' - 0"	4' - 0"	1.2	(10) #7
CB3G	3' - 6"	4' - 0"	1.6	(12) #7

^{*} Square pier option must be used for CB1G.



GENERAL NOTES FOR G-SERIES TOWERS

- 1. The suitability of a ROHN standard design and standard foundation for a specific application must be verified by the purchaser based on site-specific data in accordance with ANSI/TIA-222-G.
- 2. The effective projected area and lines to be installed must not exceed the design values for the structure.
- 3. Structures supported on buildings or other structures require special consideration. Designs assume structures are installed on level grade.
- 4. Designs assume maintenance and inspection will be performed over the life of the structure in accordance with ANSI/TIA-222-G. All towers should be thoroughly inspected by qualified personnel and re-marked as required with appropriate danger and anti-climb labels at least twice a year to ensure safety and proper performance.
- 5. Standard Designs are intended to be climbed by skilled and competent climbers only. A safety climb system is required for all structures.
- 6. Installation and dismantling must be performed by qualified and experienced personnel and be in conformance with ANSI/TIA-222-G.
- 7. Standard guyed masts and bracketed towers are not stable without guys or brackets attached and will not support personnel in this condition. Temporary steel guys supplied by a qualified contractor may be required to maintain stability during installation or dismantling.
- 8. Do not install or dismantle structures within falling distance of electrical and/or telephone lines without taking special precautions in accordance with the appropriate utility.
- 9. All field connections are bolted.
- 10. The tolerance on installed height is equal to plus 1% and minus 1/2%.
- 11. Installation must be grounded in accordance with local and national codes. ANSI/TIA-222-G requires that the resistance to ground must not exceed 10 ohms. Additional grounding may be required in addition to the ROHN standard grounding kit provided with the tower.
- 12. Additional anchor rod corrosion protection may be required based on site-specific conditions.
- 13. Installation must be in conformance with local, state and federal requirements for obstruction marking and lighting.
- 14. Warning plate P/N: AWCS provided with the structure must be installed in a highly visible location.

G-SERIES FOUNDATION GENERAL NOTES

1. Standard foundation designs (unless otherwise noted) are in accordance with ANSI/TIA-222-G, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures," Section 9 and Annex F for the following presumptive clay soil parameters:

N (blows/ft)	ф (deg)	Y (lb/ft³)	c (psf)	Ultimate Bearing (psf)		Ultimate Skin Friction	k (pci)	& 50
	3.		,	Shallow Fdns.	Deep Fdns.	(psf)	•	
8	0	110	1000	5000	9000	500	150	0.01

2. The purchaser must verify that actual site soil parameters meet or exceed the assumed soil conditions and that the depth of standard foundations are adequate based on the frost penetration and/or zone of seasonal moisture variation at the site. Foundation design modifications may be required in the event the assumed soil parameters are not applicable for the actual subsurface conditions encountered.



G-SERIES FOUNDATION GENERAL NOTES

- 3. Foundation designs assume field inspections will be performed by the purchasers' representative to verify that construction materials, installation methods and assumed design parameters are acceptable based on the conditions existing at the site.
- 4. Work shall be in accordance with local codes, safety regulations and unless otherwise noted, the latest revision of ACI 318, "Building Code Requirements for Reinforced Concrete." Procedures for the protection of excavations, existing construction and utilities shall be established prior to foundation installations.
- 5. Concrete materials shall conform to the appropriate state requirements for exposed structural concrete.
- 6. Proportions of concrete materials shall be suitable for the installation method utilized and shall result in durable concrete for resistance to local anticipated aggressive actions. The durability requirement of ACI 318 Chapter 4 shall be satisfied based on the conditions expected at the site. As a minimum, concrete shall develop a minimum compressive strength of 4000 psi in 28 days.
- 7. Maximum size of aggregate shall not exceed the size suitable for the installation method utilized or 1/3 the clear distance behind or between reinforcing. Maximum size may be increased to 2/3 the clear distance provided workability and methods of consolidation such as vibrating will prevent honeycombs or voids.
- 8. Reinforcement shall be deformed and conform to the requirements of ASTM A615 Grade 60 unless otherwise noted. Splices in reinforcement shall not be allowed unless otherwise indicated.
- 9. Reinforcing cages shall be braced to retain proper dimensions during handling and throughout placement of concrete.
- 10. Welding is prohibited on reinforcing steel and embedments.
- 11. Minimum concrete cover for reinforcement shall be 3 inches unless otherwise noted. Appropriate spacers shall be used to insure a 3 inch minimum cover on reinforcement.
- 12. Concrete cover from top of foundations to ends of vertical reinforcement shall not exceed 3 inches nor be less than 2 inches.
- 13. Spacers shall be attached intermittently throughout the entire length of vertical reinforcing cages to insure concentric placement.
- 14. Foundation designs assume structural backfill to be compacted in 8 inch maximum layers to 95% of maximum dry density at optimum moisture content in accordance with ASTM D698. Additionally, structural backfill must have a minimum compacted until weight of 100 pounds per cubic foot.
- 15. Foundation designs assume level grade at the site.
- 16. Foundation installations shall be supervised by personnel knowledgeable and experienced with the proposed foundation type. Construction shall be in accordance with generally accepted installation practices.
- 17. Loose material shall be removed from bottom of excavations prior to concrete placement. Sides of excavations shall be rough and free of loose cuttings.
- 18. Concrete shall be placed in a manner that will prevent segregation of concrete materials and other occurrences which may decrease strength or durability.
- 19. Free fall concrete may be used provided fall is vertical down without hitting sides of excavation, form work, reinforcing bars, form ties, cage bracing or other obstructions. Under no circumstances shall concrete fall through water.
- 20. Concrete shall be placed against undisturbed soil except for piers in pier and pad foundations. Forms for piers shall be removed prior to placing structural backfill.
- 21. Construction joints, if required in piers must be at least 12 inches below bottom of embedments and must be intentionally roughened to a full amplitude of 1/4 inch. Foundation designs assume no other construction joints.
- 22. Tops of foundations shall be sloped to drain with a floated finished.
- 23. Exposed edges of concrete shall be chamfered 3/4" x 3/4".
- 24. Additional corrosion protection may be required for steel guy anchors in direct contact with soil. Design assumes periodic inspections will be performed over the life of the structure to determine if additional anchor corrosion protection measures must be implemented based on observed site-specific conditions.



FOUNDATION TOLERANCES

GENERAL

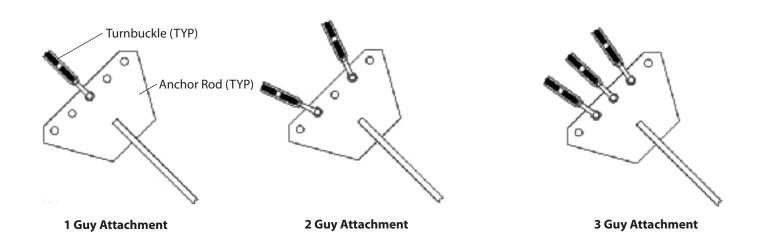
- 1. Concrete dimensions plus 2" or minus 0".
- 2. Depth of foundation plus 3" or minus 0".
- 3. Drilled foundations out-of-plumb 1.0 degree.
- 4. Reinforcing steel placement per A.C.I. 301.
- 5. Projection of embedments plus or minus 1/8".
- 6. Vertical embedments out of plumb 0.5 degree.

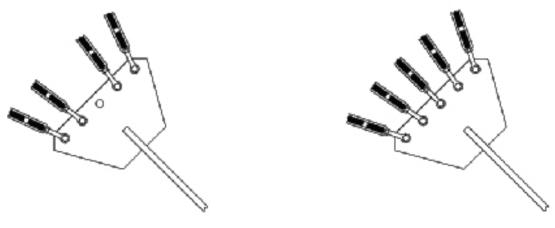
GUY ANCHORS

- 1. Guy radius plus or minus 5% of distance specified.
- 2. Anchor elevation plus or minus 5% of guy radius.
- 3. Anchor alignment (perpendicular to guy radius) 1.0 degree.
- 4. Anchor rod slope plus or minus 1.0 degree.
- 5. Anchor rod alignment with guy radius plus or minus 1.0 degree.
- 6. Anchor head out of plumb 1.0 degree.
- 7. Guy initial tension plus or minus 10% of tension specified.

Note: Tolerances in notes 1 & 2 cannot occur simultaneously.

GUY ARRANGEMENT DETAILS



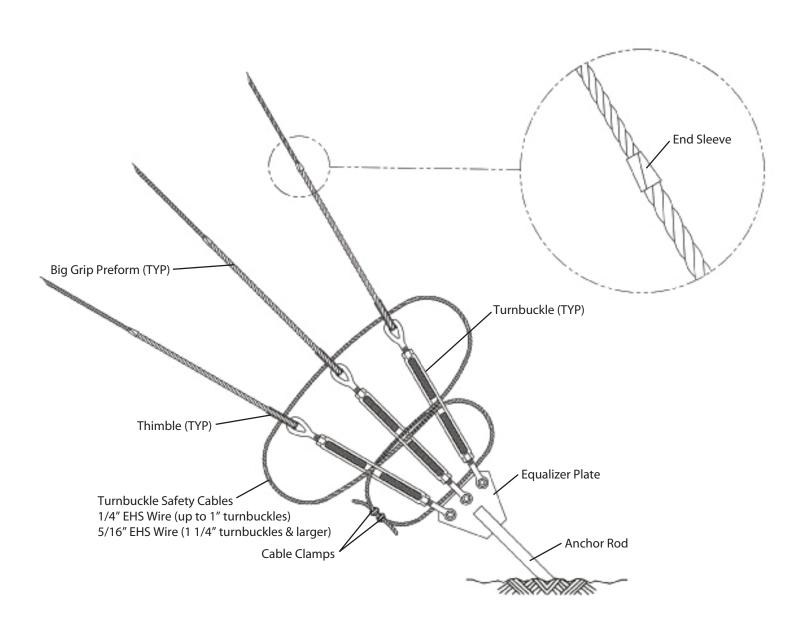


4 Guy	Attac	hment
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5 Guy Attachment

Wire Size	Anchor Rod	Turnbuckle	Thimble	Big Grip w/ End Sleeve	
3/16 EHS —	GAC3455TOP	1/2TBE&J	5/16THH	BG2142	
	GAC5655TOP	5/8TBE&J	5/16THH	DG2142	
	GAC3455TOP	1/2TBE&J	3/8THH		
1/4EHS	GAC5655TOP	5/8TBE&J	3/8THH	BG2144	
	GAC5755TOP	3/4TBE&J	3/8THH		
5/16EHS	GAC3455TOP	5/8TBE&J	7/16THH		
	GAC5655TOP	5/8TBE&J	7/16THH	BG2146	
	GAC5755TOP	3/4TBE&J	7/16THH		
	GAC3455TOP	5/8TBE&J	1/2THH		
3/8EHS	GAC5655TOP	5/8TBE&J	1/2THH	BG2174	
	GAC5755TOP	3/4TBE&J	1/2THH		

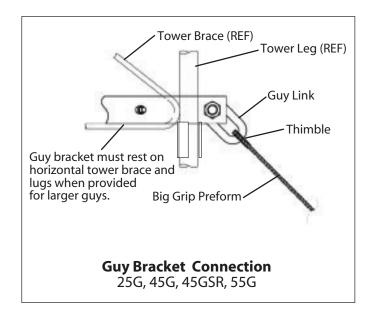
GUY ANCHOR CONNECTION DETAILS

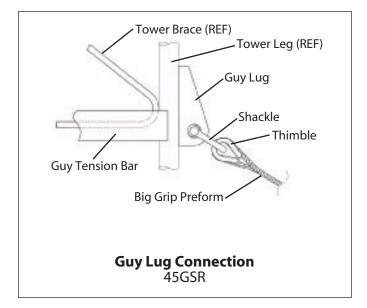


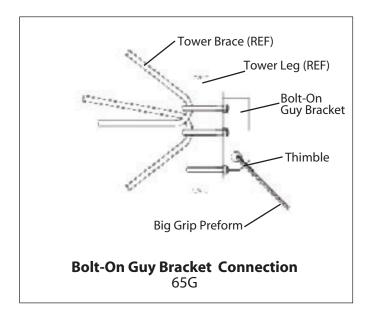
Anchor Connection



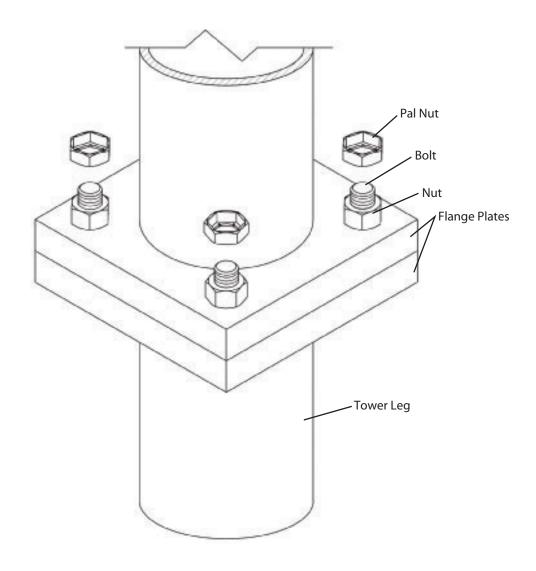
GUY MAST CONNECTION DETAILS







PAL NUT INSTALLATION



When pal nuts are provided, they are to be installed after nuts are tight and with edge lip out as shown. Pal nuts are not required when self-locking nuts or lock washers are provided.