



PRODUCT CATALOG

No. 3



65th Anniversary Edition
Established 1948

broadcast | wireless | sports lighting | utility | wind | transportation

Thank you for your interest in ROHN Products

For over sixty five years the ROHN name has been a leader in the telecommunications industry. The company has used our expertise in structural design and fabrication to expand into additional markets. ROHN is proud to service the major utility and wind energy companies in North America. These markets are just two of the latest to join telecom, sports lighting, broadband, broadcast and the others that have been using ROHN Products to support their infrastructure projects for six decades.

We are proud to offer the latest version of the ROHN Products Catalog (No. 3). There

If you have any questions, comments or suggestions regarding this catalog or any ROHN products, we are just a phone call away. On the adjacent page we have listed contacts that can assist you with any questions.

ROHN is committed to providing you the best products in the industry. Our towers are standing on every continent and in nearly every country around the world. That is because we are recognized around the globe as the quality leader in structures. We strive to continue that tradition this year and in the years to come.

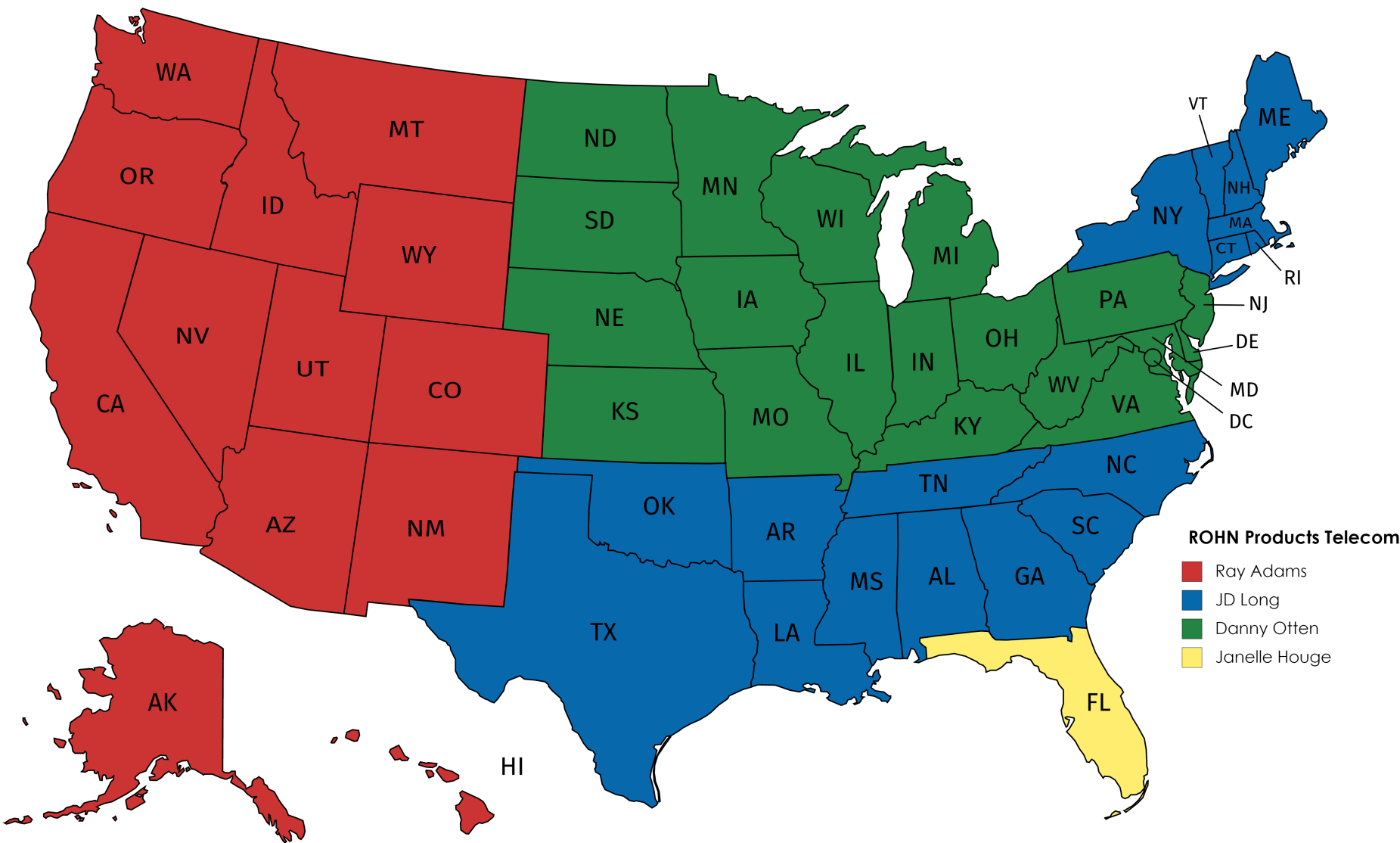
We appreciate your interest in our products and we appreciate your business.

Never Accept Second Best - Call ROHN
309-566-3000



The Industry Standard
Since 1948

The information contained in this catalog is intended to assist customers in selecting the appropriate ROHN product for specific applications. The information, drawings, etc. are not intended to be substituted for assembly drawings provided with a ROHN product. Dimensions and weights provided in this catalog are nominal. Refer to our website www.rohnnet.com for additional information and products. Due to continuous product improvement, all specifications and data are subject to change without notice or obligation. 2-2013 All Rights Reserved Copyright 2013



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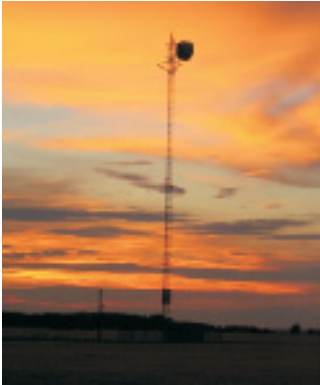
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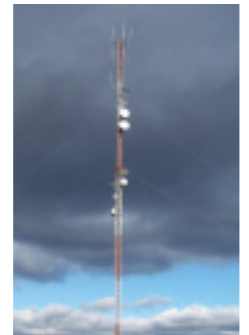
HISTORY



Founded in 1948, in Peoria, Illinois by Dwight Rohn, the ROHN product quickly became the industry standard for towers. The need for ROHN structures grew out of the television industry and a need for homeowners to have small towers adjacent to their homes to enable signal reception. The demand grew quickly and the company's knowledge and capacity were forced to grow with it. Soon television reception towers grew into radio towers, microwave towers, lighting structures and more. When the cellular technology exploded in the U.S., ROHN was there to provide the towers to support the rapid growth. This growth was not just in markets but in geographies.



By 1980, ROHN had structures standing on every continent and in nearly every country on the globe. We continue to supply towers and poles to all of the communication giants and regional carriers. We support utilities and transportation in all of North America. We have wind turbine towers and meteorological towers across the globe. For over 60 years, our products have endured and our name continues to be recognized around the world as the industry standard.



BROADCAST SOLUTIONS



When Americans turned on their first television sets, ROHN was there to improve fuzzy reception with our home antenna tower. During the 40's and 50's, a ROHN TV tower installed on a rooftop or in a backyard meant that family's TV reception was the best on the block, even if the picture was only black and white and the screen just 12 inches wide.

ROHN's business serves the broadcast side of TV as well. With the advent of digital TV and compliance with FCC standards, broadcasters are choosing to remain competitive by expanding their services into more areas. To do so, they look to ROHN to deliver "Tall Towers", super structures rising as high as 2,000 feet, to broadcast TV signals to millions of viewers in a much wider geographic area.



ROHN towers are some of the tallest structures in the world, and we build each tower in accordance with our exacting standards for quality, performance and structural integrity. Our tall towers are helping change the way the world receives and views television signals. This innovation is nothing new for ROHN. Back in 1948 when we started our business, we were on the forefront of the television age. Today, we stand ready to serve the next wave of television broadcasting.





WIRELESS SOLUTIONS



ROHN has been supplying towers to the wireless industry since the industry was born. Whether the application is microwave, cellular, PCS or broadband, we have the towers in service supporting wireless communications.

When the first microwave towers were constructed in the United States, ROHN was the quality supplier of choice. We designed and fabricated to the most stringent standards for wind, ice and dish twist and sway requirements.

As the communication system progressed to cellular, then PCS, ROHN was again leading the market with our ROHN SSV towers serving as the industry preference for wireless sites.

ROHN continues to support wireless communication from microwave to broadband communications. Our structures are still the leaders in the industry.

ROHN also offers a variety of steel poles to meet your specific communication needs. Our tapered and flanged steel poles feature designs that are aesthetically pleasing and blend well into the environment while requiring minimum space for installation. All of our steel poles are hot-dip galvanized after fabrication to ensure years of corrosion free use. As one of the largest manufacturers of communication structures, with unmatched attention to detail and design, our steel poles provide an extremely efficient design. ROHN's steel poles meet the stringent demands of today's communication environment.



SPORTS LIGHTING SOLUTIONS



Whatever your application - from little league baseball to a major league sports stadium, ROHN has a steel pole to do the job. Poles are available with the traditional anchor base or for direct embedment. ROHN's engineering staff will select the proper pole based on your specific requirements, considering wind speed, luminaire size, weight and quantity.

For decades, ROHN has supplied sports lighting structures. ROHN towers support lights for the Anaheim Angels professional baseball team, the University of Illinois football team and the Peoria Chiefs, the local minor league baseball team near our plant location in Peoria, IL.



All poles and towers are hot-dip galvanized and our direct embed poles can be purchased with an extra subsurface corrosion resistant coating.





TRANSPORTATION SOLUTIONS



ROHN has been a trusted name in quality-engineered structures since 1948. We have the people, equipment and experience to provide the materials you need for your transportation structure projects. ROHN Mast Arms, Monotube Assemblies, Steel Strain Poles and Sign Structures are designed and manufactured to AASHTO standards. Our products can be supplied galvanized, painted over galvanizing or factory finished powder coated. We are dedicated to delivering quality products, on time at a competitive price; whether it is a single pole or multiple pole project.

ROHN has over 300,000 square feet of manufacturing located in Peoria, Illinois. ROHN's manufacturing is certified by both the American Institute of Steel Construction (Dual AISC Certified Steel Fabricator - Buildings and Simple Steel Bridges) and the Canadian Welding Bureau.

ROHN uses specialized engineering software coupled with ROHN developed software for the design of tubular structures and foundations. This allows ROHN to optimize pole designs based on customer requirements, manufacturing efficiencies and material availability. Preliminary calculation packages are sent to our customers for review with bid packages.



UTILITY SOLUTIONS



ROHN can optimize pole designs based on customer requirements, manufacturing efficiencies and material availability. Preliminary calculation packages are sent to our customers for review and approval prior to manufacturing. Fabrication and erection drawings are produced in AutoCAD and accompany the structures we produce. Our commitment to the utility industry is to provide the highest quality products with the shortest lead time.

ROHN uses Power Line Systems software coupled with ROHN developed software for the design of tubular structures and foundations. This allows us to optimize the pole designs based on customer requirements.

ROHN's state of the art equipment and facility allows us to fabricate the most difficult projects with the accuracy and reliability that you deserve. After the pole shafts have been formed on our press brake, they pass through ROHN's custom built seam welder. The shafts are then completed in one of our numerous fit-up and weld-out stations. Automation also plays a key role in the manufacturing process for latticed towers with our CNC plate processors, machining center, anglematics and beam lines that can process angle up to 8" x 8" x 1 1/4".



ROHN's Quality Assurance/Quality Control program begins when the material is received at our plant, ensuring that all material meets the designated specifications. Components are inspected and verified throughout the manufacturing process to ensure that they are within the engineering and manufacturing tolerances. All full penetration base plate and seam welds are verified with Ultrasonic Testing performed in-house by our own certified inspectors.

Because of ROHN's commitment to customer service, the Inside Sales Manager assigned to your project will work closely with you to assure your order is designed and built to the highest standards and delivered just as you ordered it. We understand the importance of on-time delivery and constantly strive to exceed your expectations. Our plant is centrally located in Peoria, Illinois, which allows for competitive freight costs.





WIND ENERGY SOLUTIONS



ROHN has extensive experience in manufacturing meteorological and turbine support structures for wind energy applications. Whatever the requirement, poles, towers or guyed masts, we have used our products to support this industry.

Our structures are used to support wind turbines ranging up to 50 kW. ROHN structures are hot-dip galvanized where the components are totally immersed in molten zinc, inside and out, to ensure years of corrosion protection. Our steel pole designs are aesthetically pleasing, while requiring minimum space for installation.



To ensure that ROHN meets the demand of today's wind energy customer, our steel poles offer extremely efficient designs and unmatched attention to detail. For over 60 years, ROHN has manufactured support structures with great care and design excellence.



UNDERSTANDING TIA-222 - REVISION G





UNDERSTANDING TIA-222 - REVISION G

What is Rev G?

Rev G is the latest revision of the TIA-222 Standard "Structural Standards for Antenna Supporting Structures and Antennas". The previous version of the Standard was Rev F. Rev G is based on a 3-second gust wind speed and Rev F is based on a fastest-mile wind speed. The wind speeds are not directly comparable and it is very important to define the basis of a wind speed when specifying wind loading requirements. For a given location, the 3-second gust wind speed represents the peak gust wind speed whereas the fastest-mile wind speed represents the average wind speed over the time required for one mile of wind to pass the site.

Rev G presents additional factors to be considered in the design of new structures and for the modification of existing structures. These factors are briefly discussed below. The reliability requirements of a structure can now be accounted for by assigning a classification to a structure (Class I, II or III). The wind speed can also be adjusted based on the type of terrain surrounding the site (Exposure B, C or D) and if the site is located on a hill, ridge or escarpment (Topographic Category 1-5).

Many tower profiles in this catalog now include antenna loading capacities for both Exposure B and Exposure C terrain conditions located on relatively flat sites (Topographic Category 1). Antenna loading capacities in accordance with Rev F are also provided for many tower profiles in the catalog. Please refer to the design notes in the catalog for each tower model series for further explanations. The Class of structure is stated in the design notes. Conditions other than stated may require a different tower profile than illustrated in this catalog. Quotes may be obtained for a specific application by contacting your ROHN representative.

Classification of Structures

Allows for the adjustment of wind, ice and earthquake loading to match the reliability requirements for a specific application. Three reliability classes have been established based on the type of service provided and on the structure's potential hazard to human life and property. Wind, ice and earthquake loading progressively increase from Class I to Class III structures.

Class I: Structures used for services where a delay in returning the service would be acceptable and the structure represents a low hazard to human life and/or property. Example services would be: residential wireless and conventional 2-way radio communications; television, radio and scanner reception; wireless cable, amateur and CB radio communications. Structures of this classification are exempt from ice and earthquake loading.

Class II: Structures used for services that may be provided by other means or structures that represent a significant hazard to human life and/or property. Example services would be: commercial wireless communications; television and radio broadcasting; cellular, PCS, CATV and microwave communications.

Class III: Structures specifically designed for essential communications or structures that represent a substantial hazard to human life and/or property. Examples of essential communications would be: civil or national defense; emergency, rescue or disaster operations; military and navigational facilities.

What is EPA?

EPA stands for Effective Projected Area. It is a standard way to define the "size" of an antenna regarding wind loading. Many antenna manufacturers provide data sheets that specify the EPA of their antennas. The TIA standard also defines a method to calculate the EPA of an antenna based on the size and type of the antenna components.

Generally, the EPA of an antenna, mount or accessory is equal to the summation of the projected areas of its components times appropriate drag factors defined in the TIA Standard. The EPA values listed in this catalog for standard tower designs represents the maximum EPA that may be supported unless otherwise indicated.

UNDERSTANDING TIA-222 - REVISION G

What is Exposure?

Exposure categories are used to adjust wind loading based on the type of terrain surrounding a site. Reduced wind loads are associated with rougher terrains that tend to slow the wind down. Three exposure categories have been defined based on terrain roughness. Wind loading is increased as the exposure designation changes from Exposure B (roughest terrain) to Exposure D (smoothest terrain).

Exposure B: Urban, suburban or wooded areas. The wind load at ground level is reduced compared to Exposure C. This reduction diminishes with height, making the overall wind reduction less significant for taller structures. In order to qualify for the wind load reduction, the rough terrain must extend in all directions from the site at least twenty times the height of the structure, but not less than one-half mile.

Exposure C: Flat, open country and grasslands.

Exposure D: Flat, unobstructed shorelines exposed to wind flowing over open water, smooth mud flats, salt flats and other similar terrain. The wind load at ground level is increased compared to Exposure C.

Topographic Categories

Topographic categories are used to determine increases in wind loading for sites located on hills and other elevated locations (other than buildings). The shape and relative height (topography) of an elevated site determines the increase in wind load. Although many elevated sites have their own unique features, the intent is to idealize these sites into one of the standard topography categories described below.

The height of an elevated site above the surrounding terrain must be specified in order to determine the increase in wind loading. Height should not be confused with the elevation of the site. As described below, elevations of the site and the surrounding terrain must be used to determine the relative height of a site. For structures supported on buildings, it is only necessary to specify the height of the building and the surrounding exposure category.

Category 1: Flat or rolling terrain with no abrupt changes in general topography. No increase in wind loading is required for this category.

Category 2: Sites separated from a lower elevation by a gently sloping terrain (escarpment). Wind loads at the crest are 2.0 times the wind loads for a flat site and diminish with height depending on the height of the escarpment.

Height for an escarpment is the difference in elevation between the upper and lower levels. Increased wind loads do not apply for structures located in the lower half of the sloping terrain or located beyond 16 times the escarpment's height from the crest.

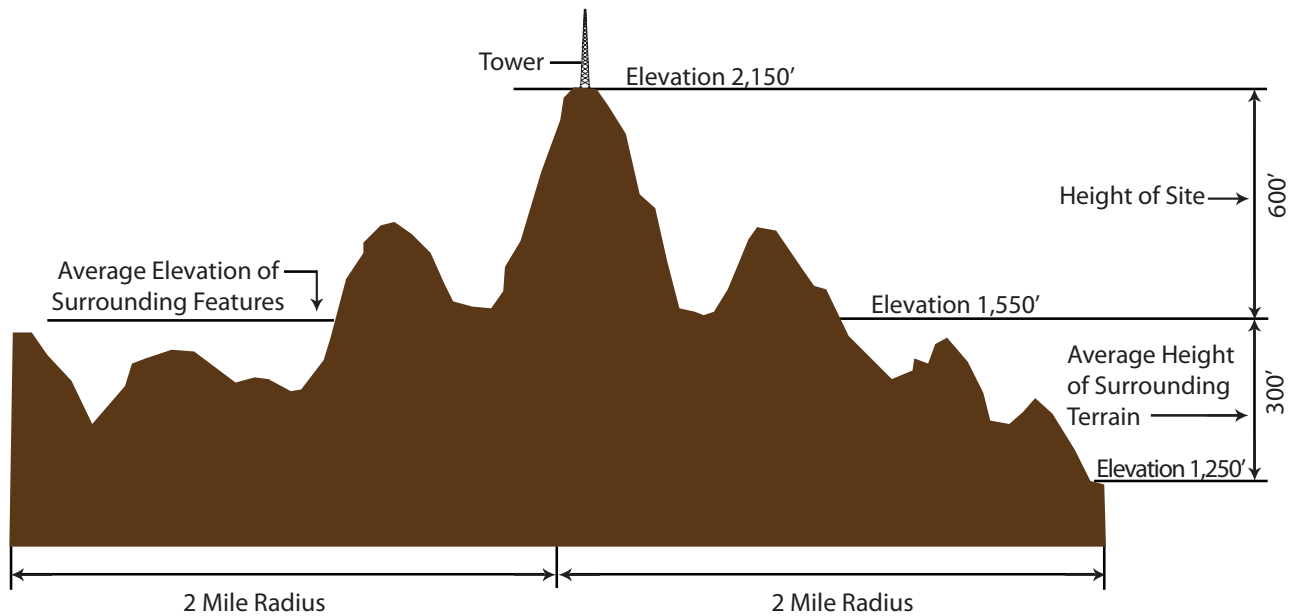
Category 3: Sites located at the top or within the upper half of a hill. Wind loads at the top of a hill are 2.3 times the wind loads for a flat site and diminish with height depending on the relative height of the hill.

Height for a hill is the difference in elevation between the top and bottom of the hill. For sites surrounded by other hills, height is the difference in the hill elevation at the site and the average elevation of the surrounding hills (within a 2-mile radius). In other words, height is the projection of the hill exposed to wind. When there are other hills surrounding the site, increased wind loads do not apply unless the height of the hill at the tower site is at least 2 times the average height of the surrounding hills. (Refer to sketch above.)

Topographic Categories continued on next page.



UNDERSTANDING TIA-222 - REVISION G



$$H = 2,150' - 1,550' = 600'$$

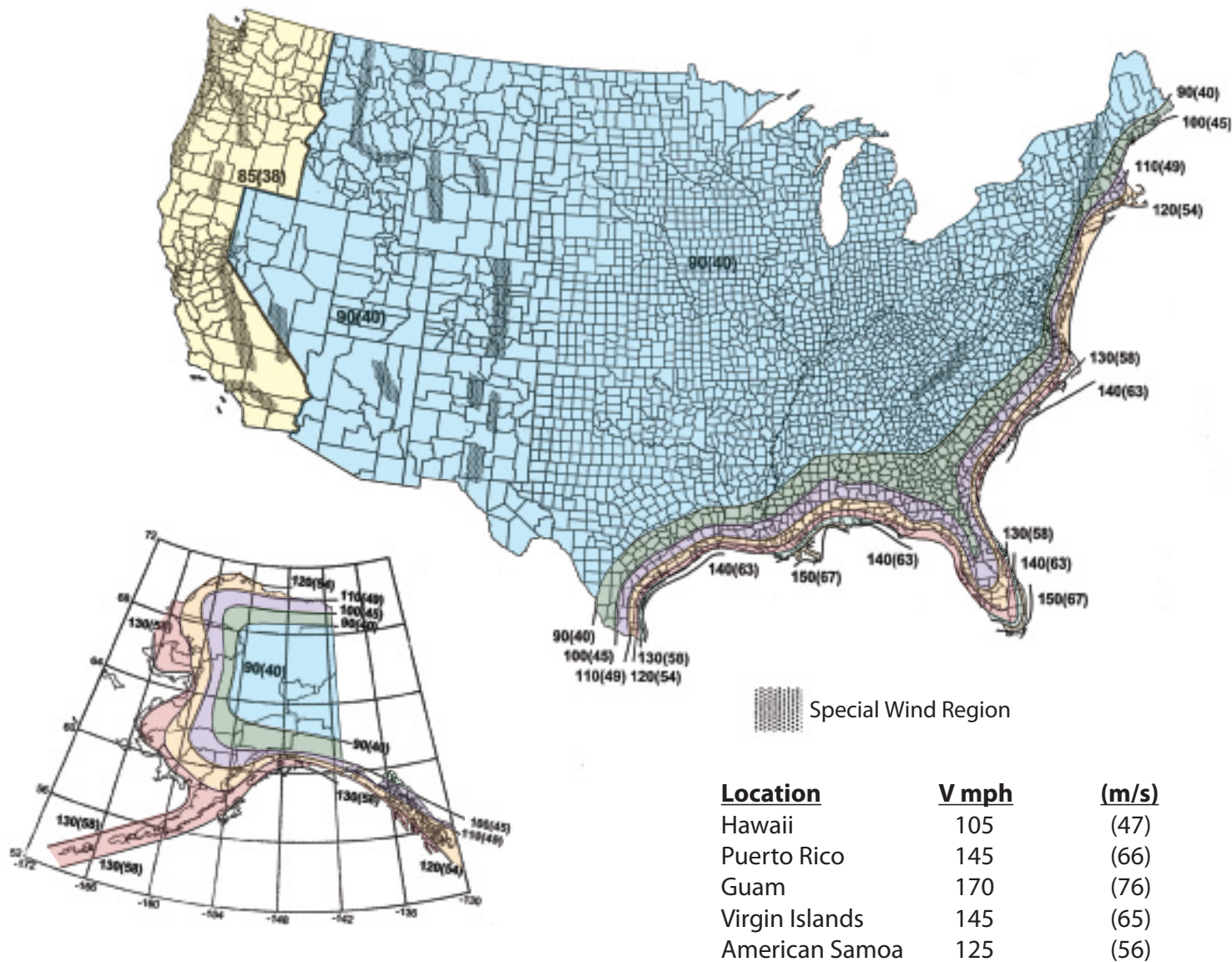
Wind speed-up must be considered when H exceeds
2 times the average height of surrounding features.

Category 4: Sites located on a ridge. Wind loads at the top of a ridge are 3 times the wind loads for a flat site and diminish with height depending on the height of the ridge.

Height for a ridge is the difference between the top and bottom elevations of the ridge.

Category 5: This category is reserved for sites where site-specific investigations are performed to determine wind loading. A site-specific investigation may result in either higher or lower wind loads compared to using one of the standard topographic categories.

REV G 3-SECOND BASIC WIND SPEED MAP



Notes:

1. Values are 3-second gust wind speeds in miles per hour (m/s) at 33 ft. (10 m) above ground for Exposure C terrain.
2. Linear interpolation between wind contours is permitted.
3. Islands and coastal areas outside last contour must use the last wind speed contour of the coastal area.
4. Mountainous terrain, gorges, ocean promontories, and special wind regions must be examined for unusual wind conditions.

The basic wind speed map is being used with permission from ASCE. This material may be used for personal use only. Any other use requires prior permission of the American Society of Civil Engineers.



REV G WIND SPEEDS

The TIA-222-G Standard is based on the wind map published in the ASCE 7-02 Standard, "Minimum Design Loads for Buildings and Other Standards". The ASCE 7 standard is published by the American Society of Civil Engineers (ASCE) and represents the latest research and data available for wind speeds in the United States.

Subsequent to the release of the TIA-222-G Standard, ASCE has published 2 revisions to the ASCE-7 Standard. The first revision was published in 2005 and is designated as ASCE 7-05. There were no changes to the wind map. The second revision was published in 2010 and is designated as ASCE 7-10. There are changes to the wind map in this version.

The previous versions of ASCE 7 used a 50-year return wind speed map and relied on additional design factors to increase wind loads according to the reliability requirements of a structure. This resulted in structures being able to survive wind speeds of much higher return periods. The new wind maps in ASCE 7 -10 now include these design factors and now represent a much higher return period wind speed. A wind map is provided for each classification of structure. No additional factors have to be considered based on the classification of a structure when these wind speeds are used to calculate wind loads. The new maps can be thought of as "Factored" wind speeds, or in other words, wind speeds for which permanent deformation may occur in a structure, but the structure does not collapse.

The new ASCE 7-10 factored wind speeds can be easily converted for use with the TIA-222-G Standard using the following conversion table. If the conversion is not made, the design factors for determining wind loads will be "doubled up" resulting in much higher wind loads than intended. Eventually the TIA Standard and other similar structural standards will be upgraded to reflect the new ASCE 7-10 wind maps. Conversions for fastest-mile wind speeds used in Rev F and ASCE 7-93 are also included in the table.

Design Wind Speed Conversions, MPH

| Rev F ASCE 7-93 (fastest-mile) | Rev G ASCE 7-02 & ASCE 7-05 (3-second gust) | Factored ASCE 7-10 (3-second gust) |
|--------------------------------------|---|--|
| 71 | 85 | 110 |
| 76 | 90 | 115 |
| 85 | 100 | 126 |
| 90 | 105 | 133 |
| 95 | 110 | 139 |
| 104 | 120 | 152 |
| 114 | 130 | 164 |
| 123 | 140 | 177 |
| 128 | 145 | 183 |
| 133 | 150 | 190 |
| 152 | 170 | 215 |

Examples to determine appropriate Rev G design criteria:

1. Desire a 95 mph Rev F fastest-mile design. Use a 110 mph Rev G design.
2. Desire a 115 mph ASCE 7-10 design. Use a 90 mph Rev G design.

REV G GROUNDING REQUIREMENT FOR STRUCTURES

Rev G made significant changes regarding the grounding requirements for structures. A prescriptive approach to grounding was used in Rev F where providing specific grounding leads and ground rods were considered adequate to protect a structure. Rev G adopted a performance specification approach that requires providing a grounding system that will result in a maximum 10 ohm resistance to earth. Rev G also requires minimum ground lead and ground rod sizes that are greater than the Rev F prescriptive requirements.

Another change is that Rev G does not require specific grounding materials. Rev F required the use of galvanized ground rods with tinned copper leads. Rev G only requires that the leads and connections be compatible with the ground rods from a corrosion standpoint (i.e. minimize difference between metals connected).

Rev G does provide default grounding arrangements for various types of structures that are intended to meet the 10 ohm requirement for a wide variety of soil conditions. In accordance with Rev G, the actual resistance of a default grounding system must be verified based on site conditions. Additional ground rods or special grounding systems may be required.

It should be noted that the TIA-222 grounding requirements are meant to protect the structure and foundation from high fault currents. Other grounding requirements are often needed for the protection of antennas, radio equipment and other appurtenances.

REV G STANDARD FOUNDATIONS

Rev G has taken a different approach from Rev F regarding standard foundations and the term "Normal Soil" has been eliminated. A new term "Presumptive Soil" has been introduced. Rev G provides for two different types of presumptive soil, sand and clay. Generally the strength of Rev G presumptive soil is lower than the strength of Rev F normal soil.

The intent is to provide default design parameters that can be used to design foundations when a geotechnical report is not available for a site. In accordance with Rev G, clay is to be considered the default presumptive soil unless more information is known about a site. The values for clay presumptive soil have therefore been used for the generation of the standard foundations contained in this catalog.

It should be noted that in accordance with Rev G, actual site conditions must be investigated prior to the installation of a foundation that was designed using presumptive soil parameters. Modifications to the standard foundations contained in this catalog may be required. It should also be noted that Rev G requires a geotechnical investigation for all Class III structures.

One common cause for changes to a standard foundation is due to frost depth. The frost depth for Rev G presumptive soil is considered to be 3.5 feet. The standard foundations in this catalog are based on this frost depth. Special foundations may be required for sites in locations where frost depths exceed 3.5 feet and the local soil conditions are susceptible to frost heave.

Presumptive soil also assumes that the water table is below the foundation depth. For this condition, there is no concern for buoyant conditions that can significantly reduce the uplift capacity of a foundation. The standard foundations in this catalog are based on dry soil conditions and do not consider buoyant conditions. Special foundations may be required for sites where the water table may rise above the base elevation of the foundation.

In accordance with Rev G, presumptive soils are also considered to be non-corrosive. When local soil conditions are corrosive, anchors or direct embedded poles that are in direct soil contact may require corrosion protection in addition to hot dip galvanizing. Rev G provides guidance on various alternatives to consider in these situations.

Presumptive soils are also considered to be non-expansive. Locations known to have expansive soil require special considerations for foundation design. Modifications to the standard foundations in this catalog may be required in these cases.



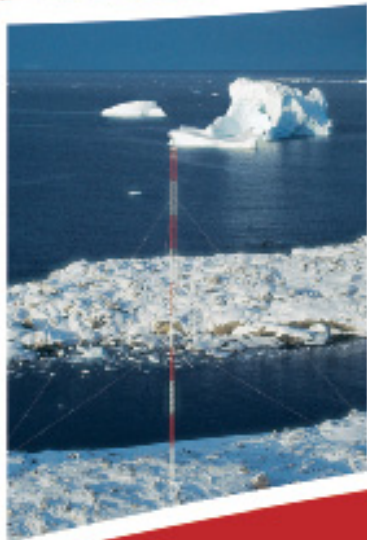
REV G CLIMBING FACILITIES

Rev G has made significant additions addressing climber safety. Two classifications of climbers have been defined. An Authorized Climber (also called a Basic Climber) is an individual trained in climbing but may not have had previous climbing experience. These climbers are intended to be limited to climbing fixed access routes equipped with safety climb devices. A Competent Climber (also called a Skilled Climber) is a professional who is capable of climbing on structural members.

Rev G provides requirements for climbing facilities by defining two classes of climbing facilities, Class A and Class B. Class B requirements are similar to Rev F requirements and are intended for structures to be climbed by professional Competent Climbers. Class A requirements are more restrictive in comparison to Rev F and are intended for structures expected to be climbed by lesser qualified (Basic) climbers. In accordance with Rev G, Class B is considered to be the default climbing facility requirement for structures unless otherwise specified. Towers can be quoted to accommodate Class A climbing facilities when specified. All ROHN standard structures are intended to be climbed by Competent Climbers only.

Safety climb systems are now mandatory in accordance with Rev G for structures exceeding 10 feet in height that are intended to be climbed. Some structures are intended to be maintained by bucket trucks or other methods that do not involve climbing the structure. Safety climb systems, when required, must be ordered separately for all ROHN standard structures in this catalog.

GUYED TOWERS





ROHN began manufacturing the G-Series line of towers in the early 1950's. Starting with the ROHN No. 5 tower, there was an ever present drive for a superior tower design. The No. 5 soon led to the ROHN No. 6 and continued through the No.10, 11, 20, 25, 30, 40 and 50 towers. ROHN originally coated the lightweight towers with a hot-dipped enamel coating called RohnKote. The alternative to RohnKote was hot-dipped galvanizing. The galvanized option was identified by the now famous "G" suffix added to the tower model. The G-Series was born! The numbers have settled to the four models listed below and hot-dip galvanizing is the coating of choice for towers today.

ROHN's G-Series towers are designed for strength and versatility. The towers are constructed with high strength steel tubing or solid round legs. ROHN's exclusive Zig-Zag solid-rod bracing provides exceptional strength. As they were in the 1950's, each ROHN G-Series tower continues to be hot-dip galvanized for corrosion protection.

25G | 45G | 55G | 65G

The 25G is a light weight tubular tower with solid braces. The tower sections are most often guyed, but can also be used in bracketed and self-supporting applications. Standard sections are 10' in length, but are also available in a 7' length, which is UPS shippable. This tower model has several top options, as well as a variety of tower accessories. The 25G has several base options, including: base cast in concrete, base plate with anchor bolts and also a hinged base.

Standard Design Tower Heights

Guyed: Up to 190'

Bracketed: Up to 100'

Self-Supporting: Up to 40'



25G | 45G | 55G | 65G

The 45G is a light weight tower, available with tubular or solid round legs with solid braces. The tower sections are most often guyed, but can also be used in bracketed and self-supporting applications. Standard sections are 10' in length, but are also available in a 20' length when ordering solid sections. This tower model has several top options, as well as a variety of tower accessories. The 45G has several base options, including: base cast in concrete, base plate with anchor bolts and also a hinged base. This tower is a true multi-use structure.

Standard Design Tower Heights

Guyed: Up to 300' [45G] and 350' [45GSR]

Bracketed: Up to 100'

Self-Supporting: Up to 45'

25G | 45G | **55G** | 65G

The 55G is a tubular tower with solid braces that lends itself to a wide variety of uses, particularly where unusual wind loading and height requirements exist. The 55G was designed to provide excellent strength and rigidity. The tower sections are most often guyed, but can also be used in bracketed and self-supporting applications. Standard sections are 10' in length. This tower model has several top options, as well as a variety of tower accessories. The 55G is available with a base cast in concrete as well as a tapered base option.

Standard Design Tower Heights

Guyed: Up to 400'

Bracketed: Up to 100'

Self-Supporting: Up to 60'

25G | 45G | 55G | **65G**

The 65G is available with tubular or solid round legs with solid braces. The tower sections are most often guyed, but can also be used in self-supporting applications. Standard sections are 10' and 20' in length. This tower model has a variety of tower accessories, and is available with a base cast in concrete or a tapered base.

Standard Design Tower Heights

Guyed: Up to 500'

Self-Supporting: Up to 80'



The ROHN G-Series towers are assembled and installed quickly and are diverse enough for use by broadcasters, fire and police, military, ham and home use. The possibilities are endless with the G-Series towers. Over the long history of the G-Series, ROHN has developed a variety of options to improve the utility of each model. The G-Series has optional:

- Standard and Shortened Sections
- Guy Lug Sections
- Four Leg (Square) Design of 25G
- Double Braced Sections
- Double Braced Sections
- Torque Arms
- Roof Mounts
- Top Mounts
- House Brackets
- Base Options
- Side Arms

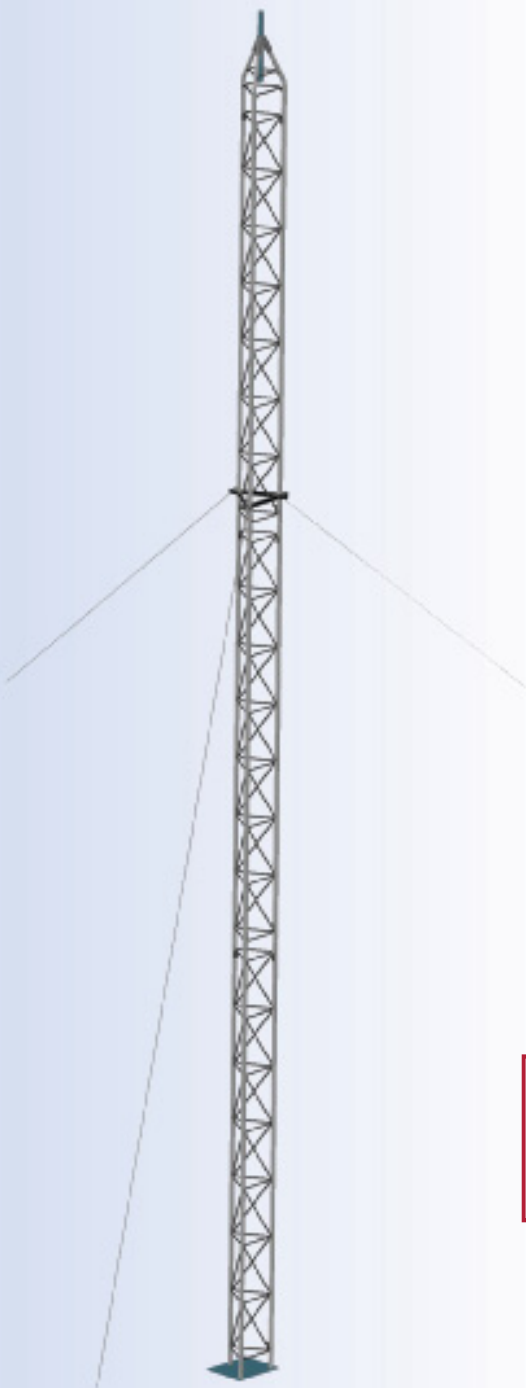


STANDARD 25G GUYED TOWER

ROHN 25G
The first. The original.



25G



GENERAL USE

The 25G is available in the standard 10' section length and a 7' length which is UPS shippable. The 25G uses double bolted joints, proven to be the best method of joining tower sections for sturdiness and dependability. As a guyed structure, the 25G standard designs rise to a height of 190'.

FEATURES

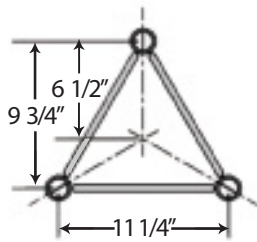
- Completely hot-dip galvanized after fabrication
- Built on an 11 1/4" equilateral triangle design
- High strength tubular legs joined by Zig-Zag® cross members
- Each 7' or 10' section contains all required nuts and bolts shipped with section
- Continuous solid round steel bracing

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.

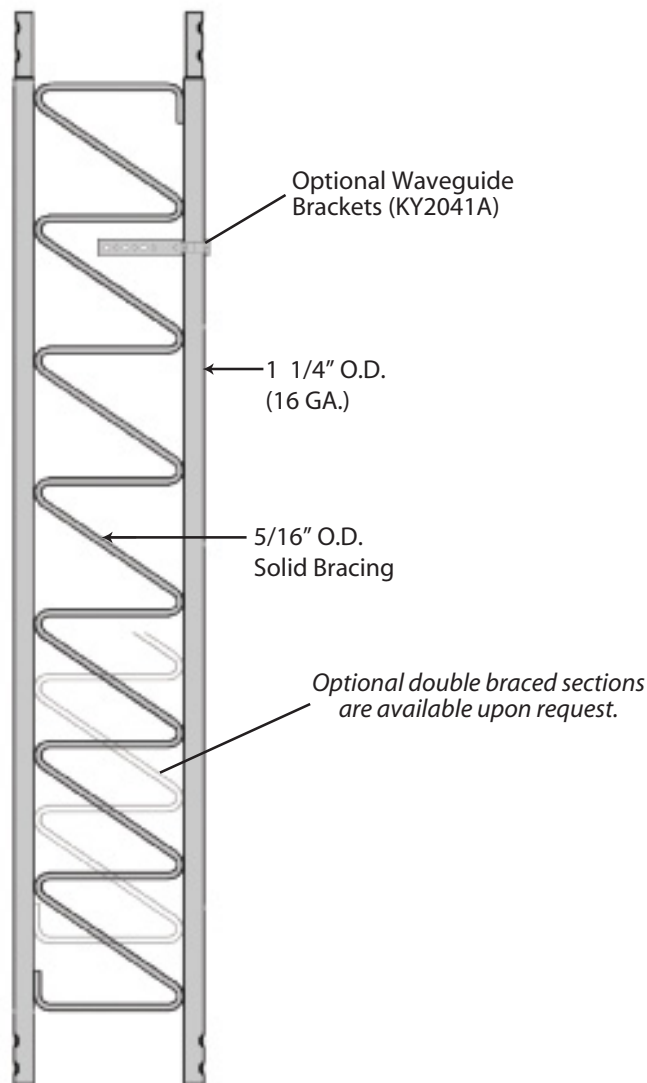
Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please see page 40 for ordering information.

STANDARD 25G GUYED TOWER SECTIONS



QUICK REFERENCE

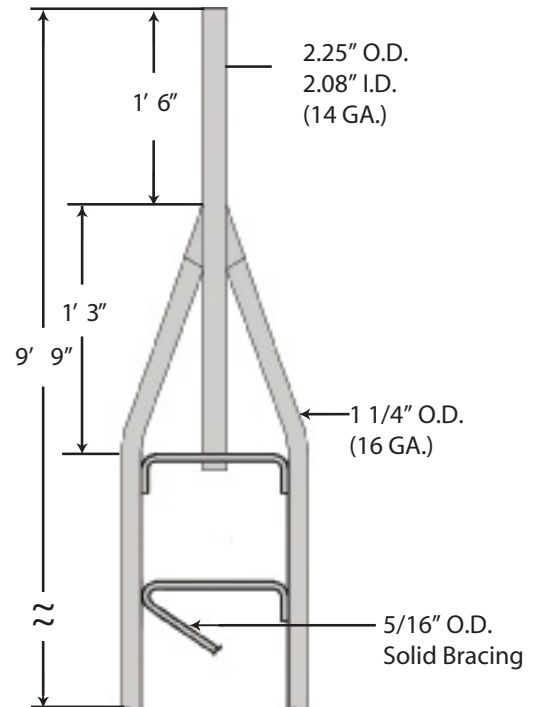
| | |
|------------------------|-------------|
| PARTS & ACCESSORIES | PAGES 37-40 |
| GROUNDING INFORMATION | PAGE 41 |
| FOUNDATION INFORMATION | PAGES 41-44 |



STANDARD SECTION
25G - 10' Section

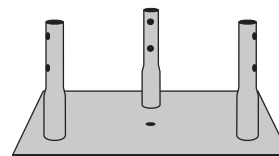
OPTIONAL 7' SECTION
25G7 - 7' Section

The 7' Section is UPS shippable.



STANDARD TOP SECTION
25AG2

Additional 25G top sections are shown on page 37.



CONCRETE BASE PLATE
BPC25G*

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

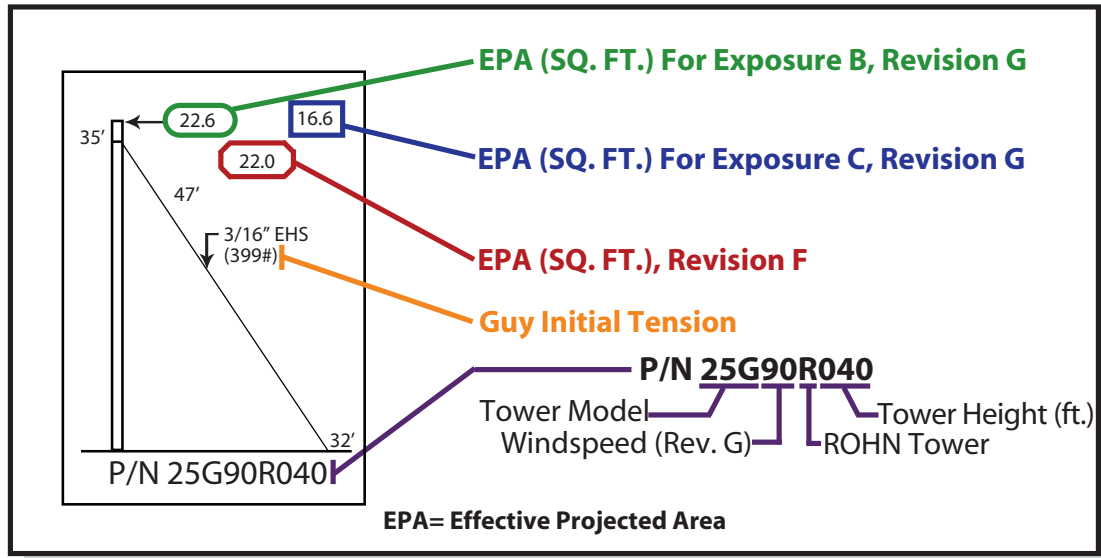
Additional base sections are available, please see page 38.

* 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 - 25G 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 25G 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.

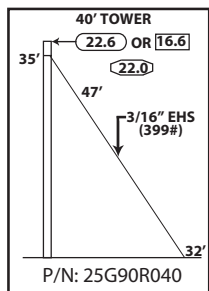
FOR FOUNDATION INFORMATION, PLEASE SEE PAGES 41-44.

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



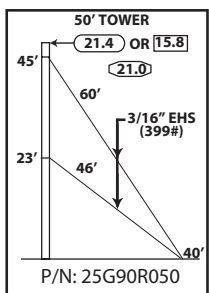
STANDARD DESIGN - 25G

90MPH REV. G, 70MPH REV. F



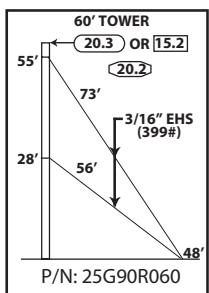
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 3 | 1 | 1 | 1 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

40' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R040



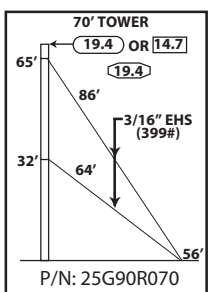
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 4 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

50' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R050



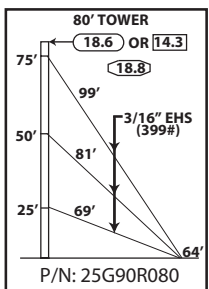
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 5 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

60' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R060



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 6 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

70' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R070

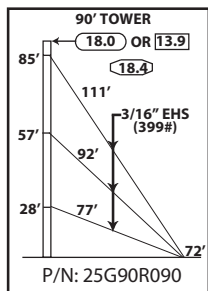


| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 7 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

80' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R080



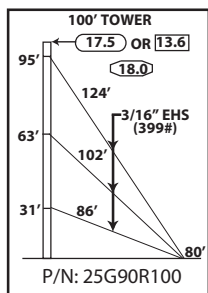
STANDARD DESIGN - 25G 90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 8 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

90' ROHN 25G

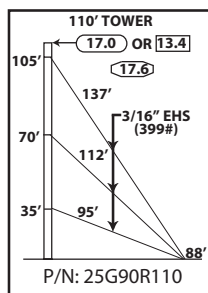
All parts shown in table are included when ordering
Part No: 25G90R090



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 9 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

100' ROHN 25G

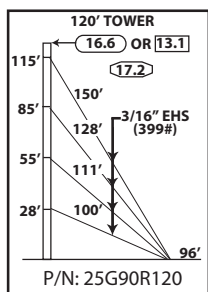
All parts shown in table are included when ordering
Part No: 2590R100



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 10 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

110' ROHN 25G

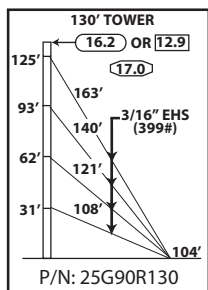
All parts shown in table are included when ordering
Part No: 25G90R110



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 11 | 1 | 1 | 4 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

120' ROHN 25G

All parts shown in table are included when ordering
Part No: 25G90R120



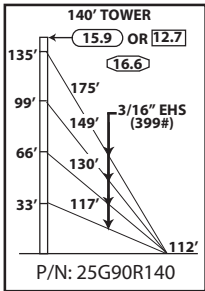
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 12 | 1 | 1 | 4 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

130' ROHN 25G

All parts shown in table are included when ordering
Part No: 25G90R130

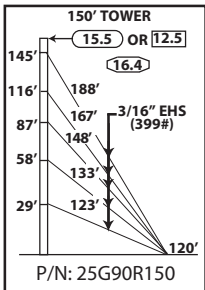


STANDARD DESIGN - 25G 90MPH REV. G, 70MPH REV. F



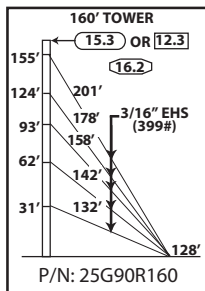
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 13 | 1 | 1 | 4 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 1825' | 24 | 24 | 12 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

140' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R140



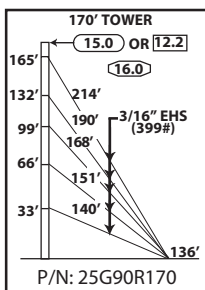
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 14 | 1 | 1 | 5 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 2425' | 30 | 30 | 15 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

150' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R150



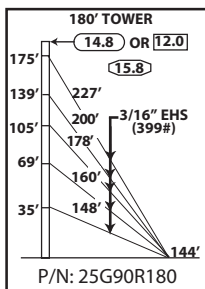
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 15 | 1 | 1 | 5 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 2600' | 30 | 30 | 15 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

160' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R160



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 16 | 1 | 1 | 5 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 2750' | 30 | 30 | 15 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

170' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R170

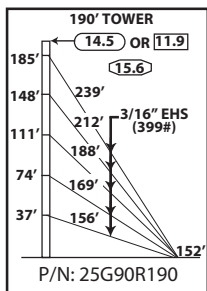


| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 17 | 1 | 1 | 5 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 2925' | 30 | 30 | 15 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

180' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G90R180



STANDARD DESIGN - 25G 90MPH REV. G, 70MPH REV. F

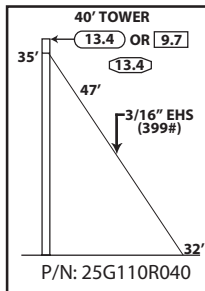


| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 18 | 1 | 1 | 5 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 3075' | 30 | 30 | 15 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

190' ROHN 25G
All parts shown in table
are included when ordering
Part No: 25G90R190

STANDARD DESIGN - 25G

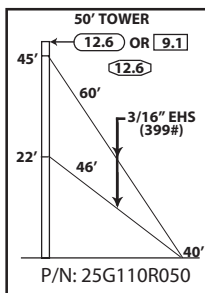
110MPH REV. G, 90MPH REV. F



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 3 | 1 | 1 | 1 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

40' ROHN 25G

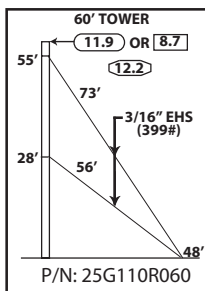
All parts shown in table are included when ordering
Part No: 25G110R040



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 4 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

50' ROHN 25G

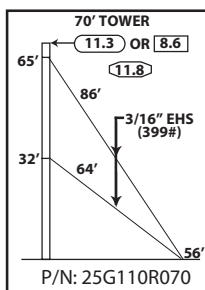
All parts shown in table are included when ordering
Part No: 25G110R050



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 5 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

60' ROHN 25G

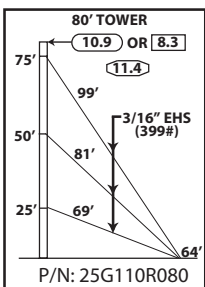
All parts shown in table are included when ordering
Part No: 25G110R060



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 6 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

70' ROHN 25G

All parts shown in table are included when ordering
Part No: 25G110R070



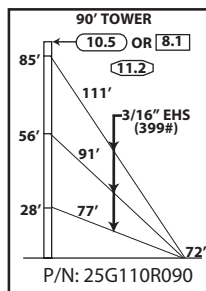
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 7 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16 EHS | BG2142 | 5/16 THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

80' ROHN 25G

All parts shown in table are included when ordering
Part No: 25G110R080

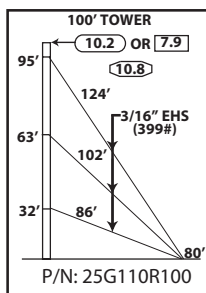


STANDARD DESIGN - 25G 110MPH REV. G, 90MPH REV. F



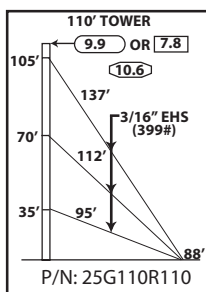
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 8 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

90' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R090



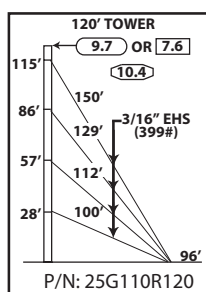
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 9 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

100' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R100



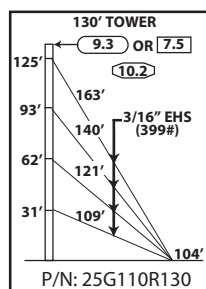
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 10 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

110' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R110



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 11 | 1 | 1 | 4 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

120' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R120

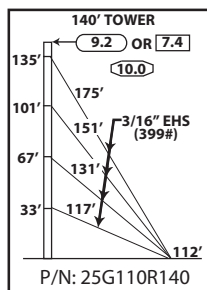


| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 12 | 1 | 1 | 4 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

130' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R130

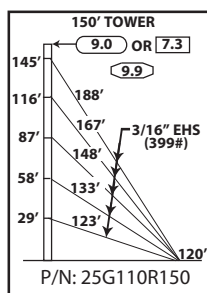
STANDARD DESIGN - 25G

110MPH REV. G, 90MPH REV. F



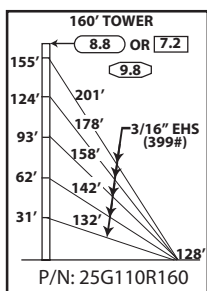
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 13 | 1 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 1825' | 24 | 24 | 12 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

140' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R140



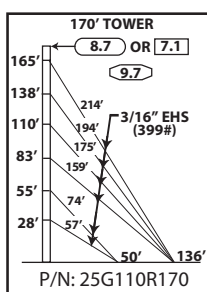
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 14 | 1 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 2425' | 30 | 30 | 15 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

150' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R150



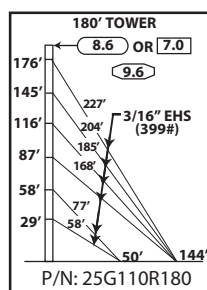
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 15 | 1 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 2600' | 30 | 30 | 15 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

160' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R160



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 16 | 1 | 1 | 6 | CB2G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | | |
| | 2800' | 36 | 36 | 18 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | | |
| | 6 | 2 | 3 | 6 | 1 | | |

170' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R170

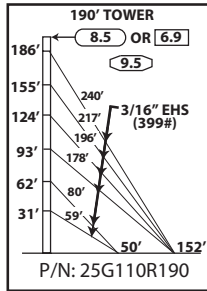


| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 17 | 1 | 1 | 6 | CB2G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | | |
| | 2925' | 36 | 36 | 18 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | | |
| | 6 | 2 | 3 | 6 | 1 | | |

180' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R180



STANDARD DESIGN - 25G 110MPH REV. G, 90MPH REV. F



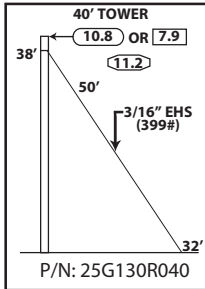
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 18 | 1 | 1 | 6 | CB2G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | | |
| | 3100' | 36 | 36 | 18 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | | |
| | 6 | 2 | 3 | 6 | 1 | | |

190' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G110R190



STANDARD DESIGN - 25G

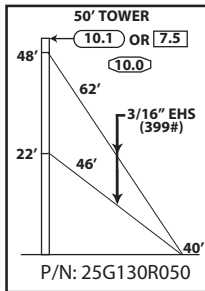
130MPH REV. G, 110MPH REV. F



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 3 | 1 | 1 | 1 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

40' ROHN 25G

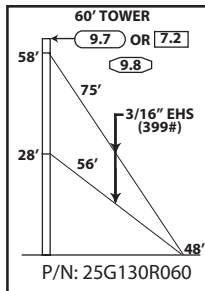
All parts shown in table are included when ordering
Part No: 25G130R040



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 4 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

50' ROHN 25G

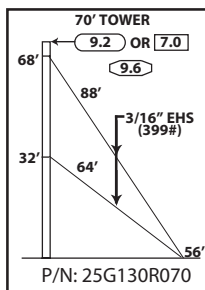
All parts shown in table are included when ordering
Part No: 25G130R050



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 5 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

60' ROHN 25G

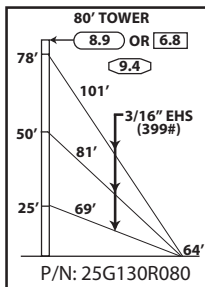
All parts shown in table are included when ordering
Part No: 25G130R060



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 6 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

70' ROHN 25G

All parts shown in table are included when ordering
Part No: 25G130R070



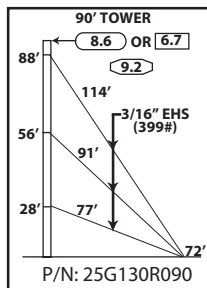
| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 7 | 1 | 1 | 3 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | 1 | |

80' ROHN 25G

All parts shown in table are included when ordering
Part No: 25G130R080

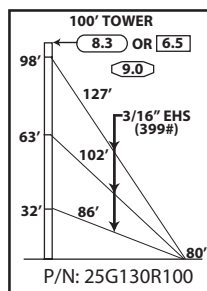


STANDARD DESIGN - 25G 130MPH REV. G, 110MPH REV. F



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 8 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 900' | 18 | 18 | 9 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

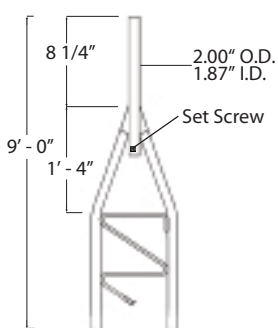
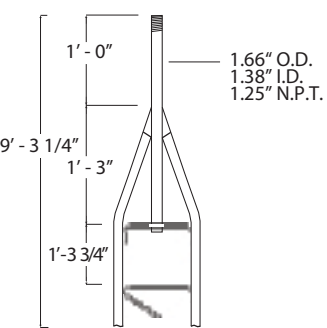
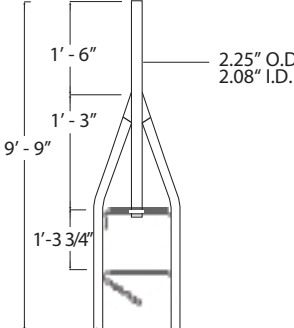
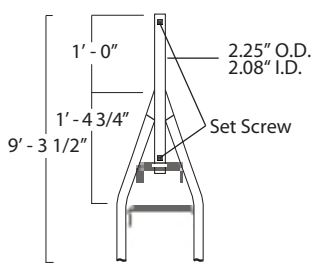
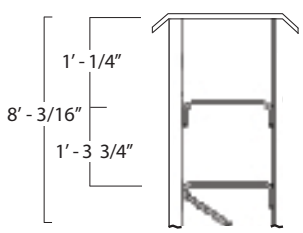
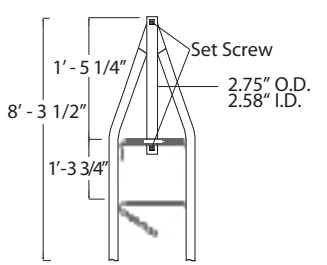
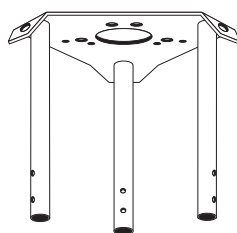
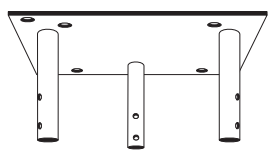
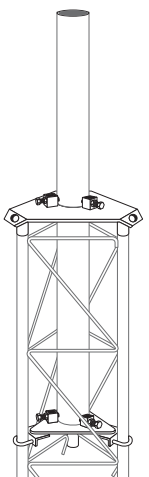
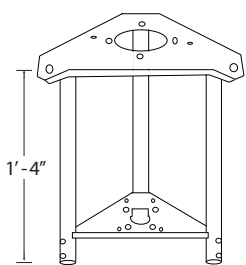

90' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G130R090



| TOWER PARTS INCLUDED | 25G | 25AG2 | BPC25G | GA25GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 9 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 1000' | 18 | 18 | 9 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

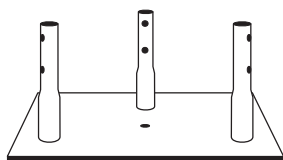
100' ROHN 25G
All parts shown in table are included when ordering
Part No: 25G130R100

PARTS & ACCESSORIES

| | | | |
|--|---|--|---|
|  <p>TOP SECTION 25AG COMES WITH TOP BUSHING INSTALLED, 1.31" I.D.</p> |  <p>TOP SECTION 25AG1</p> |  <p>TOP SECTION 25AG2</p> |  <p>TOP SECTION 25AG3</p> |
|  <p>TOP SECTION 25AG4 TOP PLATE HOLE PATTERN IS THE SAME AS BPL25G.</p> |  <p>TOP SECTION 25AG5</p> |  <p>BEARING PLATE BPL25G LONG LEGS PROVIDE EXTRA CLEARANCE FOR INSTALLATION OF EQUIPMENT. BOLTS TO TOP OF STANDARD SECTION. HOLE PATTERN FITS TB3 (2" O.D.) AND TB4 (3" O.D.) THRUST BEARINGS.</p> |  <p>TOP PLATE APL25G FOR MOUNTING BEACON OR LIGHTNING ROD.</p> |
|  <p>TOP MOUNT 25TDMKD - NO MAST 25TDM2S3KD - 2 3/8" O.D. MAST 25TDM2S3KD - 2 7/8" O.D. MAST 25TDM3S3KD - 3 1/2" O.D. MAST 25TDM3S3KD - 4" O.D. MAST MOUNTING TUBE PROVIDED IS 7' LONG.</p> |  <p>BEARING/ACCESSORY SHELF BAS25G HOLE PATTERN FITS TB3 (2" O.D.) AND TB4 (3" O.D.) THRUST BEARINGS ON TOP PLATE. ACCESSORY SHELF DRILLED FOR MOUNTING MANY POPULAR ROTORS.</p> |  <p>LIGHTNING ROD LRCL 5' COPPER CLAD, MOUNTS TO APL25G.</p> | |



PARTS & ACCESSORIES



CONCRETE BASE PLATE FOR GUYED & BRACKETED TOWERS BPC25G*

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

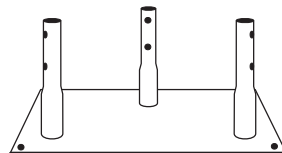
CONCRETE BASE PLATE IS TO BE
USED FOR BRACKETED AND
GUYED APPLICATIONS ONLY.



PIER PIN 3/4X12PP

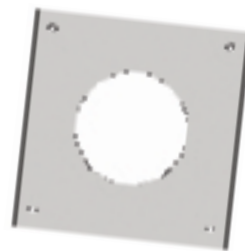
FOR USE WITH BPC25G
EMBEDDED IN CONCRETE.

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



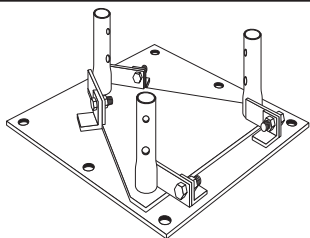
CONCRETE BASE PLATE FOR SELF-SUPPORTING TOWERS 25GSSB

FOR USE WITH 5/8" x 12" (P/N: 260145G)
BASE BOLTS (ORDERED SEPARATELY)
IN SELF-SUPPORTING
25G TOWER APPLICATIONS.



BASE BOLT & TEMPLATE KH8175A

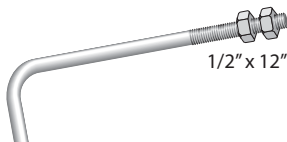
FOR USE WITH 25GSSB
IN SELF-SUPPORTING 25G TOWER
APPLICATIONS. KIT INCLUDES (1)
TEMPLATE & (4) BASE BOLTS.



HINGED BASE PLATE BPH25G*

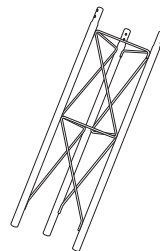
FOR USE WITH 1/2X12BB BASE BOLTS
(ORDERED SEPARATELY).
HINGED TO ALLOW TOWER TO
BE ROTATED UP FROM BASE
DURING INSTALLATION.

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



BASE BOLTS 1/2X12BB

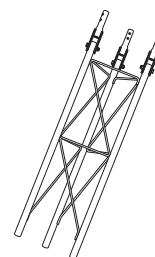
FOR USE WITH BPH 25G
(6) REQUIRED, ORDERED SEPARATELY.



3'4" SHORT BASE SB25G

5' SHORT BASE SB25G5

FOR EMBEDMENT IN CONCRETE.



3'4" HINGED SHORT BASE SBH25G*

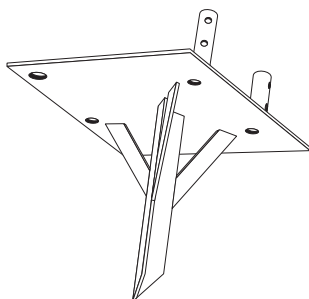
FOR EMBEDMENT IN CONCRETE.

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



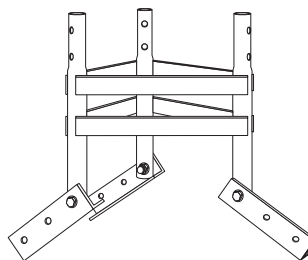
TAPERED BASE 25TG*

CAN BE USED WITH A4197L
BASE INSULATOR OR WITH 3/4x12PP,
ORDERED SEPARATELY.



SINGLE DRIVE-IN BASE SDB25G*

TO BE DRIVEN DIRECTLY INTO GROUND.



PEAK ROOF MOUNT PR25G*

ADJUSTABLE HINGED FEET CONFORM
TO NEARLY ANY ROOF PITCH. BOLTS
TO ROOF SURFACE.

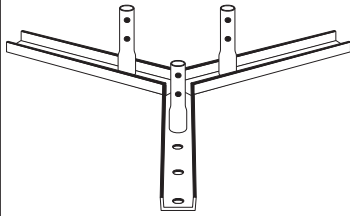


WALL MOUNT 25GWM

INCLUDES BASE PLATE TO
MOUNT 25G SECTION.

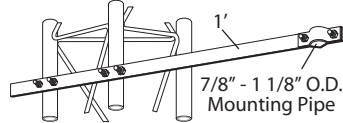
* TOWERS MOUNTED ON THESE BASES MUST BE BRACKETED OR GUYED AT ALL TIMES. TEMPORARY STEEL GUYING MAY ALSO BE NECESSARY DURING INSTALLATION AND DISMANTLING.

PARTS & ACCESSORIES

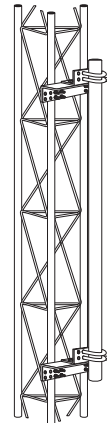


FLAT ROOF MOUNT
FR25G*

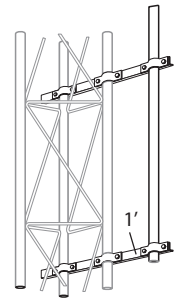
BOLTS DIRECTLY TO FLAT ROOF SURFACE.



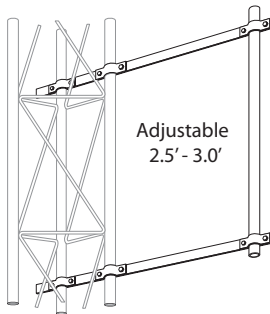
SIDE ARM MOUNT
UHF25G
FOR UHF & FM ANTENNAS.



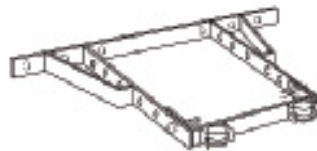
FACE MOUNT
DM25G2 - 2 3/8" O.D. 5' LONG



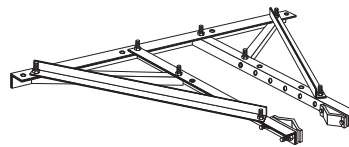
DBS ANTENNA MOUNT
KY2068A16 - 1.66" O.D.
KY2068A15 - 1.50" O.D.
KY2068A2 - 2.38" O.D.
MOUNTING TUBE PROVIDED IS 3' LONG.



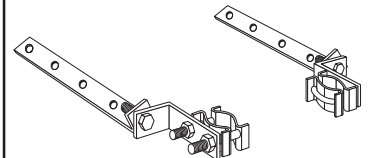
SIDE ARM BRACKET
SA253UA
MOUNTING TUBE PROVIDED IS 3' LONG,
2 - 1/4" O.D.



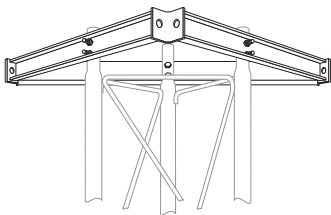
ADJUSTABLE HOUSE BRACKET
HB25AG 0 - 15"
HB25BG 0 - 24"
HB25CG 0 - 36"



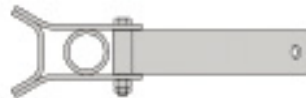
**HEAVY DUTY UNIVERSAL
HOUSE BRACKET**
HBUTVRO
ADJUSTABLE TO POSITION TOWER
18" - 36" FROM WALL.



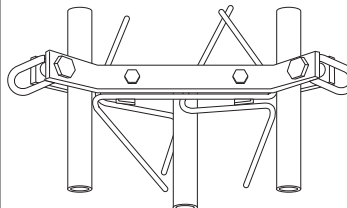
UNIVERSAL EAVE BRACKET
EB2525G
HINGED CONNECTION ALLOWS TOWER
LEG CLAMPS TO REMAIN PERPENDICULAR
TO GROUND WHILE BOLT DOWN
SUPPORTS ROTATE TO LAY FLAT ALONG
PITCHED ROOF OR EAVE.



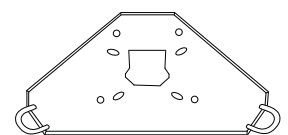
**TORQUE ARM STABILIZER
ASSEMBLY**
TA25
ANTI-TWIST DEVICE LOCATED IN THE
AREA OF ANTENNAS. PROVIDES SIX-WAY
GUYING. BOLTS TO TOWER AT ANY
SECTION JOINT. ATTACHED WITH
JOINT BOLTS. MUST BE INSTALLED AS
SECTIONS ARE JOINED TOGETHER.



TORQUE BAR
TB25D
OPTIONAL, FOR USE WITH GA25GD.
REQUIRES (1) 3/8" SHACKLE
FOR EACH BAR.



GUY BRACKET
GA25GD
MOUNTS TO TOWER AT ANY
HORIZONTAL BRACE.

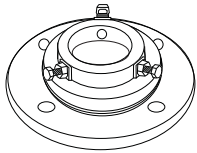


ACCESSORY SHELF
AS25G
FOR MOUNTING MANY POPULAR
ROTORS. FIELD DRILLING MAY BE
NECESSARY FOR SOME ROTORS.

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

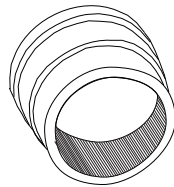


PARTS & ACCESSORIES



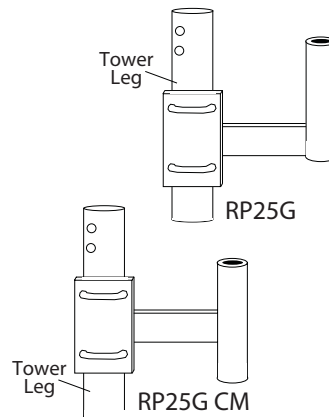
THRUST BEARING

TB3 - SUPPORTS UP TO 2" O.D. MAST.
TB4 - SUPPORTS UP TO 3" O.D. MAST.
MOUNTS TO BAS25G, BPL25G
AND 25AG4.



TOWER BUSHING

TB50 - 1-1/4" I.D. X 2" O.D.
FOR USE ON 25AG TOP SECTION



ROTOR POST

1.25" O.D.
1.08" I.D.



90° JOINTS

2590MM - BOTH ENDS SWAGED
JOINTS ARE NOT DRILLED WHERE THEY
SLIP FIT TO 25G SECTIONS. CAN BE
FIELD DRILLED OR CUSTOM CONNECTED
TO MEET PARTICULAR NEEDS.

convenience



90° JOINTS

2590FF - BOTH ENDS OPEN
JOINTS ARE NOT DRILLED WHERE THEY
SLIP FIT TO 25G SECTIONS. CAN BE
FIELD DRILLED OR CUSTOM CONNECTED
TO MEET PARTICULAR NEEDS.



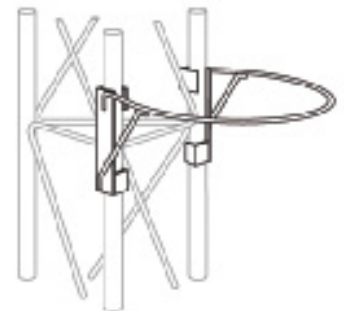
90° JOINTS

2590FM - ONE END SWAGED,
ONE OPEN
JOINTS ARE NOT DRILLED WHERE THEY
SLIP FIT TO 25G SECTIONS. CAN BE
FIELD DRILLED OR CUSTOM CONNECTED
TO MEET PARTICULAR NEEDS.



ANTI-CLIMB PANELS

25ACL3
THREE ANTI-CLIMB PANELS BOLT
TO STANDARD TOWER SECTION.



SAFETY RING

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



WORK PLATFORM

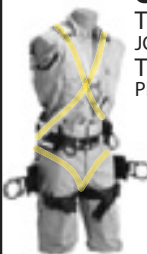
WP25G
SNAPS INTO PLACE AT ANY LEVEL.
NO BOLTS REQUIRED.



ERECTION FIXTURE

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

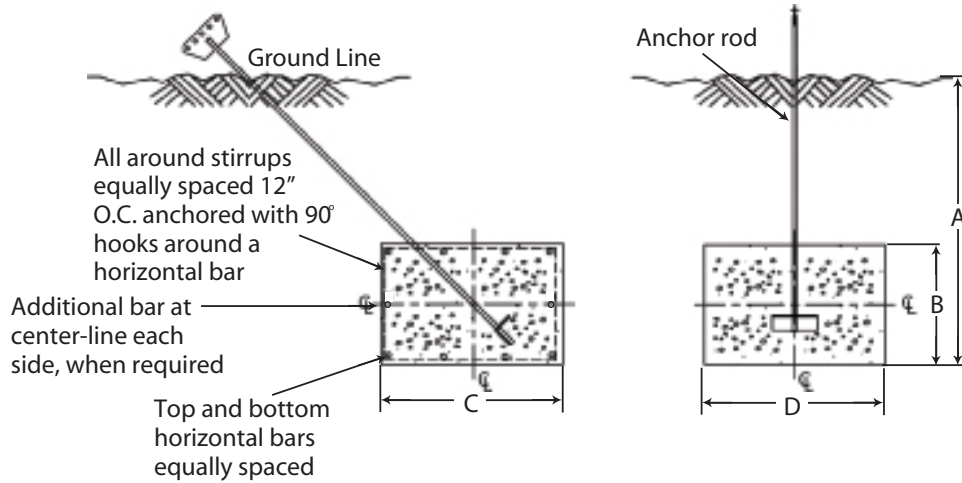
SAFETY CABLE SYSTEM ORDERING INFORMATION

| TOWER HEIGHT | PART NUMBER |
|-----------------|----------------|
| 50' | TT05025 |
| 100' | TT10025 |
| 150' | TT15025 |
| 200' | TT20025 |

SAFETY CABLE SLIDER AND
CLIMBING HARNESS MUST
BE ORDERED SEPARATELY.



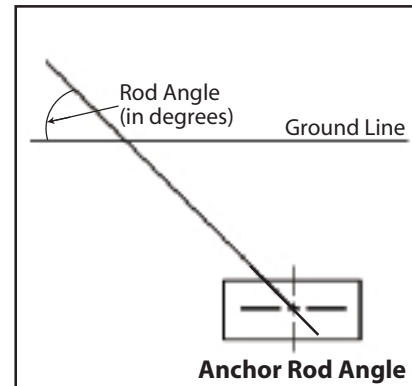
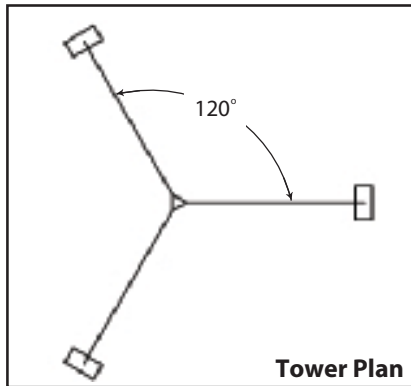
STANDARD ANCHOR BLOCKS



Refer to page 43 for anchor rod installation angles.

| Block | Anchor Dimensions (in.) | | | | Horizontal Bars (Qty. & Size) | Stirrup Size & Spacing | Concrete Vol. (Cu. Yds.) |
|-------|-------------------------|---------|---------|----------|--|---------------------------|-----------------------------------|
| | A | B | C | D | | | |
| 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



25G | 90MPH

| Tower Height | Rod Number | Rod Angle |
|--------------|------------|-----------|
| 40' | GAC3455TOP | 48 |
| 50' | GAC3455TOP | 42 |
| 60' | GAC3455TOP | 42 |
| 70' | GAC3455TOP | 42 |
| 80' | GAC3455TOP | 39 |
| 90' | GAC3455TOP | 39 |
| 100' | GAC3455TOP | 39 |
| 110' | GAC3455TOP | 39 |
| 120' | GAC3455TOP | 38 |
| 130' | GAC3455TOP | 38 |
| 140' | GAC3455TOP | 38 |
| 150' | GAC3455TOP | 37 |
| 160' | GAC3455TOP | 37 |
| 170' | GAC3455TOP | 37 |
| 180' | GAC3455TOP | 37 |
| 190' | GAC3455TOP | 37 |

25G | 110MPH

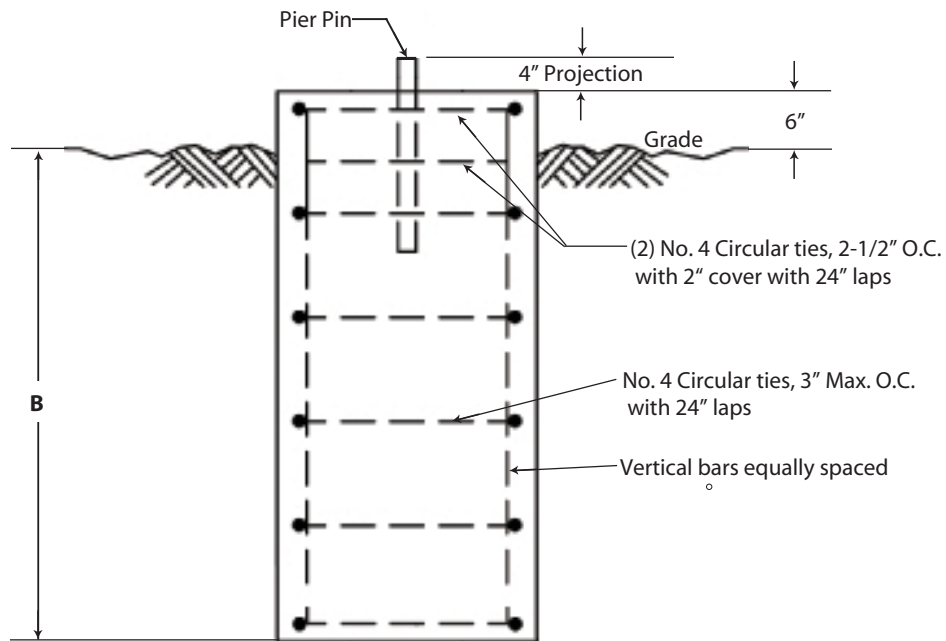
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
|--------------|------------------|-----------------|------------------|-----------------|
| 40' | GAC3455TOP | 48 | - | - |
| 50' | GAC3455TOP | 41 | - | - |
| 60' | GAC3455TOP | 41 | - | - |
| 70' | GAC3455TOP | 41 | - | - |
| 80' | GAC3455TOP | 38 | - | - |
| 90' | GAC3455TOP | 38 | - | - |
| 100' | GAC3455TOP | 39 | - | - |
| 110' | GAC3455TOP | 38 | - | - |
| 120' | GAC3455TOP | 37 | - | - |
| 130' | GAC3455TOP | 37 | - | - |
| 140' | GAC3455TOP | 37 | - | - |
| 150' | GAC3455TOP | 36 | - | - |
| 160' | GAC3455TOP | 36 | - | - |
| 170' | GAC3455TOP | 40 | GAC3455TOP | 42 |
| 180' | GAC3455TOP | 41 | GAC3455TOP | 42 |
| 190' | GAC3455TOP | 43 | GAC3455TOP | 42 |

25G | 130MPH

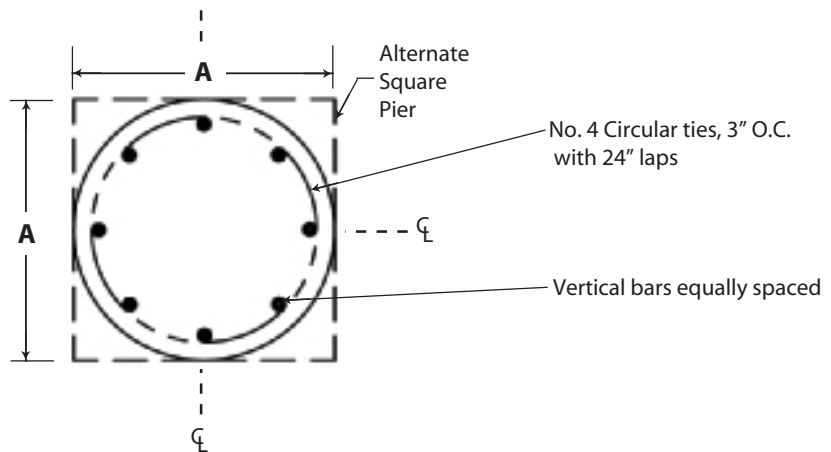
| Tower Height | Rod Number | Rod Angle |
|--------------|------------|-----------|
| 40' | GAC3455TOP | 50 |
| 50' | GAC3455TOP | 41 |
| 60' | GAC3455TOP | 41 |
| 70' | GAC3455TOP | 40 |
| 80' | GAC3455TOP | 38 |
| 90' | GAC3455TOP | 38 |
| 100' | GAC3455TOP | 38 |



STANDARD BASE PIERS



ELEVATION VIEW



PLAN VIEW

| Base | A | B | 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 |

* Square pier option must be used for CB1G.

A grayscale photograph showing a tall, lattice-structured radio tower on the left, topped with a cluster of bright lights. To the right of the tower is a large, three-dimensional letter 'A' mounted on a structure. The background is a clear, light-colored sky. The entire image is rendered in grayscale.



STANDARD 45G GUYED TOWER

ROHN 45G
The first. The original.



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

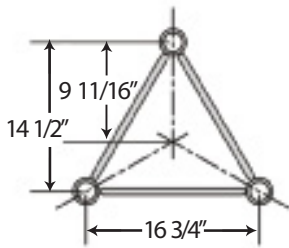
CAUTION

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.

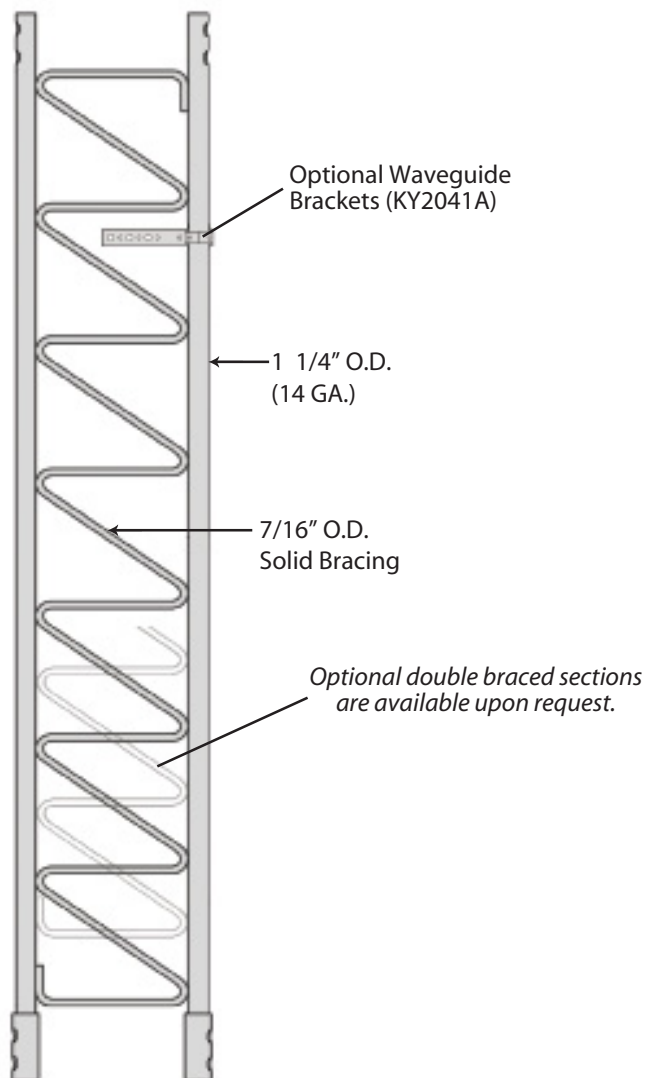


STANDARD 45G GUYED TOWER SECTIONS

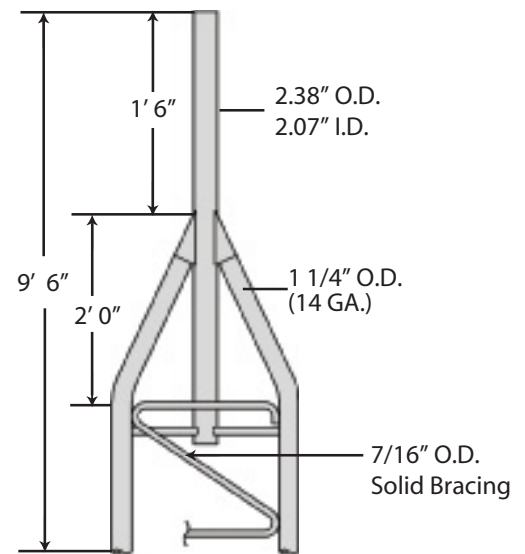


QUICK REFERENCE

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

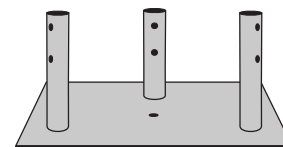


**STANDARD SECTION
45G - 10' Section**



**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.

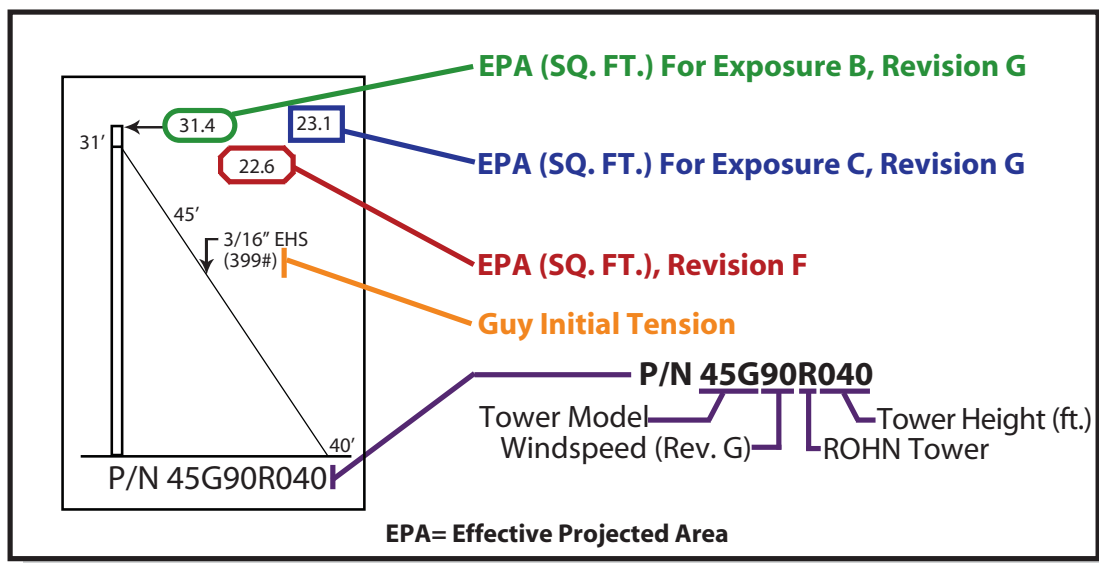
Additional base sections are available, please see page 64.

* 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.

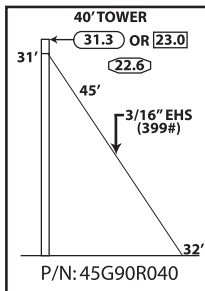
FOR FOUNDATION INFORMATION, PLEASE SEE PAGES 66-69.

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



STANDARD DESIGN - 45G

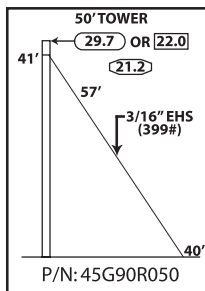
90MPH REV. G, 70MPH REV. F



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

40' ROHN 45G

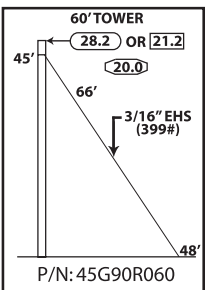
All parts shown in table are included when ordering
Part No: 45G90R040



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

50' ROHN 45G

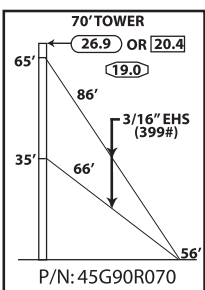
All parts shown in table are included when ordering
Part No: 45G90R050



| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 5 | 1 | 1 | 1 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | | | | | | |
| | 225' | 6 | 6 | 3 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | | | | | | |
| | 3 | 1 | 3 | 3 | 1 | |

60' ROHN 45G

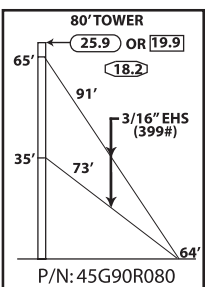
All parts shown in table are included when ordering
Part No: 45G90R060



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

70' ROHN 45G

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



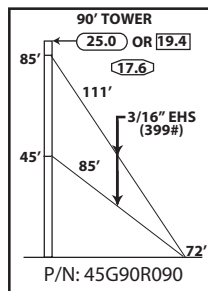
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 7 | 1 | 1 | 2 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY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

80' ROHN 45G

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



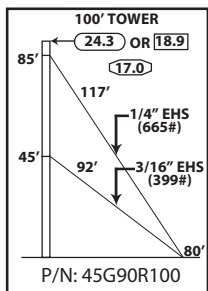
STANDARD DESIGN - 45G 90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 8 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 625' | 12 | 12 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

90' ROHN 45G

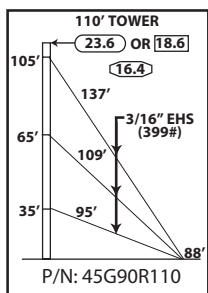
All parts shown in table are included when ordering
Part No: 45G90R090



| TOWER PARTS INCLUDED | 45G | | 45AG2 | | BPC45G | | GA45GD | | FDNS | |
|------------------------------|------------|--------|---------|--------|---------|--------|-----------|----------|------|----------|
| | 9 | | 1 | | 1 | | 2 | | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J | | | |
| | 300' | 375' | 6 | 6 | 6 | 6 | 6 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK3GGX | | CPC.5/.75 | 3/4x12PP | | TBSAFETY |
| | 3 | | 1 | | 3 | | 3 | 1 | | 3 |

100' ROHN 45G

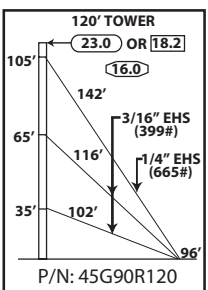
All parts shown in table are included when ordering
Part No: 45G90R100



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

110' ROHN 45G

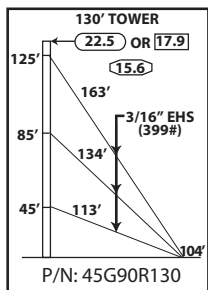
All parts shown in table are included when ordering
Part No: 45G90R110



| TOWER PARTS INCLUDED | 45G | | 45AG2 | | BPC45G | | GA45GD | | FDNS | | | | | |
|------------------------------|------------|--|---------|--|---------|--|-----------|--|----------|--------|----------|--|----------|--|
| | 11 | | 1 | | 1 | | 3 | | BASE | ANCHOR | | | | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | | 1/4EHS | | BG2142 | | BG2144 | | 5/16THH | | 3/8THH | | 1/2TBE&J | |
| | 700' | | 475' | | 12 | | 6 | | 12 | | 6 | | 9 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK3GGX | | CPC.5/.75 | | 3/4x12PP | | TBSAFETY | | | |
| | 3 | | 1 | | 3 | | 3 | | 1 | | 3 | | | |

120' ROHN 45G

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



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

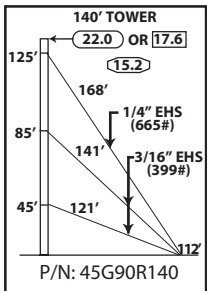
130' ROHN 45G

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



STANDARD DESIGN - 45G

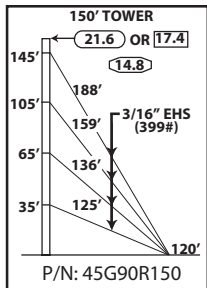
90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 45G | | 45AG2 | | BPC45G | | GA45GD | | FDNS | | |
|------------------------------|------------|--------|---------|--------|---------|--------|-----------|--|----------|--------|----------|
| | | | | | | | | | BASE | ANCHOR | |
| | 13 | | 1 | | 1 | | 3 | | CB1G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J | | | | |
| | 850' | 550' | 12 | 6 | 12 | 6 | 9 | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK3GGX | | CPC.5/.75 | | 3/4x12PP | | TBSAFETY |
| | 3 | | 1 | | 3 | | 3 | | 1 | | 3 |

140' ROHN 45G

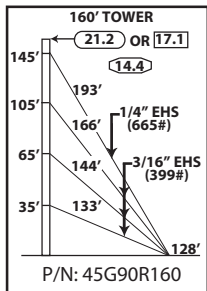
All parts shown in table are included when ordering
Part No: 45G90R140



| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 14 | 1 | 1 | 4 | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 1950' | 24 | 24 | 12 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

150' ROHN 45G

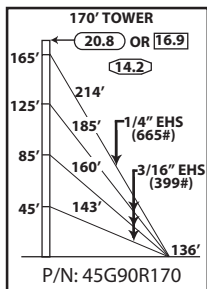
All parts shown in table are included when ordering
Part No: 45G90R150



| TOWER PARTS INCLUDED | 45G | | 45AG2 | | BPC45G | | GA45GD | | FDNS | | | | | |
|------------------------------|------------|--|---------|--|---------|--|-----------|--|----------|--------|----------|--|----------|--|
| | | | | | | | | | BASE | ANCHOR | | | | |
| | 15 | | 1 | | 1 | | 4 | | CB1G | AB2 | | | | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | | 1/4EHS | | BG2142 | | BG2144 | | 5/16THH | | 3/8THH | | 1/2TBE&J | |
| | 1425' | | 625' | | 18 | | 6 | | 18 | | 6 | | 12 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK3GGX | | CPC.5/.75 | | 3/4x12PP | | TBSAFETY | | | |
| | 3 | | 1 | | 3 | | 3 | | 1 | | 3 | | | |

160' ROHN 45G

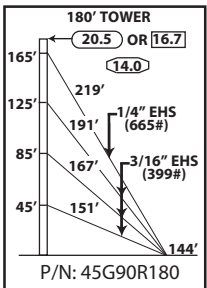
All parts shown in table are included when ordering
Part No: 45G90R160



| TOWER PARTS INCLUDED | 45G | | 45AG2 | | BPC45G | | GA45GD | | FDNS | |
|------------------------------|------------|--------|---------|---------|-----------|----------|----------|--|------|--------|
| | | | | | | | | | BASE | ANCHOR |
| | 16 | | 1 | | 1 | | 4 | | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J | | | |
| | 1575' | 700' | 18 | 6 | 18 | 6 | 12 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | | | |
| | 3 | | 1 | 3 | 3 | 1 | 3 | | | |

170' ROHN 45G

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



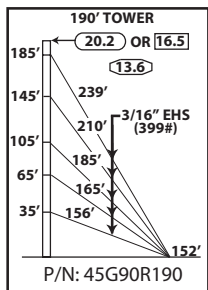
| TOWER PARTS INCLUDED | 45G | | 45AG2 | | BPC45G | | GA45GD | | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|--|------|--------|
| | | | | | | | | | BASE | ANCHOR |
| | 17 | | 1 | | 1 | | 4 | | CB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J | | | |
| | 1625' | 700' | 18 | 6 | 18 | 6 | 12 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | | | | |
| | 3 | 1 | 3 | 3 | 1 | 3 | | | | |

180' ROHN 45G

All parts shown in table are included when ordering
Part No: 45G90R180

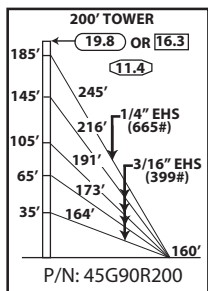


STANDARD DESIGN - 45G 90MPH REV. G, 70MPH REV. F



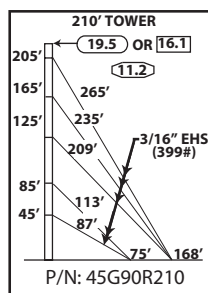
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 18 | 1 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | |
| | 3050' | 30 | 30 | 15 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

190' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G90R190



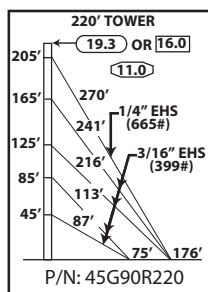
| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 20 | 1 | 1 | 5 | CB1G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 2375' | 800' | 24 | 6 | 24 | 6 | 15 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 1 | 3 | |

200' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G90R200



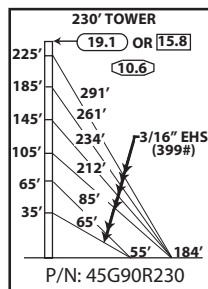
| TOWER PARTS INCLUDED | 45G | APL45G | BPC45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 21 | 1 | 1 | 5 | CB2G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142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

210' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G90R210



| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 22 | 1 | 1 | 5 | CB2G | AB1 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 2100' | 875' | 24 | 6 | 24 | 6 | 15 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 6 | 2 | 3 | 6 | 1 | 6 | |

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

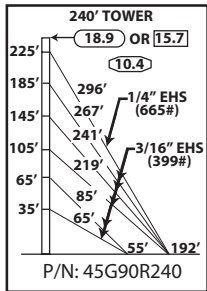


| TOWER PARTS INCLUDED | 45G | APL45G | BPC45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 23 | 1 | 1 | 6 | CB2G | AB1 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | BG2142 | 5/16THH | 1/2TBE&J | TBSAFETY | | |
| | 3675' | 36 | 36 | 18 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | | |
| | 6 | 2 | 3 | 6 | 1 | | |

230' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G90R230

STANDARD DESIGN - 45G

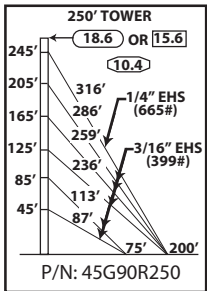
90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 24 | 1 | 1 | 6 | CB2G | AB1 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 2800' | 950' | 30 | 6 | 30 | 6 | 18 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 6 | 2 | 3 | 6 | 1 | 6 | |

240' ROHN 45G

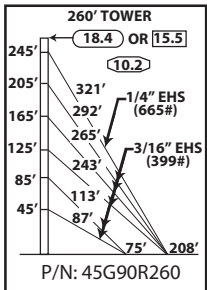
All parts shown in table are included when ordering
Part No: 45G90R240



| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 25 | 1 | 1 | 6 | CB2G | AB1 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 3125' | 1025' | 30 | 6 | 30 | 6 | 18 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 6 | 2 | 3 | 6 | 1 | 6 | |

250' ROHN 45G

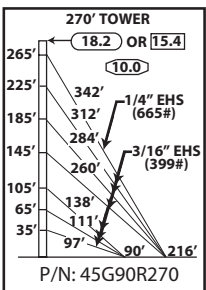
All parts shown in table are included when ordering
Part No: 45G90R250



| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 26 | 1 | 1 | 6 | CB3G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 3200' | 1025' | 30 | 6 | 30 | 6 | 18 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 6 | 2 | 3 | 6 | 1 | 6 | |

260' ROHN 45G

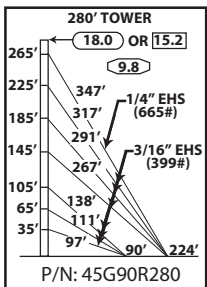
All parts shown in table are included when ordering
Part No: 45G90R260



| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 27 | 1 | 1 | 7 | CB3G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 3825' | 1100' | 36 | 6 | 36 | 6 | 21 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 6 | 2 | 3 | 6 | 1 | 6 | |

270' ROHN 45G

All parts shown in table are included when ordering
Part No: 45G90R270



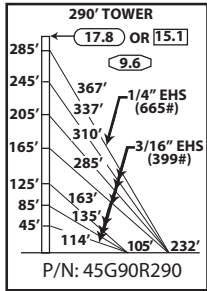
| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 28 | 1 | 1 | 7 | CB3G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 3900' | 1125' | 36 | 6 | 36 | 6 | 21 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 6 | 2 | 3 | 6 | 1 | 6 | |

280' ROHN 45G

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



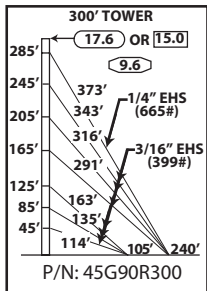
STANDARD DESIGN - 45G 90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 29 | 1 | 1 | 7 | CB3G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 4275' | 1175' | 36 | 6 | 36 | 6 | 21 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 6 | 2 | 3 | 6 | 1 | 6 | |

290' ROHN 45G

All parts shown in table are included when ordering
Part No: 45G90R290



| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 30 | 1 | 1 | 7 | CB3G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 4350' | 1200' | 36 | 6 | 36 | 6 | 21 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 6 | 2 | 3 | 6 | 1 | 6 | |

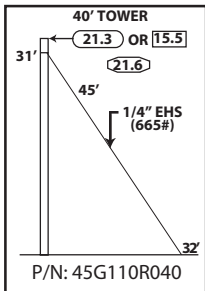
300' ROHN 45G

All parts shown in table are included when ordering
Part No: 45G90R300



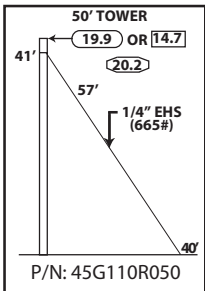
STANDARD DESIGN - 45G

110MPH REV. G, 90MPH REV. F



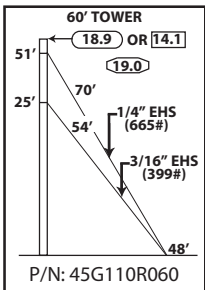
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 3 | 1 | 1 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 150' | 6 | 6 |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

40' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R040



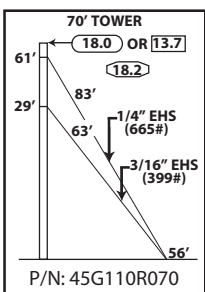
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 4 | 1 | 1 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 200' | 6 | 6 |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

50' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R050



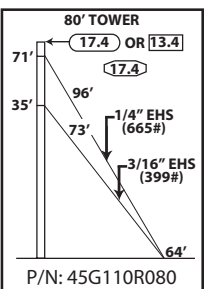
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 5 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 175' | 225' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

60' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R060



| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 6 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 225' | 275' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

70' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R070

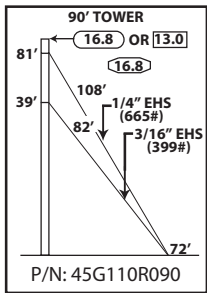


| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 7 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 250' | 325' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

80' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R080

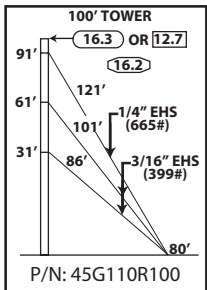


STANDARD DESIGN - 45G 110MPH REV. G, 90MPH REV. F



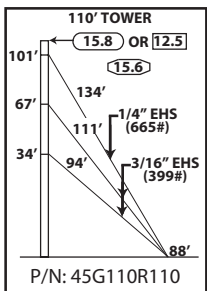
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | | | 90 |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|-------------------------|
| | | | | | BASE | ANCHOR | | |
| | 8 | 1 | 1 | 2 | CB1G | AB2 | | All tab v Part |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J | |
| | 275' | 350' | 6 | 6 | 6 | 6 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | | |
| | 3 | 1 | 3 | 3 | 1 | 3 | | |

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



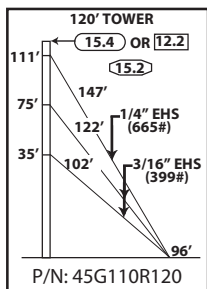
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 9 | 1 | 1 | 3 | CB1G | AB2 | 10 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 600' | 400' | 12 | 6 | 12 | 6 | 9 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 1 | 3 | |

100' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R100



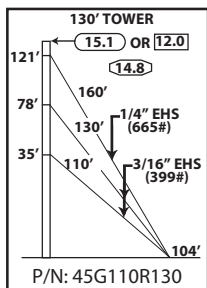
| TOWER PARTS INCLUDED | 45G | | 45AG2 | | BPC45G | | GA45GD | | FDNS | | 11 All tab v Part | | | |
|------------------------------|------------|--|---------|--|---------|--|-----------|--|----------|--------|-------------------------------|--|----------|--|
| | | | | | | | | | BASE | ANCHOR | | | | |
| | 10 | | 1 | | 1 | | 3 | | CB1G | AB2 | | | | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | | 1/4EHS | | BG2142 | | BG2144 | | 5/16THH | | 3/8THH | | 1/2TBE&J | |
| | 675' | | 450' | | 12 | | 6 | | 12 | | 6 | | 9 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK3GGX | | CPC.5/.75 | | 3/4x12PP | | TBSAFETY | | | |
| | 3 | | 1 | | 3 | | 3 | | 1 | | 3 | | | |

110' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R110



| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 11 | 1 | 1 | 3 | CB1G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 725' | 475' | 12 | 6 | 12 | 6 | 9 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 1 | 3 | |

120' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R120



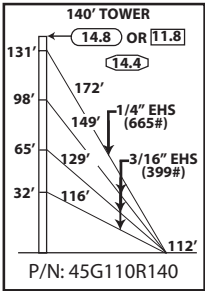
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 12 | 1 | 1 | 3 | CB1G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 775' | 525' | 12 | 6 | 12 | 6 | 9 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 1 | 3 | |

130' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R130



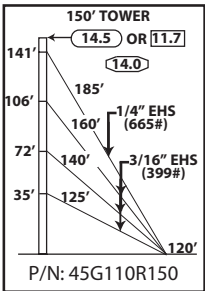
STANDARD DESIGN - 45G

110MPH REV. G, 90MPH REV. F



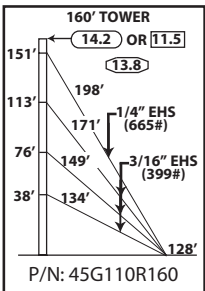
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 13 | 1 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 1275' | 550' | 18 | 6 | 18 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

140' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R140



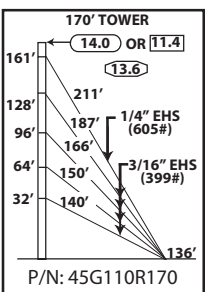
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 14 | 1 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 1375' | 600' | 18 | 6 | 18 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

150' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R150



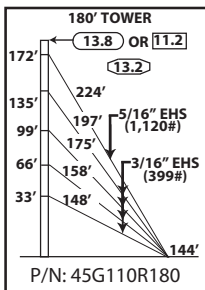
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 15 | 1 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 1450' | 650' | 18 | 6 | 18 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

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



| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 16 | 1 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 2050' | 675' | 24 | 6 | 24 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

170' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R170



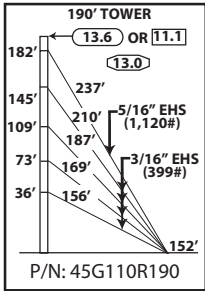
| TOWER PARTS INCLUDED | 45G | 45GL2* | BPC45G | GA45GD | APL45G | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | 17 | 1 | 1 | 5 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J |
| | 2175' | 725' | 24 | 6 | 24 | 6 | 15 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | 3/4x12PP | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 1 | | 3 |

180' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R180

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



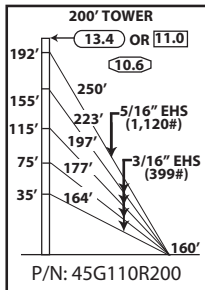
STANDARD DESIGN - 45G 110MPH REV. G, 90MPH REV. F



| TOWER PARTS INCLUDED | 45G | 45GL2* | BPC45G | GA45GD | APL45G | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | 18 | 1 | 1 | 5 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J |
| | 2300' | 725' | 24 | 6 | 24 | 6 | 15 |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | 3/4x12PP | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 1 | 3 | |

190' ROHN 45G

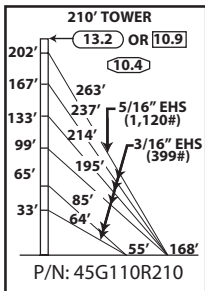
All parts shown in table are included when ordering
Part No: 45G110R190



| TOWER PARTS INCLUDED | 45G | 45GL2* | BPC45G | GA45GD | APL45G | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | 19 | 1 | 1 | 5 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J |
| | 2425' | 800' | 24 | 6 | 24 | 6 | 15 |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | 3/4x12PP | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 1 | 3 | |

200' ROHN 45G

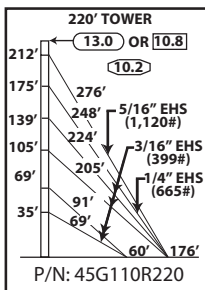
All parts shown in table are included when ordering
Part No: 45G110R200



| TOWER PARTS INCLUDED | 45G | BPC45G | 45GL2* | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|----------|-----------|-----------|--------------|--------------|
| | 20 | 1 | 1 | 1 | 6 | CB3G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | | | |
| | 2550' | 850' | 30 | 6 | 30 | | | |
| | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | 3/4x12PP | | | |
| | 6 | 6 | 12 | 6 | 1 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | CPC1/1.25 | | |
| | 3 | 3 | 2 | 3 | 3 | 3 | | |

210' ROHN 45G

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



| TOWER PARTS INCLUDED | 45G | BPC45G | 45GL2* | APL45G | GA45GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|-----------|--------------|--------------|
| | 21 | 1 | 1 | 1 | 6 | CB3G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | | |
| | 1875' | 800' | 900' | 24 | 6 | 6 | | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | | |
| | 24 | 6 | 6 | 6 | 12 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | CPC1/1.25 | 3/4X12PP | |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 | |

220' ROHN 45G

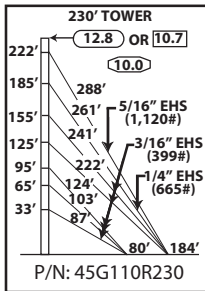
All parts shown in table are included when ordering
Part No: 45G110R220

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



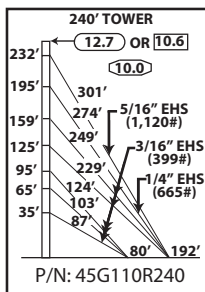
STANDARD DESIGN - 45G

110MPH REV. G, 90MPH REV. F



| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | 45GL2* | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|-----------|--------------|--------------|
| | 22 | 1 | 1 | 7 | 1 | CB3G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | | |
| | 2475' | 850' | 925' | 30 | 6 | 6 | | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | | |
| | 30 | 6 | 6 | 9 | 12 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP | |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 | |

230' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R230



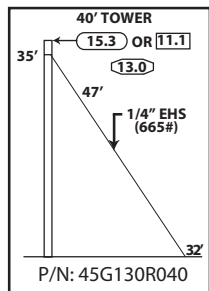
| TOWER PARTS INCLUDED | 45G | BPC45G | APL45G | GA45GD | 45GL2* | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|-----------|--------------|--------------|
| | 23 | 1 | 1 | 7 | 1 | CB3G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | | |
| | 2525' | 875' | 975' | 30 | 6 | 6 | | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | | |
| | 30 | 6 | 6 | 9 | 12 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP | |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 | |

240' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G110R240

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



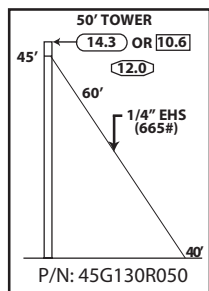
STANDARD DESIGN - 45G 130MPH REV. G, 110MPH REV. F



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

40' ROHN 45G

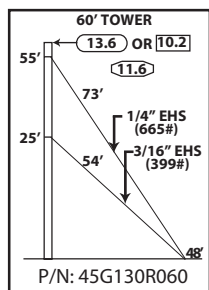
All parts shown in table are included when ordering
Part No: 45G130R040



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

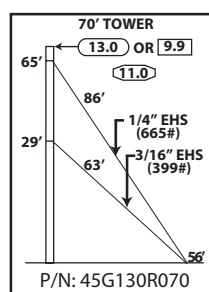
50' ROHN 45G

All parts shown in table are included when ordering
Part No: 45G130R050



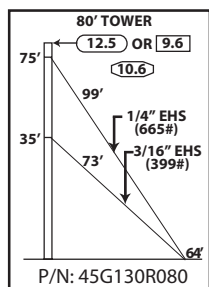
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 5 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 175' | 250' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

60' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G130R060



| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 6 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 225' | 275' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

70' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G130R070

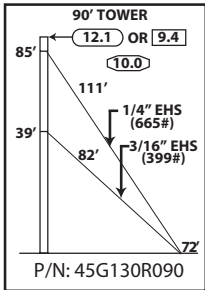


| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 7 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 250' | 325' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

80' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G130R080

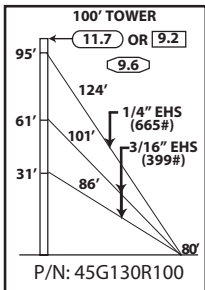
STANDARD DESIGN - 45G

130MPH REV. G, 110MPH REV. F



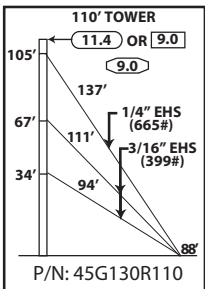
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 8 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 275' | 375' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

90' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G130R090



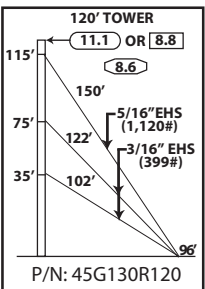
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 9 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 600' | 400' | 12 | 6 | 12 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

100' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G130R100



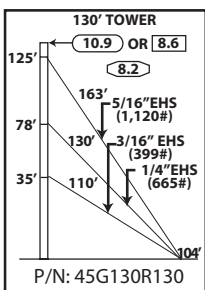
| TOWER PARTS INCLUDED | 45G | 45AG2 | BPC45G | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 10 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 675' | 450' | 12 | 6 | 12 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY |
| | 3 | 1 | 3 | 3 | 1 | 3 |

110' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G130R110



| TOWER PARTS INCLUDED | 45G | 45GL5* | BPC45G | GA45GD | APL45G | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | 11 | 1 | 1 | 3 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH | 1/2TBE&J |
| | 725' | 500' | 12 | 6 | 12 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | 3/4x12PP | TBSAFETY | 5/8TBE&J |
| | 3 | 1 | 3 | 3 | 1 | 3 | 3 |

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

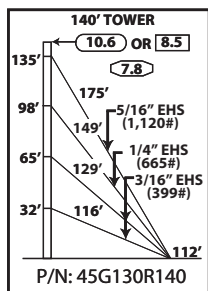


| TOWER PARTS INCLUDED | 45G | 45GL5* | BPC45G | GA45GD | APL45G | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|--------|
| | 12 | 1 | 1 | 3 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | |
| | 350' | 425' | 525' | 6 | 6 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 6 | 6 | 6 | 9 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | 3/4x12PP | | |
| | 3 | 1 | 3 | 3 | 1 | | |

130' ROHN 45G
All parts shown in table are included when ordering
Part No: 45G130R130

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

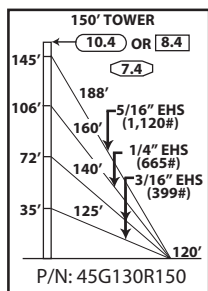
STANDARD DESIGN - 45G
130MPH REV. G, 110MPH REV. F



| TOWER PARTS INCLUDED | 45G | 45GL5* | BPC45G | GA45GD | APL45G | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|--------|--------|
| | | | | | | BASE | ANCHOR |
| | 13 | 1 | 1 | 4 | 1 | CB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | |
| | 800' | 475' | 575' | 12 | 6 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 12 | 6 | 6 | 12 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | 3/4x12PP | | |
| | 3 | 1 | 3 | 3 | 1 | | |

140' ROHN 45G

All parts shown in
table are included
when ordering
Part No: 45G130R140



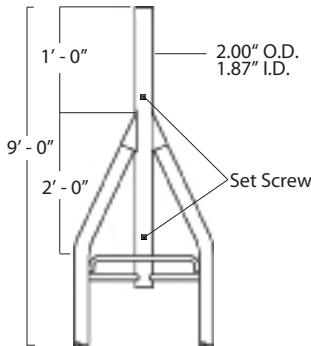
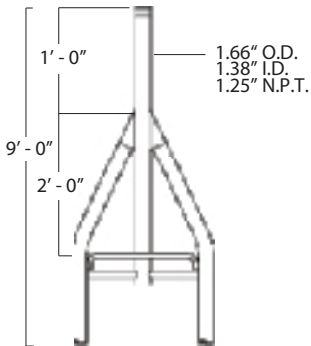
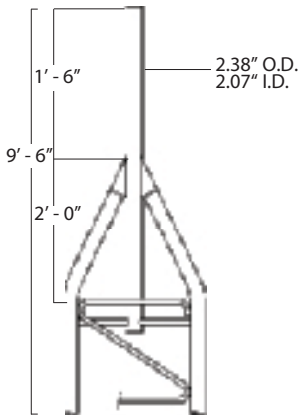
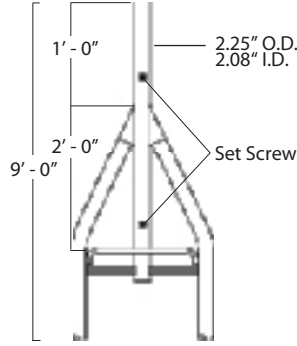
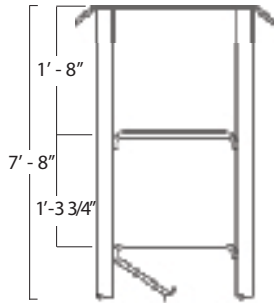
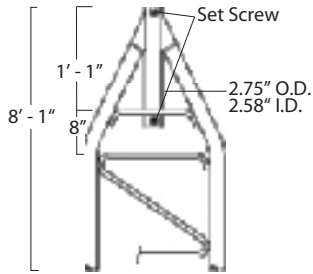
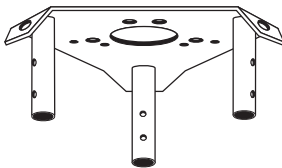
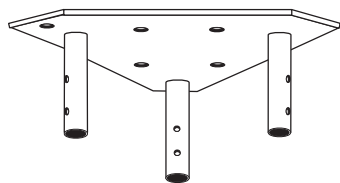
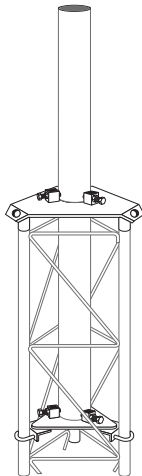
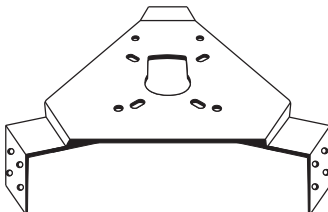

| TOWER PARTS INCLUDED | 45G | 45GL5* | BPC45G | GA45GD | APL45G | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|--------|--------|
| | | | | | | BASE | ANCHOR |
| | 14 | 1 | 1 | 4 | 1 | CB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | |
| | 850' | 525' | 600' | 12 | 6 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 12 | 6 | 6 | 12 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | 3/4x12PP | | |
| | 3 | 1 | 3 | 3 | 1 | | |

150' ROHN 45G

All parts shown in table are included when ordering
Part No: 45G130R150

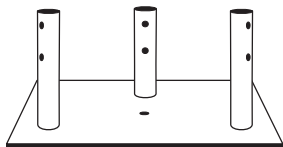
* 45GL5 Lug section required for 5/16" guy

PARTS & ACCESSORIES

| | | | |
|---|---|--|--|
|  <p>TOP SECTION 45AG</p> |  <p>TOP SECTION 45AG1</p> |  <p>TOP SECTION 45AG2</p> |  <p>TOP SECTION 45AG3</p> |
|  <p>TOP SECTION 45AG4</p> <p>TOP PLATE HOLE PATTERN IS THE SAME AS BPL45G.</p> |  <p>TOP SECTION 45AG5</p> |  <p>BEARING PLATE BPL45G</p> <p>CONVERTS STANDARD SECTION TO A TOP SECTION. HOLE PATTERN FITS TB3 (2" O.D.) AND TB4 (3" O.D.) THRUST BEARINGS.</p> |  <p>TOP PLATE APL45G</p> <p>FOR MOUNTING BEACON OR LIGHTNING ROD.</p> |
|  <p>TOP MOUNT 45TDMKD - NO MAST 45TDM2S3KD - 2 3/8" O.D. MAST 45TDM2S53KD - 2 7/8" O.D. MAST 45TDM3S3KD - 3 1/2" O.D. MAST 45TDM3S53KD - 4" O.D. MAST 45TDM4S3KD - 4 1/2" O.D. MAST</p> <p>MOUNTING TUBE PROVIDED IS 7' LONG.</p> |  <p>ACCESSORY SHELF AS455G</p> <p>FOR MOUNTING MANY POPULAR ROTORS. FIELD DRILLING MAY BE NECESSARY FOR SOME ROTORS.</p> |  <p>LIGHTNING ROD LRCL 5' COPPER CLAD MOUNTS TO APL45G.</p> | |



PARTS & ACCESSORIES



CONCRETE BASE PLATE BPC45G*

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

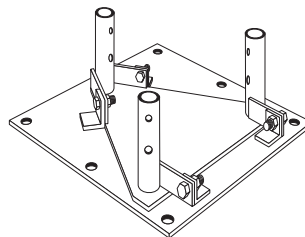
CONCRETE BASE PLATE IS TO BE
USED FOR BRACKETED AND
GUYED APPLICATIONS ONLY.



PIER PIN 3/4X12PP

FOR USE WITH BPC45G
EMBEDDED IN CONCRETE.

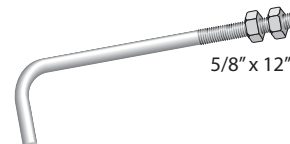
PIER PIN MUST BE ORDERED
SEPARATELY, UNLESS BEING
PURCHASED AS PART OF
A COMPLETE TOWER KIT.



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

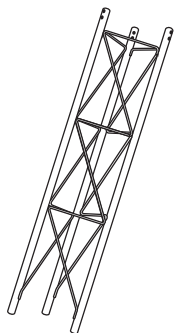
FOR USE WITH BPH45G

(6) REQUIRED, ORDERED SEPARATELY.



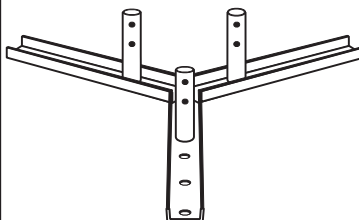
TAPERED BASE 45TG*

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



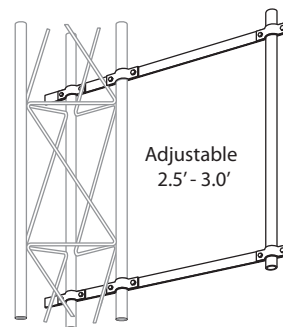
5' SHORT BASE SB45G

FOR EMBEDMENT IN CONCRETE.



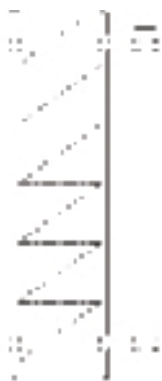
FLAT ROOF MOUNT FR45G*

BOLTS DIRECTLY TO FLAT ROOF SURFACE.



SIDE ARM BRACKET SA253UA

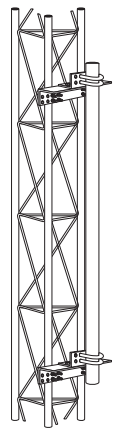
MOUNTING TUBE PROVIDED IS 3' LONG,
2 - 1/4" O.D.



DISH MOUNT

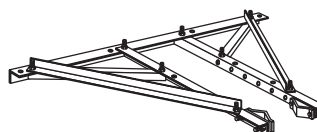
VY4311A2 - 2 3/8" O.D.
VY4311A - 4 1/2" O.D.

MAST TUBE PROVIDED IS 5' LONG.



FACE MOUNT

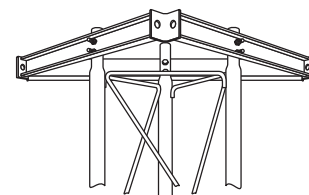
DM45G2 - 2 3/8" O.D. 5' LONG
DM454 - 4 1/2" O.D. 5' LONG



HEAVY DUTY UNIVERSAL HOUSE BRACKET

HBUTVRO

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



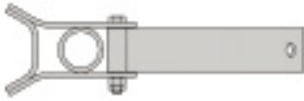
TORQUE ARM STABILIZER ASSEMBLY

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.

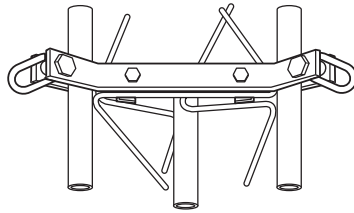
PARTS & ACCESSORIES



TORQUE BAR

TB45D

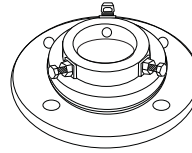
OPTIONAL, FOR USE WITH GA45GD.
REQUIRES (1) 3/8" SHACKLE
FOR EACH BAR.



GUY BRACKET

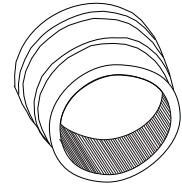
GA45GD

MOUNTS TO TOWER AT ANY
HORIZONTAL BRACE.



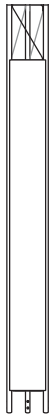
THRUST BEARING

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



TOWER BUSHING

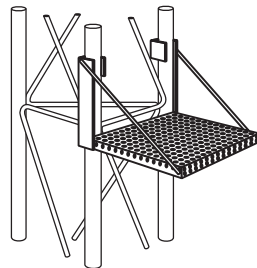
TB50 - 1-1/4" I.D. X 2" O.D.
FOR USE ON 45AG TOP SECTION



ANTI-CLIMB PANEL

ACL455

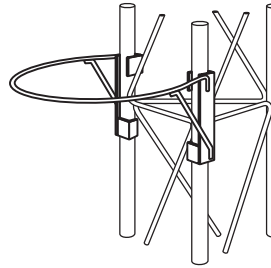
THREE ANTI-CLIMB PANELS BOLT
TO STANDARD TOWER SECTION.



WORK PLATFORM

WP45G

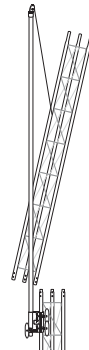
SNAPS INTO PLACE AT ANY LEVEL.
NO BOLTS REQUIRED.



SAFETY RING

SR245

SNAPS INTO PLACE AT ANY LEVEL.
NO BOLTS REQUIRED.



ERECTION FIXTURE

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



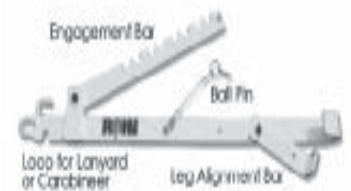
SAFETY CABLE SLIDER WITH CARABINEER

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.



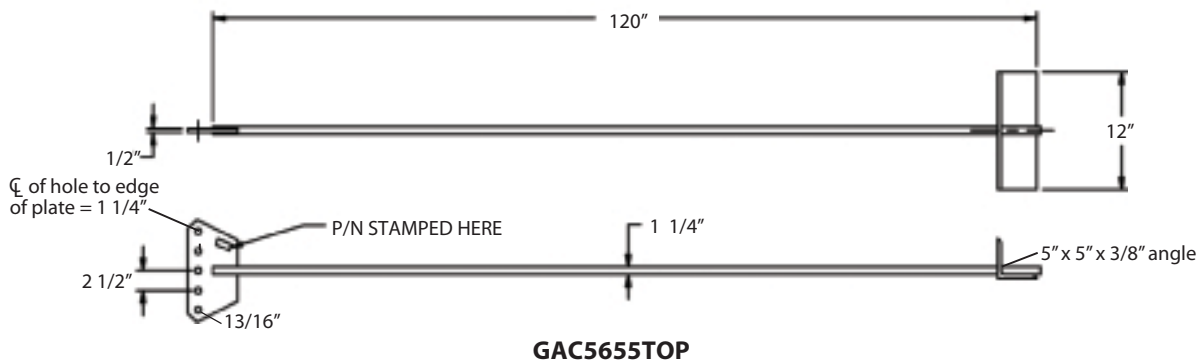
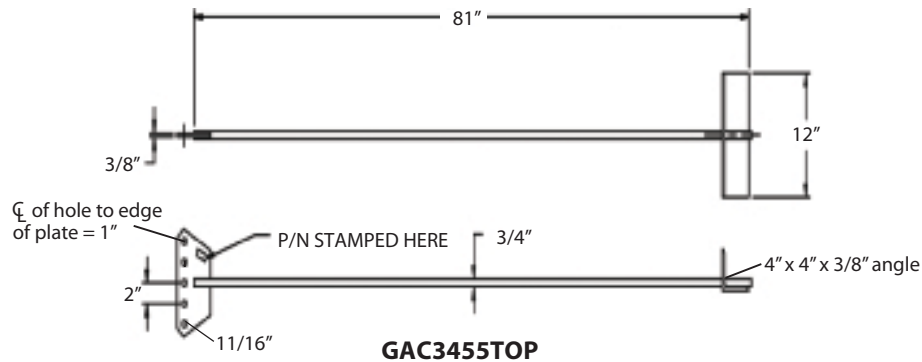
ASSEMBLY TOOL

ROHNJACK

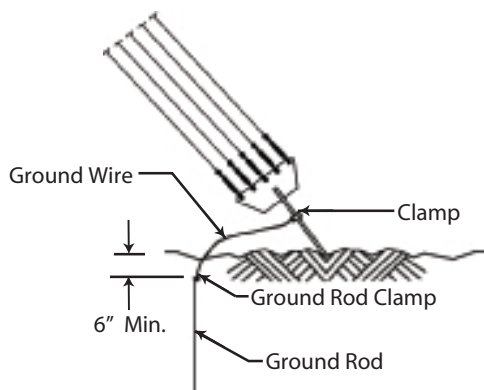
Fits 25G, 45G, & 55G



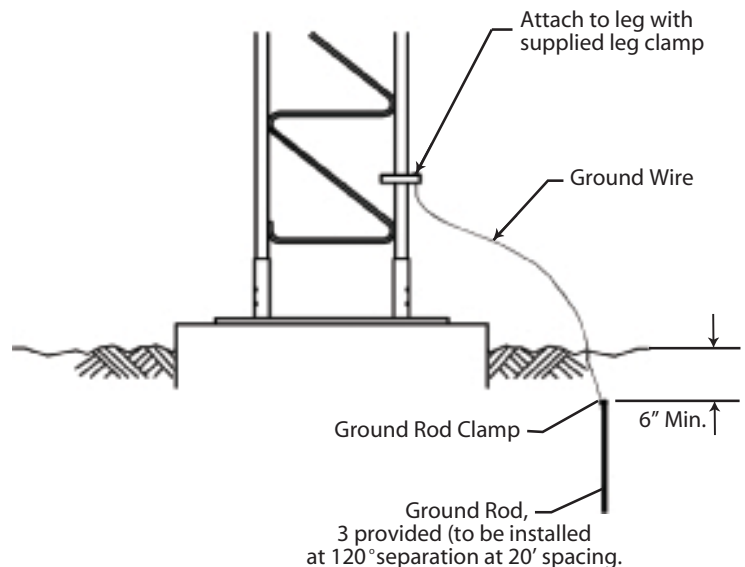
ANCHOR INFORMATION



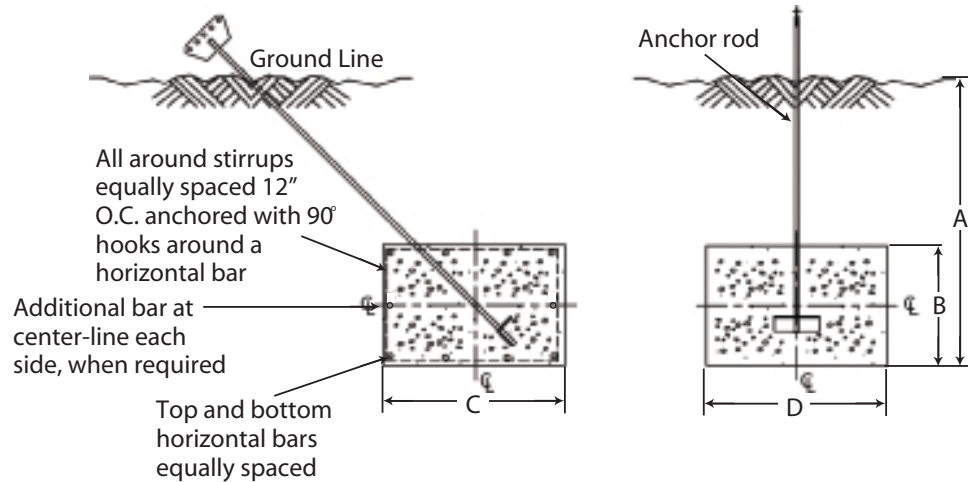
REV G ANCHOR GROUNDING AGK1GGX



REV G BASE GROUNDING BGK3GGX



STANDARD ANCHOR BLOCKS

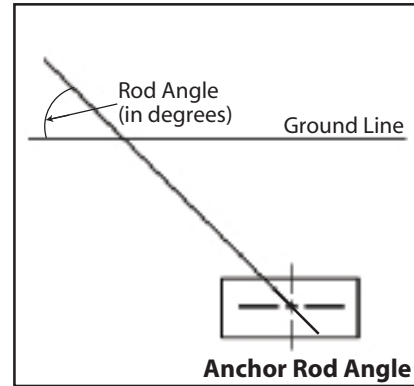
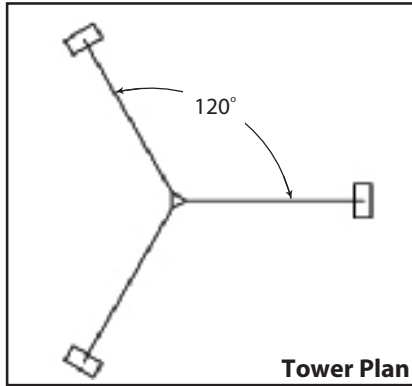


Refer to page 68 for anchor rod installation angles.

| Block | Anchor Dimensions (in.) | | | | Horizontal Bars (Qty. & Size) | Stirrup Size & Spacing | Concrete Vol. (Cu. Yds.) |
|-------|-------------------------|---------|---------|----------|--|---------------------------|-----------------------------------|
| | A | B | C | D | | | |
| 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

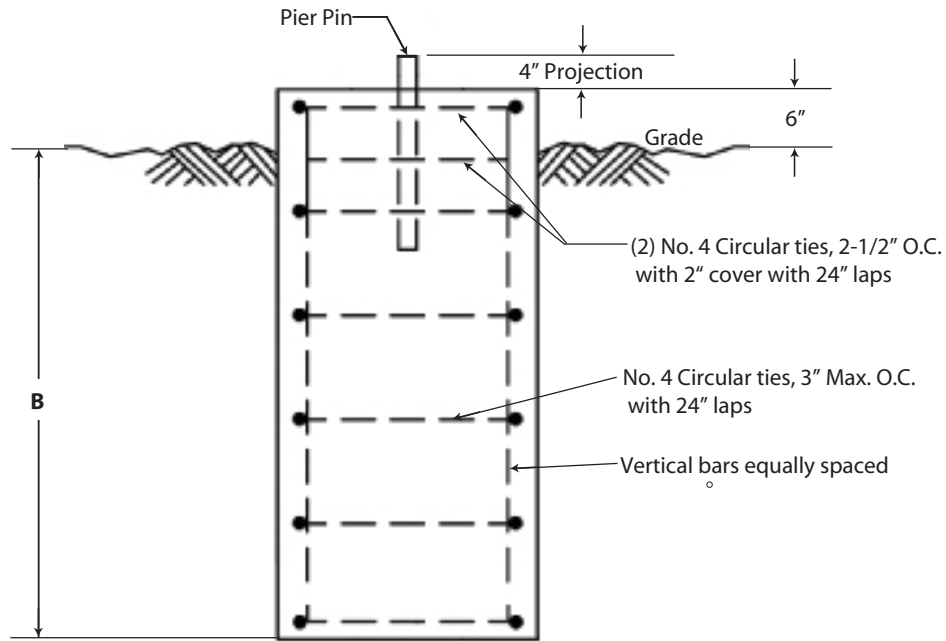


| 45G 90MPH | | | | |
|--------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 40' | GAC3455TOP | 45 | - | - |
| 50' | GAC3455TOP | 46 | - | - |
| 60' | GAC3455TOP | 43 | - | - |
| 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 |

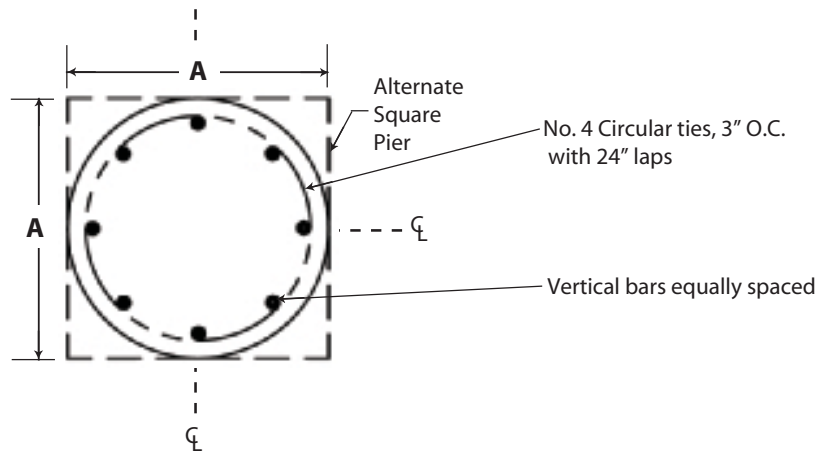
| 45G 110MPH | | | | |
|--------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 40' | GAC3455TOP | 45 | - | - |
| 50' | GAC3455TOP | 46 | - | - |
| 60' | GAC3455TOP | 41 | - | - |
| 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 130MPH | | |
|--------------|------------|-----------|
| Tower Height | Rod Number | Rod 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 | A | B | 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.



STANDARD 45GSR GUYED TOWER

ROHN 45GSR
The first. The original.

45GSR

GENERAL USE

The 45GSR maintains the utility of the 45G and adds the strength of solid round steel legs. The 45GSR has a strong 4 bolt flange connection, giving connection joints superior strength over typical 1 bolt flange connection systems. The 45GSR is available in heights up to 340'.

FEATURES

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

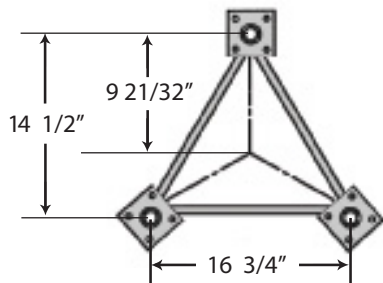
CAUTION

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 92 for ordering information.

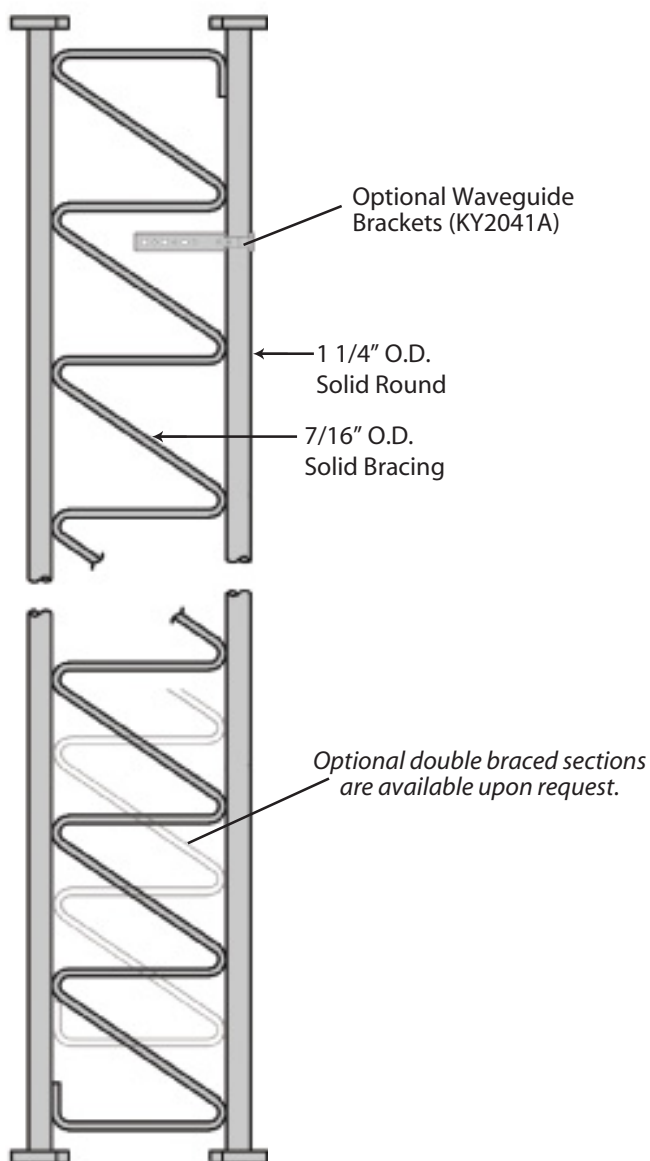


STANDARD 45GSR GUYED TOWER SECTIONS

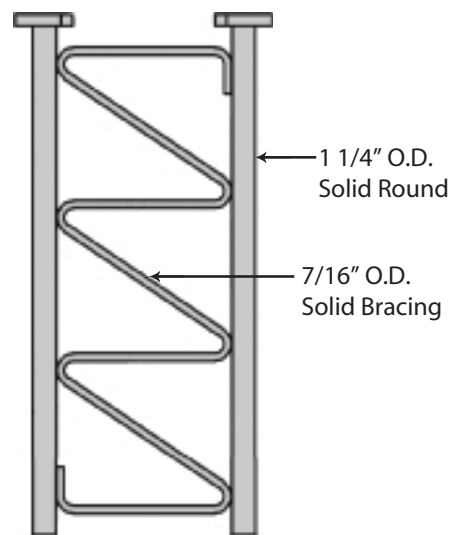


QUICK REFERENCE

| | |
|------------------------|-------------|
| PARTS & ACCESSORIES | PAGE 92 |
| GROUNDING INFORMATION | PAGE 93 |
| FOUNDATION INFORMATION | PAGES 93-97 |



STANDARD SECTION
45GSR10 - 10' Section
45GSR20 - 20' Section



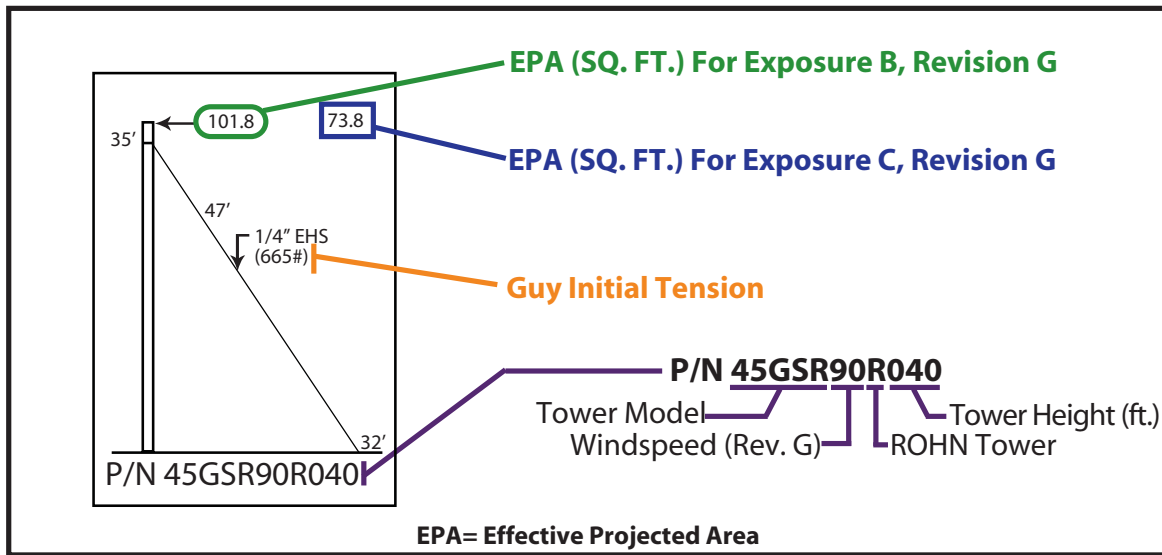
4.3' 45GSR SHORT BASE
45GSRSB

TO BE EMBEDDED IN CONCRETE.



BUYERS GUIDE STANDARD DESIGNS - 45GSR 90MPH REV. G [3 SECOND GUST]

Design Criteria



This document is to serve as a guide for sizing and purchasing the 45GSR 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-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 7/8" 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 93-97.

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

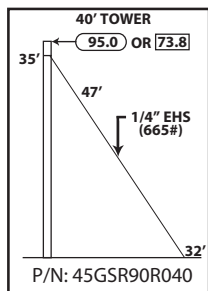
STANDARD DESIGN - 45GSR

90MPH REV. G

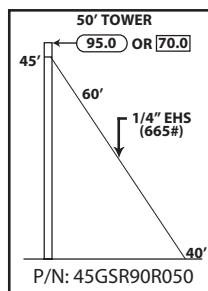
45GSR
SOLID ROD

40' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R040



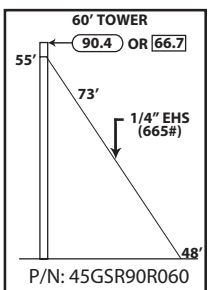
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 2 | 1 | 1 | FB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY |
| | 150' | 6 | 6 | 3 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 2 | 1 | 1 | 1 | FB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 200' | 6 | 6 | 3 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

50' ROHN 45GSR

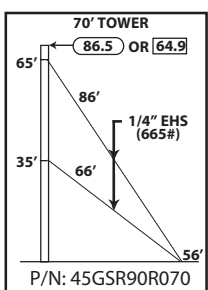
All parts shown in table are included when ordering
Part No: 45GSR90R050



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|--|
| | | | | BASE | ANCHOR | |
| | 3 | 1 | 1 | FB1G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 250' | 6 | 6 | 3 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

60' ROHN 45GSR

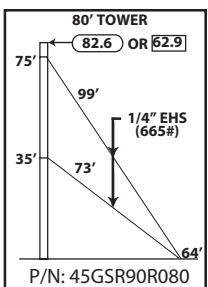
All parts shown in table are included when ordering
Part No: 45GSR90R060



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 3 | 1 | 1 | 2 | FB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 500' | 12 | 12 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

70' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R070



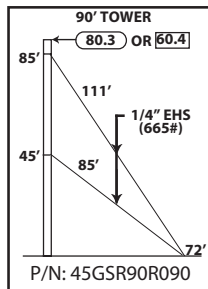
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 4 | 1 | 2 | FB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY |
| | 550' | 12 | 12 | 6 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

80' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R080



STANDARD DESIGN - 45GSR 90MPH REV. G

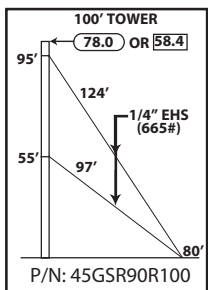


| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 4 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 625' | 12 | 12 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

45GSR
SOLID ROD

90' ROHN 45GSR

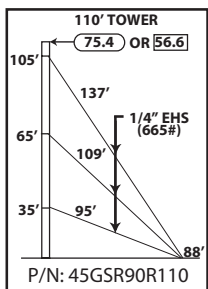
All parts shown in table are included when ordering
Part No: 45GSR90R090



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | 5 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY |
| | 725' | 12 | 12 | 6 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

100' ROHN 45GSR

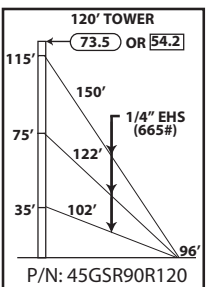
All parts shown in table are included when ordering
Part No: 45GSR90R100



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 5 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 1100' | 18 | 18 | 9 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

110' ROHN 45GSR

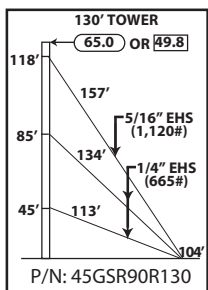
All parts shown in table are included when ordering
Part No: 45GSR90R110



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | 6 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY |
| | 1200' | 18 | 18 | 9 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

120' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R120



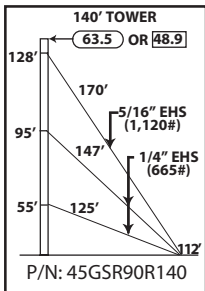
| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|----------|--------|
| | 6 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 800' | 500' | 12 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | 1/2TBE&J | | |
| | 12 | 6 | 3 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 3 | |

130' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R130



STANDARD DESIGN - 45GSR 90MPH REV. G

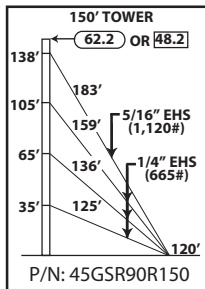


| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 7 | 1 | 3 | FB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | |
| | 875' | 550' | 12 | 6 | |
| | 3/8THH | 7/16THH | 5/8TBE&J | 1/2TBE&J | |
| | 12 | 6 | 3 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | TBSAFETY |
| | 3 | 1 | 3 | 3 | 3 |

45GSR
SOLID ROD

140' ROHN 45GSR

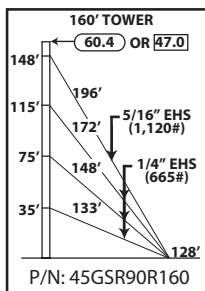
All parts shown in table are included when ordering
Part No: 45GSR90R140



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 7 | 1 | 1 | 4 | FB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 1350' | 600' | 18 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | 1/2TBE&J | | |
| | 18 | 6 | 3 | 9 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | TBSAFETY | |
| | 3 | 1 | 3 | 3 | 3 | |

150' ROHN 45GSR

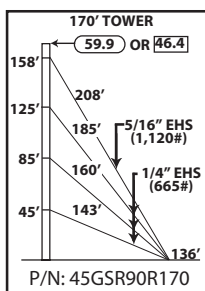
All parts shown in table are included when ordering
Part No: 45GSR90R150



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 8 | 1 | 4 | FB1G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | |
| | 1450' | 625' | 18 | 6 | |
| | 3/8THH | 7/16THH | 5/8TBE&J | 1/2TBE&J | |
| | 18 | 6 | 3 | 9 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | TBSAFETY |
| | 3 | 1 | 3 | 3 | 3 |

160' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R160



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 8 | 1 | 1 | 4 | FB1G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 1575' | 675' | 18 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 18 | 6 | 12 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

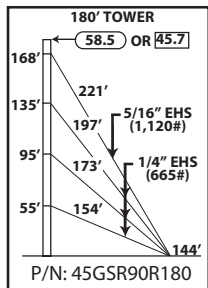
170' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R170



STANDARD DESIGN - 45GSR 90MPH REV. G

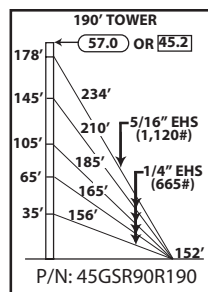
45GSR
SOLID ROD



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|--------|
| | 9 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | |
| | 1675' | 725' | 18 | 6 | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | |
| | 18 | 6 | 12 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | |
| | 3 | 1 | 3 | 3 | |

180' ROHN 45GSR

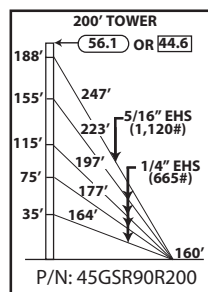
All parts shown in table are included when ordering
Part No: 45GSR90R180



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|------|--------|
| | 9 | 1 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 2300' | 750' | 24 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 24 | 6 | 15 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

190' ROHN 45GSR

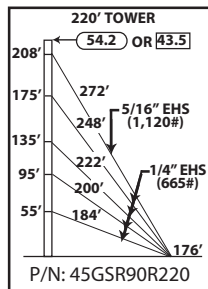
All parts shown in table are included when ordering
Part No: 45GSR90R190



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | FDNS | |
|------------------------------|------------|---------|----------|-----------|------|--------|
| | 10 | 1 | 5 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 2425' | 800' | 24 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 24 | 6 | 15 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

200' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R200



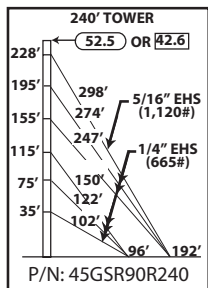
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | FDNS | |
|------------------------------|------------|---------|----------|-----------|------|--------|
| | 11 | 1 | 5 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 2725' | 875' | 24 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 24 | 6 | 15 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

220' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R220

STANDARD DESIGN - 45GSR 90MPH REV. G

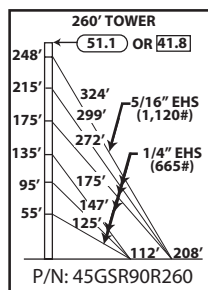
45GSR
SOLID ROD



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|----------|-----------|----------|--------------|--------------|
| | 12 | 1 | 6 | 1 | FB1G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | | |
| | 2850' | 950' | 30 | 6 | | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | 1/2TBE&J | | | |
| | 30 | 6 | 3 | 15 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | TBSAFETY | | |
| | 6 | 2 | 3 | 6 | 6 | | |

240' ROHN 45GSR

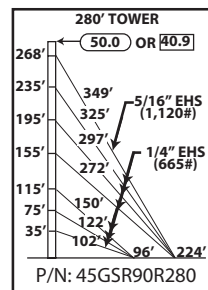
All parts shown in table are included when ordering
Part No: 45GSR90R240



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|----------|-----------|----------|--------------|--------------|
| | 13 | 1 | 6 | 1 | FB1G | AB2 | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | | |
| | 3250' | 1050' | 30 | 6 | | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | 1/2TBE&J | | | |
| | 30 | 6 | 3 | 15 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | TBSAFETY | | |
| | 6 | 2 | 3 | 6 | 6 | | |

260' ROHN 45GSR

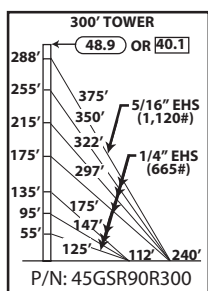
All parts shown in table are included when ordering
Part No: 45GSR90R260



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 14 | 1 | 7 | 1 | FB1G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | | |
| | 4050' | 1125' | 36 | 6 | 36 | | |
| | 7/16THH | 5/8TBE&J | 1/2TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 12 | 9 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | TBSAFETY | | |
| | 3 | 3 | 2 | 3 | 6 | | |

280' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R280



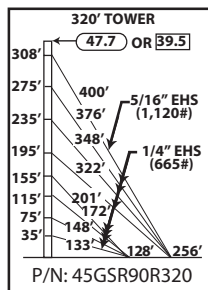
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 15 | 1 | 7 | 1 | FB1G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | | |
| | 4525' | 1200' | 36 | 6 | 36 | | |
| | 7/16THH | 5/8TBE&J | 1/2TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 12 | 9 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | TBSAFETY | | |
| | 3 | 3 | 2 | 3 | 6 | | |

300' ROHN 45GSR

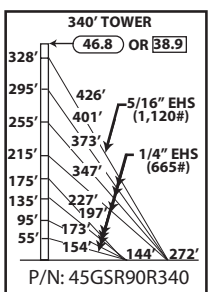
All parts shown in table are included when ordering
Part No: 45GSR90R300



STANDARD DESIGN - 45GSR 90MPH REV. G



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 16 | 1 | 8 | 1 | FB1G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | | |
| | 5450' | 1275' | 42 | 6 | 42 | | |
| | 7/16THH | 5/8TBE&J | 1/2TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 12 | 12 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | TBSAFETY | | |
| | 3 | 3 | 2 | 3 | 6 | | |



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 17 | 1 | 8 | 1 | FB1G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | | |
| | 5975' | 1375' | 42 | 6 | 42 | | |
| | 7/16THH | 5/8TBE&J | 1/2TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 12 | 12 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | TBSAFETY | | |
| | 3 | 3 | 2 | 3 | 6 | | |

45GSR
SOLID ROD

320' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R320

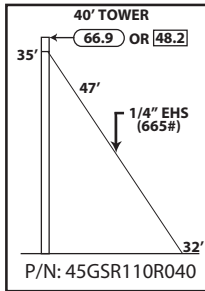
340' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR90R340



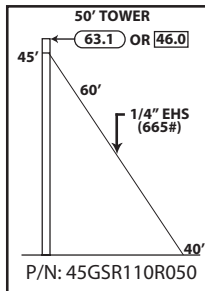
STANDARD DESIGN - 45GSR 110MPH REV. G

45GSR
SOLID ROD



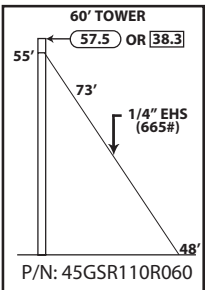
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 2 | 1 | 1 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY |
| | | | | | |
| | 150' | 6 | 6 | 3 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | | | | | |
| | 3 | 1 | 3 | 3 | |

40' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R040



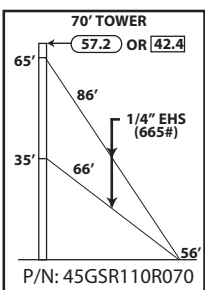
| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 2 | 1 | 1 | 1 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 200' | 6 | 6 | 3 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

50' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R050



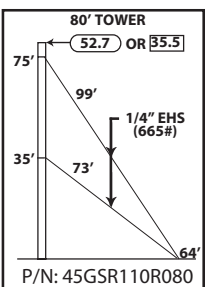
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 3 | 1 | 1 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY |
| | | | | | |
| | 250' | 6 | 6 | 3 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | | | | | |
| | 3 | 1 | 3 | 3 | |

60' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R060



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 3 | 1 | 1 | 2 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 500' | 12 | 12 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

70' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R070

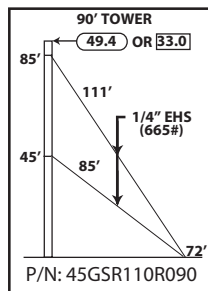


| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 4 | 1 | 2 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY |
| | | | | | |
| | 550' | 12 | 12 | 6 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | | | | | |
| | 3 | 1 | 3 | 3 | |

80' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R080



STANDARD DESIGN - 45GSR 110MPH REV. G

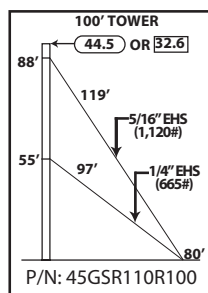


| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | 4 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | FB2G | AB2 |
| | 625' | 12 | 12 | 6 | TBSAFETY | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

45GSR
SOLID ROD

90' ROHN 45GSR

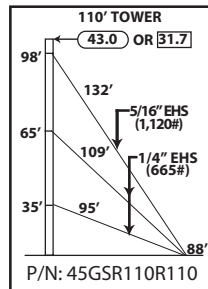
All parts shown in table are included when ordering
Part No: 45GSR110R090



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | 5 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 1/2TBE&J | 5/8TBE&J |
| | 325' | 400' | 6 | 3 | 3 |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | |
| | 6 | 6 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

100' ROHN 45GSR

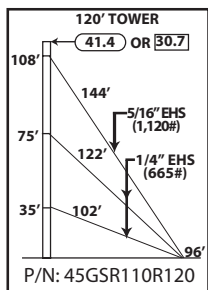
All parts shown in table are included when ordering
Part No: 45GSR110R100



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|--------------------------------|------------|---------|---------|-----------|----------|--------|
| | 5 | 1 | 1 | 3 | BASE | ANCHOR |
| GUY WIRE & CONNECTION INCLUDED | 1/4EHS | 142265 | 3/8THH | 1/2TBE&J | 5/8TBE&J | |
| | 650' | 425' | 12 | 6 | 3 | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | | |
| | 6 | 12 | 6 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

110' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR110R110



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | 6 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 1/2TBE&J | 5/8TBE&J |
| | 725' | 475' | 12 | 6 | 3 |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | |
| | 6 | 12 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

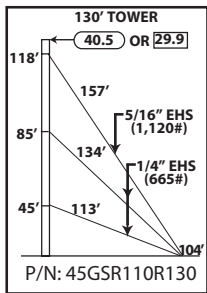
120' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR110R120



STANDARD DESIGN - 45GSR 110MPH REV. G

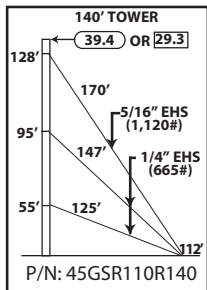
45GSR
SOLID ROD



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 6 | 1 | 1 | 3 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 1/2TBE&J | 5/8TBE&J | |
| | 800' | 500' | 12 | 6 | 3 | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | | |
| | 6 | 12 | 6 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

130' ROHN 45GSR

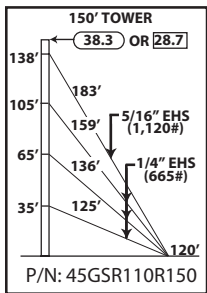
All parts shown in table are included when ordering
Part No: 45GSR110R130



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 7 | 1 | 3 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 1/2TBE&J | 5/8TBE&J |
| | 875' | 550' | 12 | 6 | 3 |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | |
| | 6 | 12 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

140' ROHN 45GSR

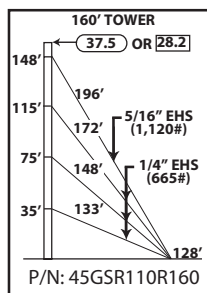
All parts shown in table are included when ordering
Part No: 45GSR110R140



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 7 | 1 | 1 | 4 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 5/8TBE&J | | |
| | 1350' | 600' | 18 | 12 | | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | | |
| | 6 | 18 | 6 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

150' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR110R150



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|--------|
| | | | | BASE | ANCHOR |
| | 8 | 1 | 4 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 5/8TBE&J | |
| | 1450' | 625' | 18 | 12 | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | |
| | 6 | 18 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | |
| | 3 | 1 | 3 | 3 | |

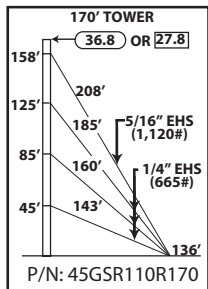
160' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR110R160



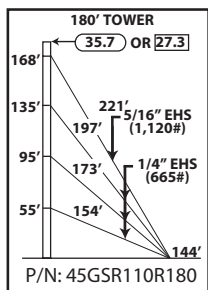
STANDARD DESIGN - 45GSR 110MPH REV. G

45GSR
SOLID ROD



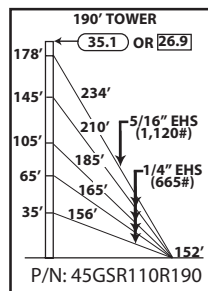
| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 8 | 1 | 1 | 4 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 5/8TBE&J | | |
| | 1575' | 675' | 18 | 12 | | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | | |
| | 6 | 18 | 6 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

170' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R170



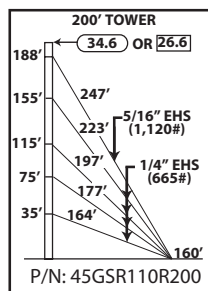
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|--------|
| | | | | BASE | ANCHOR |
| | 9 | 1 | 4 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 5/8TBE&J | |
| | 1675' | 725' | 18 | 12 | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | |
| | 6 | 18 | 6 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | |
| | 3 | 1 | 3 | 3 | |

180' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R180



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 9 | 1 | 1 | 5 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 5/8TBE&J | | |
| | 2300' | 750' | 24 | 15 | | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | | |
| | 6 | 24 | 6 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

190' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R190

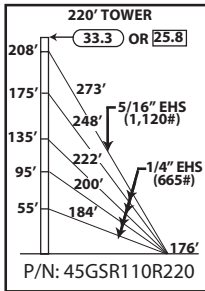


| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | FDNS | |
|------------------------------|------------|---------|---------|-----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 10 | 1 | 5 | 1 | FB2G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 5/8TBE&J | | |
| | 2425' | 800' | 24 | 15 | | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | | |
| | 6 | 24 | 6 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

200' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR110R200

STANDARD DESIGN - 45GSR 110MPH REV. G

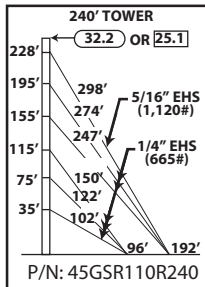
45GSR
SOLID ROD



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | FDNS | |
|------------------------------|------------|---------|---------|-----------|------|--------|
| | 11 | 1 | 5 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 3/8THH | 5/8TBE&J | | |
| | 2725' | 875' | 24 | 15 | | |
| | 7/16THH | BG2144 | BG2146 | TBSAFETY | | |
| | 6 | 24 | 6 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

220' ROHN 45GSR

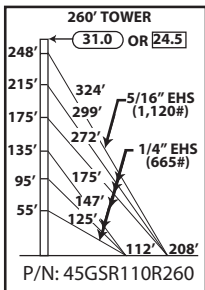
All parts shown in table are included when ordering
Part No: 45GSR110R220



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 12 | 1 | 6 | 1 | FB2G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | | |
| | 2850' | 950' | 30 | 6 | 30 | | |
| | 7/16THH | 5/8TBE&J | 1/2TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 9 | 9 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | TBSAFETY | | |
| | 3 | 3 | 2 | 3 | 6 | | |

240' ROHN 45GSR

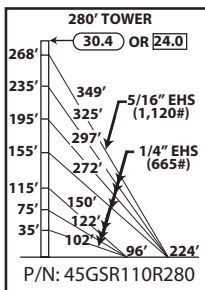
All parts shown in table are included when ordering
Part No: 45GSR110R240



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 13 | 1 | 6 | 1 | FB2G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | | |
| | 3250' | 1050' | 30 | 6 | 30 | | |
| | 7/16THH | 5/8TBE&J | 1/2TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 9 | 9 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | TBSAFETY | | |
| | 3 | 3 | 2 | 3 | 6 | | |

260' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR110R260



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 14 | 1 | 7 | 1 | FB2G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | | |
| | 4050' | 1125' | 36 | 6 | 36 | | |
| | 7/16THH | 5/8TBE&J | 1/2TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 12 | 9 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | TBSAFETY | | |
| | 3 | 3 | 2 | 3 | 6 | | |

280' ROHN 45GSR

All parts shown in table are included when ordering
Part No: 45GSR110R280

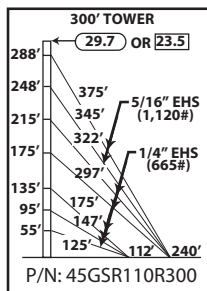


STANDARD DESIGN - 45GSR 110MPH REV. G

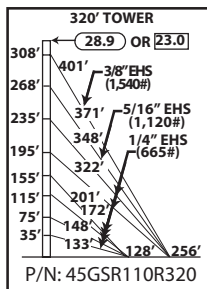
45GSR
SOLID ROD

300' ROHN 45GSR

All parts shown in table
are included when ordering
Part No: 45GSR110R300



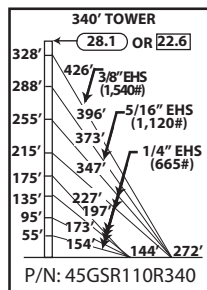
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|------------|-----------|--------------|--------------|
| | 15 | 1 | 7 | 1 | FB2G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | | |
| | 3400' | 2300' | 30 | 12 | 30 | | |
| | 7/16THH | 5/8TBE&J | 1/2TBE&J | CPC.5/1.25 | CPC1/1.25 | | |
| | 12 | 12 | 9 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK3GGX | TBSAFETY | | |
| | 3 | 3 | 2 | 3 | 6 | | |



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 15 | 1 | 7 | 1 | FB2G | AB3 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | BG2146 | BG2147 | 5/8S |
| | 4225' | 1200' | 1300' | 36 | 6 | 6 | 3 |
| | 1/2THH | 3/8THH | 7/16THH | 5/8TBE&J | 5/8S | 45GSR20L82* | |
| | 6 | 36 | 6 | 24 | 3 | 1 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | TBSAFETY | | |
| | 6 | 2 | 3 | 6 | 6 | | |

320' ROHN 45GSR

All parts shown in table
are included when ordering
Part No: 45GSR110R320



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|---------|-----------|----------|--------------|--------------|
| | 16 | 1 | 7 | 1 | FB2G | AB3 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | BG2146 | BG2147 | 5/8S |
| | 4700' | 1275' | 1375' | 36 | 6 | 6 | 3 |
| | 1/2THH | 3/8THH | 7/16THH | 5/8TBE&J | 5/8S | 45GSR20L82* | |
| | 6 | 36 | 6 | 24 | 3 | 1 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | TBSAFETY | | |
| | 6 | 2 | 3 | 6 | 6 | | |

340' ROHN 45GSR

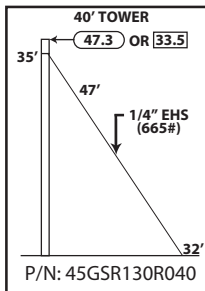
All parts shown in table
are included when ordering
Part No: 45GSR110R340

* Guy lug sections required for 3/8" guys.



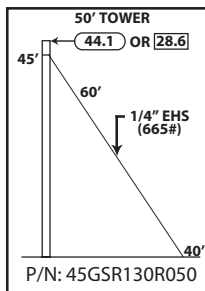
STANDARD DESIGN - 45GSR 130MPH REV. G

45GSR
SOLID ROD



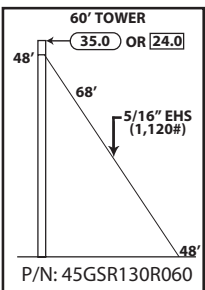
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 2 | 1 | 1 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY |
| | 150' | 6 | 6 | 3 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

40' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R040



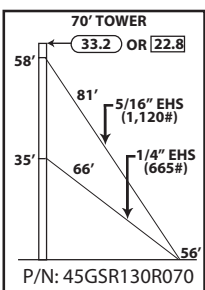
| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 2 | 1 | 1 | 1 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | BG2144 | 3/8THH | 1/2TBE&J | TBSAFETY | |
| | 200' | 6 | 6 | 3 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

50' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR90R050



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|
| | | | | BASE | ANCHOR |
| | 3 | 1 | 1 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 142265 | BG2146 | 7/16THH | 5/8TBE&J | TBSAFETY |
| | 225' | 6 | 6 | 3 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

60' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR90R060



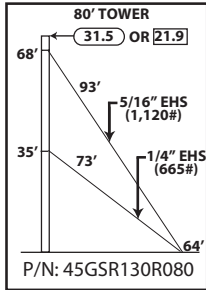
| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|----------|----------|-----------|--------|--------|
| | | | | | BASE | ANCHOR |
| | 3 | 1 | 1 | 2 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | |
| | 225' | 275' | 6 | 6 | 6 | |
| | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | | |
| | 6 | 3 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

70' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R070



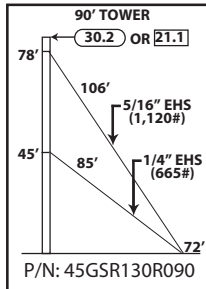
STANDARD DESIGN - 45GSR 130MPH REV. G

45GSR
SOLID ROD



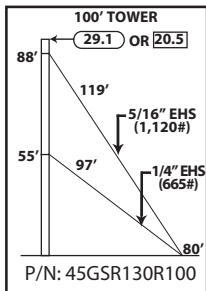
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|----------|----------|-----------|--------|
| | | | | BASE | ANCHOR |
| | 4 | 1 | 2 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH |
| | 250' | 300' | 6 | 6 | 6 |
| | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| | 6 | 3 | 3 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

80' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R080



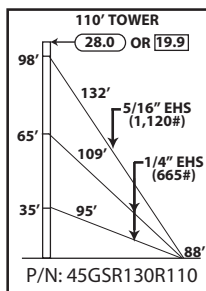
| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|----------|----------|-----------|--------|--------|
| | | | | | BASE | ANCHOR |
| | 4 | 1 | 1 | 2 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH | |
| | 275' | 350' | 6 | 6 | 6 | |
| | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | | |
| | 6 | 3 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | | |
| | 3 | 1 | 3 | 3 | | |

90' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R090



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|----------|----------|-----------|--------|
| | | | | BASE | ANCHOR |
| | 5 | 1 | 2 | FB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | 3/8THH |
| | 325' | 400' | 6 | 6 | 6 |
| | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| | 6 | 3 | 3 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC.5/.75 | |
| | 3 | 1 | 3 | 3 | |

100' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R100



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 5 | 1 | 1 | 3 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 650' | 425' | 12 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 12 | 6 | 9 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

110' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R110

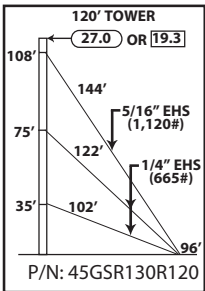


STANDARD DESIGN - 45GSR 130MPH REV. G

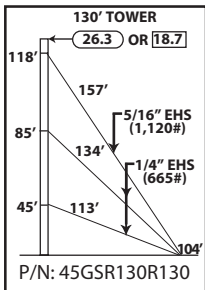
45GSR
SOLID ROD

120' ROHN 45GSR

All parts shown in table
are included when ordering
Part No: 45GSR130R120



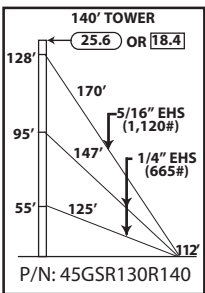
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|--------|
| | | | | BASE | ANCHOR |
| | 6 | 1 | 3 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | |
| | 725' | 475' | 12 | 6 | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | |
| | 12 | 6 | 9 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | |
| | 3 | 1 | 3 | 3 | |



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 6 | 1 | 1 | 3 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | ar |
| | 800' | 500' | 12 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 12 | 6 | 9 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | |
| | 3 | 1 | 3 | 3 | | |

130' ROHN 45GSR

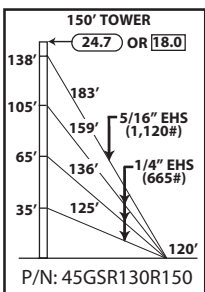
All parts shown in table
are included when ordering
Part No: 45GSR130R130



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|--------|
| | | | | BASE | ANCHOR |
| | 7 | 1 | 3 | FB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | |
| | 875' | 550' | 12 | 6 | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | |
| | 12 | 6 | 9 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | |
| | 3 | 1 | 3 | 3 | |

140' ROHN 45GSR

All parts shown in table
are included when ordering
Part No: 45GSR130R140



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|----------|------|--------|
| | 7 | 1 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | FB2G | AB4 |
| | 1350' | 600' | 18 | 6 | | |
| | 3/8THH | 7/16THH | 3/4TBE&J | TBSAFETY | | |
| | 18 | 6 | 12 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | | |
| | 3 | 1 | 3 | 3 | | |

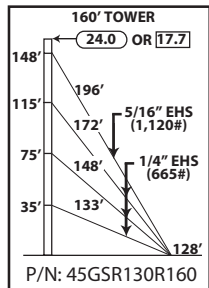
150' ROHN 45GSR

All parts shown in table
are included when ordering
Part No: 45GSR130R150



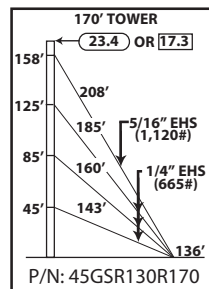
STANDARD DESIGN - 45GSR 130MPH REV. G

45GSR
SOLID ROD



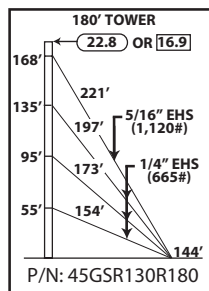
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|----------|--------|
| | | | | BASE | ANCHOR |
| | 8 | 1 | 4 | FB2G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | |
| | 1450' | 625' | 18 | 6 | |
| | 3/8THH | 7/16THH | 3/4TBE&J | TBSAFETY | |
| | 18 | 6 | 12 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | |
| | 3 | 1 | 3 | 3 | |

160' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R160



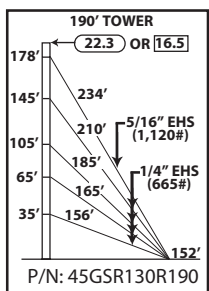
| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 8 | 1 | 1 | 4 | FB2G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 1575' | 675' | 18 | 6 | | |
| | 3/8THH | 7/16THH | 3/4TBE&J | TBSAFETY | | |
| | 18 | 6 | 12 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | | |
| | 3 | 1 | 3 | 3 | | |

170' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R170



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|----------|--------|
| | | | | BASE | ANCHOR |
| | 9 | 1 | 4 | FB2G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | |
| | 1675' | 725' | 18 | 6 | |
| | 3/8THH | 7/16THH | 3/4TBE&J | TBSAFETY | |
| | 18 | 6 | 12 | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | |
| | 3 | 1 | 3 | 3 | |

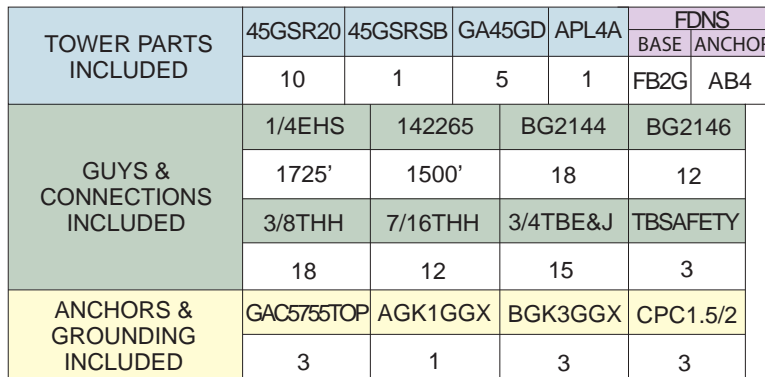
180' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R180



| TOWER PARTS INCLUDED | 45GSR20 | 45GSR10 | 45GSRSB | GA45GD | FDNS | |
|------------------------------|------------|---------|----------|----------|------|--------|
| | | | | | BASE | ANCHOR |
| | 9 | 1 | 1 | 5 | FB2G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 2300' | 750' | 24 | 6 | | |
| | 3/8THH | 7/16THH | 3/4TBE&J | TBSAFETY | | |
| | 24 | 6 | 15 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | | |
| | 3 | 1 | 3 | 3 | | |

190' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R190

45GSR
SOLID ROD



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | FDNS | |
|------------------------------|------------|---------|----------|----------|------------|--------|
| | 10 | 1 | 4 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | 45GSR20L82 | |
| | 1950' | 775' | 875' | 18 | 1 | |
| | BG2146 | BG2147 | 7/16THH | 1/2THH | | |
| | 6 | 6 | 6 | 6 | | |
| | 3/8THH | 5/8S | 3/4TBE&J | TBSAFETY | | |
| | 18 | 3 | 15 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | | |
| | 3 | 1 | 3 | 3 | | |

| TOWER PARTS INCLUDED | 45GSR20 | 45GSR5B | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|----------|-----------|------------|--------------|--------------|
| | 11 | 1 | 5 | 1 | FB2G | AB3 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | 45GSR20L82 | | |
| | 1500' | 1325' | 950' | 18 | 1 | | |
| | BG2146 | BG2147 | 7/16THH | 1/2THH | | | |
| | 12 | 6 | 12 | 6 | | | |
| | 3/8THH | 5/8S | 5/8TBE&J | TBSAFETY | | | |
| | 18 | 3 | 18 | 6 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | | |
| | 6 | 2 | 3 | 6 | | | |

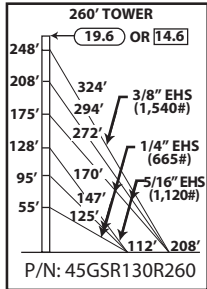
240' ROHN 45GSR
All parts shown in table
are included when ordering
Part No: 45GSR130R240





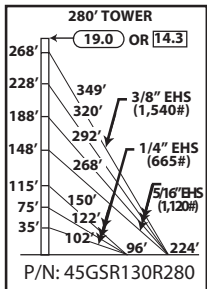
STANDARD DESIGN - 45GSR 130MPH REV. G

45GSR
SOLID ROD



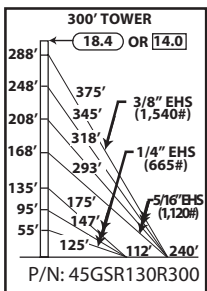
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|-----------|---------|----------|-----------|-------------|--------------|--------------|
| | 12 | 1 | 5 | 1 | FB2G | AB3 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | 45GSR20.82* | | |
| | 1750' | 1500' | 1050' | 18 | 1 | | |
| | BG2146 | BG2147 | 7/16THH | 1/2THH | | | |
| | 12 | 6 | 12 | 6 | | | |
| | 3/8THH | 5/8S | 5/8TBE&J | TBSAFETY | | | |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK3GGX | CPC1/1.25 | | | |
| | 6 | 2 | 3 | 6 | | | |

260' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R260



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|----------|----------|-------------|--------------|--------------|
| | 13 | 1 | 6 | 1 | FB2G | AB3 | AB5 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | 45GSR20.82* | | |
| | 1200' | 2800' | 1125' | 18 | 1 | | |
| | BG2146 | BG2147 | 7/16THH | 1/2THH | | | |
| | 18 | 6 | 18 | 6 | | | |
| | 3/8THH | 5/8S | 3/4TBE&J | TBSAFETY | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | | | |
| | 6 | 2 | 3 | 6 | | | |

280' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R280



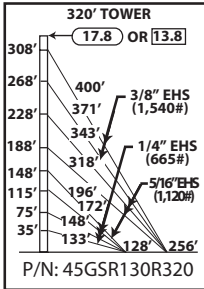
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|----------|----------|-------------|--------------|--------------|
| | 14 | 1 | 6 | 1 | FB3G | AB3 | AB5 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | 45GSR20.82* | | |
| | 1425' | 3050' | 1200' | 18 | 1 | | |
| | BG2146 | BG2147 | 7/16THH | 1/2THH | | | |
| | 18 | 6 | 18 | 6 | | | |
| | 3/8THH | 5/8S | 3/4TBE&J | TBSAFETY | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | | | |
| | 6 | 2 | 3 | 6 | | | |

300' ROHN 45GSR
All parts shown in table are included when ordering
Part No: 45GSR130R300

* Guy lug section required for 3/8" guys.

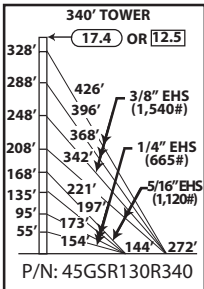
STANDARD DESIGN - 45GSR 130MPH REV. G

45GSR
SOLID ROD



| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|----------|----------|--------------|--------------|--------------|
| | 14 | 1 | 6 | 1 | FB3G | AB3 | AB5 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | 45GSR201.82" | | |
| | 1450' | 2750' | 2475' | 18 | 2 | | |
| | BG2146 | BG2147 | 7/16THH | 1/2THH | | | |
| | 18 | 12 | 18 | 12 | | | |
| | 3/8THH | 5/8S | 3/4TBE&J | TBSAFETY | | | |
| | 18 | 6 | 24 | 6 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | | | |
| | 6 | 2 | 3 | 6 | | | |

320' ROHN 45GSR
All parts shown in table
are included when ordering
Part No: 45GSR130R320




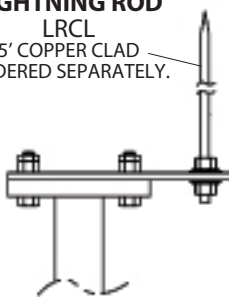
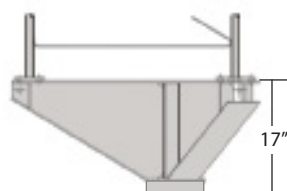
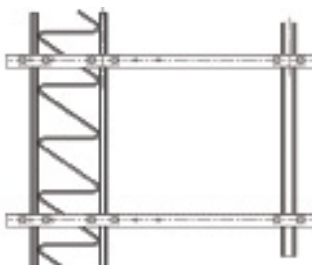
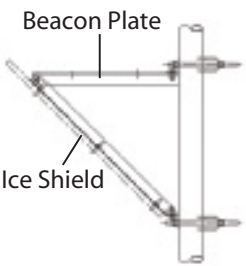
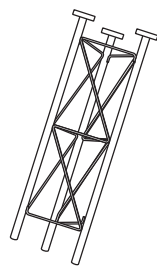
| TOWER PARTS INCLUDED | 45GSR20 | 45GSRSB | GA45GD | APL4A | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|---------|----------|----------|--------------|--------------|--------------|
| | 14 | 1 | 5 | 1 | FB3G | AB4 | AB5 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | 142261 | BG2144 | 45GSR201.82" | | |
| | 1675' | 1800' | 3800' | 18 | 3 | | |
| | BG2146 | BG2147 | 7/16THH | 1/2THH | | | |
| | 12 | 18 | 12 | 18 | | | |
| | 3/8THH | 5/8S | 3/4TBE&J | TBSAFETY | | | |
| | 18 | 9 | 24 | 6 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK3GGX | CPC1.5/2 | | | |
| | 6 | 2 | 3 | 6 | | | |

340' ROHN 45GSR
All parts shown in table
are included when ordering
Part No: 45GSR130R340

* Guy lug section required for 3/8" guys.



PARTS & ACCESSORIES

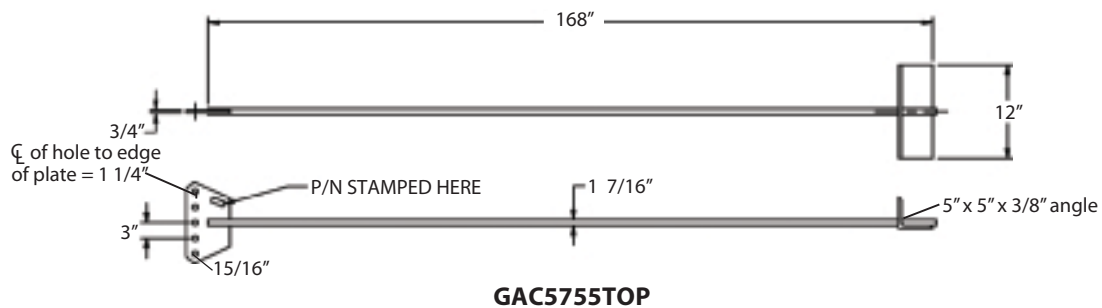
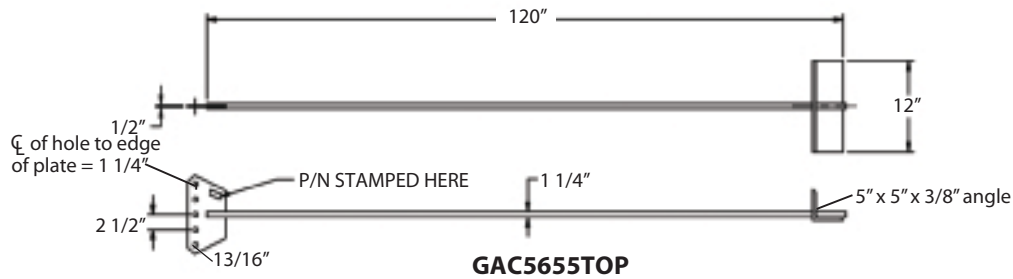
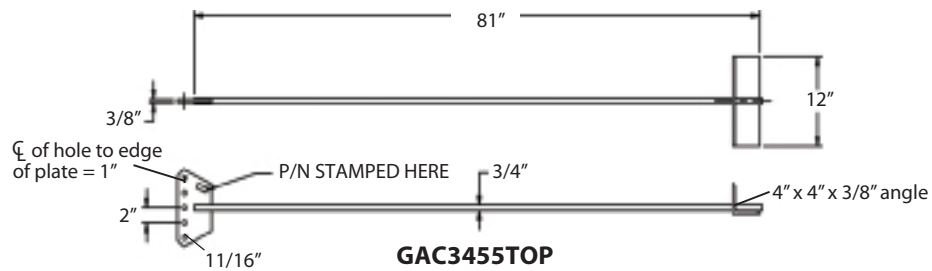
| | | | |
|--|---|---|--|
|  <p>LEG MOUNTED BEACON PLATE KIT APL4A</p> <p>FOR MOUNTING BEACON OR LIGHTNING ROD. BOLTS TO TOP OF STANDARD SECTION. INCLUDES BEACON PLATE, (2) CAP PLATES, NUTS AND BOLTS.</p> | <p>LIGHTNING ROD LRCL 5' COPPER CLAD ORDERED SEPARATELY.</p>  <p>LIGHTNING ROD PLATE KIT VW132</p> <p>INCLUDES: LIGHTNING ROD PLATE, NUTS AND BOLTS.</p> |  <p>TAPERED BASE 45GSRTBPP*</p> <p>FOR USE WITH PIER PIN (3/4X12PP) AND BEARING PLATE (BP6) SOLD SEPARATELY.</p> |  <p>3' SIDE ARM WITH (2) TIE BACKS KY1653A</p> <p>MOUNTING TUBE PROVIDED IS 3' LONG, 2 - 3/8" O.D.</p> |
|  <p>MID BEACON PLATE / ICE SHIELD APL1258UM</p> |  <p>4.3' SHORT BASE 45GSRSB</p> <p>FOR EMBEDMENT IN CONCRETE.</p> | | |

Refer to pages 63-65 for the following accessories that also fit the 45GSR tower:

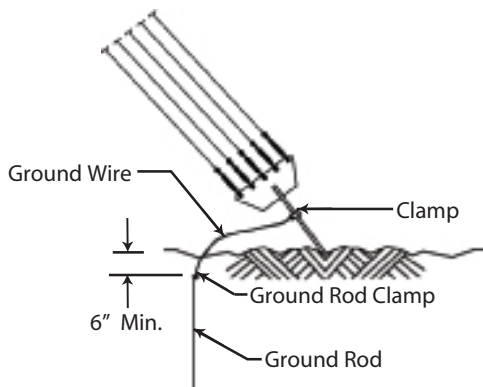
- Pier Pin (3/4x12PP)
- Side Arm Bracket (SA253UA)
- Dish Mount (VY4311A2 & VY4311A)
- Face Mount (DM45G2 & DM454)
- Universal House Bracket (HBUTVRO)
- Torque Bar (TB45D)
- Guy Bracket (GA45GD)
- Anti-Climb Panels (ACL455)
- Work Platform (WP45G)
- Safety Ring (SR245)
- Climbing Harness (TTFBH-4D & TTFBH-C/P)
- Safety Cable Slider (TT-WG-500-W/SMC)
- Safety Cable System (See page 65 for P/N)

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

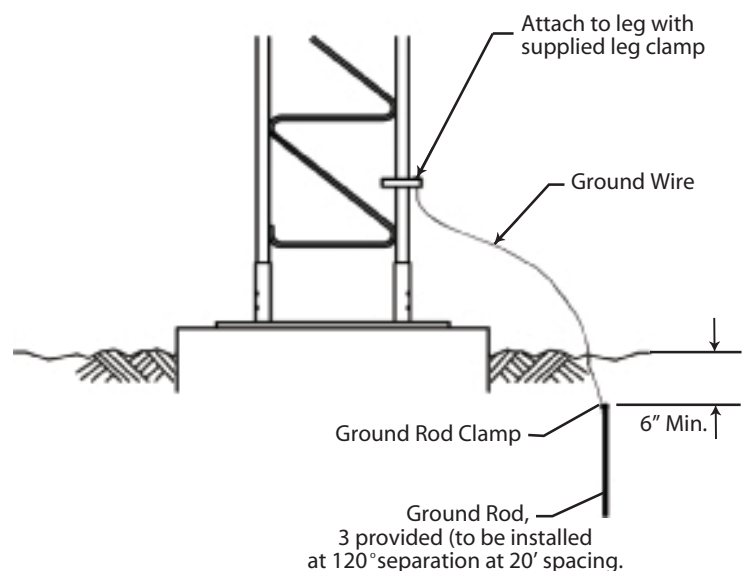
ANCHOR INFORMATION



REV G ANCHOR GROUNDING AGK1GGX

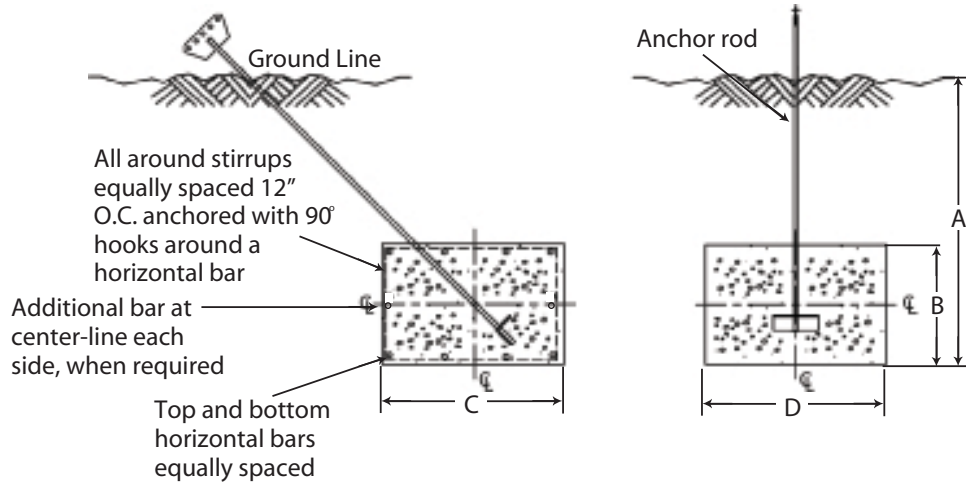


REV G BASE GROUNDING BGK3GGX





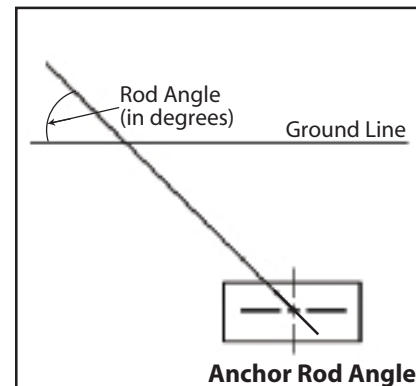
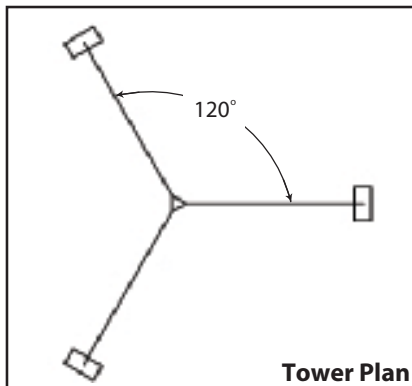
STANDARD ANCHOR BLOCKS



Refer to pages 95-96 for anchor rod installation angles.

| Block | Anchor Dimensions (in.) | | | | Horizontal Bars (Qty. & Size) | Stirrup Size & Spacing | Concrete Vol. (Cu. Yds.) |
|-------|-------------------------|---------|---------|----------|--|---------------------------|-----------------------------------|
| | A | B | C | D | | | |
| 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



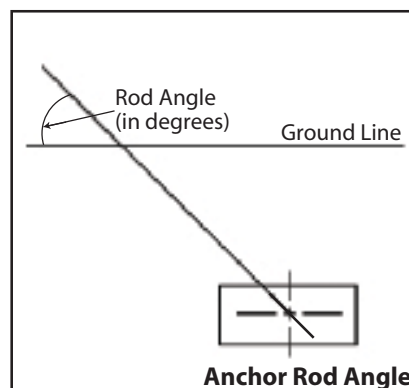
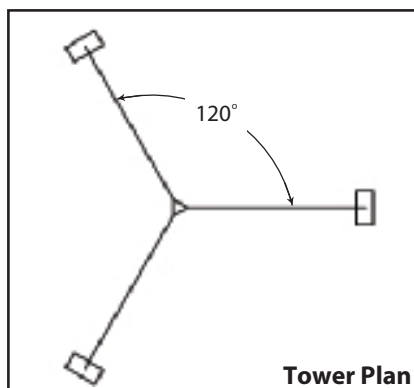
| 45GSR 90MPH | | | | |
|---------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 40' | GAC3455TOP | 48 | - | - |
| 50' | GAC3455TOP | 49 | - | - |
| 60' | GAC3455TOP | 49 | - | - |
| 70' | GAC3455TOP | 44 | - | - |
| 80' | GAC3455TOP | 43 | - | - |
| 90' | GAC3455TOP | 44 | - | - |
| 100' | GAC3455TOP | 44 | - | - |
| 110' | GAC3455TOP | 42 | - | - |
| 120' | GAC3455TOP | 42 | - | - |
| 130' | GAC3455TOP | 42 | - | - |
| 140' | GAC3455TOP | 42 | - | - |
| 150' | GAC3455TOP | 40 | - | - |
| 160' | GAC3455TOP | 40 | - | - |
| 170' | GAC5655TOP | 40 | - | - |
| 180' | GAC5655TOP | 41 | - | - |
| 190' | GAC5655TOP | 40 | - | - |
| 200' | GAC5655TOP | 40 | - | - |
| 220' | GAC5655TOP | 40 | - | - |
| 240' | GAC3455TOP | 38 | GAC3455TOP | 46 |
| 260' | GAC3455TOP | 40 | GAC3455TOP | 46 |
| 280' | GAC3455TOP | 38 | GAC5655TOP | 44 |
| 300' | GAC3455TOP | 40 | GAC5655TOP | 44 |
| 320' | GAC3455TOP | 37 | GAC5655TOP | 45 |
| 340' | GAC3455TOP | 38 | GAC5655TOP | 45 |

| 45GSR 110MPH | | | | |
|----------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 40' | GAC3455TOP | 48 | - | - |
| 50' | GAC3455TOP | 49 | - | - |
| 60' | GAC3455TOP | 49 | - | - |
| 70' | GAC3455TOP | 43 | - | - |
| 80' | GAC3455TOP | 42 | - | - |
| 90' | GAC3455TOP | 43 | - | - |
| 100' | GAC3455TOP | 44 | - | - |
| 110' | GAC3455TOP | 41 | - | - |
| 120' | GAC3455TOP | 41 | - | - |
| 130' | GAC3455TOP | 41 | - | - |
| 140' | GAC3455TOP | 42 | - | - |
| 150' | GAC5655TOP | 40 | - | - |
| 160' | GAC5655TOP | 40 | - | - |
| 170' | GAC5655TOP | 40 | - | - |
| 180' | GAC5655TOP | 40 | - | - |
| 190' | GAC5655TOP | 40 | - | - |
| 200' | GAC5655TOP | 40 | - | - |
| 220' | GAC5655TOP | 40 | - | - |
| 240' | GAC3455TOP | 39 | GAC5655TOP | 45 |
| 260' | GAC3455TOP | 40 | GAC5655TOP | 45 |
| 280' | GAC3455TOP | 39 | GAC5655TOP | 43 |
| 300' | GAC3455TOP | 40 | GAC5655TOP | 44 |
| 320' | GAC5655TOP | 40 | GAC5655TOP | 44 |
| 340' | GAC5655TOP | 40 | GAC5655TOP | 44 |

See the following page for 45GSR | 130mph anchor rod slopes.

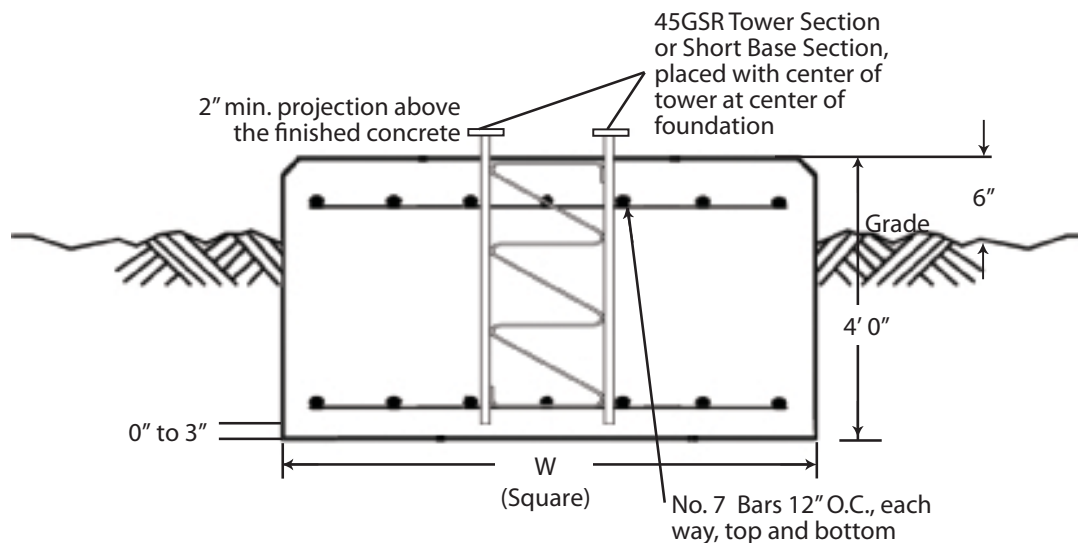


ANCHOR ROD INSTALLATION ANGLES



| 45GSR 130MPH | | | | |
|----------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 40' | GAC3455TOP | 48 | - | - |
| 50' | GAC3455TOP | 48 | - | - |
| 60' | GAC3455TOP | 45 | - | - |
| 70' | GAC3455TOP | 42 | - | - |
| 80' | GAC3455TOP | 42 | - | - |
| 90' | GAC3455TOP | 43 | - | - |
| 100' | GAC3455TOP | 43 | - | - |
| 110' | GAC5655TOP | 40 | - | - |
| 120' | GAC5655TOP | 40 | - | - |
| 130' | GAC5655TOP | 41 | - | - |
| 140' | GAC5655TOP | 41 | - | - |
| 150' | GAC5755TOP | 39 | - | - |
| 160' | GAC5755TOP | 38 | - | - |
| 170' | GAC5755TOP | 39 | - | - |
| 180' | GAC5755TOP | 39 | - | - |
| 190' | GAC5755TOP | 37 | - | - |
| 200' | GAC5755TOP | 38 | - | - |
| 220' | GAC5755TOP | 38 | - | - |
| 240' | GAC5655TOP | 40 | GAC5655TOP | 45 |
| 260' | GAC5655TOP | 41 | GAC5655TOP | 45 |
| 280' | GAC5755TOP | 38 | GAC5755TOP | 42 |
| 300' | GAC5755TOP | 39 | GAC5755TOP | 43 |
| 320' | GAC5755TOP | 37 | GAC5655TOP | 43 |
| 340' | GAC5755TOP | 38 | GAC5655TOP | 43 |

STANDARD MAT FOUNDATION FOR 45GSR TOWERS



| Base | Mat Width (W) | Concrete Vol. (Cu. Yds.) |
|------|---------------|--------------------------|
| FB1G | 4' - 6" | 3.0 |
| FB2G | 5' - 3" | 4.1 |
| FB3G | 6' - 3" | 5.8 |

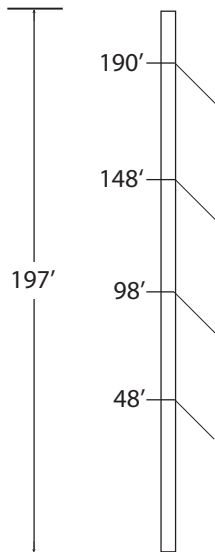


STANDARD METEOROLOGICAL TOWERS

Complete Kit Includes:

- Assembly and foundation drawings
- All necessary tower sections
- Tower short base
- All guy wire and connectors
- All guy anchors
- Base and anchor grounding kits

60 m



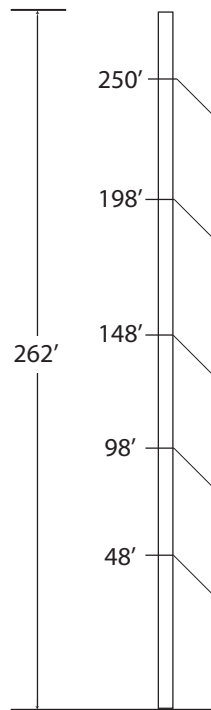
60MMET

4 Guy Elevations
1 Fixed Base Foundation
1 Anchor Radius

| Boom Height | EPA / WT. (no ice) | EPA / WT. (3/4" radial ice) |
|-------------|-------------------------|--------------------------------|
| 40 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |
| 50 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |
| 60 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |

ANSI/TIA-222-G
110 MPH - 3 Second Gust (No Ice)
50 MPH - 3 Second Gust (3/4" Radial Ice)
Structure Class II
Exposure Category C
Topographic Category I

80 m



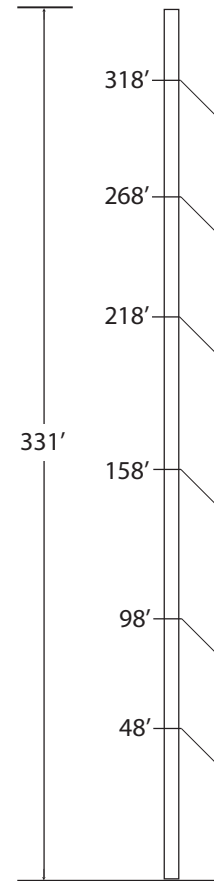
80MMET

5 Guy Elevations
1 Fixed Base Foundation
1 Anchor Radius

| Boom Height | EPA / WT. (no ice) | EPA / WT. (3/4" radial ice) |
|-------------|-------------------------|--------------------------------|
| 60 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |
| 70 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |
| 80 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |

ANSI/TIA-222-G
110 MPH - 3 Second Gust (No Ice)
50 MPH - 3 Second Gust (3/4" Radial Ice)
Structure Class II
Exposure Category C
Topographic Category I

100 m



100MMET

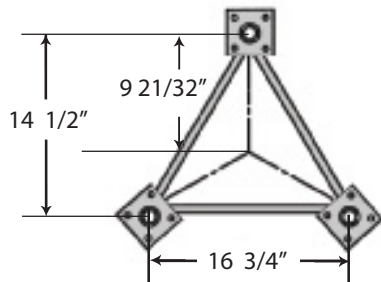
6 Guy Elevations
1 Fixed Base Foundation
2 Anchor Radii

| Boom Height | EPA / WT. (no ice) | EPA / WT. (3/4" radial ice) |
|-------------|-------------------------|--------------------------------|
| 50 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |
| 75 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |
| 100 m | 9.00 sq. ft. / 200 lbs. | 25.00 sq. ft. / 600 lbs. |

ANSI/TIA-222-G
110 MPH - 3 Second Gust (No Ice)
50 MPH - 3 Second Gust (3/4" Radial Ice)
Structure Class II
Exposure Category C
Topographic Category I

Tower design assumes (1) elevator track over height of structure.

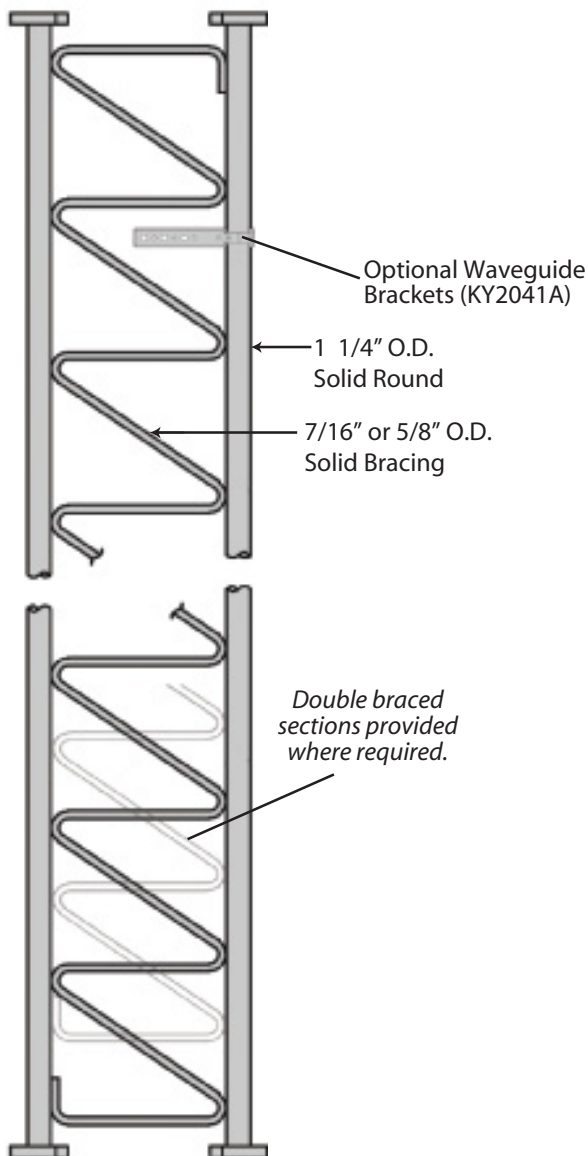
STANDARD 45GSR METEOROLOGICAL TOWER



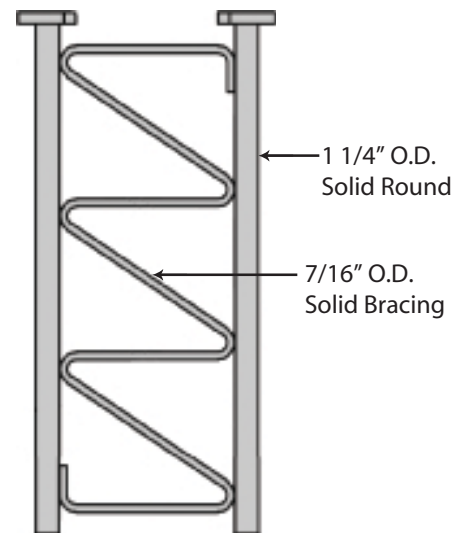
| Tower Height (m) | Guy Radius (ft.) 120° separation | Base Foundation No. | Anchor Foundation No. |
|------------------|----------------------------------|---------------------|-----------------------|
| 60 | 156 | FB2G | AB4 |
| 80 | 210 | FB3G | AB5 |
| 100 | 106 / 264 | FB3G | AB2 / AB6 |

Refer to page 288 for anchor rod details.

FOR FOUNDATION INFORMATION, PLEASE SEE PAGES 94 & 97. FOR GENERAL INSTALLATION INFORMATION, PLEASE SEE PAGES 147-153.



STANDARD SECTION
45GSR10 - 10' Section
45GSR20 - 20' Section



4.3' 45GSR SHORT BASE
45GSRSB

TO BE EMBEDDED IN CONCRETE.



STANDARD 55G GUYED TOWER

ROHN 55G
The first. The original.



55G



GENERAL USE

The 55G lends itself to a wide variety of uses, particularly where unusual wind loading and height requirements exist. The 55G was designed to provide excellent strength in heights up to 400'.

FEATURES

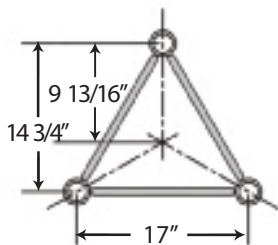
- Completely hot-dip galvanized after fabrication
- Built on a 17" equilateral triangle design
- High strength tubular legs joined by Zig-Zag® cross members
- Each section contains all required nuts and bolts shipped with section
- Continuous solid round steel bracing

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.

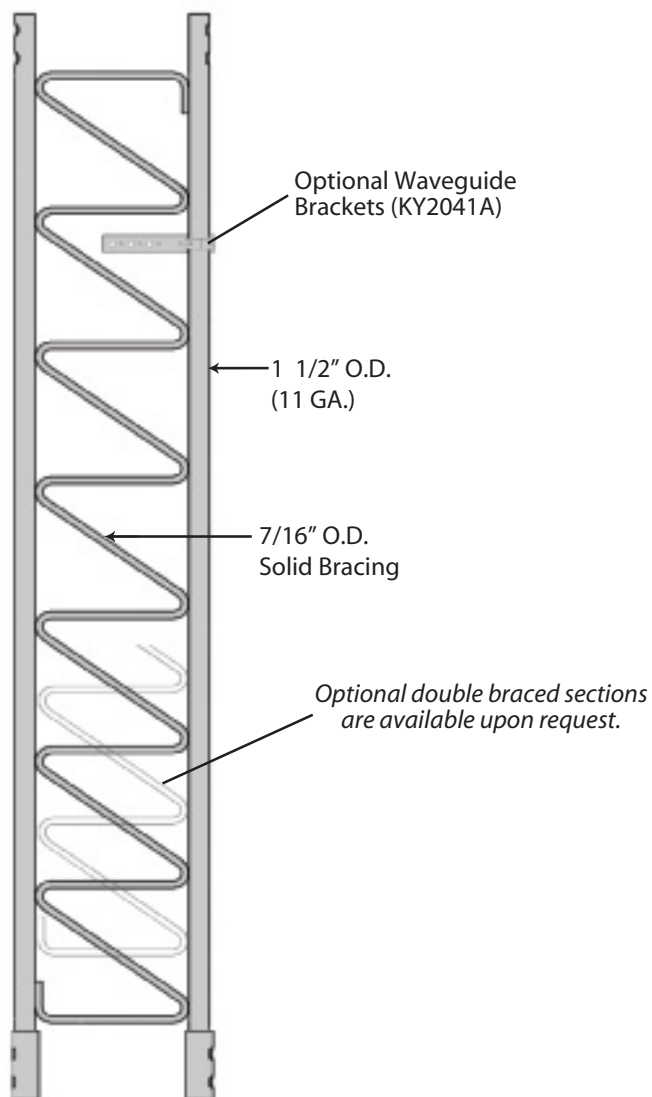
Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please see page 116 for ordering information.

STANDARD 55G GUYED TOWER SECTIONS

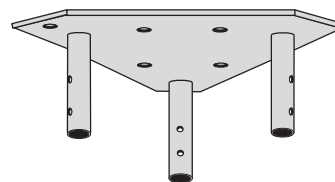


QUICK REFERENCE

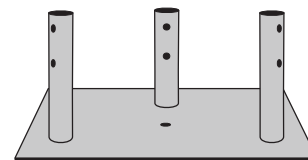
| | |
|------------------------|---------------|
| PARTS & ACCESSORIES | PAGES 115-116 |
| GROUNDING INFORMATION | PAGE 117 |
| FOUNDATION INFORMATION | PAGES 117-120 |



STANDARD SECTION
55G - 10' Section



TOP PLATE
APL55G
FOR MOUNTING BEACON OR LIGHTNING ROD.
TOP PLATE BOLTS TO THE TOP OF
A STANDARD SECTION.



CONCRETE BASE PLATE
BPC55G*
FOR USE WITH 3/4X12PP PIER PIN
EMBEDDED IN CONCRETE.

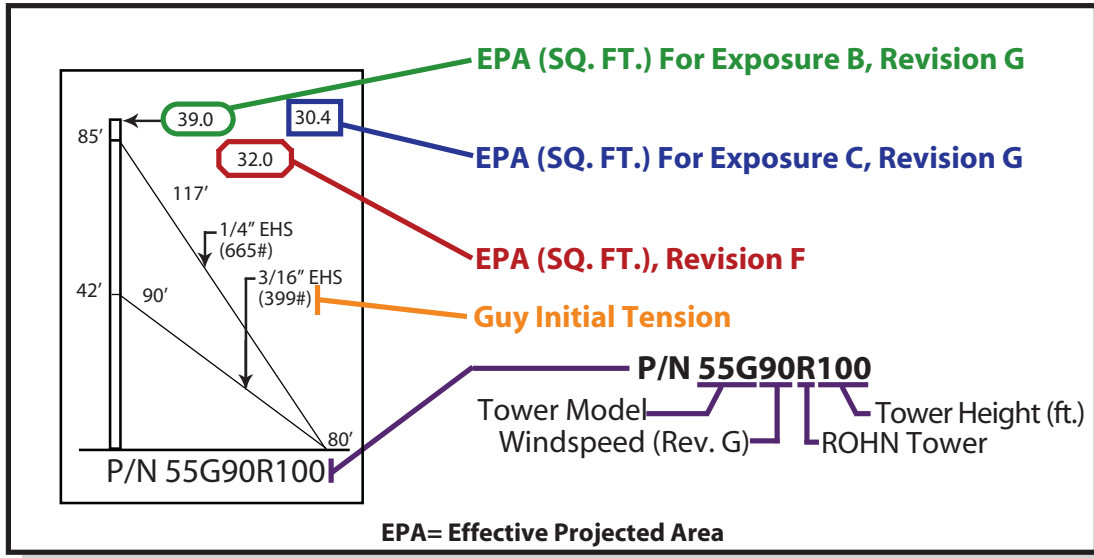
Additional base sections are
available, please see page 115.

* 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 - 55G 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 55G 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:

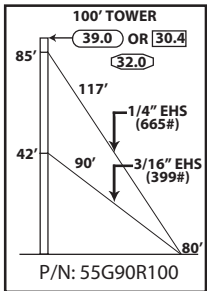
1. Items listed are required for complete guyed towers.
2. Base and anchor foundations listed refer to standard foundation designations.
3. Guys provided with each standard tower are based on level ground conditions with an additional 6% length.
4. Rev G anchor grounding (AGK1GGX) and base grounding (BGK2GGX) 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 117-120.

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

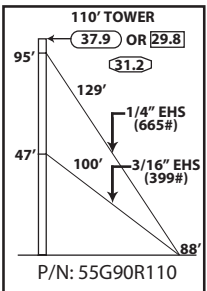
STANDARD DESIGN - 55G

90 MPH REV. G, 70MPH REV. F



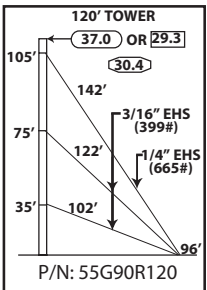
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 10 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 300' | 375' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

100' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R100



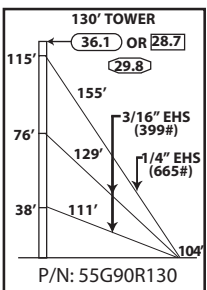
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 11 | 1 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 325' | 425' | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

110' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R110



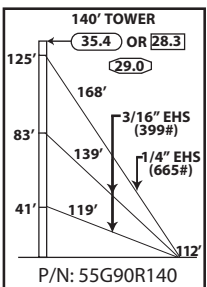
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 12 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 725' | 475' | 12 | 6 | 12 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

120' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R120



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 13 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 775' | 500' | 12 | 6 | 12 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

130' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R130

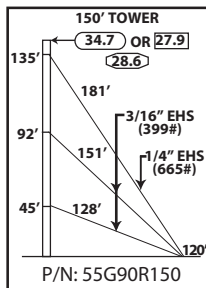


| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 14 | 1 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 825' | 550' | 12 | 6 | 12 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

140' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R140



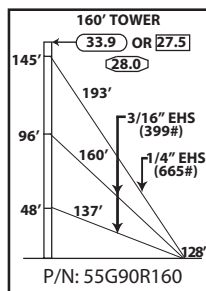
STANDARD DESIGN - 55G 90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 55G | | BPC55G | | APL55G | | GA55GD | | FDNS | | 15' All tab w Part | | | |
|------------------------------|------------|--|---------|--|---------|--|-----------|--|----------|--------|--------------------|--|----------|--|
| | | | | | | | | | BASE | ANCHOR | | | | |
| | 15 | | 1 | | 1 | | 3 | | CB2G | AB2 | | | | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | | 1/4EHS | | BG2142 | | BG2144 | | 5/16THH | | 3/8THH | | 1/2TBE&J | |
| | 900' | | 600' | | 12 | | 6 | | 12 | | 6 | | 9 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK2GGX | | CPC.5/.75 | | TBSAFETY | | 3/4x12PP | | | |
| | 3 | | 1 | | 3 | | 3 | | 3 | | 1 | | | |

150' ROHN 55G

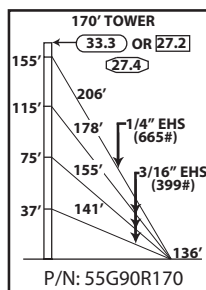
All parts shown in table are included when ordering
Part No: 55G90R150



| TOWER PARTS INCLUDED | 55G | | BPC55G | | APL55G | | GA55GD | | FDNS | | 16 All tall Pars |
|------------------------------|------------|--------|---------|---------|-----------|--------|----------|--|----------|--------|---------------------------|
| | | | | | | | | | BASE | ANCHOR | |
| | 16 | | 1 | | 1 | | 3 | | CB2G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J | | | | |
| | 950' | 625' | 12 | 6 | 12 | 6 | 9 | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | BGK2GGX | CPC.5/.75 | | TBSAFETY | | 3/4x12PP | | |
| | 3 | | 1 | 3 | 3 | | 3 | | 1 | | |

160' ROHN 55G

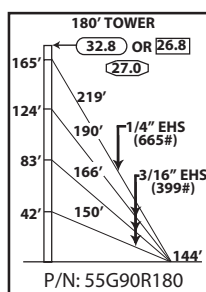
All parts shown in table are included when ordering
Part No: 55G90R160



| TOWER PARTS INCLUDED | 55G | | BPC55G | | APL55G | | GA55GD | | FDNS | | 170 All parts table wh Part |
|------------------------------|------------|--------|---------|--------|---------|--------|-----------|--|----------|--------|---|
| | | | | | | | | | BASE | ANCHOR | |
| | 17 | | 1 | | 1 | | 4 | | CB2G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J | | | | |
| | 1525' | 675' | 18 | 6 | 18 | 6 | 12 | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK2GGX | | CPC.5/.75 | | TBSAFETY | | 3/4x12PP |
| | 3 | | 1 | | 3 | | 3 | | 3 | | 1 |

170' ROHN 55G

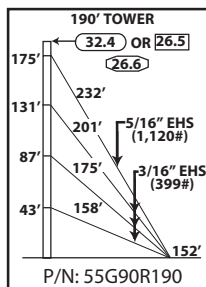
All parts shown in table are included when ordering
Part No: 55G90R170



| TOWER PARTS INCLUDED | 55G | | BPC55G | | APL55G | | GA55GD | | FDNS | | 180 All p table wh Part |
|------------------------------|------------|--------|---------|--------|---------|--------|-----------|--|----------|--------|-------------------------------------|
| | | | | | | | | | BASE | ANCHOR | |
| | 18 | | 1 | | 1 | | 4 | | CB2G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J | | | | |
| | 1625' | 700' | 18 | 6 | 18 | 6 | 12 | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK2GGX | | CPC.5/.75 | | TBSAFETY | | 3/4x12PP |
| | 3 | | 1 | | 3 | | 3 | | 3 | | 1 |

180' ROHN 55G

All parts shown in table are included when ordering
Part No: 55G90R180



| TOWER PARTS INCLUDED | 55G | | BPC55G | | APL55G | | GA55GD | | FDNS | | 190 All p table wh Part |
|------------------------------|-----------|--------|---------|--------|---------|---------|-----------|--|----------|--------|-------------------------------------|
| | | | | | | | | | BASE | ANCHOR | |
| | 19 | | 1 | | 1 | | 4 | | CB2G | AB3 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J | | | | |
| | 1700' | 750' | 18 | 6 | 18 | 6 | 12 | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | | AGK1GGX | | BGK2GGX | | CPC1/1.25 | | TBSAFETY | | 3/4x12PP |
| | 3 | | 1 | | 3 | | 3 | | 3 | | 1 |

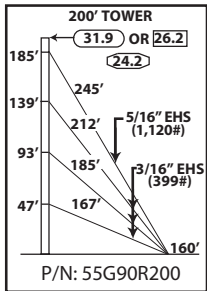
190' ROHN 55G

All parts shown in table are included when ordering
Part No: 55G90R190



STANDARD DESIGN - 55G

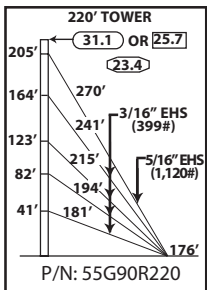
90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 20 | 1 | 1 | 4 | CB2G | AB3 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J |
| | 1800' | 800' | 18 | 6 | 18 | 6 | 12 |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

200' ROHN 55G

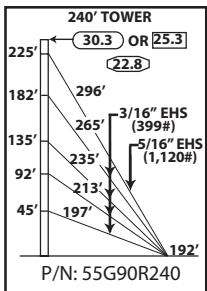
All parts shown in table are included when ordering
Part No: 55G90R200



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | | |
|------------------------------|------------|---------|---------|----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 22 | 1 | 1 | 5 | CB2G | AB3 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH | 3/4TBE&J |
| | 2650' | 875' | 24 | 6 | 24 | 6 | 15 |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | TBSAFETY | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

220' ROHN 55G

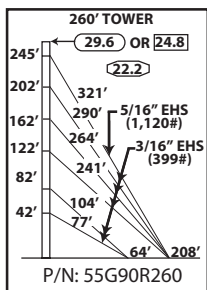
All parts shown in table are included when ordering
Part No: 55G90R220



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | | |
|------------------------------|------------|---------|---------|----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 24 | 1 | 1 | 5 | CB3G | AB3 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH | 3/4TBE&J |
| | 2900' | 950' | 24 | 6 | 24 | 6 | 15 |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | TBSAFETY | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

240' ROHN 55G

All parts shown in table are included when ordering
Part No: 55G90R240



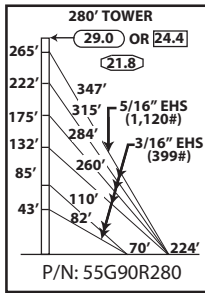
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|-------------------------|
| | 26 | 1 | 1 | 6 | CB3G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | | 26 All tab v Part |
| | 3125' | 1025' | 30 | 6 | 30 | | |
| | 7/16THH | 1/2TBE&J | 5/8TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 6 | 12 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | TBSAFETY | | 3/4x12PP |
| | 3 | 3 | 2 | 3 | 6 | | 1 |

260' ROHN 55G

All parts shown in table are included when ordering
Part No: 55G90R260

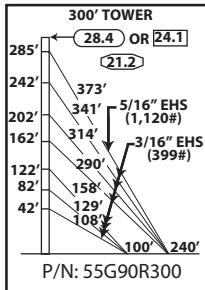


STANDARD DESIGN - 55G 90MPH REV. G, 70MPH REV. F



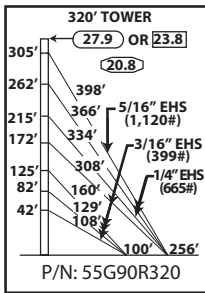
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 28 | 1 | 1 | 6 | CB4G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | | |
| | 3350 | 1125' | 30 | 6 | 30 | | |
| | 7/16THH | 1/2TBE&J | 5/8TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 6 | 12 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | TBSAFETY | 3/4x12PP | |
| | 3 | 3 | 2 | 3 | 6 | 1 | |

280' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R280



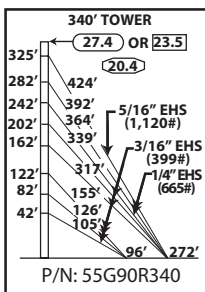
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|-----------|-----------|--------------|--------------|
| | 30 | 1 | 1 | 7 | CB4G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | | |
| | 4275' | 1200' | 36 | 6 | 36 | | |
| | 7/16THH | 1/2TBE&J | 5/8TBE&J | CPC.5/.75 | CPC1/1.25 | | |
| | 6 | 9 | 12 | 3 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | TBSAFETY | 3/4x12PP | |
| | 3 | 3 | 2 | 3 | 6 | 1 | |

300' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R300



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|--------------|--------------|
| | 32 | 1 | 1 | 7 | CB4G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | |
| | 2250' | 2250' | 1275' | 24 | 12 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| | 24 | 12 | 6 | 9 | 12 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 |

320' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R320



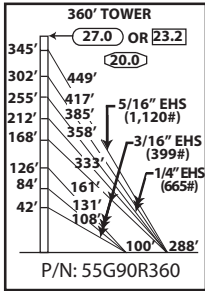
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|--------------|--------------|
| | 34 | 1 | 1 | 8 | CB4G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | |
| | 3325' | 2425' | 1350' | 30 | 12 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| | 30 | 12 | 6 | 9 | 15 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 |

340' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R340



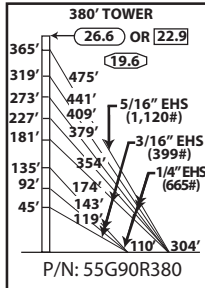
STANDARD DESIGN - 55G

90MPH REV.G, 70MPH REV. F



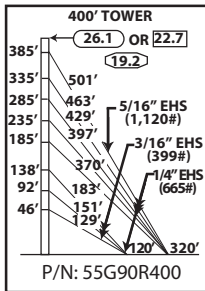
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | APL1258UM | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|-----------|--------------|--------------|
| | 36 | 1 | 1 | 8 | 2 | CB5G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | | |
| | 3475' | 2575' | 1450' | 30 | 12 | 6 | | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | | |
| | 30 | 12 | 6 | 9 | 15 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | | |
| | 3 | 3 | 2 | 3 | 3 | 3 | | |

360' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R360



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | APL1258UM | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|-----------|--------------|--------------|
| | 38 | 1 | 1 | 8 | 2 | CB5G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | | |
| | 3175' | 3275' | 1525' | 24 | 18 | 6 | | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | | |
| | 24 | 18 | 6 | 9 | 15 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP | |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 | |

380' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R380

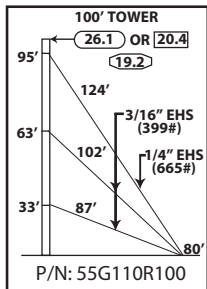


| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | APL1258UM | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|-----------|--------------|--------------|
| | 40 | 1 | 1 | 8 | 2 | CB5G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | | |
| | 2075' | 4700' | 1600' | 18 | 24 | 6 | | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | | |
| | 18 | 24 | 6 | 9 | 15 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP | |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 | |

400' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R400

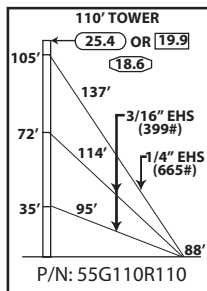


STANDARD DESIGN - 55G 110MPH REV.G, 90MPH REV. F



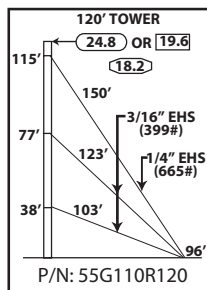
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|--------|----------|
| | | | | | BASE | ANCHOR | |
| | 10 | 1 | 1 | 3 | CB1G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 600' | 400' | 12 | 6 | 12 | 6 | 9 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | | 1 |

100' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R100



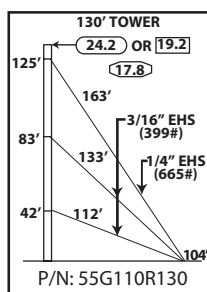
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 11 | 1 | 1 | 3 | CB1G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 675' | 450' | 12 | 6 | 12 | 6 | 9 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

110' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R110



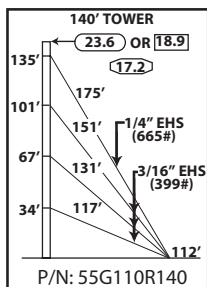
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 12 | 1 | 1 | 3 | CB2G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 725' | 500' | 12 | 6 | 12 | 6 | 9 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

120' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R120



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 13 | 1 | 1 | 3 | CB2G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 800' | 525' | 12 | 6 | 12 | 6 | 9 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

130' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R130

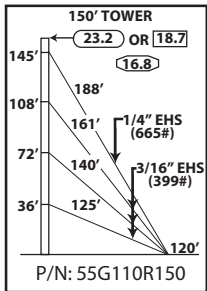


| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | | |
|------------------------------|------------|---------|---------|-----------|----------|----------|----------|
| | | | | | BASE | ANCHOR | |
| | 14 | 1 | 1 | 4 | CB2G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH | 1/2TBE&J |
| | 1275' | 575' | 18 | 6 | 18 | 6 | 12 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

140' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R140

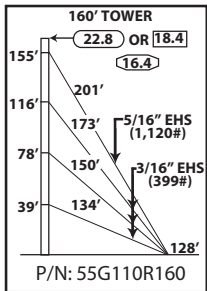
STANDARD DESIGN - 55G

110MPH REV.G, 90MPH REV. F



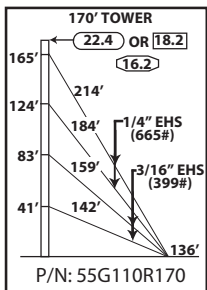
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|
| | 15 | 1 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 1375' | 600' | 18 | 6 | 18 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

150' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R150



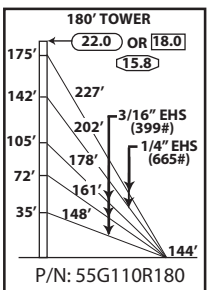
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|
| | 16 | 1 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 142265 | BG2142 | BG2146 | 5/16THH | 7/16THH |
| | 1475' | 650' | 18 | 6 | 18 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

160' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R160



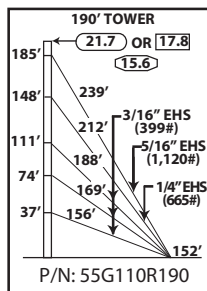
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|
| | 17 | 1 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 975' | 1275' | 12 | 12 | 12 | 12 |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

170' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R170



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|
| | 18 | 1 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | BG2142 | BG2144 | 5/16THH | 3/8THH |
| | 1550' | 1375' | 18 | 12 | 18 | 12 |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

180' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R180

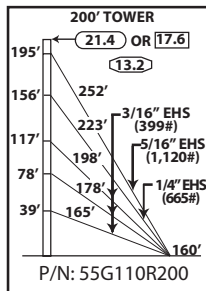


| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|
| | 19 | 1 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 1650' | 675' | 775' | 18 | 6 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | |
| | 6 | 18 | 6 | 6 | 15 | |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

190' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R190



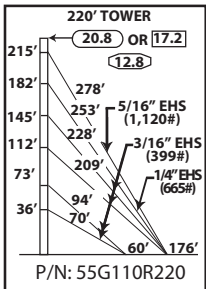
STANDARD DESIGN - 55G 110MPH REV.G, 90MPH REV. F



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | 20 | 1 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 1750' | 725' | 825' | 18 | 6 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | |
| | 6 | 18 | 6 | 6 | 15 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

200' ROHN 55G

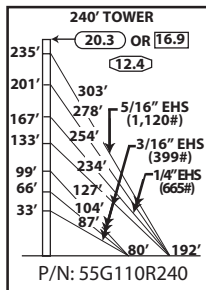
All parts shown in table are included when ordering
Part No: 55G110R200



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|--------------|--------------|
| | 22 | 1 | 1 | 6 | CB4G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | | BG2146 |
| | 1925' | 825' | 900' | 24 | 6 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| | 24 | 6 | 6 | 6 | 12 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 |

220' ROHN 55G

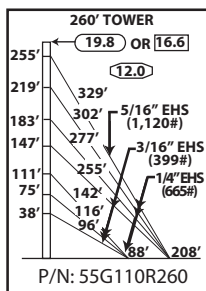
All parts shown in table are included when ordering
Part No: 55G110R220



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|--------------|--------------|
| | 24 | 1 | 1 | 7 | CB4G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | | BG2146 |
| | 1775' | 1700' | 975' | 24 | 12 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| | 24 | 12 | 6 | 9 | 12 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 |

240' ROHN 55G

All parts shown in table are included when ordering
Part No: 55G110R240



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|--------------|--------------|
| | 26 | 1 | 1 | 7 | CB5G | AB2 | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | | BG2146 |
| | 1500' | 2300' | 1050' | 18 | 18 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| | 18 | 18 | 6 | 9 | 12 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 |

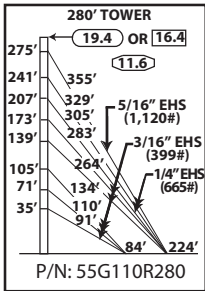
260' ROHN 55G

All parts shown in table are included when ordering
Part No: 55G110R260



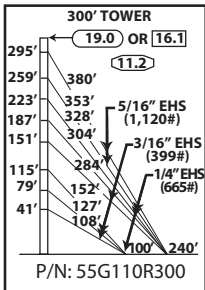
STANDARD DESIGN - 55G

110MPH REV.G, 90MPH REV. F



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|--------------|--------------|
| | 28 | 1 | 1 | 8 | CB5G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | |
| | 2825' | 2025' | 1150' | 30 | 12 | 6 | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| ANCHORS & GROUNDING INCLUDED | 30 | 12 | 6 | 9 | 15 | 6 | |
| | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 |

280' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R280

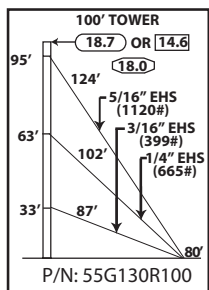


| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|--------------|--------------|
| | 30 | 1 | 1 | 8 | CB5G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | BG2146 | |
| | 1675' | 2500' | 2350' | 18 | 18 | 12 | |
| | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J | TBSAFETY | |
| ANCHORS & GROUNDING INCLUDED | 18 | 18 | 12 | 9 | 15 | 6 | |
| | GAC3455TOP | GAC5655TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | CPC1/1.25 | 3/4x12PP |
| | 3 | 3 | 2 | 3 | 3 | 3 | 1 |

300' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R300

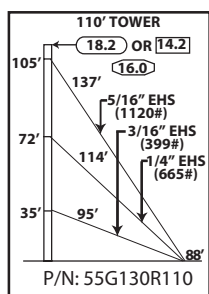


STANDARD DESIGN - 55G 130MPH REV.G, 110MPH REV. F



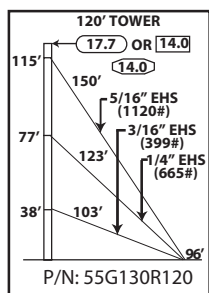
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|----------|----------|----------|
| | | | | | BASE | ANCHOR |
| | 10 | 1 | 1 | 3 | CB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 300' | 325' | 400' | 6 | 6 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 1/2TBE&J | 5/8TBE&J |
| | 6 | 6 | 6 | 6 | 6 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/75 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

100' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R100



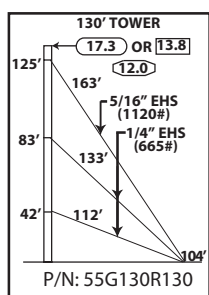
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | | | | | BASE | ANCHOR |
| | 11 | 1 | 1 | 3 | CB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 325' | 375' | 450' | 6 | 6 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | |
| | 6 | 6 | 6 | 6 | 9 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

110' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R110



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|----------|
| | | | | | BASE | ANCHOR |
| | 12 | 1 | 1 | 3 | CB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 350' | 400' | 500' | 6 | 6 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | |
| | 6 | 6 | 6 | 6 | 9 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

120' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R120

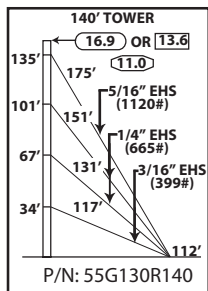


| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|----------|-----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 13 | 1 | 1 | 3 | CB2G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 800' | 525' | 12 | 6 | | |
| | 3/8THH | 7/16THH | 5/8TBE&J | TBSAFETY | | |
| | 12 | 6 | 9 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

130' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R130

STANDARD DESIGN - 55G

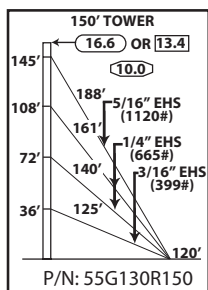
130MPH REV.G, 110MPH REV. F



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|
| | | | | | BASE | ANCHOR |
| | 14 | 1 | 1 | 4 | CB3G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 375' | 900' | 575' | 6 | 12 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | |
| | 6 | 6 | 12 | 6 | 12 | |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

140' ROHN 55G

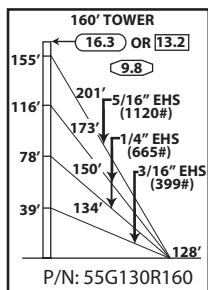
All parts shown in table are included when ordering
Part No: 55G130R140



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|
| | | | | | BASE | ANCHOR |
| | 15 | 1 | 1 | 4 | CB3G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 400' | 975' | 600' | 6 | 12 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | |
| | 6 | 6 | 12 | 6 | 12 | |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

150' ROHN 55G

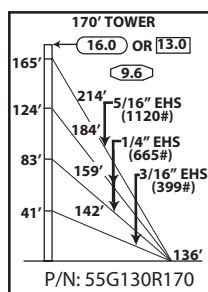
All parts shown in table are included when ordering
Part No: 55G130R150



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|----------|
| | | | | | BASE | ANCHOR |
| | 16 | 1 | 1 | 4 | CB3G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 450' | 1050' | 650' | 6 | 12 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 5/8TBE&J | |
| | 6 | 6 | 12 | 6 | 12 | |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

160' ROHN 55G

All parts shown in table are included when ordering
Part No: 55G130R160



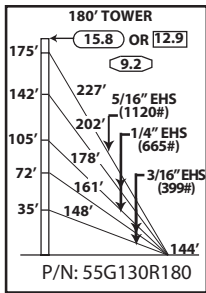
| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|-----------|---------|---------|----------|----------|----------|
| | | | | | BASE | ANCHOR |
| | 17 | 1 | 1 | 4 | CB3G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 475' | 1100' | 700' | 6 | 12 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 3/4TBE&J | |
| | 6 | 6 | 12 | 6 | 12 | |
| ANCHORS & GROUNDING INCLUDED | GAC555TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

170' ROHN 55G

All parts shown in table are included when ordering
Part No: 55G130R170

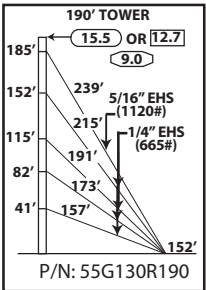


STANDARD DESIGN - 55G 130MPH REV.G, 110MPH REV. F



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|---------|----------|----------|----------|
| | | | | | BASE | ANCHOR |
| | 18 | 1 | 1 | 5 | CB3G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 3/16EHS | 1/4EHS | 142265 | BG2142 | BG2144 | |
| | 1000' | 1225' | 725' | 12 | 12 | |
| | BG2146 | 5/16THH | 3/8THH | 7/16THH | 3/4TBE&J | |
| | 6 | 12 | 12 | 6 | 15 | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | TBSAFETY | 3/4x12PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

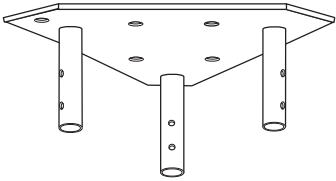
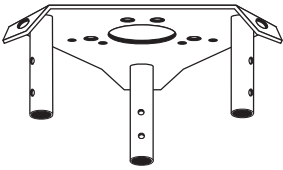
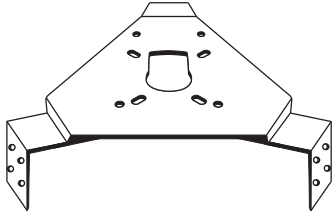
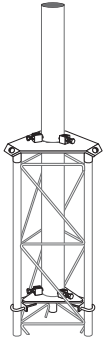

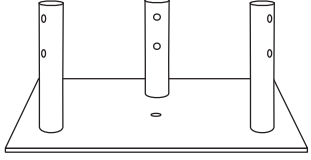


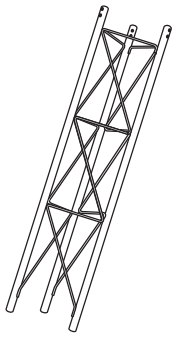
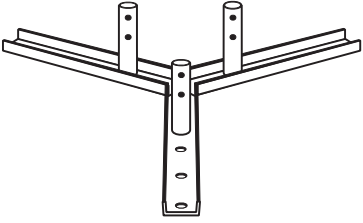
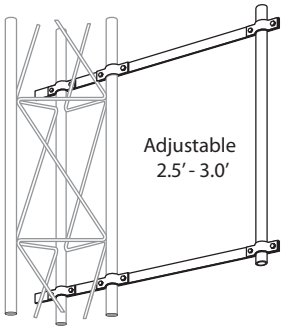
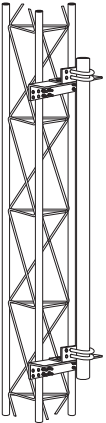
180' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R180



| TOWER PARTS INCLUDED | 55G | BPC55G | APL55G | GA55GD | FDNS | |
|------------------------------|------------|---------|----------|----------|----------|--------|
| | | | | | BASE | ANCHOR |
| | 19 | 1 | 1 | 5 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 1/4EHS | 142265 | BG2144 | BG2146 | | |
| | 2350' | 775' | 24 | 6 | | |
| | 3/8THH | 7/16THH | 3/4TBE&J | TBSAFETY | | |
| | 24 | 6 | 15 | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | 3/4x12PP | |
| | 3 | 1 | 3 | 3 | 1 | |

190' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R190

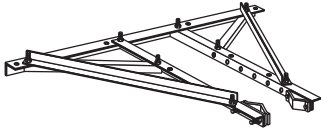
PARTS & ACCESSORIES

| | | | |
|---|--|---|---|
|  <p>TOP PLATE APL55G FOR MOUNTING BEACON OR LIGHTNING ROD.</p> |  <p>BEARING PLATE BPL55G CONVERTS STANDARD SECTION TO A TOP SECTION. HOLE PATTERN FITS TB3 (2" O.D.) AND TB4 (3" O.D.) THRUST BEARING.</p> |  <p>ACCESSORY SHELF AS455G FOR MOUNTING MANY POPULAR ROTORS. FIELD DRILLING MAY BE NECESSARY FOR SOME ROTORS.</p> |  <p>TOP MOUNT 55TDMKD - NO MAST 55TDM2S3KD - 2 3/8" O.D. MAST 55TDM2S53KD - 2 7/8" O.D. MAST 55TDM3S3KD - 3 1/2" O.D. MAST 55TDM3S53KD - 4" O.D. MAST 55TDM4S3KD - 4 1/2" O.D. MAST MOUNTING TUBE PROVIDED IS 7'.</p> |
|  <p>LIGHTNING ROD LRCL 5' COPPER CLAD, MOUNTS TO APL55G.</p> |  <p>CONCRETE BASE PLATE BPC55G* FOR USE WITH 3/4X12PP PIER PIN EMBEDDED IN CONCRETE. CONCRETE BASE PLATE IS TO BE USED FOR BRACKETED AND GUYED APPLICATIONS ONLY.</p> |  <p>PIER PIN 3/4X12PP FOR USE WITH BPC55G EMBEDDED IN CONCRETE. PIER PIN MUST BE ORDERED SEPARATELY, UNLESS BEING PURCHASED AS PART OF A COMPLETE TOWER KIT.</p> |  <p>TAPERED BASE* 55TG - STANDARD 55TGIA - USE WITH A4197L BASE INSULATOR 55TGIAA - USE WITH A4722B BASE INSULATOR INSULATOR AND PIER PIN MUST BE ORDERED SEPARATELY.</p> |
|  <p>5' SHORT BASE SB55G FOR EMBEDMENT IN CONCRETE.</p> |  <p>FLAT ROOF MOUNT FR55G* BOLTS DIRECTLY TO FLAT ROOF SURFACE.</p> |  <p>SIDE ARM BRACKET SA253UA MOUNTING TUBE PROVIDED IS 3' LONG, 2 - 1/4" O.D.</p> |  <p>FACE MOUNT DM55G2 - 2 3/8" O.D. 5' LONG DM554 - 4 1/2" O.D. 5' LONG</p> |

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

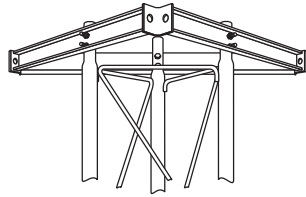


PARTS & ACCESSORIES



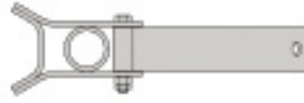
HEAVY DUTY UNIVERSAL HOUSE BRACKET

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



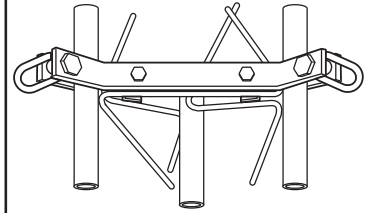
TORQUE ARM STABILIZER ASSEMBLY TA55

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.



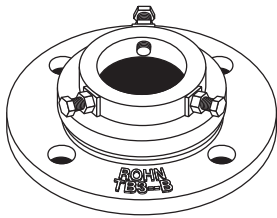
TORQUE BAR

TB55D
OPTIONAL, FOR USE WITH GA55GD.
REQUIRES (1) 3/8" SHACKLE
FOR EACH BAR.



GUY BRACKET GA55GD

MOUNTS TO TOWER AT ANY
HORIZONTAL BRACE.



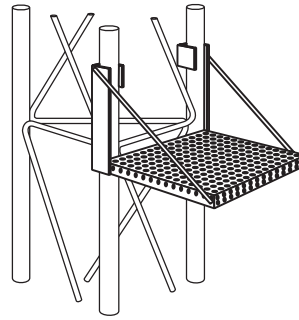
THRUST BEARING

TB3 - SUPPORTS UP TO 2" O.D. MAST.
TB4 - SUPPORTS UP TO 3" O.D. MAST.
MOUNTS TO BPL55G.



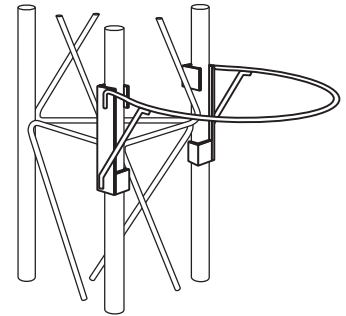
ANTI-CLIMB PANELS ACL455

THREE ANTI-CLIMB PANELS BOLT
TO STANDARD TOWER SECTION.



WORK PLATFORM WP55G

SNAPS INTO PLACE AT ANY LEVEL.
NO BOLTS REQUIRED.



SAFETY RING SR55

SNAPS INTO PLACE AT ANY LEVEL.
NO BOLTS REQUIRED.



CLIMBING HARNESS

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



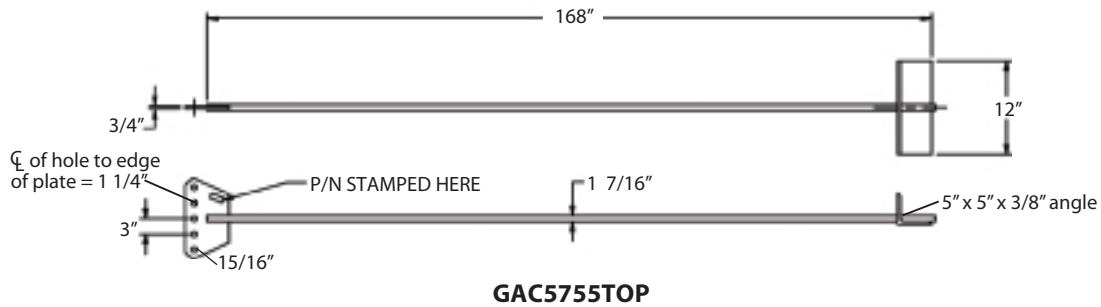
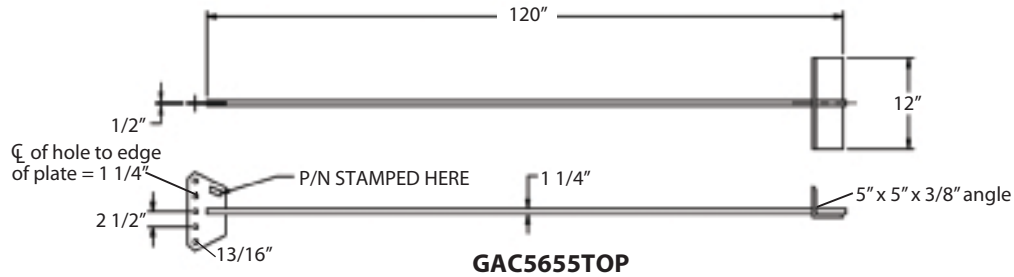
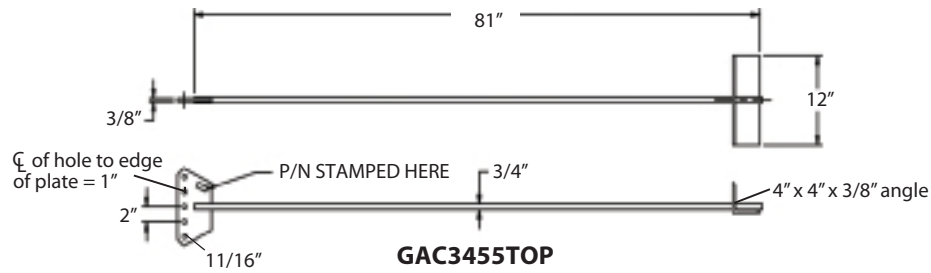
SAFETY CABLE SLIDER WITH CARABINEER TT-WG-500-W/SMC

SAFETY CABLE SYSTEM ORDERING INFORMATION

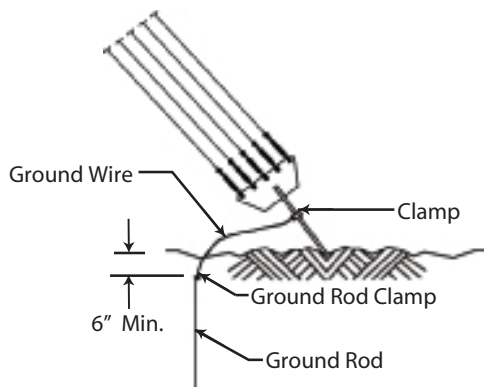
| TOWER HEIGHT | PART NUMBER |
|-----------------|----------------|
| 50' | TT0504555 |
| 100' | TT1004555 |
| 150' | TT1504555 |
| 200' | TT2004555 |
| 250' | TT2504555 |
| 300' | TT3004555 |
| 350' | TT3504555 |
| 400' | TT4004555 |

SAFETY CABLE SLIDER AND CLIMBING
HARNESS MUST BE ORDERED SEPARATELY.

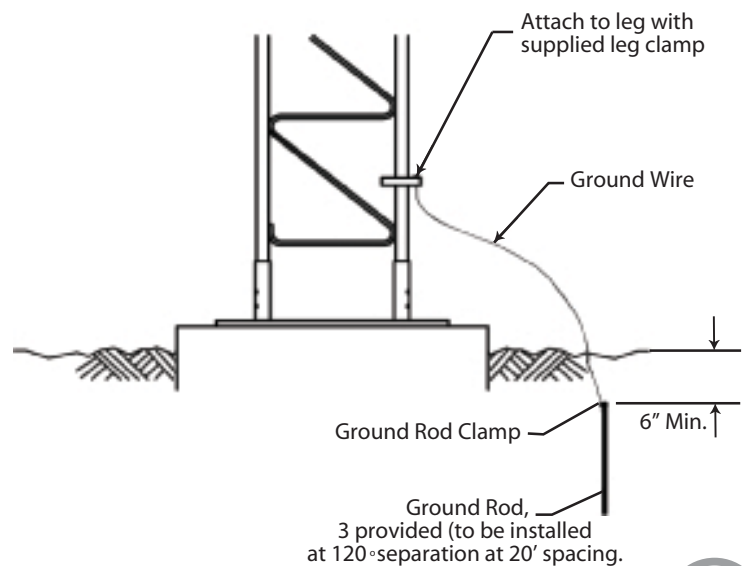
ANCHOR INFORMATION



REV G ANCHOR GROUNDING AGK1GGX

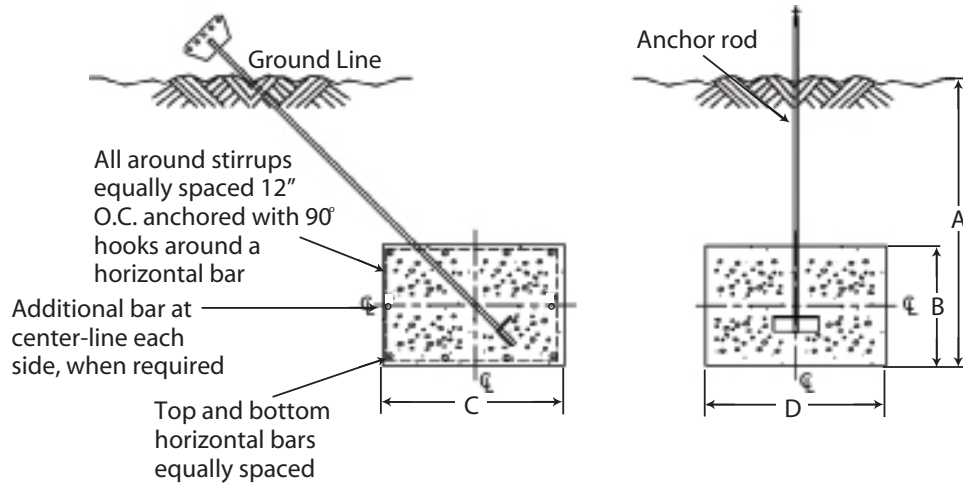


REV G BASE GROUNDING BGK2GGX





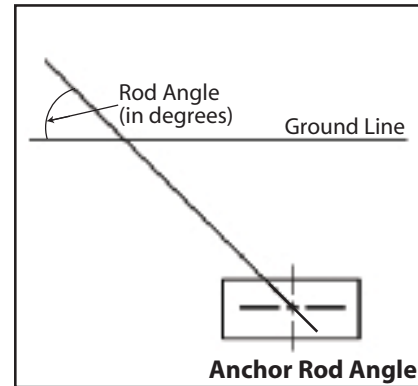
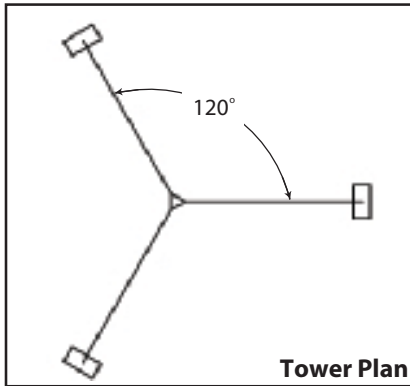
STANDARD ANCHOR BLOCKS



Refer to page 119 for anchor rod installation angles.

| Block | Anchor Dimensions (in.) | | | | Horizontal Bars (Qty. & Size) | Stirrup Size & Spacing | Concrete Vol. (Cu. Yds.) |
|-------|-------------------------|---------|---------|----------|--|------------------------|-----------------------------------|
| | A | B | C | D | | | |
| 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



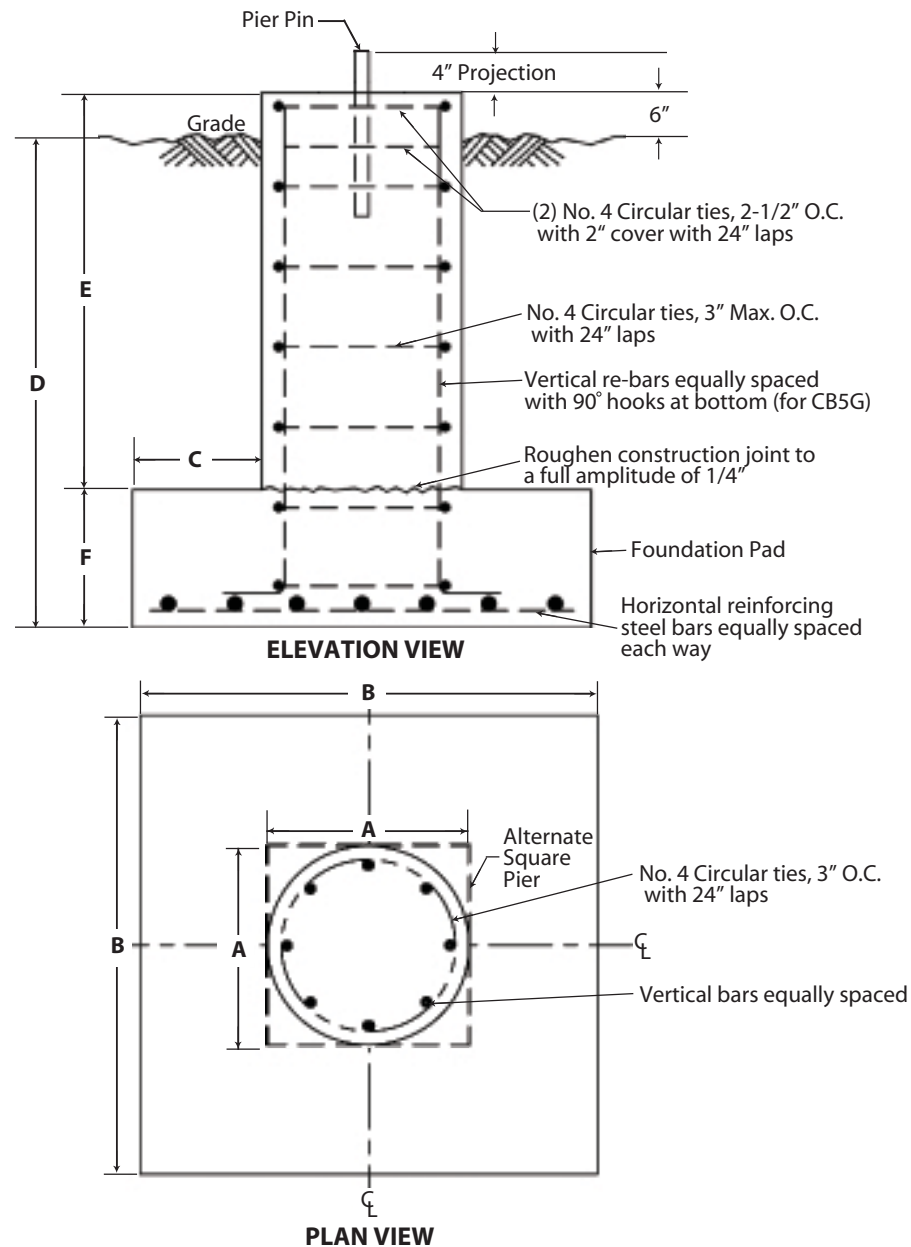
| 55G 90MPH | | | | |
|--------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 100' | GAC3455TOP | 42 | - | - |
| 110' | GAC3455TOP | 42 | - | - |
| 120' | GAC3455TOP | 40 | - | - |
| 130' | GAC3455TOP | 40 | - | - |
| 140' | GAC3455TOP | 40 | - | - |
| 150' | GAC3455TOP | 39 | - | - |
| 160' | GAC3455TOP | 39 | - | - |
| 170' | GAC3455TOP | 38 | - | - |
| 180' | GAC3455TOP | 38 | - | - |
| 190' | GAC5655TOP | 40 | - | - |
| 200' | GAC5655TOP | 40 | - | - |
| 220' | GAC5755TOP | 38 | - | - |
| 240' | GAC5755TOP | 37 | - | - |
| 260' | GAC3455TOP | 43 | GAC5655TOP | 42 |
| 280' | GAC3455TOP | 42 | GAC5655TOP | 42 |
| 300' | GAC3455TOP | 39 | GAC5655TOP | 43 |
| 320' | GAC3455TOP | 40 | GAC5655TOP | 43 |
| 340' | GAC3455TOP | 40 | GAC5655TOP | 42 |
| 360' | GAC3455TOP | 40 | GAC5655TOP | 42 |
| 380' | GAC3455TOP | 40 | GAC5655TOP | 42 |
| 400' | GAC3455TOP | 38 | GAC5655TOP | 42 |

| 55G 110MPH | | | | |
|--------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 100' | GAC3455TOP | 41 | - | - |
| 110' | GAC3455TOP | 40 | - | - |
| 120' | GAC3455TOP | 40 | - | - |
| 130' | GAC3455TOP | 40 | - | - |
| 140' | GAC3455TOP | 38 | - | - |
| 150' | GAC5655TOP | 38 | - | - |
| 160' | GAC5655TOP | 39 | - | - |
| 170' | GAC5655TOP | 38 | - | - |
| 180' | GAC5655TOP | 38 | - | - |
| 190' | GAC5655TOP | 38 | - | - |
| 200' | GAC5655TOP | 38 | - | - |
| 220' | GAC3455TOP | 42 | GAC5655TOP | 43 |
| 240' | GAC3455TOP | 40 | GAC5655TOP | 44 |
| 260' | GAC3455TOP | 41 | GAC5655TOP | 44 |
| 280' | GAC3455TOP | 40 | GAC5655TOP | 43 |
| 300' | GAC3455TOP | 39 | GAC5655TOP | 43 |

| 55G 130MPH | | |
|--------------|------------|-----------|
| Tower Height | Rod Number | Rod Angle |
| 100' | GAC3455TOP | 41 |
| 110' | GAC5655TOP | 40 |
| 120' | GAC5655TOP | 40 |
| 130' | GAC5655TOP | 40 |
| 140' | GAC5655TOP | 40 |
| 150' | GAC5655TOP | 40 |
| 160' | GAC5655TOP | 40 |
| 170' | GAC5755TOP | 38 |
| 180' | GAC5755TOP | 38 |
| 190' | GAC5755TOP | 37 |



STANDARD BASE PIERS



| Base | A | B | C | D | E | F | Concrete Vol. (Cu. Yds.) Round Pier | Vertical Bars (No. & Size) | Horiz. Bars in Pad (No. & Size) |
|-------|---------|---------|---------|---------|---------|---------|---|-------------------------------|---------------------------------------|
| CB1G* | 2' - 6" | 2' - 6" | N/A | 4' - 0" | N/A | N/A | 1.0 | (8) #7 | NONE |
| CB2G | 3' - 0" | 3' - 0" | N/A | 4' - 0" | N/A | N/A | 1.2 | (10) #7 | NONE |
| CB3G | 3' - 6" | 3' - 6" | N/A | 4' - 0" | N/A | N/A | 1.6 | (12) #7 | NONE |
| CB4G | 4' - 0" | 4' - 0" | N/A | 4' - 0" | N/A | N/A | 2.1 | (12) #8 | NONE |
| CB5G | 2' - 0" | 4' - 0" | 1' - 0" | 4' - 0" | 3' - 3" | 1' - 3" | 1.1 | (8) #6 | (5) #5 (Total of 10) |

* Square pier option must be used for CB1G.

NOTES





STANDARD 65G GUYED TOWER

ROHN 65G
The first. The original.



65G

GENERAL USE

The 65G is designed to provide excellent rigidity and strength in applications up to 500'. This high strength design covers a wide variety of communication uses. The 65G is completely pre-fabricated in welded sections, allowing for quick and convenient installation.

FEATURES

- Completely hot-dip galvanized after fabrication
- Built on a 24 1/4" 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

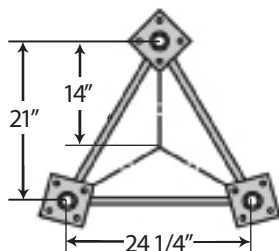
CAUTION

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 142 for ordering information.

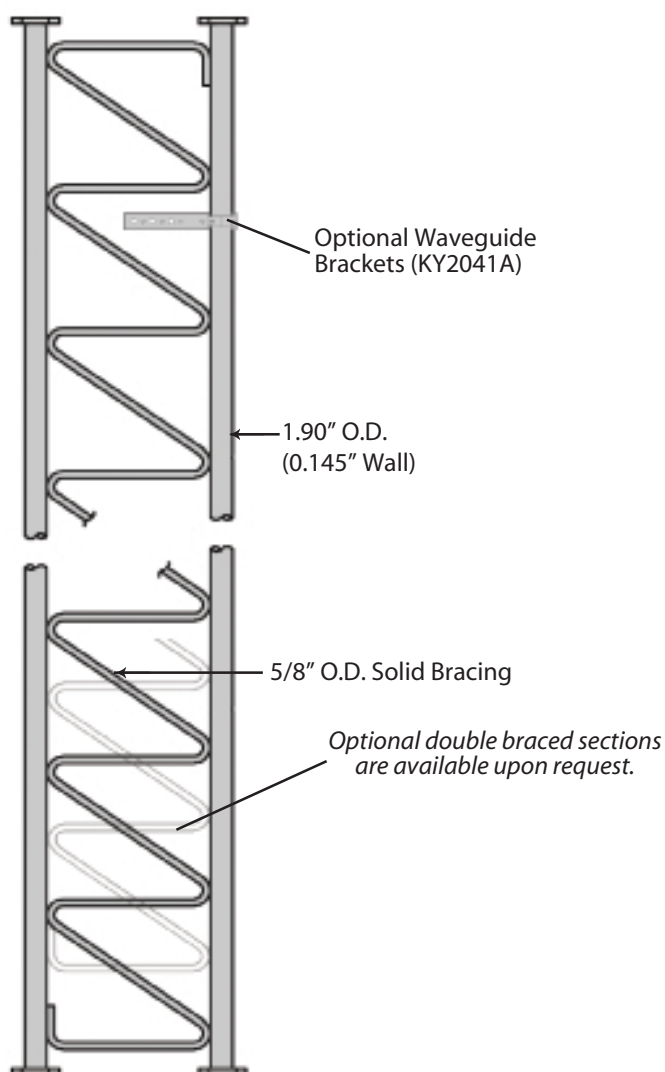


STANDARD 65G GUYED TOWER SECTIONS

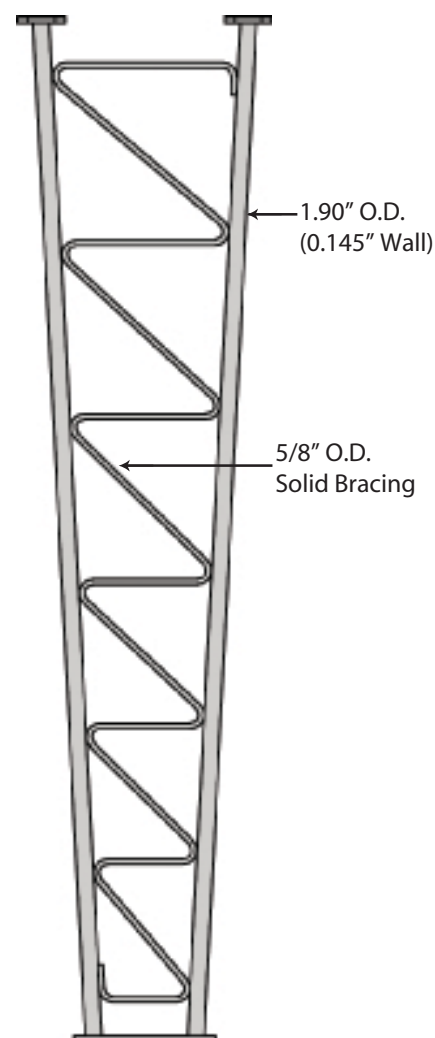


QUICK REFERENCE

| | |
|------------------------|---------------|
| PARTS & ACCESSORIES | PAGES 141-142 |
| GROUNDING INFORMATION | PAGE 143 |
| FOUNDATION INFORMATION | PAGES 143-146 |



STANDARD SECTION
65G - 10' Section
6520G - 20' Section

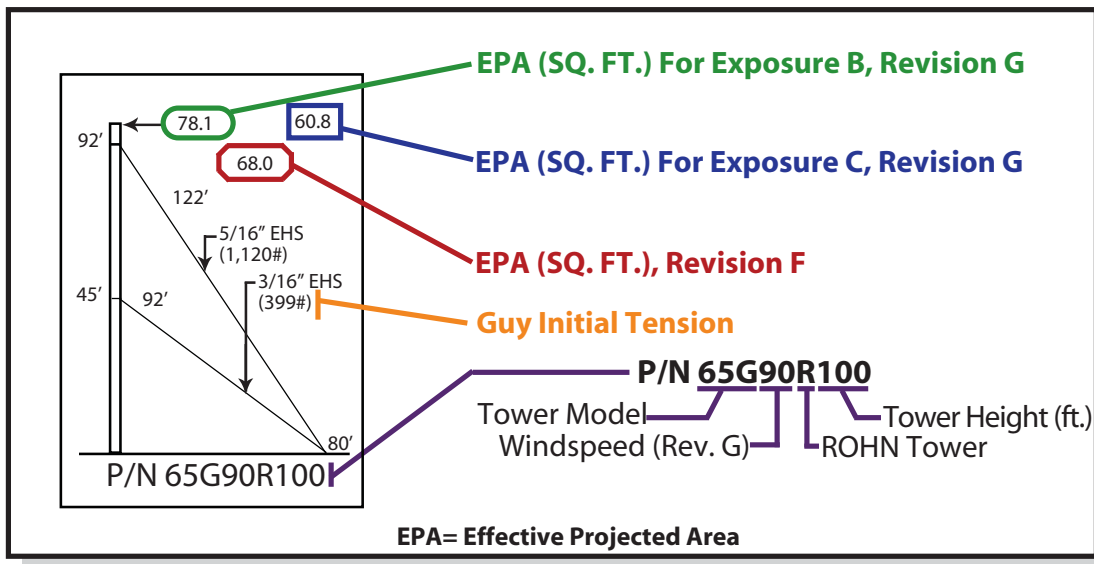


TAPERED BASE
65TGH - 10' Section



BUYERS GUIDE STANDARD DESIGNS - 65G 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 65G 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 7/8" 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:

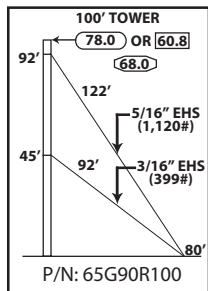
1. Items listed are required for complete guyed towers.
2. Base and anchor foundations listed refer to standard foundation designations.
3. Guys provided with each standard tower are based on level ground conditions with an additional 6% length.
4. Rev G anchor grounding (AGK1GGX) and base grounding (BGK2GGX) 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 143-146.

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

STANDARD DESIGN - 65G

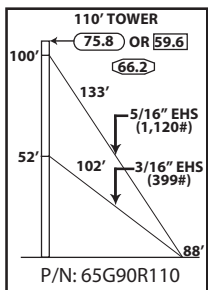
90 MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | GA65GD | APL4HA | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|----------|
| | 1 | 1 | 4 | 2 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 3/16EHS | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J |
| | 400' | 300' | 6 | 6 | 6 | 6 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

100' ROHN 65G

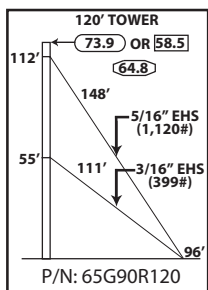
All parts shown in table are included when ordering
Part No: 65G90R100



| TOWER PARTS INCLUDED | 65TGH | | 6520G | | APL4HA | | GA65GD | | FDNS | |
|------------------------------|------------|--|---------|---------|--------|-----------|---------|----------|------|------------|
| | 1 | | 5 | | 1 | | 2 | | BASE | ANCHOR |
| | | | | | | | | | CB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 142265 | | 3/16EHS | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J | | 1/2TBE&J |
| | 425' | | 325' | 6 | 6 | 6 | 6 | 3 | | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | BGK2GGX | | CPC.5/.75 | | TBSAFETY | | 15/16x16PP |
| | 3 | | 1 | 3 | | 3 | | 3 | | 1 |

110' ROHN 65G

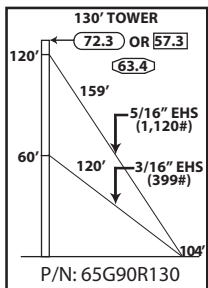
All parts shown in table are included when ordering
Part No: 65G90R110



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | GA65GD | APL4HA | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|----------|
| | 1 | 1 | 5 | 2 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 3/16EHS | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J |
| | 475' | 375' | 6 | 6 | 6 | 6 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

120' ROHN 65G

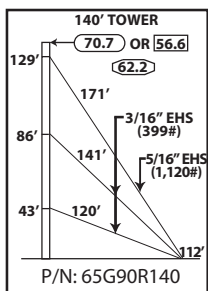
All parts shown in table are included when ordering
Part No: 65G90R120



| TOWER PARTS INCLUDED | 65TGH | | 6520G | | GA65GD | | APL4HA | | FDNS | | |
|------------------------------|------------|---------|---------|--------|---------|---------|-----------|--|----------|--------|------------|
| | 1 | | 6 | | 2 | | 1 | | BASE | ANCHOR | |
| | | | | | | | | | CB2G | AB2 | |
| GUYS & CONNECTIONS INCLUDED | 142265 | 3/16EHS | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J | | 1/2TBE&J | | |
| | 525' | 400' | 6 | 6 | 6 | 6 | 3 | | 3 | | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK2GGX | | CPC.5/.75 | | TBSAFETY | | 15/16x16PP |
| | 3 | | 1 | | 3 | | 3 | | 3 | | 1 |

130' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G90R130



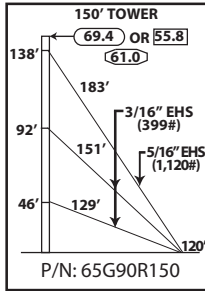
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|----------|
| | 1 | 1 | 6 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 3/16EHS | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J |
| | 550' | 850' | 12 | 6 | 12 | 6 | 3 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

140' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G90R140



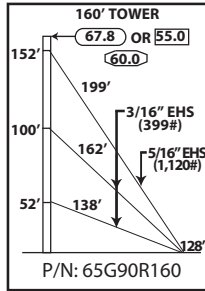
STANDARD DESIGN - 65G 90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|
| | 1 | 7 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 3/16EHS | BG2142 | BG2146 | 5/16THH | 7/16THH |
| | 600' | 900' | 12 | 6 | 12 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | TBSAFETY | 15/16x16PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

150' ROHN 65G

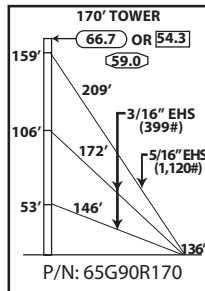
All parts shown in table are included when ordering
Part No: 65G90R150



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|----------|
| | 1 | 1 | 7 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 3/16EHS | BG2142 | BG2146 | 5/16THH | 7/16THH | 5/8TBE&J |
| | 650' | 975' | 12 | 6 | 12 | 6 | 9 |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

160' ROHN 65G

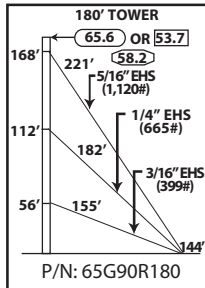
All parts shown in table are included when ordering
Part No: 65G90R160



| TOWER PARTS INCLUDED | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|
| | 1 | 8 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 3/16EHS | BG2142 | BG2146 | 5/16THH | 7/16THH |
| | 675' | 1025' | 12 | 6 | 12 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

170' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G90R170



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|-----------|----------|------------|--------|
| | 1 | 1 | 8 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | | |
| | 725' | 600' | 500' | 6 | 6 | | |
| | BG2146 | 5/8TBE&J | 7/16THH | 3/8THH | 5/16THH | | |
| | 6 | 9 | 6 | 6 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

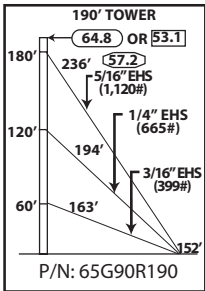
180' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G90R180



STANDARD DESIGN - 65G

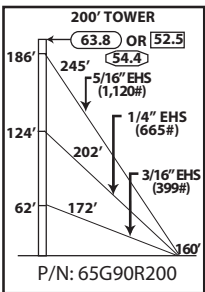
90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR |
|------------------------------|-----------|----------|---------|-----------|----------|--------------|
| | 1 | 9 | 1 | 3 | CB3G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | |
| | 750' | 625' | 525' | 6 | 6 | |
| | BG2146 | 5/8TBE&J | 7/16THH | 3/8THH | 5/16THH | |
| | 6 | 9 | 6 | 6 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP |
| | 3 | 1 | 3 | 6 | 3 | 1 |

190' ROHN 65G

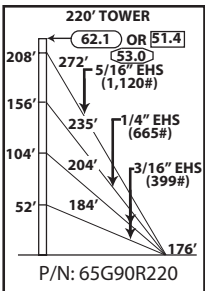
All parts shown in table are included when ordering
Part No: 65G90R190



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|--------|
| | 1 | 1 | 9 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | | |
| | 800' | 650' | 550' | 6 | 6 | | |
| | BG2146 | 5/8TBE&J | 7/16THH | 3/8THH | 5/16THH | | |
| | 6 | 9 | 6 | 6 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

200' ROHN 65G

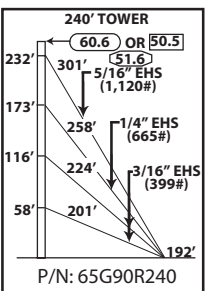
All parts shown in table are included when ordering
Part No: 65G90R200



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|--------|
| | 1 | 1 | 10 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | | |
| | 875' | 750' | 1250' | 12 | 6 | | |
| | BG2146 | 5/8TBE&J | 7/16THH | 3/8THH | 5/16THH | | |
| | 6 | 12 | 6 | 6 | 12 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

220' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G90R220



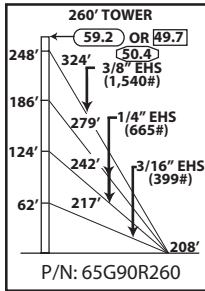
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|--------|
| | 1 | 1 | 11 | 1 | 4 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | | |
| | 975' | 825' | 1375' | 12 | 6 | | |
| | BG2146 | 5/8TBE&J | 7/16THH | 3/8THH | 5/16THH | | |
| | 6 | 12 | 6 | 6 | 12 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

240' ROHN 65G

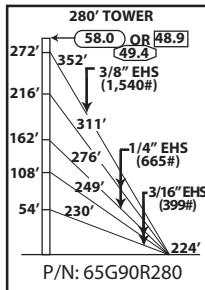
All parts shown in table are included when ordering
Part No: 65G90R240



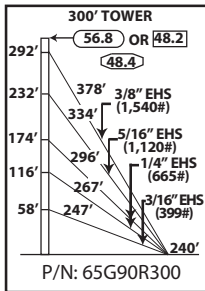
STANDARD DESIGN - 65G 90MPH REV. G, 70MPH REV. F



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|---|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 12 | 1 | 4 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | 260' ROHN 65G All parts shown in table are included when ordering Part No: 65G90R260 | |
| | 1050' | 1675' | 700' | 6 | 12 | | |
| | BG2147 | 5/8TBE&J | 1/2THH | 3/8THH | 5/16THH | | |
| | 6 | 12 | 6 | 12 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |



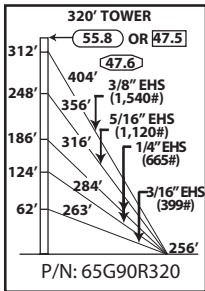
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|---|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 13 | 1 | 5 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | 280' ROHN 65G All parts shown in table are included when ordering Part No: 65G90R280 | |
| | 1125' | 1875' | 1550' | 12 | 12 | | |
| | BG2147 | 5/8TBE&J | 1/2THH | 3/8THH | 5/16THH | | |
| | 6 | 15 | 6 | 12 | 12 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|------------|---|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 14 | 1 | 5 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 3/16EHS | BG2142 | 300' ROHN 65G All parts shown in table are included when ordering Part No: 65G90R300 | |
| | 1225' | 1075' | 1800' | 800' | 6 | | |
| | BG2144 | BG2146 | BG2147 | 5/8TBE&J | 1/2THH | | |
| | 12 | 6 | 6 | 15 | 6 | | |
| | 7/16THH | 3/8THH | 5/16THH | TBSAFETY | | | |
| | 6 | 12 | 6 | 3 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | 15/16x16PP | | |
| | 3 | 1 | 3 | 3 | 1 | | |

STANDARD DESIGN - 65G

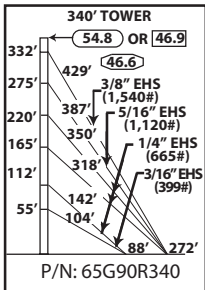
90MPH REV.G, 70MPH REV. F



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|------------|------|--------|
| | 1 | 1 | 15 | 1 | 5 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 3/16EHS | BG2142 | | |
| | 1300' | 1150' | 1925' | 850' | 6 | | |
| | BG2144 | BG2146 | BG2147 | 5/8TBE&J | 1/2THH | | |
| | 12 | 6 | 6 | 15 | 6 | | |
| | 7/16THH | 3/8THH | 5/16THH | TBSAFETY | | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | 15/16x16PP | | |
| | 3 | 1 | 3 | 3 | 1 | | |

320' ROHN 65G

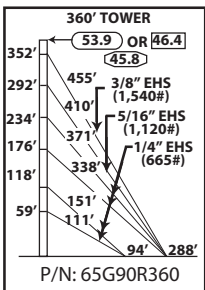
All parts shown in table are included when ordering
Part No: 65G90R320



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|-----------|-----------|----------|------------|----------|------|--------------|--------------|
| | 1 | 1 | 16 | 1 | 6 | CB5G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 3/16EHS | BG2142 | | | |
| | 1375' | 1250' | 2600' | 350' | 6 | | | |
| | BG2144 | BG2146 | BG2147 | 5/8TBE&J | 1/2TBE&J | | | |
| | 18 | 6 | 6 | 12 | 6 | | | |
| | 1/2THH | 7/16THH | 3/8THH | 5/16THH | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | GAC345TOP | AGK1GGX | BGK2GGX | | | | |
| | 3 | 3 | 2 | 3 | | | | |
| | CPC.5/.75 | CPC1/1.25 | TBSAFETY | 15/16x16PP | | | | |
| | 3 | 3 | 6 | 1 | | | | |

340' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G90R340



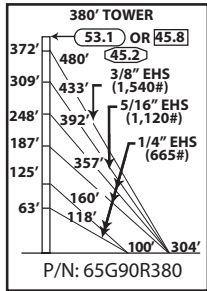
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|-----------|-----------|----------|------------|-----------|--------|---|--------------|
| | 1 | 1 | 17 | 1 | 6 | CB6G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 5/8TBE&J | 1/2TBE&J | 3/8THH | 360' ROH All parts shown in table are in when ordered Part No: 65G | |
| | 1450' | 1325' | 3100' | 12 | 6 | 24 | | |
| | BG2144 | BG2146 | BG2147 | 1/2THH | 7/16THH | | | |
| | 24 | 6 | 6 | 6 | 6 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | GAC345TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | | | |
| | 3 | 3 | 2 | 3 | 3 | | | |
| | CPC1/1.25 | APL1258UM | TBSAFETY | 15/16x16PP | | | | |
| | 3 | 2 | 6 | 1 | | | | |

360' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G90R360

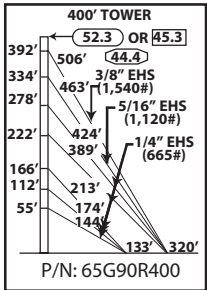


STANDARD DESIGN - 65G 90MPH REV. G, 70MPH REV. F



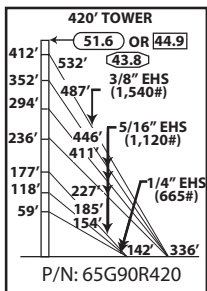
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|-----------|------------|----------|------------|-----------|--------|--------------|--------------|
| | 1 | 1 | 18 | 1 | 6 | CB6G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 5/8TBE&J | 1/2TBE&J | 3/8THH | | |
| | 1550' | 1400' | 3300' | 12 | 6 | 24 | | |
| | BG2144 | BG2146 | BG2147 | 1/2THH | 7/16THH | | | |
| ANCHORS & GROUNDING INCLUDED | 24 | 6 | 6 | 6 | 6 | | | |
| | GAC565TOP | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | | | |
| | 3 | 3 | 2 | 3 | 3 | | | |
| | CPC1/1.25 | APL1258UM | TBSAFETY | 15/16x16PP | | | | |
| | 3 | 2 | 6 | 1 | | | | |

380' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G90R380



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|-----------|------------|----------|------------|-----------|--------|--------------|--------------|
| | 1 | 1 | 19 | 1 | 7 | CB6G | AB2 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 5/8TBE&J | 1/2TBE&J | 3/8THH | | |
| | 1625' | 1475' | 4300' | 12 | 9 | 30 | | |
| | BG2144 | BG2146 | BG2147 | 1/2THH | 7/16THH | | | |
| ANCHORS & GROUNDING INCLUDED | 30 | 6 | 6 | 6 | 6 | | | |
| | GAC565TOP | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/.75 | | | |
| | 3 | 3 | 2 | 3 | 3 | | | |
| | CPC1/1.25 | APL1258UM | TBSAFETY | 15/16x16PP | | | | |
| | 3 | 2 | 6 | 1 | | | | |

400' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G90R400

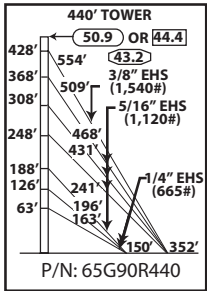


| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|-----------|------------|---------|----------|-----------|------|--------------|--------------|
| | 1 | 1 | 20 | 1 | 7 | CB6G | AB3 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 5/8TBE&J | 3/8THH | | | |
| | 1700' | 5025' | 1100' | 21 | 12 | | | |
| | BG2144 | BG2146 | BG2147 | 1/2THH | 7/16THH | | | |
| ANCHORS & GROUNDING INCLUDED | 12 | 24 | 6 | 6 | 24 | | | |
| | GAC565TOP | APL1258UM | AGK1GGX | BGK2GGX | CPC1/1.25 | | | |
| | 6 | 2 | 2 | 3 | 6 | | | |
| | TBSAFETY | 15/16x16PP | | | | | | |
| | 6 | 1 | | | | | | |

420' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G90R420

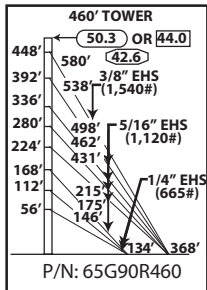
STANDARD DESIGN - 65G

90 MPH REV. G, 70MPH REV. F



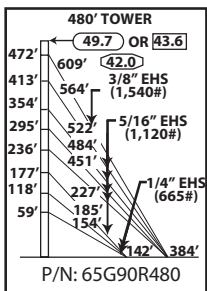
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|---------|----------|-----------|------|--------------|--------------|
| | 1 | 1 | 21 | 1 | 7 | CB7G | AB3 | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 5/8TBE&J | 3/8THH | | | |
| | 1775' | 5275' | 1150' | 21 | 12 | | | |
| | BG2144 | BG2146 | BG2147 | 1/2THH | 7/16THH | | | |
| | 12 | 24 | 6 | 6 | 24 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | APL1258UM | AGK1GGX | BGK2GGX | CPC1/1.25 | | | |
| | 6 | 2 | 2 | 3 | 6 | | | |
| | TBSAFETY | 15/16x16PP | | | | | | |
| | 6 | 1 | | | | | | |

440' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G90R440



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|------------|-----------|--------|--------------|--------------|
| | 1 | 1 | 22 | 1 | 8 | CB7G | AB3 | AB5 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 3/4TBE&J | 5/8TBE&J | 3/8THH | | |
| | 1850' | 6850' | 1025' | 15 | 9 | 12 | | |
| | BG2144 | BG2146 | BG2147 | 1/2THH | 7/16THH | | | |
| | 12 | 30 | 6 | 6 | 30 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | | | |
| | 3 | 3 | 2 | 3 | 3 | | | |
| | CPC1.5/2 | APL1258UM | TBSAFETY | 15/16x16PP | | | | |
| | 3 | 2 | 6 | 1 | | | | |

460' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G90R460



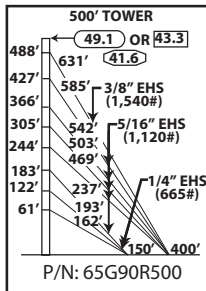
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|------------|-----------|--------|--------------|--------------|
| | 1 | 1 | 23 | 1 | 8 | CB7G | AB3 | AB5 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 3/4TBE&J | 5/8TBE&J | 3/8THH | | |
| | 1950' | 7175' | 1100' | 15 | 9 | 12 | | |
| | BG2144 | BG2146 | BG2147 | 1/2THH | 7/16THH | | | |
| | 12 | 30 | 6 | 6 | 30 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | | | |
| | 3 | 3 | 2 | 3 | 3 | | | |
| | CPC1.5/2 | APL1258UM | TBSAFETY | 15/16x16PP | | | | |
| | 3 | 2 | 6 | 1 | | | | |

480' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G90R480



STANDARD DESIGN - 65G

90MPH REV. G, 70MPH REV. F



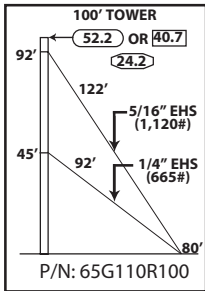
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|-----------|-----------|----------|------------|-----------|--------|--------------|--------------|
| | 1 | 1 | 24 | 1 | 8 | CB7G | AB3 | AB5 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | 3/4TBE&J | 5/8TBE&J | 3/8THH | | |
| | 2025' | 7450' | 1150' | 15 | 9 | 12 | | |
| | BG2144 | BG2146 | BG2147 | 1/2THH | 7/16THH | | | |
| | 12 | 30 | 6 | 6 | 30 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | GAC575TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | | | |
| | 3 | 3 | 2 | 3 | 3 | | | |
| | CPC1.5/2 | APL1258UM | TBSAFETY | 15/16x16PP | | | | |
| | 3 | 2 | 6 | 1 | | | | |

500' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G90R500

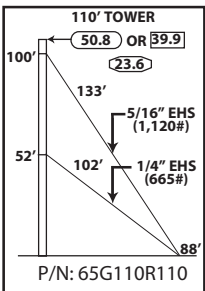
STANDARD DESIGN - 65G

110 MPH REV. G, 90MPH REV. F



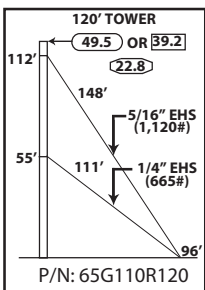
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|----------|----------|------------|----------|
| | 1 | 1 | 4 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | BG2144 | BG2146 | 7/16THH | 3/8THH | 5/8TBE&J |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC.5/75 | TBSAFETY | 15/16x16PP | |

100' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R100



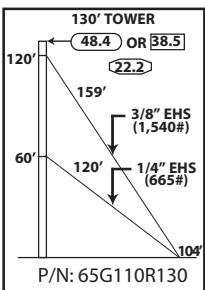
| TOWER PARTS INCLUDED | 65TGH | | 6520G | | APL4HA | | GA65GD | | FDNS | |
|------------------------------|------------|--------|---------|--------|---------|--------|----------|--|----------|--------|
| | 1 | | 5 | | 1 | | 2 | | BASE | ANCHOR |
| | 1 | | 5 | | 1 | | 2 | | CB2G | AB2 |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | BG2144 | BG2146 | 7/16THH | 3/8THH | 5/8TBE&J | | 1/2TBE& | |
| | 425' | 325' | 6 | 6 | 6 | 6 | 3 | | 3 | |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | | AGK1GGX | | BGK2GGX | | CPC.5/75 | | TBSAFETY | |
| | 3 | | 1 | | 3 | | 3 | | 3 | |
| | | | | | | | | | | |

110' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R110



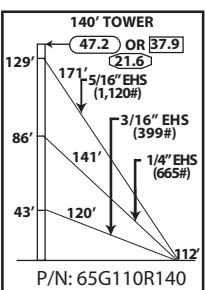
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|----------|
| | 1 | 1 | 5 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | BG2144 | BG2146 | 7/16THH | 3/8THH | 5/8TBE&J |
| ANCHORS & GROUNDING INCLUDED | GAC3455TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |

120' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R120



| TOWER PARTS INCLUDED | 65TGH | | 6520G | | APL4HA | | GA65GD | | FDNS | | |
|------------------------------|------------|--------|---------|--------|---------|--------|-----------|--|----------|--------|------------|
| | 1 | | 6 | | 1 | | 2 | | BASE | ANCHOR | |
| | | | | | | | | | CB2G | AB3 | |
| GUYS & CONNECTIONS INCLUDED | 142261 | 1/4EHS | BG2147 | BG2144 | 1/2THH | 3/8THH | 5/8TBE&J | | | | |
| | 525' | 400' | 6 | 6 | 6 | 6 | 6 | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | | AGK1GGX | | BGK2GGX | | CPC1/1.25 | | TBSAFETY | | 15/16x16PP |
| | 3 | | 1 | | 3 | | 3 | | 3 | | 1 |

130' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R130

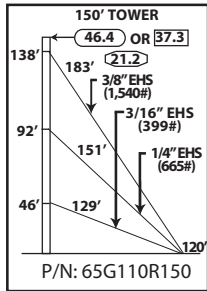


| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|-----------|----------|------------|--------|
| | 1 | 1 | 6 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | | |
| | 550' | 450' | 400' | 6 | 6 | | |
| | BG2146 | 5/8TBE&J | 7/16THH | 3/8THH | 5/16THH | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |

140' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R140



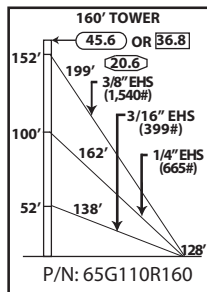
STANDARD DESIGN - 65G 110MPH REV. G, 90MPH REV. F



| TOWER PARTS INCLUDED | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|
| | | | | | BASE | ANCHOR |
| | 1 | 7 | 1 | 3 | CB3G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | |
| | 600' | 500' | 425' | 6 | 6 | |
| | BG2147 | 5/8TBE&J | 1/2THH | 3/8THH | 5/16THH | |
| | 6 | 9 | 6 | 6 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP |
| | 3 | 1 | 3 | 6 | 3 | 1 |

150' ROHN 65G

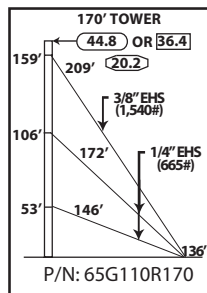
All parts shown in table are included when ordering
Part No: 65G110R150



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 7 | 1 | 3 | CB3G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 1/4EHS | 3/16EHS | BG2142 | BG2144 | | |
| | 650' | 525' | 450' | 6 | 6 | | |
| | BG2147 | 5/8TBE&J | 1/2THH | 3/8THH | 5/16THH | | |
| | 6 | 9 | 6 | 6 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

160' ROHN 65G

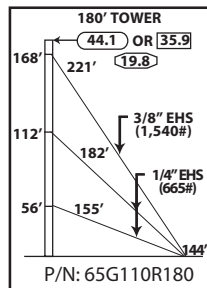
All parts shown in table are included when ordering
Part No: 65G110R160



| TOWER PARTS INCLUDED | 65TGH | 6520G | APL4HA | GA65GD | FDNS | | |
|------------------------------|-----------|---------|---------|-----------|----------|------------|----------|
| | | | | | BASE | ANCHOR | |
| | 1 | 8 | 1 | 3 | CB3G | AB3 | |
| GUYS & CONNECTIONS INCLUDED | 142261 | 1/4EHS | BG2144 | BG2147 | 1/2THH | 3/8THH | 5/8TBE&J |
| | 675' | 1025' | 12 | 6 | 6 | 12 | 9 |
| | | | | | | | |
| | | | | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

170' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G110R170



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|---------|---------|-----------|----------|------------|----------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 8 | 1 | 3 | CB3G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 1/4EHS | BG2144 | BG2147 | 1/2THH | 3/8THH | 5/8TBE&J |
| | 725' | 1075' | 12 | 6 | 6 | 12 | 9 |
| | | | | | | | |
| | | | | | | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

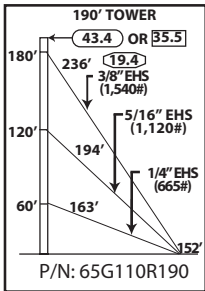
180' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G110R180



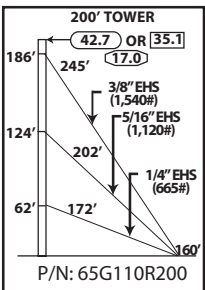
STANDARD DESIGN - 65G

110MPH REV. G, 90MPH REV. F



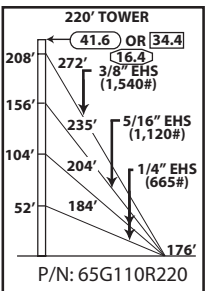
| TOWER PARTS INCLUDED | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|
| | | | | | BASE | ANCHOR |
| | 1 | 9 | 1 | 3 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | BG2146 | |
| | 750' | 625' | 525' | 6 | 6 | |
| | BG2147 | 5/8TBE&J | 1/2THH | 7/16THH | 3/8THH | |
| | 6 | 9 | 6 | 6 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP |
| | 3 | 1 | 3 | 6 | 3 | 1 |

190' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R190



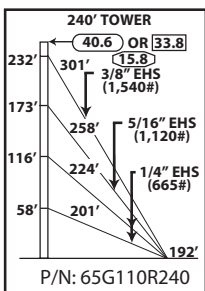
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 9 | 1 | 3 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | BG2146 | | |
| | 800' | 650' | 550' | 6 | 6 | | |
| | BG2147 | 5/8TBE&J | 1/2THH | 7/16THH | 3/8THH | | |
| | 6 | 9 | 6 | 6 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

200' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R200



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 10 | 1 | 4 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | BG2146 | | |
| | 875' | 750' | 1250' | 12 | 6 | | |
| | BG2147 | 5/8TBE&J | 1/2THH | 7/16THH | 3/8THH | | |
| | 6 | 12 | 6 | 6 | 12 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

220' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R220

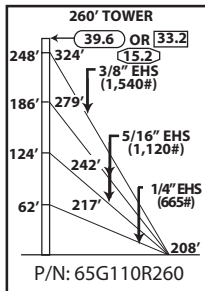


| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|-----------|----------|---------|-----------|----------|------------|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 11 | 1 | 4 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | BG2146 | | |
| | 975' | 825' | 1375' | 12 | 6 | | |
| | BG2147 | 5/8TBE&J | 1/2THH | 7/16THH | 3/8THH | | |
| | 6 | 12 | 6 | 6 | 12 | | |
| ANCHORS & GROUNDING INCLUDED | GAC565TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

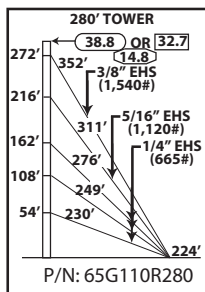
240' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G110R240



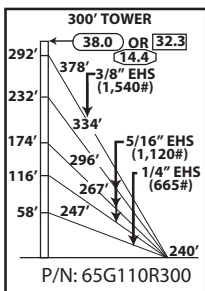
STANDARD DESIGN - 65G 110MPH REV. G, 90MPH REV. F



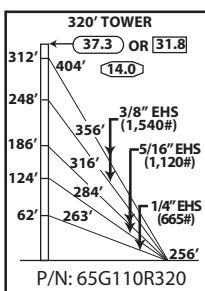
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|----------|----------|--|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 12 | 1 | 4 | CB5G | AB5 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | 1/2THH | 260' ROHN 65G All parts shown in table are included when ordering Part No: 65G110R260 | |
| | 1050' | 1675' | 700' | 6 | 6 | | |
| | 7/16THH | 3/4TBE&J | 3/8THH | BG2146 | BG2147 | | |
| | 12 | 12 | 6 | 12 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|----------|----------|----------|--|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 13 | 1 | 5 | CB5G | AB5 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | BG2146 | 280' ROHN 65G All parts shown in table are included when ordering Part No: 65G110R280 | |
| | 1125' | 1000' | 2450' | 18 | 6 | | |
| | BG2147 | 7/16THH | 3/4TBE&J | 3/8THH | 1/2THH | | |
| | 6 | 6 | 15 | 18 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 6 | 3 | 1 | |



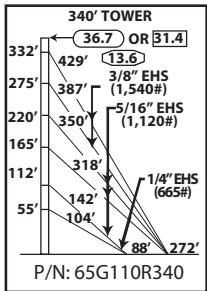
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|----------|----------|--|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 14 | 1 | 5 | CB5G | AB5 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | BG2146 | 300' ROHN 65G All parts shown in table are included when ordering Part No: 65G110R300 | |
| | 1225' | 2875' | 800' | 6 | 18 | | |
| | BG2147 | 3/4TBE&J | 1/2THH | 7/16THH | 3/8THH | | |
| | 6 | 15 | 6 | 18 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |



| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|----------|----------|--|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 15 | 1 | 5 | CB6G | AB6 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | BG2146 | 320' ROHN 65G All parts shown in table are included when ordering Part No: 65G110R320 | |
| | 2425' | 1925' | 850' | 6 | 12 | | |
| | BG2147 | 3/4TBE&J | 1/2THH | 7/16THH | 3/8THH | | |
| | 12 | 15 | 12 | 12 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5755TOP | AGK1GGX | BGK2GGX | CPC1.5/2 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

STANDARD DESIGN - 65G

110 MPH REV. G, 90MPH REV. F



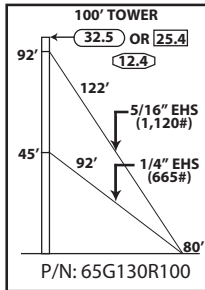
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | BASE | INNER ANCHOR | OUTER ANCHOR |
|------------------------------|------------|------------|----------|------------|--------|---|--------------|--------------|
| | 1 | 1 | 16 | 1 | 6 | CB7G | AB3 | AB5 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2144 | BG2146 | BG2147 | | |
| | 2600' | 2600' | 350' | 6 | 18 | 12 | | |
| | 3/4TBE&J | 5/8TBE&J | 1/2THH | 7/16THH | 3/8THH | 340' ROHN All parts shown in table are included when ordered. Part No: 65G11 | | |
| | 12 | 6 | 12 | 18 | 6 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | GAC5755TOP | AGK1GGX | BGK2GGX | | | | |
| | 3 | 3 | 2 | 3 | | | | |
| | CPC1/1.25 | CPC1.5/2 | TBSAFETY | 15/16x16PP | | | | |
| | 3 | 3 | 6 | 1 | | | | |

340' ROHN 65G

All parts shown in table are included when ordering
Part No: 65G110R340

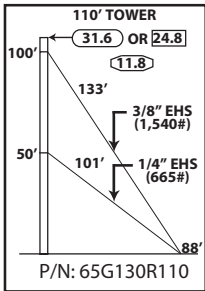


STANDARD DESIGN - 65G 130 MPH REV. G, 110MPH REV. F



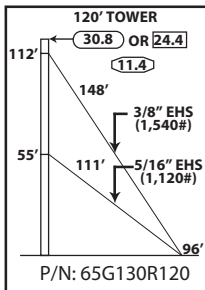
| TOWER PARTS INCLUDED | 65G | 65GTH | 6520G | GA65GD | APL4HA | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|---------|
| | 1 | 1 | 4 | 2 | 1 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142265 | 1/4EHS | BG2146 | BG2144 | 5/8TBE&J | 3/8THH | 7/16THH |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

100' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R100



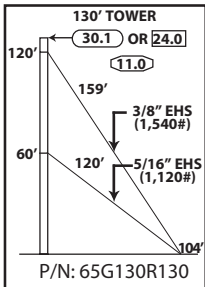
| TOWER PARTS INCLUDED | 65TGH | | 6520G | | APL4HA | | GA65GD | | FDNS | | |
|------------------------------|------------|--|---------|--------|---------|--------|-----------|----------|----------|--------|------------|
| | | | | | | | | | BASE | ANCHOR | |
| | 1 | | 5 | | 1 | | 2 | | CB2G | AB3 | |
| GUYS & CONNECTIONS INCLUDED | 142261 | | 1/4EHS | BG2147 | BG2144 | 1/2THH | 3/8THH | 5/8TBE&J | | | |
| | 425' | | 325' | 6 | 6 | 6 | 6 | 6 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | | AGK1GGX | | BGK2GGX | | CPC1/1.25 | | TBSAFETY | | 15/16x16PP |
| | 3 | | 1 | | 3 | | 3 | | 3 | | 1 |

110' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R110



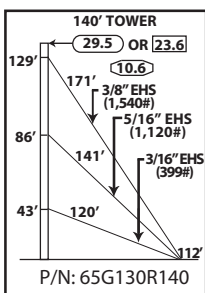
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|----------|
| | 1 | 1 | 5 | 1 | 2 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | BG2147 | BG2146 | 7/16THH | 1/2THH | 5/8TBE&J |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

120' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R120



| TOWER PARTS INCLUDED | 65TGH | 6520G | | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|----------|------------|----------|
| | 1 | 6 | | 1 | 2 | BASE | ANCHOR |
| | | | | | | CB3G | AB3 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | BG2147 | BG2146 | 7/16THH | 1/2THH | 5/8TBE&J |
| | 525' | 400' | 6 | 6 | 6 | 6 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

130' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R130

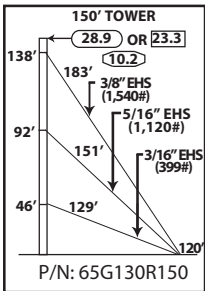


| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|-----------|----------|------------|--------|
| | 1 | 1 | 6 | 1 | 3 | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 3/16EHS | BG2147 | BG2146 | | |
| | 550' | 450' | 400' | 6 | 6 | | |
| | BG2142 | 5/8TBE&J | 1/2THH | 7/16THH | 5/16THH | | |
| | 6 | 9 | 6 | 6 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

140' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R140

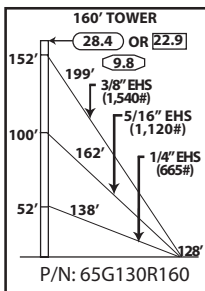
STANDARD DESIGN - 65G

130MPH REV. G, 110MPH REV. F



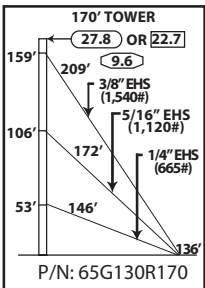
| TOWER PARTS INCLUDED | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|-----------|----------|------------|
| | | | | | BASE | ANCHOR |
| | 1 | 7 | 1 | 3 | CB3G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 3/16EHS | BG2147 | BG2146 | |
| | 600' | 500' | 425' | 6 | 6 | |
| | BG2142 | 5/8TBE&J | 1/2THH | 7/16THH | 5/16THH | |
| | 6 | 9 | 6 | 6 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

150' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R150



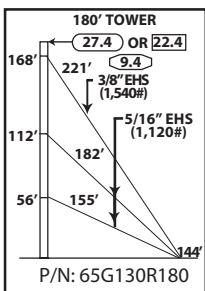
| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|-----------|----------|------------|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 7 | 1 | 3 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2147 | BG2146 | | |
| | 650' | 525' | 450' | 6 | 6 | | |
| | BG2144 | 5/8TBE&J | 1/2THH | 7/16THH | 3/8THH | | |
| | 6 | 9 | 6 | 6 | 6 | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP | |
| | 3 | 1 | 3 | 3 | 3 | 1 | |

160' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R160



| TOWER PARTS INCLUDED | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|----------|---------|-----------|----------|------------|
| | | | | | BASE | ANCHOR |
| | 1 | 8 | 1 | 3 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | 1/4EHS | BG2147 | BG2146 | |
| | 675' | 550' | 475' | 6 | 6 | |
| | BG2144 | 5/8TBE&J | 1/2THH | 7/16THH | 3/8THH | |
| | 6 | 9 | 6 | 6 | 6 | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | TBSAFETY | 15/16x16PP |
| | 3 | 1 | 3 | 3 | 3 | 1 |

170' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R170

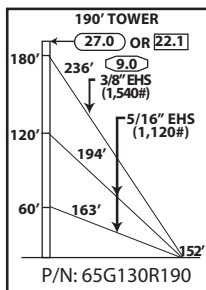


| TOWER PARTS INCLUDED | 65G | 65TGH | 6520G | APL4HA | GA65GD | FDNS | |
|------------------------------|------------|---------|---------|-----------|------------|------|--------|
| | | | | | | BASE | ANCHOR |
| | 1 | 1 | 8 | 1 | 3 | CB4G | AB4 |
| GUYS & CONNECTIONS INCLUDED | 142261 | 142265 | BG2147 | BG2146 | | | |
| | 725' | 1075' | 6 | 12 | | | |
| | 5/8TBE&J | 1/2THH | 7/16THH | TBSAFETY | | | |
| | 9 | 6 | 12 | 3 | | | |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | AGK1GGX | BGK2GGX | CPC1/1.25 | 15/16x16PP | | |
| | 3 | 1 | 3 | 3 | 1 | | |

180' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G90R180



STANDARD DESIGN - 65G
130 MPH REV. G, 110MPH REV. F



| TOWER PARTS INCLUDED | 65TGH | | 6520G | | APL4HA | | GA65GD | | FDNS | |
|------------------------------|------------|--|---------|--|---------|--|-----------|--|----------|--------|
| | 1 | | 9 | | 1 | | 3 | | BASE | ANCHOR |
| GUYS & CONNECTIONS INCLUDED | 142261 | | 142265 | | BG2147 | | BG2146 | | 7/16THH | 1/2THH |
| | 750' | | 1150' | | 6 | | 12 | | 12 | 6 |
| ANCHORS & GROUNDING INCLUDED | GAC5655TOP | | AGK1GGX | | BGK2GGX | | CPC1/1.25 | | TBSAFETY | |
| | 3 | | 1 | | 3 | | 3 | | 3 | |

190' ROHN 65G
All parts shown in table are included when ordering
Part No: 65G130R190

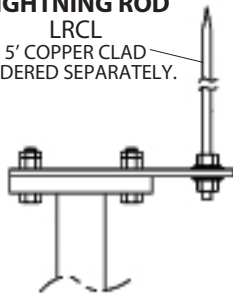
PARTS & ACCESSORIES



LEG MOUNTED BEACON PLATE KIT APL4HA

FOR MOUNTING BEACON OR
LIGHTNING ROD. BOLTS TO
TOP OF STANDARD SECTION.
INCLUDES BEACON PLATE,
(2) CAP PLATES, NUTS AND BOLTS.

LIGHTNING ROD
LRCL
5' COPPER CLAD
ORDERED SEPARATELY.



LIGHTNING ROD PLATE KIT VW133

INCLUDES: LIGHTNING ROD PLATE,
(2) CAP PLATES, NUTS AND BOLTS.



CAP PLATE KIT CP4A

(3) CAP PLATES WITH NUTS AND BOLTS.



10' TAPERED BASE 65TGH*

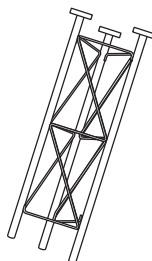
FOR USE WITH 15/16X16PP,
ORDERED SEPARATELY.



PIER PIN 15/16X16PP

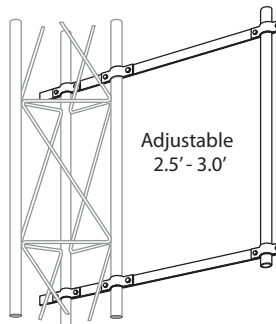
FOR USE WITH 65TGH
EMBEDDED IN CONCRETE.

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



5' SHORT BASE SB65GH

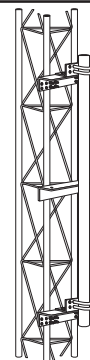
FOR EMBEDMENT IN CONCRETE.



Adjustable
2.5' - 3.0'

SIDE ARM ASSEMBLY SA253UA

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



Tie-Back Angle
with 9/16" dia.
holes, included
with DM654TB.

FACE DISH MOUNT DM654

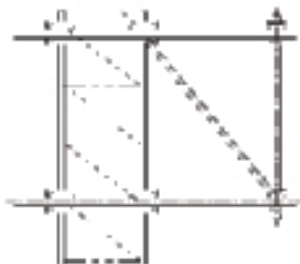
4 1/2" O.D. X 5' LONG

DM654TB
4 1/2" O.D. X 5' LONG WITH TIE-BACK
ANGLE.



DISH MOUNT

KY509 - 2 3/8" O.D. MAST
KY510 - 4 1/2" O.D. MAST
MOUNTING TUBE PROVIDED IS 5' LONG.



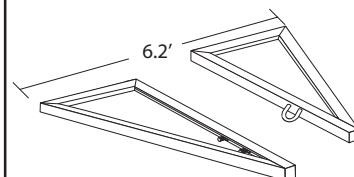
3' SIDE ARM

KH6100A
MOUNTING TUBE PROVIDED IS 7' LONG,
2 3/8" O.D.



6' SIDE ARM

KY1048A
MOUNTING TUBE PROVIDED IS 5' LONG,
2 3/8" O.D.



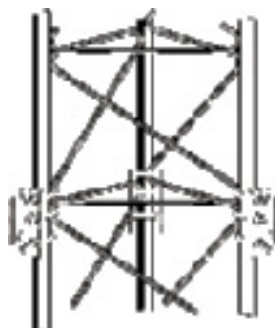
HOUSE BRACKET

KH1014
ADJUSTABLE TO POSITION 65G
18" - 30" FROM WALL.

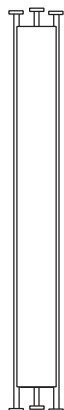
*TOWERS MOUNTED ON THESE BASES MUST BE BRACKETED OR GUYED AT ALL TIMES. TEMPORARY STEEL GUYING MAY ALSO BE NECESSARY DURING INSTALLATION AND DISMANTLING.



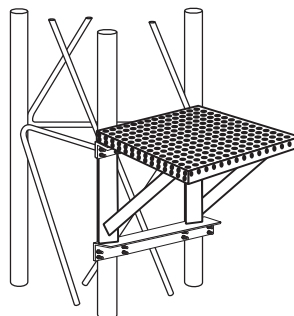
PARTS & ACCESSORIES



GUY BRACKET ASSEMBLY
GA65GD
KIT INCLUDES (3) BRACKETS WITH
U-BOLTS.



ANTI-CLIMB PANELS
VW915A
THREE ANTI-CLIMB PANELS BOLT
TO STANDARD TOWER SECTION.



WORK PLATFORM
WPCC65
SNAPS INTO PLACE AT ANY LEVEL.
NO BOLTS REQUIRED.



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



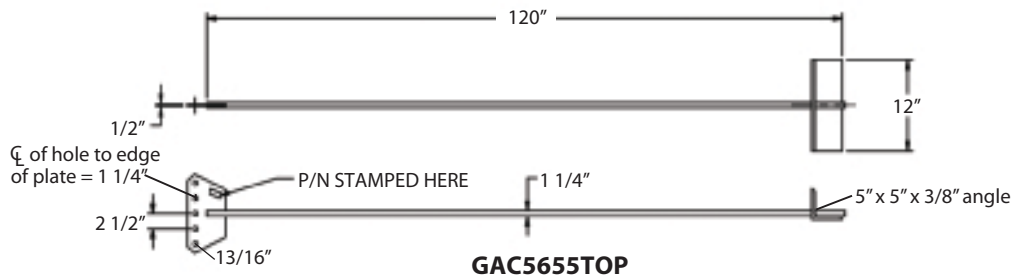
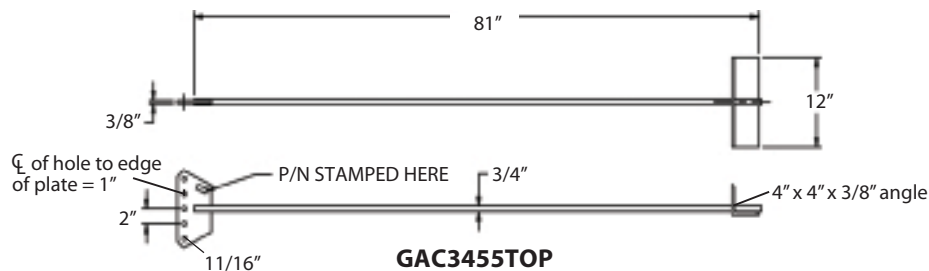
**SAFETY CABLE
SLIDER WITH CARABINER**
TT-WG-500-W/SMC

SAFETY CABLE SYSTEM ORDERING INFORMATION

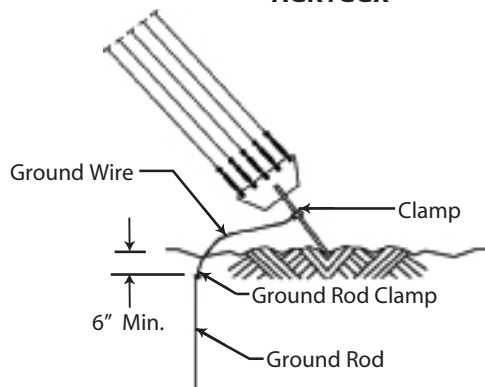
| TOWER HEIGHT | PART NUMBER |
|-----------------|----------------|
| 50' | TT05065 |
| 100' | TT10065 |
| 150' | TT15065 |
| 200' | TT20065 |
| 250' | TT25065 |
| 300' | TT30065 |
| 350' | TT35065 |
| 400' | TT40065 |
| 450' | TT45065 |
| 500' | TT50065 |

SAFETY CABLE SLIDER AND
CLIMBING HARNESS MUST BE
ORDERED SEPARATELY.

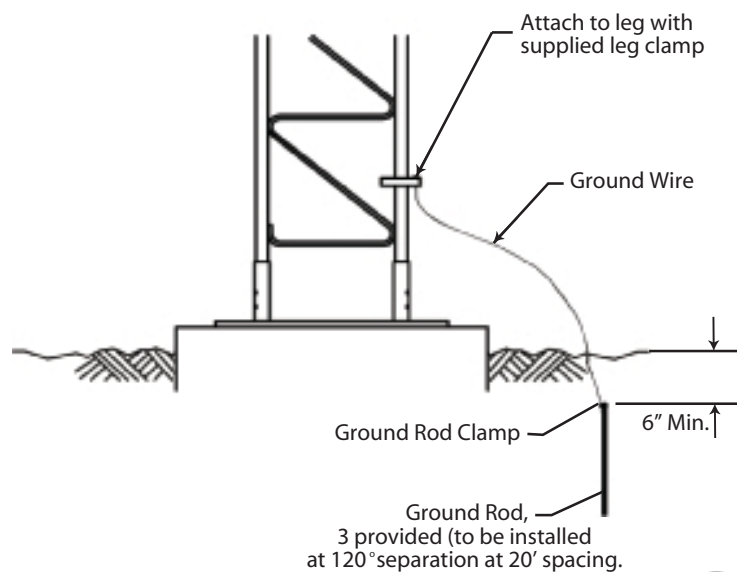
ANCHOR INFORMATION



REV G ANCHOR GROUNDING AGK1GGX

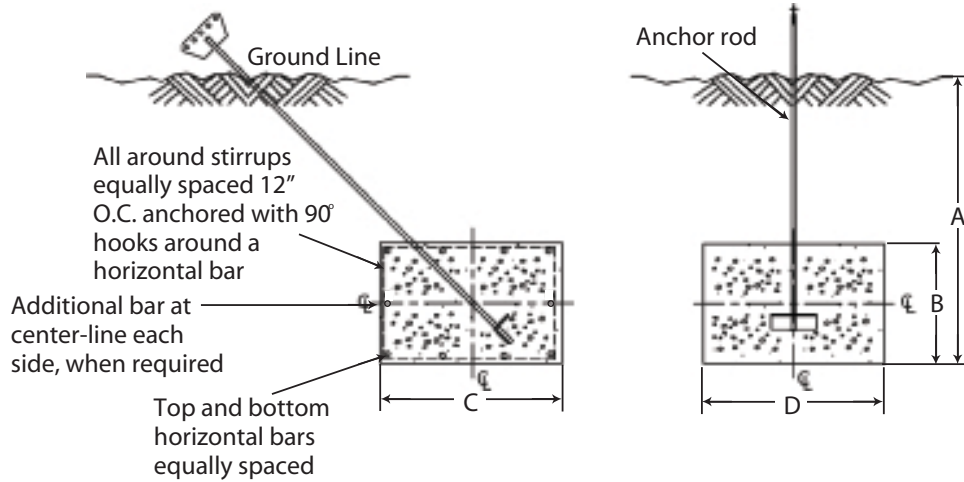


REV G BASE GROUNDING BCK2GCV





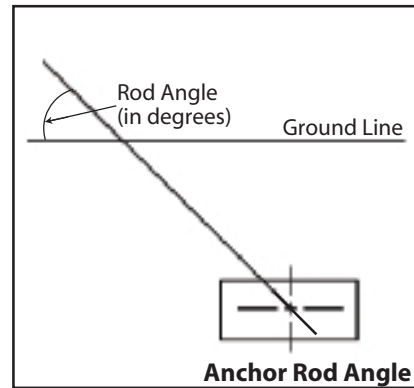
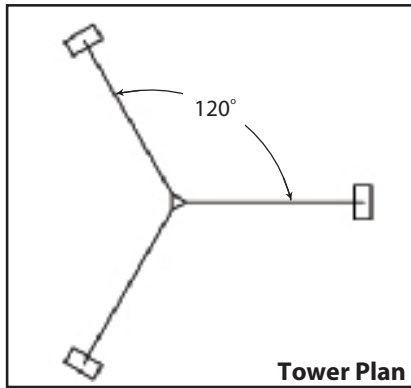
STANDARD ANCHOR BLOCKS



Refer to page 145 for anchor rod installation angles.

| Block | Anchor Dimensions (in.) | | | | Horizontal Bars (Qty. & Size) | Stirrup Size & Spacing | Concrete Vol. (Cu. Yds.) |
|-------|-------------------------|---------|---------|----------|--|---------------------------|-----------------------------------|
| | A | B | C | D | | | |
| 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



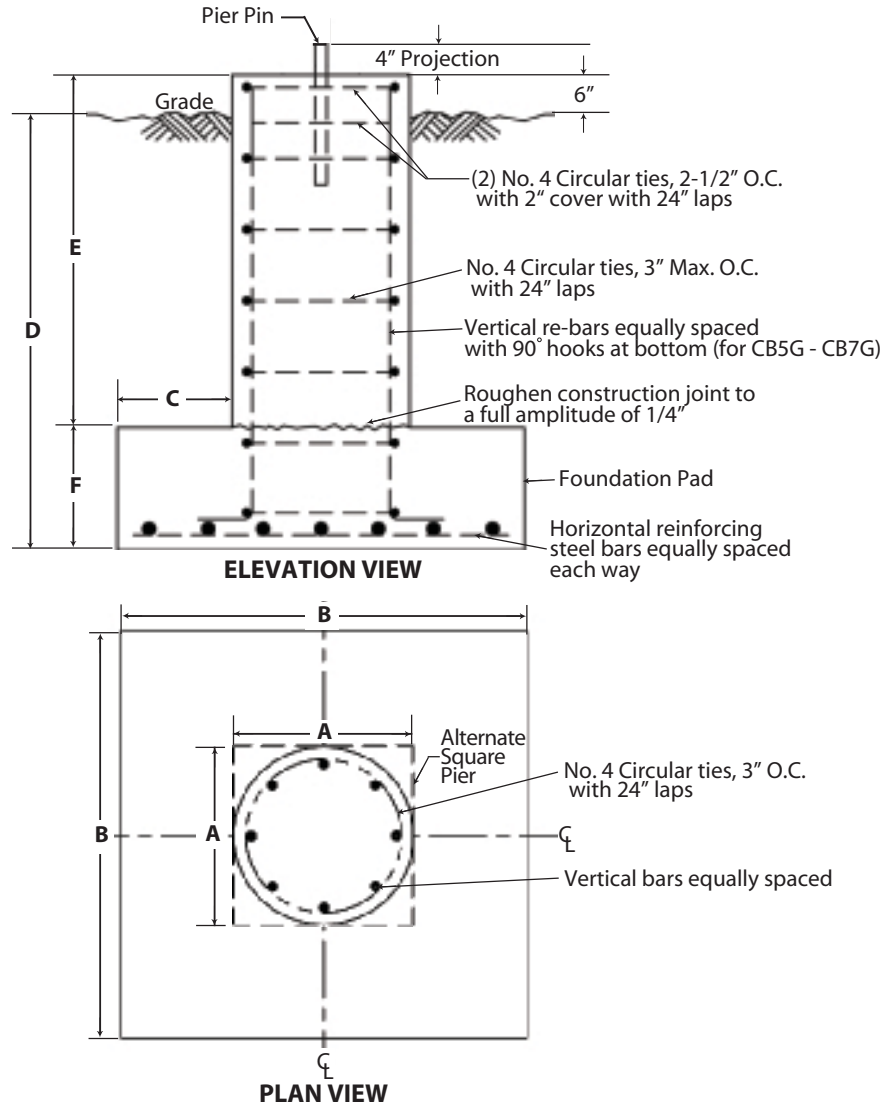
| 65G 90MPH | | | | |
|--------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 100' | GAC3455TOP | 44 | - | - |
| 110' | GAC3455TOP | 44 | - | - |
| 120' | GAC3455TOP | 44 | - | - |
| 130' | GAC3455TOP | 44 | - | - |
| 140' | GAC3455TOP | 42 | - | - |
| 150' | GAC3455TOP | 42 | - | - |
| 160' | GAC5655TOP | 42 | - | - |
| 170' | GAC5655TOP | 41 | - | - |
| 180' | GAC5655TOP | 41 | - | - |
| 190' | GAC5655TOP | 41 | - | - |
| 200' | GAC5655TOP | 41 | - | - |
| 220' | GAC5655TOP | 40 | - | - |
| 240' | GAC5655TOP | 39 | - | - |
| 260' | GAC5655TOP | 39 | - | - |
| 280' | GAC5655TOP | 38 | - | - |
| 300' | GAC5655TOP | 38 | - | - |
| 320' | GAC5655TOP | 38 | - | - |
| 340' | GAC3455TOP | 43 | GAC5655TOP | 43 |
| 360' | GAC3455TOP | 43 | GAC5655TOP | 43 |
| 380' | GAC3455TOP | 43 | GAC5655TOP | 43 |
| 400' | GAC3455TOP | 40 | GAC5655TOP | 44 |
| 420' | GAC5655TOP | 40 | GAC5655TOP | 43 |
| 440' | GAC5655TOP | 40 | GAC5655TOP | 43 |
| 460' | GAC5655TOP | 40 | GAC5755TOP | 42 |
| 480' | GAC5655TOP | 40 | GAC5755TOP | 42 |
| 500' | GAC5655TOP | 39 | GAC5755TOP | 42 |

| 65G 110MPH | | | | |
|--------------|------------------|-----------------|------------------|-----------------|
| Tower Height | Inner Rod Number | Inner Rod Angle | Outer Rod Number | Outer Rod Angle |
| 100' | GAC3455TOP | 44 | - | - |
| 110' | GAC3455TOP | 43 | - | - |
| 120' | GAC5655TOP | 42 | - | - |
| 130' | GAC5655TOP | 42 | - | - |
| 140' | GAC5655TOP | 41 | - | - |
| 150' | GAC5655TOP | 41 | - | - |
| 160' | GAC5655TOP | 41 | - | - |
| 170' | GAC5655TOP | 40 | - | - |
| 180' | GAC5655TOP | 40 | - | - |
| 190' | GAC5655TOP | 40 | - | - |
| 200' | GAC5655TOP | 39 | - | - |
| 220' | GAC5655TOP | 39 | - | - |
| 240' | GAC5655TOP | 38 | - | - |
| 260' | GAC5755TOP | 38 | - | - |
| 280' | GAC5755TOP | 37 | - | - |
| 300' | GAC5755TOP | 37 | - | - |
| 320' | GAC5755TOP | 37 | - | - |
| 340' | GAC5655TOP | 43 | GAC5755TOP | 42 |

| 65G 130MPH | | |
|--------------|------------|-----------|
| Tower Height | Rod Number | Rod Angle |
| 100' | GAC5655TOP | 42 |
| 110' | GAC5655TOP | 42 |
| 120' | GAC5655TOP | 41 |
| 130' | GAC5655TOP | 41 |
| 140' | GAC5655TOP | 40 |
| 150' | GAC5655TOP | 40 |
| 160' | GAC5655TOP | 40 |
| 170' | GAC5655TOP | 39 |
| 180' | GAC5655TOP | 38 |
| 190' | GAC5655TOP | 38 |



STANDARD BASE PIERS



| Base | A | B | C | D | E | F | Concrete Vol. (Cu. Yds.) Round Pier | Vertical Bars (No. & Size) | Horiz. Bars in Pad (No. & Size) |
|------|---------|---------|---------|---------|---------|---------|---|-------------------------------|---------------------------------------|
| CB2G | 3' - 0" | 3' - 0" | N/A | 4' - 0" | N/A | N/A | 1.2 | (10) #7 | NONE |
| CB3G | 3' - 6" | 3' - 6" | N/A | 4' - 0" | N/A | N/A | 1.6 | (12) #7 | NONE |
| CB4G | 4' - 0" | 4' - 0" | N/A | 4' - 0" | N/A | N/A | 2.1 | (12) #8 | NONE |
| CB5G | 2' - 0" | 4' - 0" | 1' - 0" | 4' - 0" | 3' - 3" | 1' - 3" | 1.1 | (8) #6 | (5) #5 (Total of 10) |
| CB6G | 2' - 0" | 4' - 6" | 1' - 3" | 4' - 0" | 3' - 3" | 1' - 3" | 1.3 | (8) #6 | (6) #5 (Total of 12) |
| CB7G | 2' - 0" | 5' - 0" | 1' - 6" | 4' - 6" | 3' - 9" | 1' - 3" | 1.6 | (8) #6 | (6) #5 (Total of 12) |



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) | ϕ (deg) | Y (lb/ft ³) | c (psf) | Ultimate Bearing (psf) | | Ultimate Skin Friction (psf) | k (pci) | ϵ_{50} |
|-----------------|-----------------|----------------------------|------------|---------------------------|---------------|------------------------------------|------------|-----------------|
| | | | | Shallow Fdns. | Deep Fdns. | | | |
| 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.

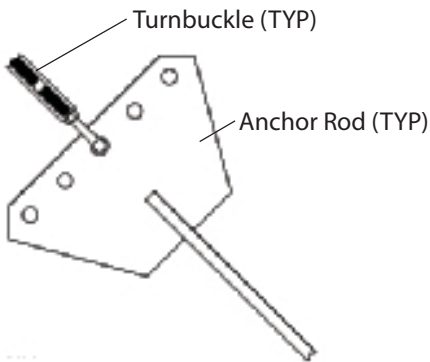
GUY ANCHORS

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.

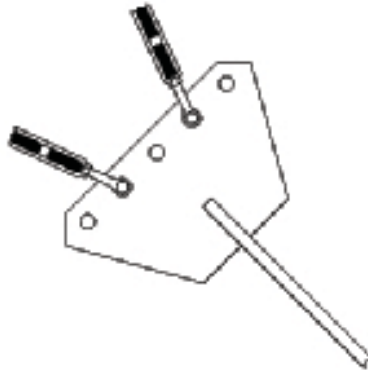
Note: Tolerances in notes 1 & 2 cannot occur simultaneously.



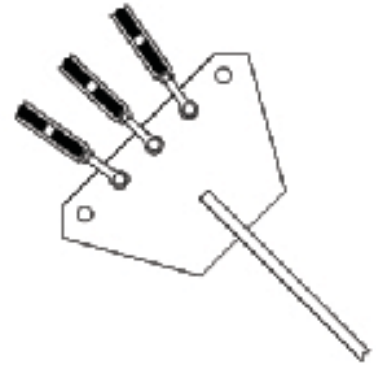
GUY ARRANGEMENT DETAILS



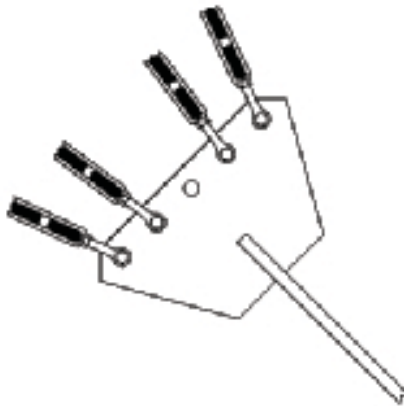
1 Guy Attachment



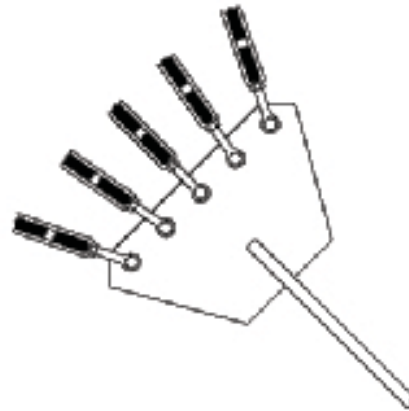
2 Guy Attachment



3 Guy Attachment



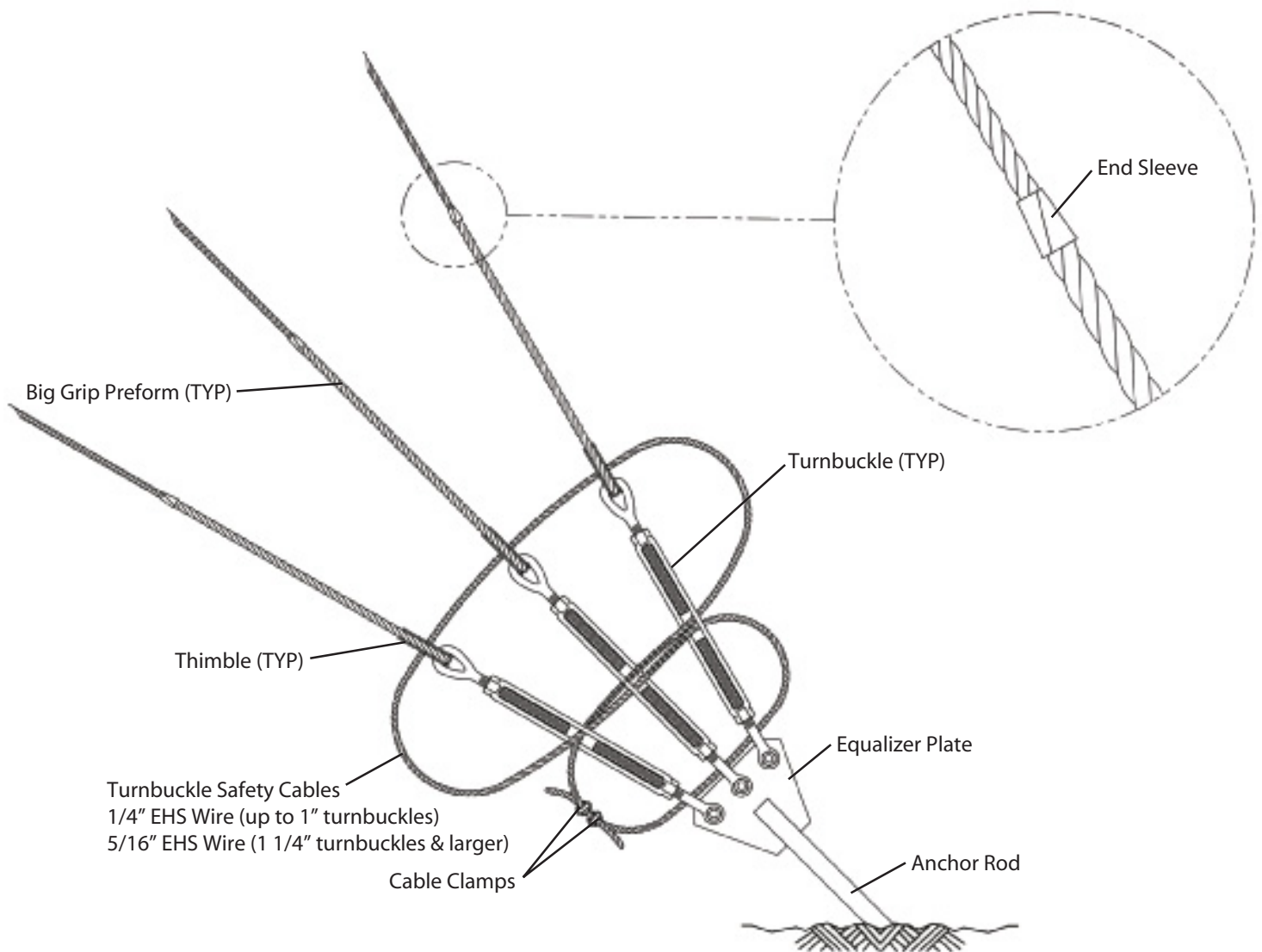
4 Guy Attachment



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 | |
| 1/4EHS | GAC3455TOP | 1/2TBE&J | 3/8THH | BG2144 |
| | GAC5655TOP | 5/8TBE&J | 3/8THH | |
| | GAC5755TOP | 3/4TBE&J | 3/8THH | |
| 5/16EHS | GAC3455TOP | 5/8TBE&J | 7/16THH | BG2146 |
| | GAC5655TOP | 5/8TBE&J | 7/16THH | |
| | GAC5755TOP | 3/4TBE&J | 7/16THH | |
| 3/8EHS | GAC3455TOP | 5/8TBE&J | 1/2THH | BG2174 |
| | GAC5655TOP | 5/8TBE&J | 1/2THH | |
| | GAC5755TOP | 3/4TBE&J | 1/2THH | |

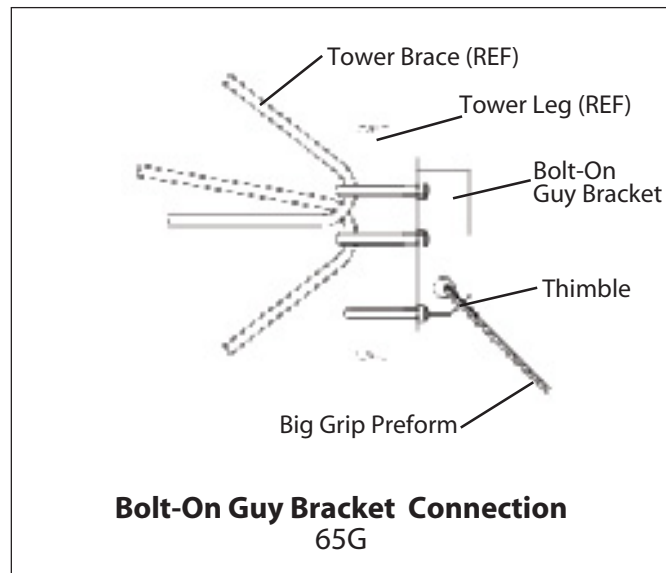
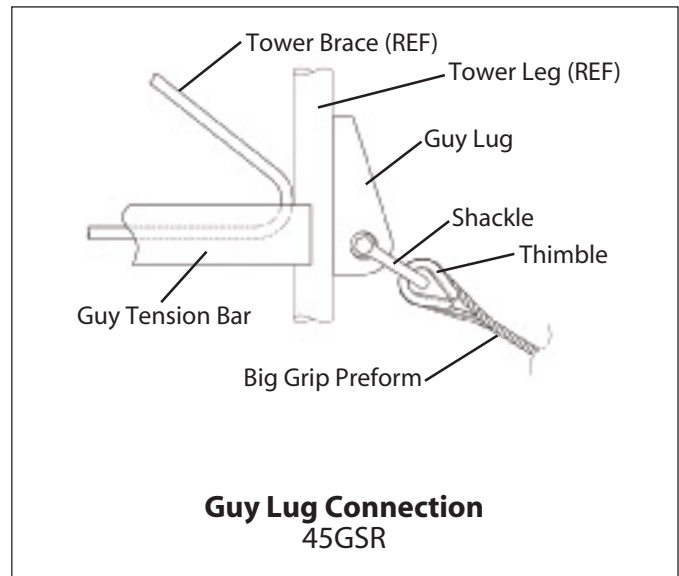
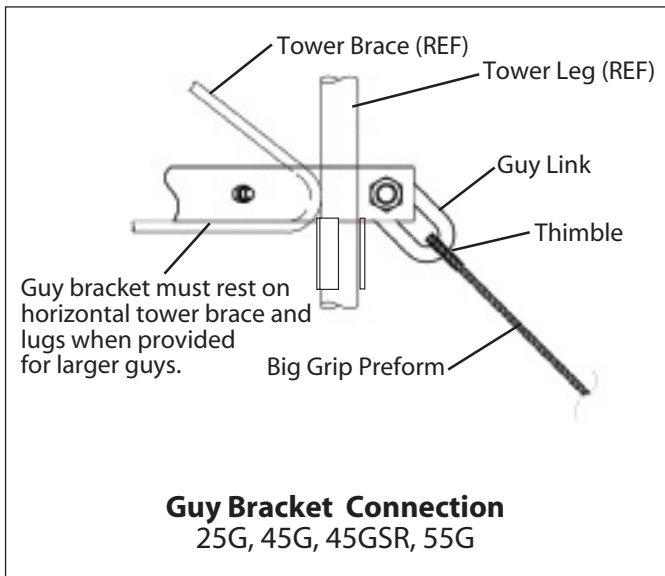
GUY ANCHOR CONNECTION DETAILS



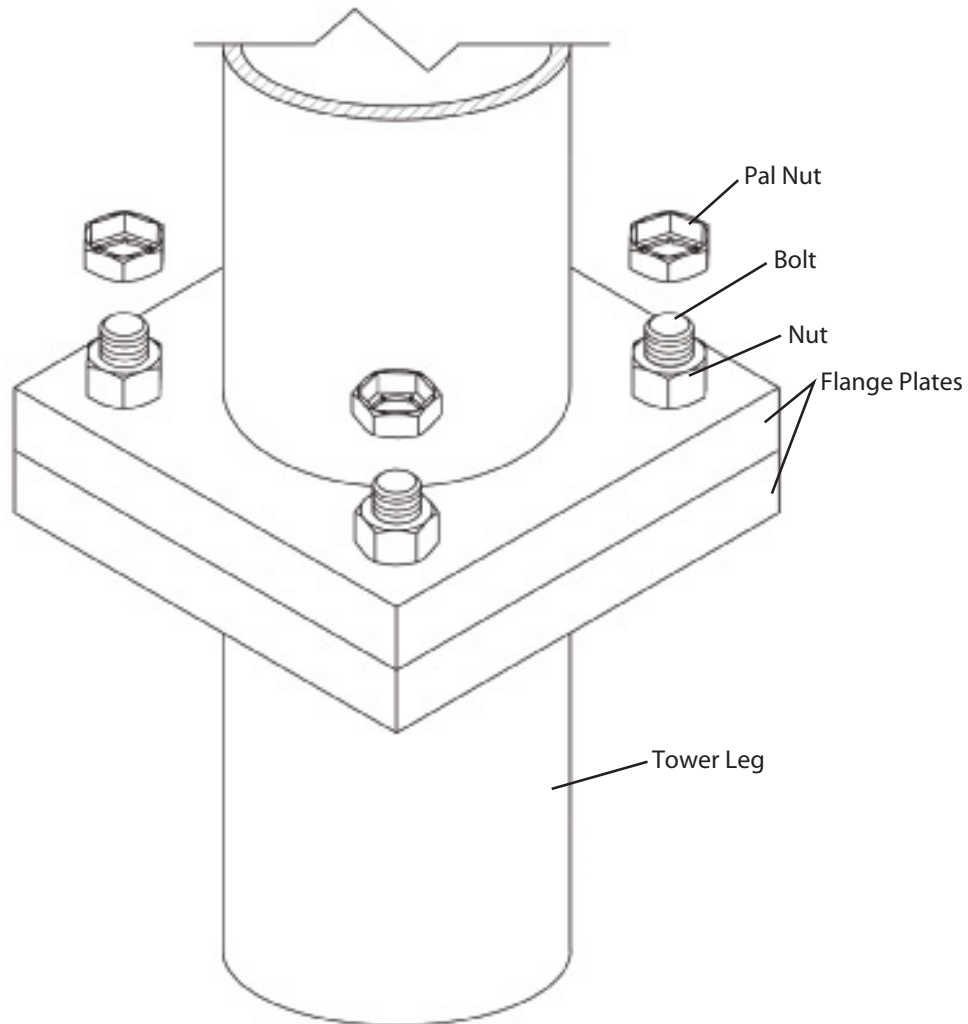
Anchor Connection



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.



STANDARD 80 SERIES GUYED TOWER

80 SERIES

GENERAL USE

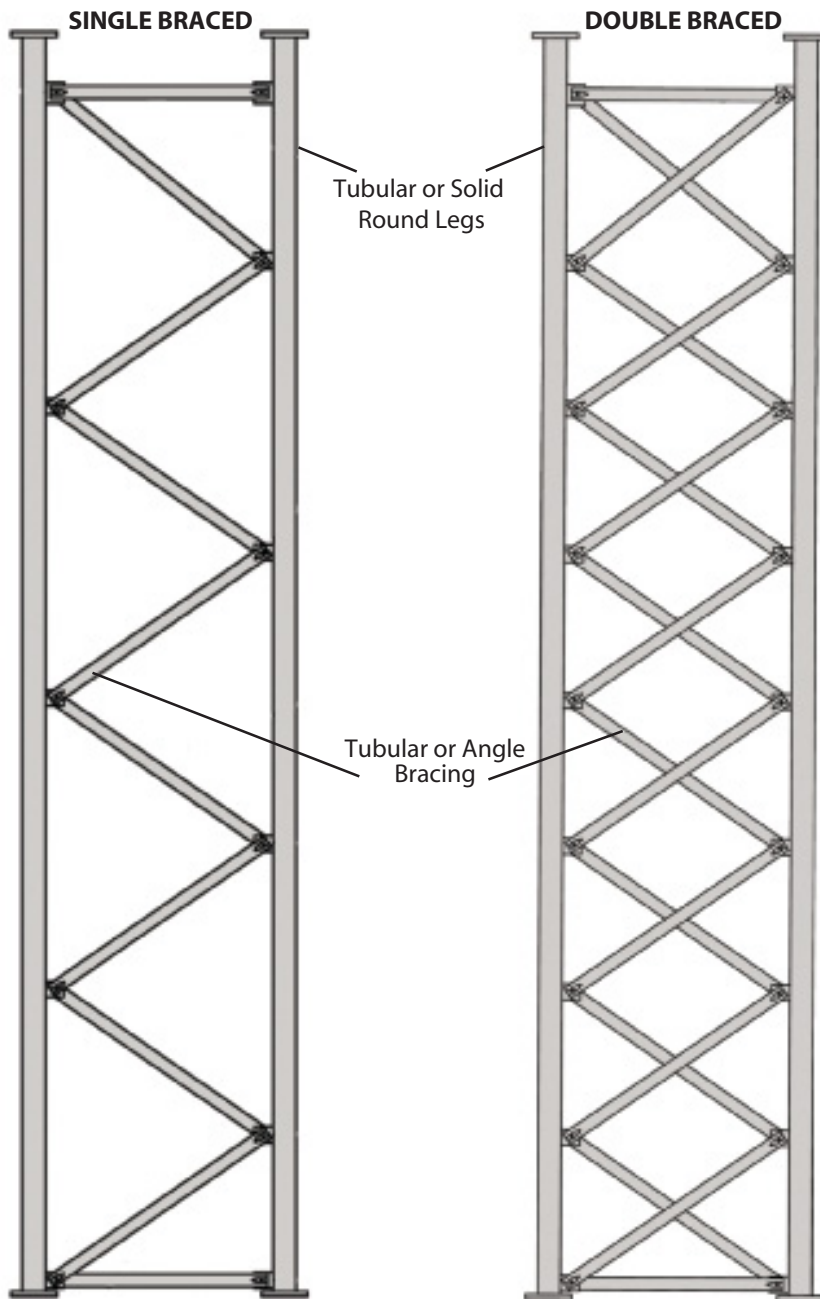
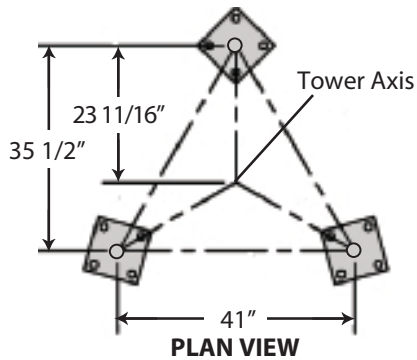
The ROHN Model 80 Guyed Tower is designed with variable sized legs and braces to allow construction to heights of 1000'. This tower uses solid or tubular legs with angle or tubular braces to support microwave, cellular, PCS, AM/FM or TV applications. The tower is designed on an equilateral triangle of 41" center-to-center of each leg. The variable leg and brace sizes allow flexibility in design so a tower can be created specifically for your unique requirements.

FEATURES

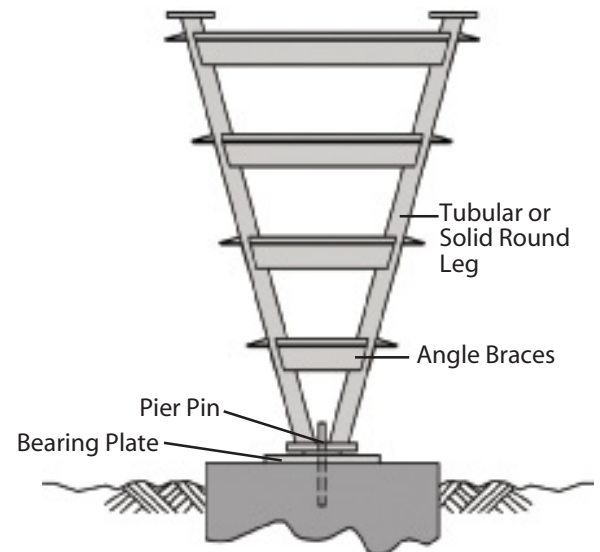
- Solid or Tubular Legs
- Angle or Tubular Braces
- Completely hot-dip galvanized after fabrication
- Easily reinforced for additional loading capability
- Multiple section lengths available
- Guy lug and torque arm sections available

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

STANDARD 80 GUYED TOWER SECTIONS



20' STANDARD SECTION



5' TAPERED BASE

80 Sections have several custom designs available depending on your particular specifications. Sections are available with a variety of different wall thicknesses, bracing patterns and lengths.



STANDARD 90 SERIES GUYED TOWER

90 SERIES

GENERAL USE

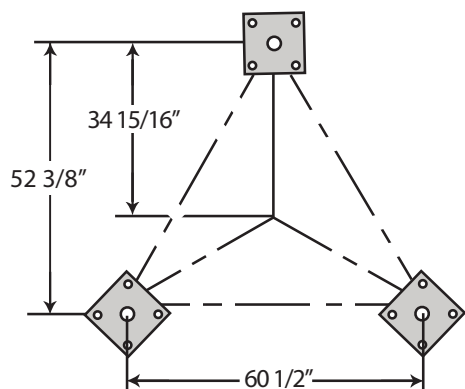
The ROHN Model 90 Guyed tower is designed specifically for microwave installations, cellular, PCS, other heavy duty communication, TV and FM broadcast and meteorological equipment installations. This series has a rating for installations up to 1500', using variable size and weight of tubular or solid steel components. The tower is designed on an equilateral triangle of 60 1/2" center-to-center of each leg. The "X" brace design of the 90 series maximizes strength in critical areas as well as allows for future upgrading of the tower for additional loads.

FEATURES

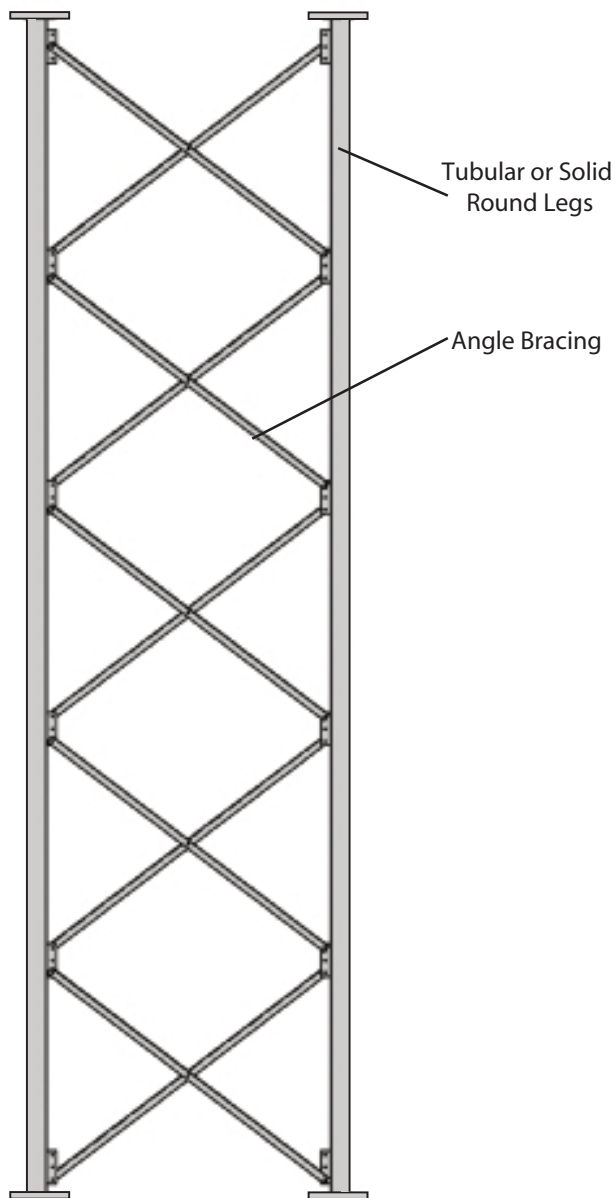
- Solid or Tubular Legs
- Angle Braces
- Completely hot-dip galvanized after fabrication
- Easily reinforced for additional loading capability
- Multiple section lengths available
- Guy lug and torque arm sections available

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

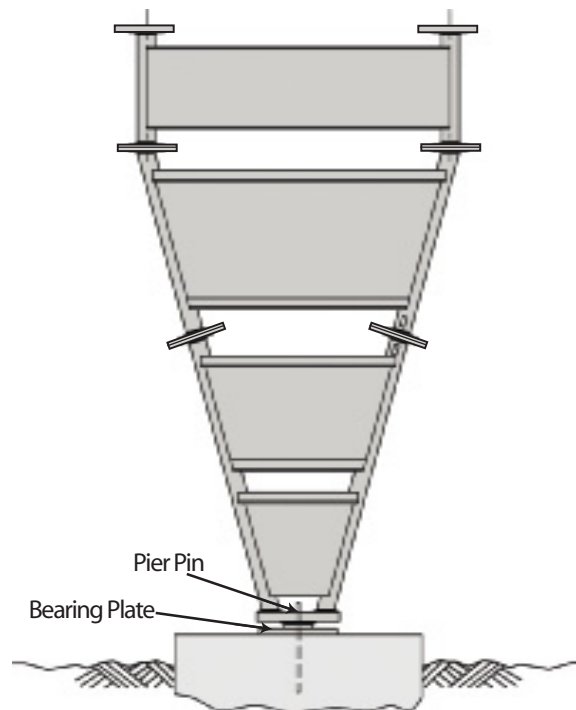
STANDARD 90 GUYED TOWER SECTIONS



Custom designs with larger face widths are available for broadcast and other applications.



ELEVATION
20' STANDARD SECTION



TAPERED BASE
STANDARD - 10'
Also available in 8'

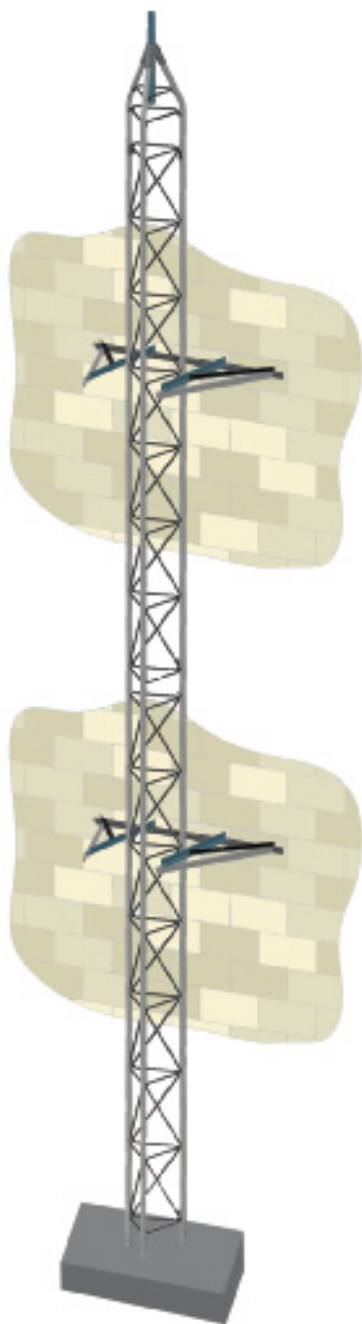
90 Sections have several custom designs available depending on your particular specifications. Sections are available with a variety of different wall thicknesses, bracing patterns and lengths.

NOTES

BRACKETED TOWERS



STANDARD G-SERIES BRACKETED



Typical installation on short base with (2) HBUTVRO brackets.

(Refer to G-Series accessories for short base)

G-SERIES (BRACKETED)

GENERAL USE

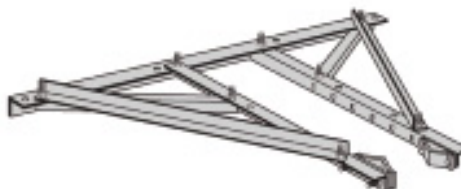
ROHN G-Series Bracketed towers can be installed adjacent to buildings using brackets to secure the tower along the height of the structure.

FEATURES

- Completely hot-dip galvanized after fabrication
- Cross bracing is formed by a continuous solid rod bracing fashioned into a Zig-Zag pattern for strength
- Pre-engineered loading charts to meet varying individual specs and site conditions
- Typical uses include: small dishes, broadband, security and two-way communication.

OPTIONAL ACCESSORY

UNIVERSAL HOUSE BRACKET HBUTVRO



Adjustable to position tower 18" - 36" from wall.

* Per Rev. G requirements, any structure greater than 10' requires a climber safety device. Please see page 209 for ordering information.

25G BRACKETED ALLOWABLE ANTENNA AREAS

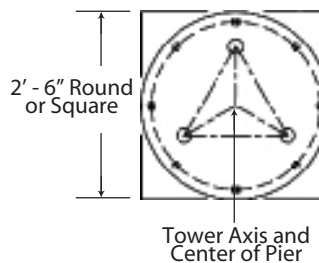
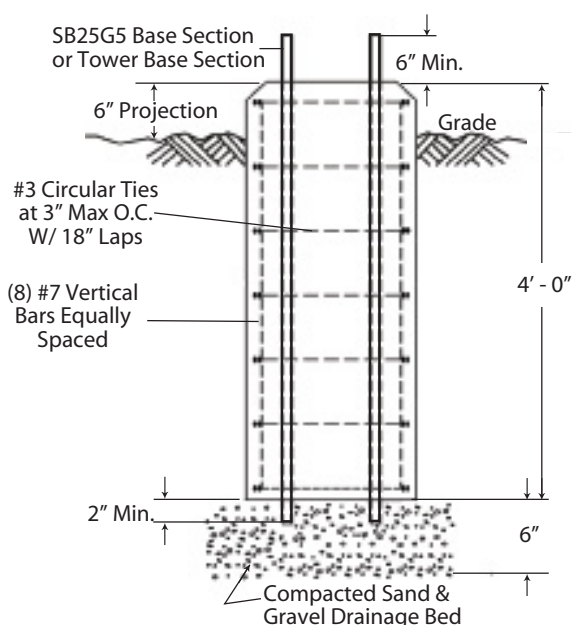
| Tower Height (FT.) | Bracket Elevations | | Allowable Antenna Areas (SQ. FT.) | | |
|-----------------------|--------------------|-------------|-----------------------------------|-------------|--------------|
| | Upper (FT.) | Lower (FT.) | 70 [85] MPH | 80 [95] MPH | 90 [105] MPH |
| 40 | 30.0 | 15.0 | 15.3 | 11.3 | 7.7 |
| 50 | 36.0 | 18.0 | 14.6 | 10.0 | 6.8 |
| 60 | 46.0 | 23.0 | 14.0 | 8.9 | 5.9 |
| 70 | 56.0 | 28.0 | 13.5 | 8.3 | 5.5 |
| 80 | 66.0 | 33.0 | 13.1 | 7.7 | 5.0 |
| 90 | 66.0 | 33.0 | 6.8 | 4.9 | - |
| 100 | 66.0 | 33.0 | 1.7 | - | - |

25G

1. Tower designs are in accordance with ANSI/EIA-222-F. Wind speeds indicated as fastest mile [3-second gust].
2. All towers must have "fixed bases" with both bracket elevations. Pinned bases must not be used.
3. Designs assume one 5/8" transmission line on each face (total=3), symmetrically placed.
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Allowable antenna areas assume all round antenna members.
6. Allowable flat-plate antenna areas, based on EIA RS-222-C, may be obtained by multiplying areas shown by 0.6.
7. All brackets are to be ROHN (P/N HBUTVRO).
8. The interface of tower brackets to supporting structure is to be designed by others and must support a minimum horizontal force of 815 lbs.
9. Foundation designs are in accordance with ANSI/TIA/EIA-222-F, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", Section 7, for "Normal" soil conditions. "Normal" soil is defined as dry, cohesive soil with an allowable net vertical bearing capacity of 4000 PSF and an allowable net horizontal pressure of 400 PSF per linear foot of depth to a maximum of 4000 PSF.

Refer to pages 147-153 for General Installation and Foundation Notes.

FOUNDATION INFORMATION



VOLUME OF CONCRETE

Square Pier = 1.0 cu. yds.
Round Pier = 0.8 cu. yds.

45G BRACKETED ALLOWABLE ANTENNA AREAS

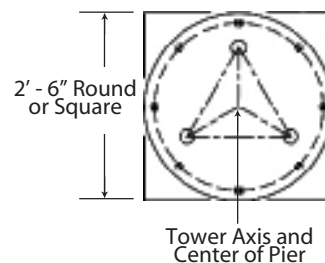
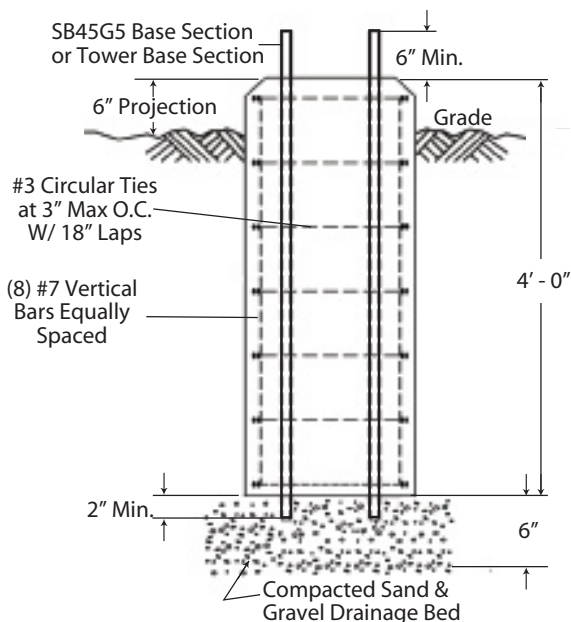
45G

| Tower Height (FT.) | Bracket Elevations | | Allowable Antenna Areas (SQ. FT.) | | |
|-----------------------|--------------------|-------------|-----------------------------------|-------------|--------------|
| | Upper (FT.) | Lower (FT.) | 70 [85] MPH | 80 [95] MPH | 90 [105] MPH |
| 40 | 30.0 | 15.0 | 36.7 | 27.4 | 21.0 |
| 50 | 36.0 | 18.0 | 34.8 | 25.9 | 20.0 |
| 60 | 46.0 | 23.0 | 33.3 | 24.7 | 19.0 |
| 70 | 56.0 | 28.0 | 32.0 | 23.8 | 17.0 |
| 80 | 66.0 | 33.0 | 31.0 | 23.0 | 12.0 |
| 90 | 66.0 | 33.0 | 13.8 | 9.3 | 5.3 |
| 100 | 66.0 | 33.0 | 5.5 | 2.0 | - |

1. Tower designs are in accordance with ANSI/EIA-222-F. Wind speeds indicated as fastest mile [3-second gust].
2. All towers must have "fixed bases" with both bracket elevations. Pinned bases must not be used.
3. Designs assume one 5/8" transmission line on each face (total=3), symmetrically placed.
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Allowable antenna areas assume all round antenna members.
6. Allowable flat-plate antenna areas, based on EIA RS-222-C, may be obtained by multiplying areas shown by 0.6.
7. All brackets are to be ROHN (P/N HBUTVRO).
8. The interface of tower brackets to supporting structure is to be designed by others and must support a minimum horizontal force of 1810 lbs.
9. Foundation designs are in accordance with ANSI/TIA/EIA-222-F, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", Section 7, for "Normal" soil conditions. "Normal" soil is defined as dry, cohesive soil with an allowable net vertical bearing capacity of 4000 PSF and an allowable net horizontal pressure of 400 PSF per linear foot of depth to a maximum of 4000 PSF.

Refer to pages 147-153 for General Installation and Foundation Notes.

FOUNDATION INFORMATION



VOLUME OF CONCRETE

Square Pier = 1.0 cu. yds.
Round Pier = 0.8 cu. yds.

55G BRACKETED ALLOWABLE ANTENNA AREAS

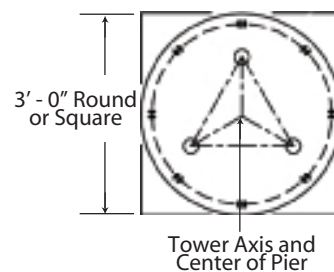
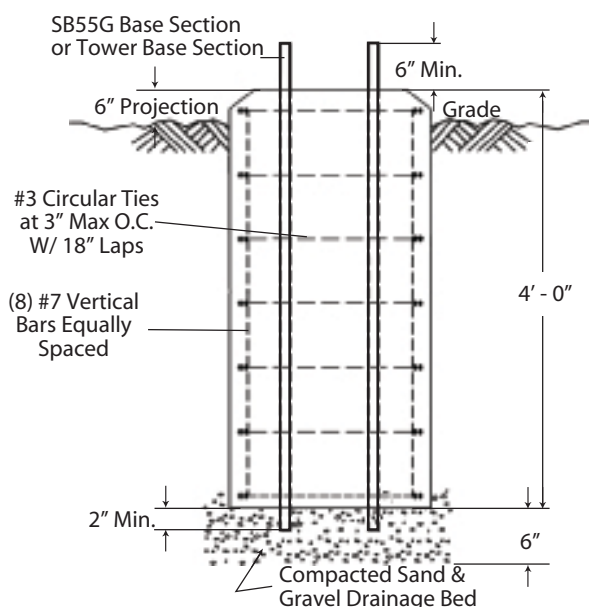
| Tower Height (FT.) | Bracket Elevations | | Allowable Antenna Areas (SQ. FT.) | | |
|-----------------------|--------------------|-------------|-----------------------------------|-------------|--------------|
| | Upper (FT.) | Lower (FT.) | 70 [85] MPH | 80 [95] MPH | 90 [105] MPH |
| 40 | 30.0 | 15.0 | 72.4 | 54.5 | 41.8 |
| 50 | 36.0 | 18.0 | 68.7 | 51.7 | 39.4 |
| 60 | 46.0 | 23.0 | 65.8 | 49.5 | 37.6 |
| 70 | 56.0 | 28.0 | 63.5 | 47.5 | 36.0 |
| 80 | 66.0 | 33.0 | 61.4 | 46.0 | 34.6 |
| 90 | 66.0 | 33.0 | 30.6 | 22.0 | 16.0 |
| 100 | 66.0 | 33.0 | 16.0 | 10.5 | 6.4 |

55G

1. Tower designs are in accordance with ANSI/EIA-222-F. Wind speeds indicated as fastest mile [3-second gust].
2. All towers must have "fixed bases" with both bracket elevations. Pinned bases must not be used.
3. Designs assume one 5/8" transmission line on each face (total=3), symmetrically placed.
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Allowable antenna areas assume all round antenna members.
6. Allowable flat-plate antenna areas, based on EIA RS-222-C, may be obtained by multiplying areas shown by 0.6.
7. All brackets are to be ROHN (P/N HBUTVRO).
8. The interface of tower brackets to supporting structure is to be designed by others and must support a minimum horizontal force of 3200 lbs.
9. Foundation designs are in accordance with ANSI/TIA/EIA-222-F, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", Section 7, for "Normal" soil conditions. "Normal" soil is defined as dry, cohesive soil with an allowable net vertical bearing capacity of 4000 PSF and an allowable net horizontal pressure of 400 PSF per linear foot of depth to a maximum of 4000 PSF.

Refer to pages 147-153 for General Installation and Foundation Notes.

FOUNDATION INFORMATION

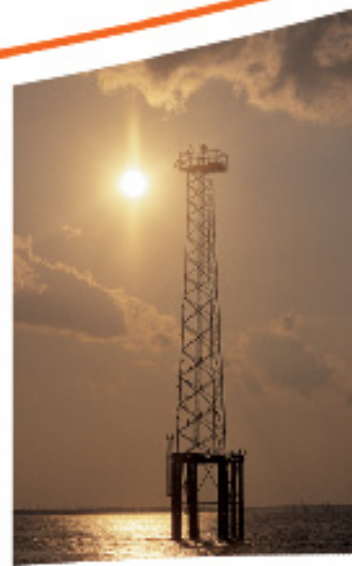


VOLUME OF CONCRETE

| | | |
|-------------|---|--------------|
| Square Pier | = | 1.4 cu. yds. |
| Round Pier | = | 1.1 cu. yds. |

NOTES

SELF-SUPPORTING TOWERS





STANDARD G-SERIES SELF-SUPPORTING



G-SERIES SELF-SUPPORTING

GENERAL USE

The self-supporting G-Series towers offer an easy, low-cost solution to get light weight antennas in the air quickly. By using the G-Series tower as a self-supporting structure, you minimize land area usage. They are functional in a wide variety of wind speeds. See ROHN's standard designs to help identify the right structure for your project. These are the same sturdy, robust tower sections that ROHN has fabricated for years. Each larger model allows for more loading capacity.

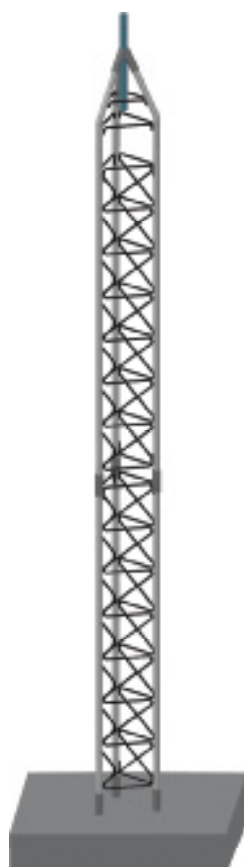
FEATURES

- Completely hot-dip galvanized after fabrication
- Cross bracing is formed by a continuous solid rod bracing fashioned into a zig-zag pattern for strength
- Pre-engineered loading charts meet varying individual specs and site conditions
- Typical uses include: small dishes, broadband, security and two-way communication
- All towers have 'fixed' bases

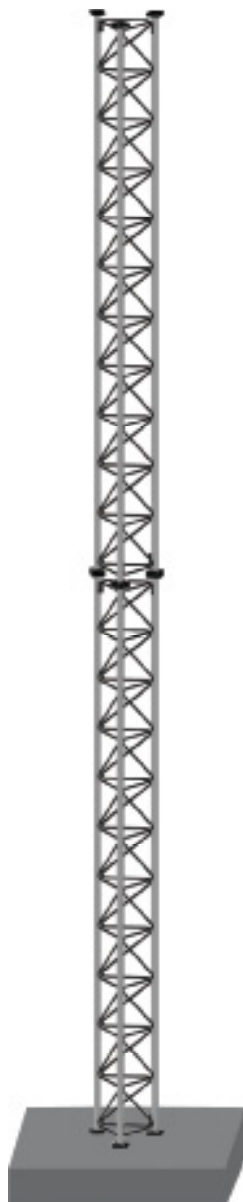
KITS

The kit part numbers for ROHN Self-Supporting G-Series towers include:

- Short base for embedment in concrete
- Grounding optional
- All tower sections and connection hardware
- Tapered top (25G and 45G towers)
- Top plate (55G towers)
- Cap plate kit (65G towers)



Typical Self-Supporting
25G, 45G and 55G Tower
(Tapered top available
for 25G & 45G only)



Typical Self-Supporting
45GSR and 65G Tower

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please see page 209 for ordering information.

G SERIES

REV. F ALLOWABLE ANTENNA AREAS (SQ. FT.)

70 MPH
Fastest Mile

| 70 MPH Fastest Mile Wind Speed - No Ice | | | | | | | | |
|---|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|
| Height | 25G | | 45G | | 55G | | 65G | |
| | FT ² | Part No. | FT ² | Part No. | FT ² | Part No. | FT ² | Part No. |
| 10' | 19.7 | 25SS010 | 42.5 | 45SS010 | 75.0 | 55SS010 | 95.0 | 65SS010 |
| 20' | 14.2 | 25SS020 | 22.0 | 45SS020 | 43.0 | 55SS020 | 95.0 | 65SS020 |
| 30' | 6.4 | 25SS030 | 12.0 | 45SS030 | 26.0 | 55SS030 | 76.2 | 65SS030 |
| 35' | 3.6 | 25SS035 | 8.7 | 45SS035 | 21.9 | 55SS035 | 61.2 | 65SS035 |
| 40' | 1.5 | 25SS040 | 5.1 | 45SS040 | 15.0 | 55SS040 | 48.8 | 65SS040 |
| 45' | | | 2.3 | 45SS045 | 11.4 | 55SS045 | 39.0 | 65SS045 |
| 50' | | | | | 6.5 | 55SS050 | 29.3 | 65SS050 |
| 55' | | | | | 4.0 | 55SS055 | 24.4 | 65SS055 |
| 60' | | | | | 0.8 | 55SS060 | 18.4 | 65SS060 |
| 70' | | | | | | | 8.7 | 65SS070 |
| 80' | | | | | | | 0.9 | 65SS080 |

80 MPH
Fastest Mile

| 80 MPH Fastest Mile Wind Speed - No Ice | | | | | | | | |
|---|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|
| Height | 25G | | 45G | | 55G | | 65G | |
| | FT ² | Part No. | FT ² | Part No. | FT ² | Part No. | FT ² | Part No. |
| 10' | 14.3 | 25SS010 | 30.0 | 45SS010 | 57.0 | 55SS010 | 95.0 | 65SS010 |
| 20' | 9.0 | 25SS020 | 16.0 | 45SS020 | 30.0 | 55SS020 | 85.0 | 65SS020 |
| 30' | 3.7 | 25SS030 | 7.5 | 45SS030 | 17.0 | 55SS030 | 55.8 | 65SS030 |
| 35' | 1.4 | 25SS035 | 4.7 | 45SS035 | 14.5 | 55SS035 | 44.0 | 65SS035 |
| 40' | | | 1.4 | 45SS040 | 8.0 | 55SS040 | 34.1 | 65SS040 |
| 45' | | | | | 5.9 | 55SS045 | 26.2 | 65SS045 |
| 50' | | | | | 1.5 | 55SS050 | 19.7 | 65SS050 |
| 55' | | | | | | | 14.5 | 65SS055 |
| 60' | | | | | | | 9.4 | 65SS060 |
| 70' | | | | | | | 1.3 | 65SS070 |

90 MPH
Fastest Mile

| 90 MPH Fastest Mile Wind Speed - No Ice | | | | | | | | |
|---|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|
| Height | 25G | | 45G | | 55G | | 65G | |
| | FT ² | Part No. | FT ² | Part No. | FT ² | Part No. | FT ² | Part No. |
| 10' | 10.5 | 25SS010 | 25.0 | 45SS010 | 45.0 | 55SS010 | 95.0 | 65SS010 |
| 20' | 6.9 | 25SS020 | 11.0 | 45SS020 | 23.0 | 55SS020 | 65.0 | 65SS020 |
| 30' | 1.7 | 25SS030 | 4.0 | 45SS030 | 12.0 | 55SS030 | 40.0 | 65SS030 |
| 35' | | | 1.9 | 45SS035 | 9.4 | 55SS035 | 32.2 | 65SS035 |
| 40' | | | | | 4.0 | 55SS040 | 24.1 | 65SS040 |
| 45' | | | | | 2.2 | 55SS045 | 17.7 | 65SS045 |
| 50' | | | | | | | 14.5 | 65SS050 |
| 55' | | | | | | | 7.7 | 65SS055 |
| 60' | | | | | | | 3.3 | 65SS060 |

NO ICE

Note: Antenna areas, ft.², assume all round antenna members.

**G SERIES****REV. G EFFECTIVE PROJECTED AREA (SQ. FT.)****90 MPH**
3-Second Gust

| 90 MPH 3-Second Gust Wind Speed | | | | | | | | | | | | | | | |
|---------------------------------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|
| Height | 25G | | | 45G | | | 45GSR | | | 55G | | | 65G | | |
| | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. |
| | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | |
| 10' | 26.8 | 21.3 | 25SS010 | 60.0 | 47.5 | 45SS010 | 95 | 84 | 45SR010 | 80 | 79 | 55SS010 | 95 | 95 | 65SS010 |
| 20' | 18.5 | 13.4 | 25SS020 | 31.3 | 22.7 | 45SS020 | 95 | 71 | 45SR020 | 56 | 42 | 55SS020 | 95 | 95 | 65SS020 |
| 30' | 7.9 | 4.1 | 25SS030 | 16.1 | 8.4 | 45SS030 | 87 | 58 | 45SR030 | 34 | 21 | 55SS030 | 95 | 71 | 65SS030 |
| 35' | 4.4 | 1.2 | 25SS035 | 9.8 | 3.8 | 45SS035 | 76 | 52 | 45SR035 | 25 | 14 | 55SS035 | 80 | 54 | 65SS035 |
| 40' | 1.3 | - | 25SS040 | 4.9 | - | 45SS040 | 60 | 40 | 45SR040 | 17 | 8 | 55SS040 | 62 | 41 | 65SS040 |
| 45' | | | | 0.7 | - | 45SS045 | 48 | 31 | 45SR045 | 11 | 3 | 55SS045 | 48 | 30 | 65SS045 |
| 50' | | | | | | | 38 | 23 | 45SR050 | 5 | - | 55SS050 | 37 | 21 | 65SS050 |
| 55' | | | | | | | 29 | 16 | 45SR055 | | | | 28 | 14 | 65SS055 |
| 60' | | | | | | | 22 | 11 | 45SR060 | | | | 20 | 7 | 65SS060 |

100 MPH
3-Second Gust

| 100 MPH 3-Second Gust Wind Speed | | | | | | | | | | | | | | | |
|----------------------------------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|
| Height | 25G | | | 45G | | | 45GSR | | | 55G | | | 65G | | |
| | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. |
| | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | |
| 10' | 20.7 | 16.4 | 25SS010 | 47.4 | 39.5 | 45SS010 | 82 | 66 | 45SR010 | 78 | 63 | 55SS010 | 95 | 95 | 65SS010 |
| 20' | 14.0 | 9.9 | 25SS020 | 23.2 | 16.9 | 45SS020 | 74 | 55 | 45SR020 | 43 | 32 | 55SS020 | 95 | 95 | 65SS020 |
| 30' | 5.3 | 2.2 | 25SS030 | 9.7 | 4.8 | 45SS030 | 66 | 43 | 45SR030 | 24 | 14 | 55SS030 | 81 | 55 | 65SS030 |
| 35' | 2.1 | - | 25SS035 | 5.1 | 0.7 | 45SS035 | 59 | 38 | 45SR035 | 17 | 8 | 55SS035 | 61 | 40 | 65SS035 |
| 40' | | | | 1.2 | - | 45SS040 | 46 | 30 | 45SR040 | 10 | 3 | 55SS040 | 47 | 29 | 65SS040 |
| 45' | | | | | | | 35 | 22 | 45SR045 | 5 | - | 55SS045 | 35 | 20 | 65SS045 |
| 50' | | | | | | | 27 | 15 | 45SR050 | | | | 26 | 13 | 65SS050 |
| 55' | | | | | | | 20 | 9 | 45SR055 | | | | 17 | 6 | 65SS055 |
| 60' | | | | | | | 13 | 4 | 45SR060 | | | | 11 | 1 | 65SS060 |

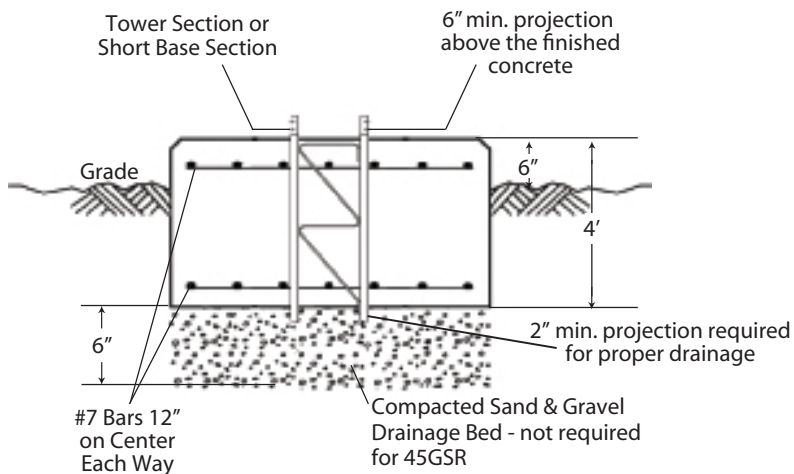
110 MPH
3-Second Gust

| 110 MPH 3-Second Gust Wind Speed | | | | | | | | | | | | | | | |
|----------------------------------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|
| Height | 25G | | | 45G | | | 45GSR | | | 55G | | | 65G | | |
| | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. | EPA | | Part No. |
| | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | | Exp. B | Exp. C | |
| 10' | 16.5 | 12.7 | 25SS010 | 39.4 | 31.9 | 45SS010 | 67 | 53 | 45SR010 | 63 | 51 | 55SS010 | 95 | 95 | 65SS010 |
| 20' | 10.6 | 7.2 | 25SS020 | 18.3 | 12.3 | 45SS020 | 59 | 43 | 45SR020 | 34 | 25 | 55SS020 | 95 | 81 | 65SS020 |
| 30' | 3.1 | 0.4 | 25SS030 | 6.5 | 1.9 | 45SS030 | 51 | 32 | 45SR030 | 17 | 9 | 55SS030 | 65 | 43 | 65SS030 |
| 35' | | | | 1.7 | - | 45SS035 | 45 | 27 | 45SR035 | 11 | 4 | 55SS035 | 48 | 30 | 65SS035 |
| 40' | | | | | | | 35 | 22 | 45SR040 | 5 | - | 55SS040 | 35 | 21 | 65SS040 |
| 45' | | | | | | | 26 | 15 | 45SR045 | | | | 25 | 13 | 65SS045 |
| 50' | | | | | | | 19 | 9 | 45SR050 | | | | 17 | 7 | 65SS050 |
| 55' | | | | | | | 13 | 4 | 45SR055 | | | | 10 | - | 65SS055 |
| 60' | | | | | | | 7 | - | 45SR060 | | | | 4 | - | 65SS060 |

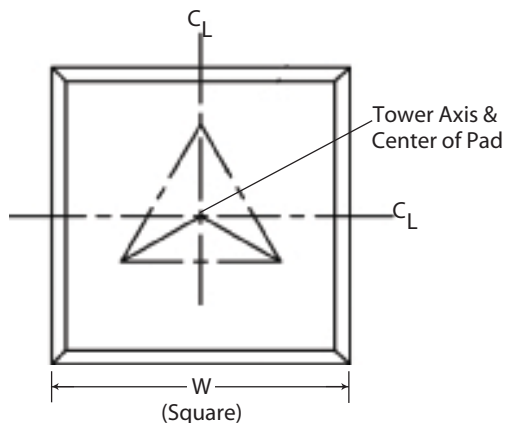
Note: Antenna areas, ft.², assume all round antenna members.

NOICE

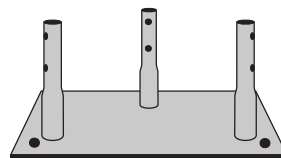
SELF-SUPPORTING G-SERIES FOUNDATIONS



ELEVATION VIEW
25G (shown), 45G & 55G
SELF-SUPPORTING TOWER FOUNDATION



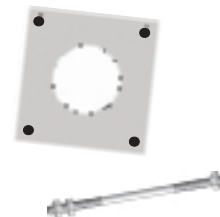
PLAN VIEW



CONCRETE BASE PLATE WITH ANCHORS
25GSSB

FOR USE WITH SELF-SUPPORTING 25G TOWERS.

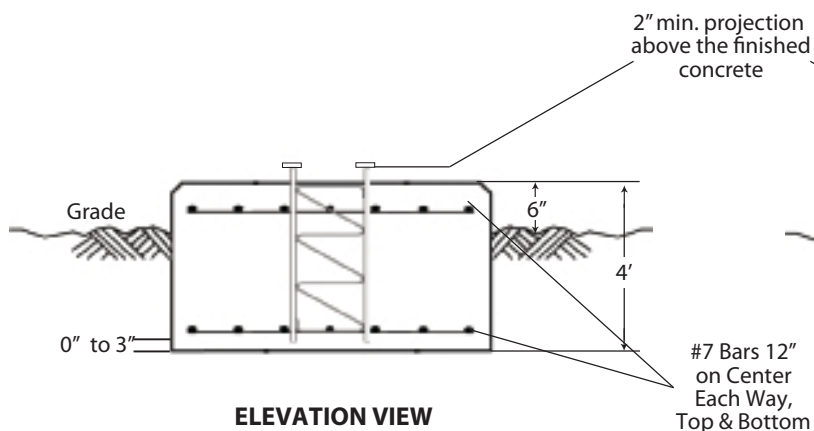
ALTERNATIVE TO USING SHORT BASE.
BASE BOLTS & TEMPLATE MUST BE ORDERED SEPARATELY.



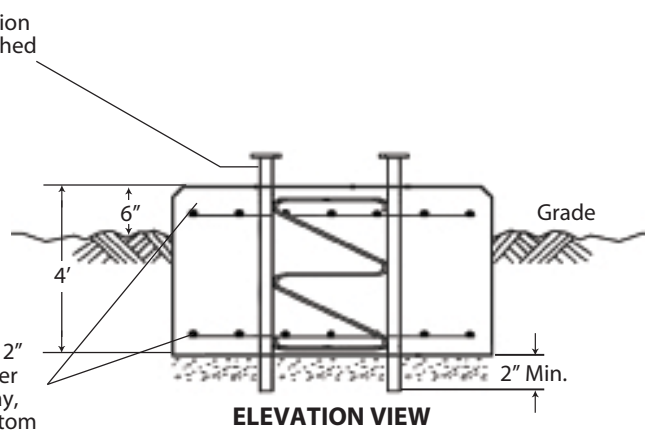
BASE BOLTS & TEMPLATE
KH8175A

FOR USE WITH 25GSSB IN SELF-SUPPORTING 25G TOWER APPLICATIONS. KIT INCLUDES (1) TEMPLATE & (4) BASE BOLTS.

| Tower | Mat Width (W) | Concrete Volume (Cu. Yds.) |
|--------------|---------------|----------------------------|
| 25G | 4' - 0" | 2.4 |
| 45G | 5' - 3" | 4.1 |
| 55G | 6' - 0" | 5.3 |
| 45GSR 65G | 7' - 9" | 8.9 |



ELEVATION VIEW
45GSR
SELF-SUPPORTING TOWER FOUNDATION



ELEVATION VIEW
65G
SELF-SUPPORTING TOWER FOUNDATION



SELF-SUPPORTING G-SERIES DESIGN NOTES

1. Tower designs are in accordance with approved national standard ANSI/EIA-222-F and ANSI/TIA-222G, Structure Class I, Exposures B and C, Topographic Category I.
2. All towers must have "fixed" bases. Pinned bases may not be used.
3. Designs assume transmission lines symmetrically placed as follows:
 - 25G Tower - One 5/8" Line on each face (Total =3)
 - 45G Tower - One 7/8" Line and one 1/2" line on each face (Total = 3 @ 7/8" & 3 @ 1/2")
 - 55G & 65G Towers - Two 7/8" Lines on each face (Total =6)
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Rev F tabulated allowable antenna areas assume all round antenna members.
6. Allowable flat-plate antenna areas, based on EIA RS-222-C, may be obtained by multiplying Rev. F Antenna areas shown by 0.6.
7. Standard foundation designs are based on Rev. F normal soil and Rev. G presumptive clay soil parameters.

Refer to pages 147-153 for General Installation and Foundation Notes.

NOTES



STANDARD 65G SELF-SUPPORTING CAMERA TOWERS (all-welded)

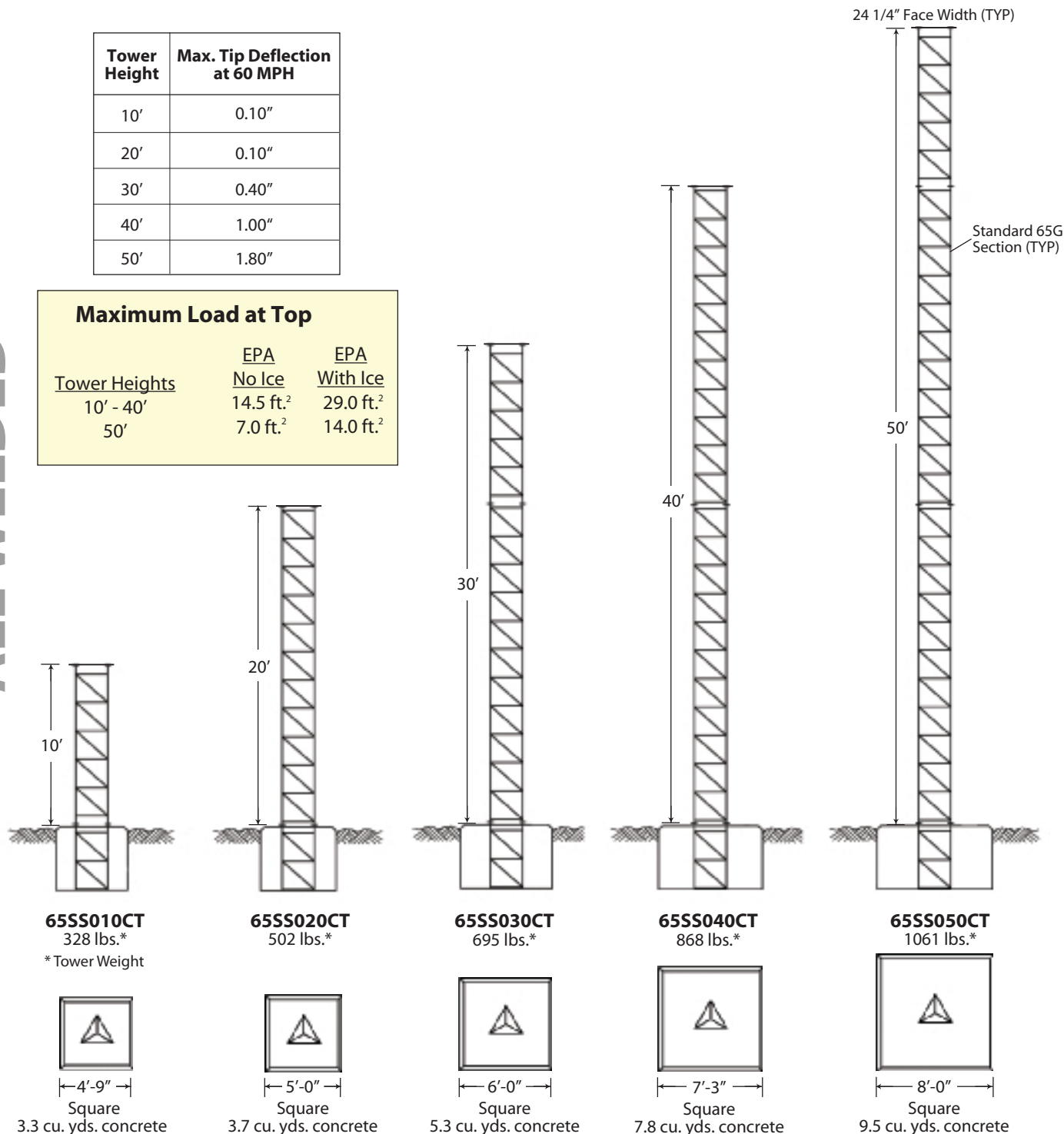
REV. G: 110 MPH 3-SEC GUST WIND SPEED (NO ICE),
40 MPH 3-SEC GUST WIND SPEED (3/4" ICE),
CLASS II, EXPOSURE C, TOPO CATEGORY 1
SEISMIC COEFFICIENT $S_s \leq 1.0$

| Tower Height | Max. Tip Deflection at 60 MPH |
|--------------|-------------------------------|
| 10' | 0.10" |
| 20' | 0.10" |
| 30' | 0.40" |
| 40' | 1.00" |
| 50' | 1.80" |

Maximum Load at Top

| Tower Heights | EPA No Ice | EPA With Ice |
|---------------|-----------------------|-----------------------|
| 10' - 40' | 14.5 ft. ² | 29.0 ft. ² |
| 50' | 7.0 ft. ² | 14.0 ft. ² |

ALL WELDED

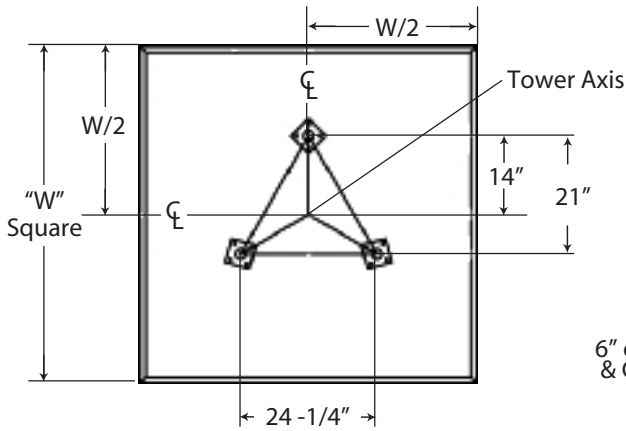


Includes short base section, tower sections, Rev G grounding material and 3/16" top mounting plate with attachment hardware.

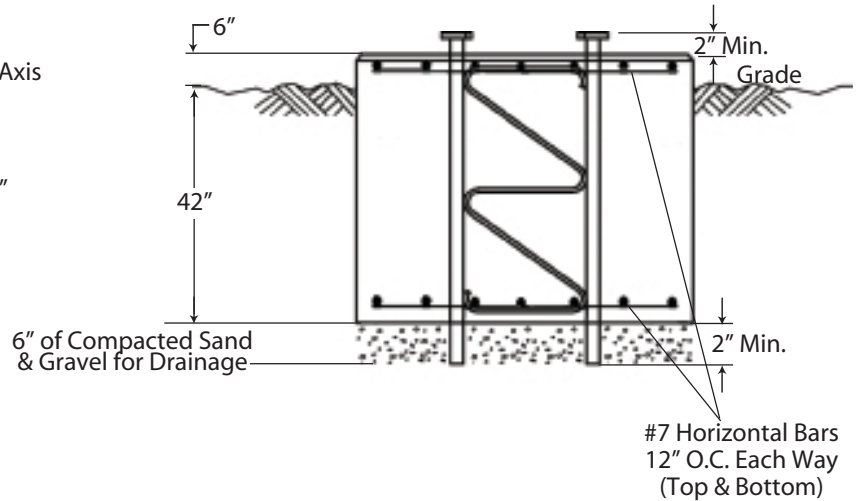
Per Rev. G requirements, any structure greater than 10' requires a climber safety device.

Please see page 173 for ordering information.


65G CAMERA TOWERS STANDARD FOUNDATION DETAILS



See tower elevation page for "W" dimension.



ACCESSORIES

| | | | |
|---|---|--|--|
|  <p>ANTI-CLIMB PANELS VW915A ORDERED SEPARATELY</p> |  <p>CLIMBING HARNESS TTFBH-4D JOURNEYMAN HARNESS TTFBH-C/P PROFESSIONAL HARNESS</p> |  <p>SAFETY CABLE SLIDER WITH CARABINEER TT-WG-500-W/SMC</p> | <p>SAFETY CABLE SYSTEM TT05065 FITS ALL TOWER HEIGHTS</p> |
|---|---|--|--|

GENERAL NOTES

1. Tower designs are in accordance with ANSI/TIA/222-G.
2. Camera and mount assumed symmetrically placed at tower top.
3. Tower design assumes one 7/8" line on each tower face.
4. Assembly drawings and standard foundation details are provided with the tower.
5. Standard foundation illustrated is for general information only and is based on Rev G presumptive clay soil parameters.



STANDARD VG SELF-SUPPORTING CAMERA TOWERS (field bolted)

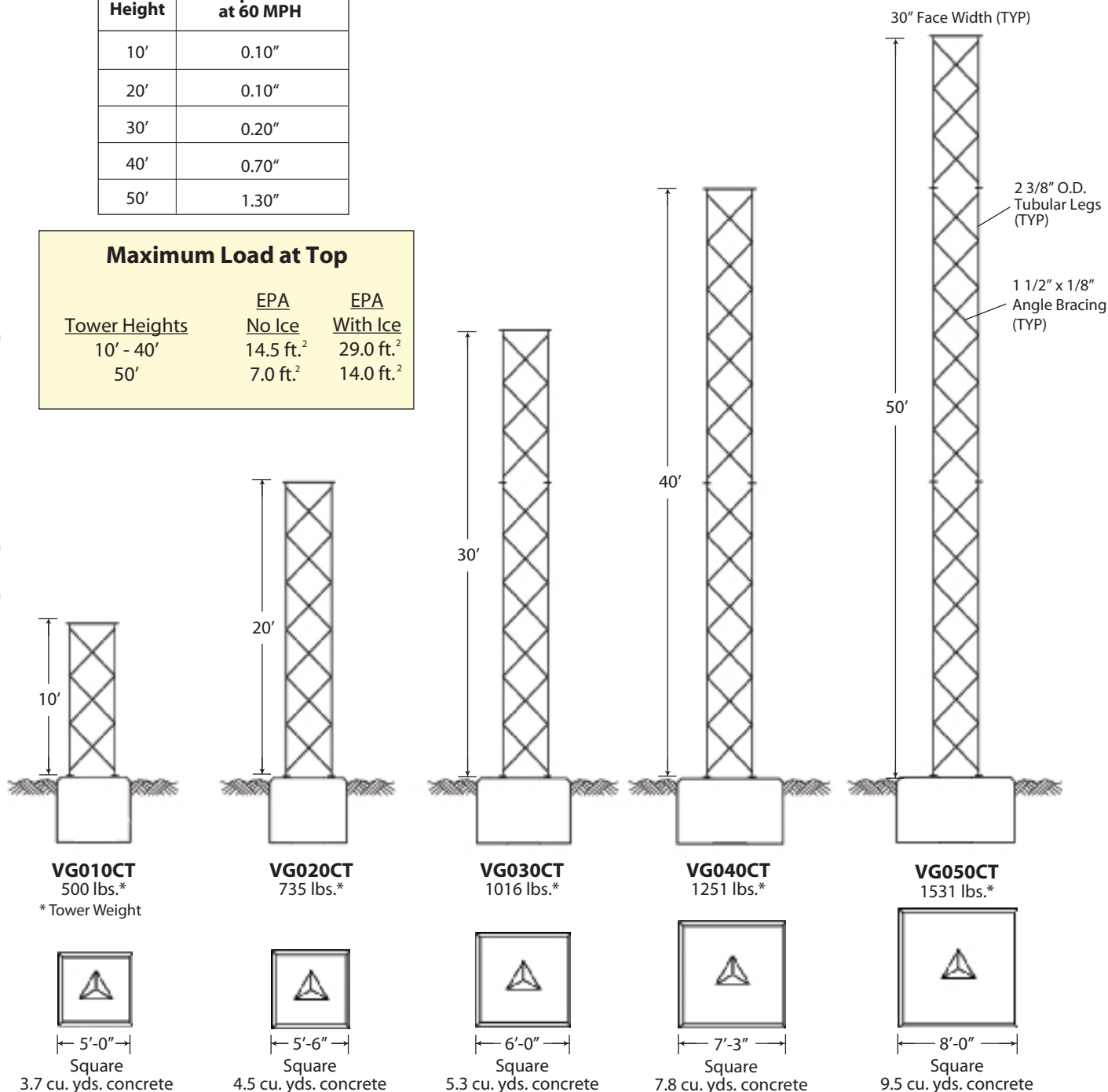
REV. G: 110 MPH 3-SEC GUST WIND SPEED (NO ICE),
40 MPH 3-SEC GUST WIND SPEED (3/4" ICE),
CLASS II, EXPOSURE C, TOPO CATEGORY 1
SEISMIC COEFFICIENT $S_s \leq 1.0$

| Tower Height | Max. Tip Deflection at 60 MPH |
|--------------|-------------------------------|
| 10' | 0.10" |
| 20' | 0.10" |
| 30' | 0.20" |
| 40' | 0.70" |
| 50' | 1.30" |

Maximum Load at Top

| Tower Heights | EPA No Ice | EPA With Ice |
|---------------|-----------------------|-----------------------|
| 10' - 40' | 14.5 ft. ² | 29.0 ft. ² |
| 50' | 7.0 ft. ² | 14.0 ft. ² |

KNOCKED DOWN

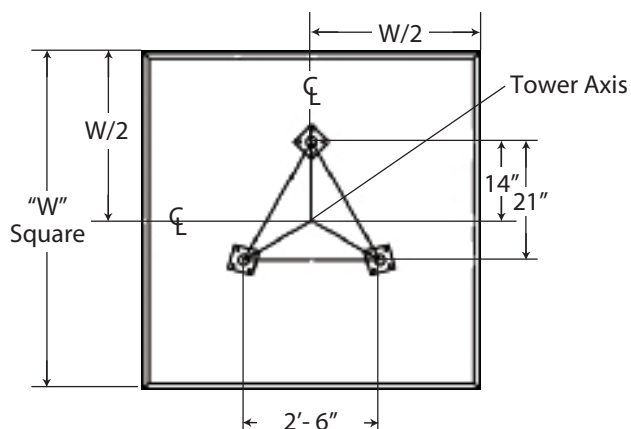


Includes anchor bolts, templates, tower sections, Rev G grounding material, 1/2" top mounting plate with attachment hardware and step bolts.

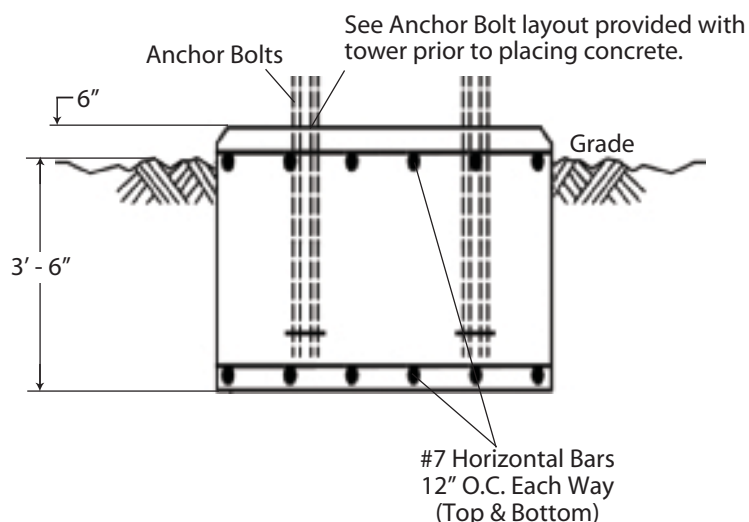
Per Rev. G requirements, any structure greater than 10' requires a climber safety device.

See page 175 for ordering information.

VG CAMERA TOWERS STANDARD FOUNDATION DETAILS



See tower elevation page for "W" dimensions.



ACCESSORIES

| | | | |
|---|---|--|---|
|  <p>ANTI-CLIMB PANELS VW917A ORDERED SEPARATELY</p> |  <p>CLIMBING HARNESS TTFBH-4D JOURNEYMAN HARNESS TTFBH-C/P PROFESSIONAL HARNESS</p> |  <p>SAFETY CABLE SLIDER WITH CARABINEER TT-WG-500-W/SMC</p> | <p>SAFETY CABLE SYSTEM TT050SSL FITS ALL TOWER HEIGHTS</p> |
|---|---|--|---|

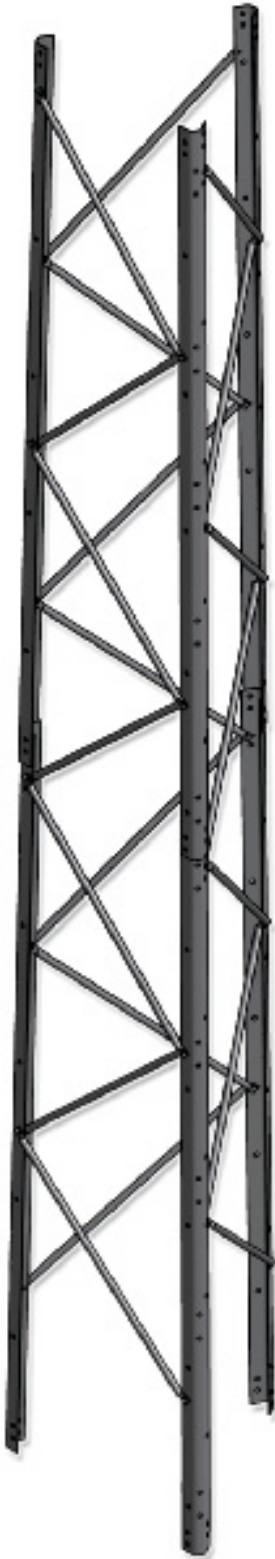
GENERAL NOTES

1. Tower designs are in accordance with ANSI/TIA/222-G.
2. Camera and mount assumed symmetrically placed at tower top.
3. Tower design assumes one 7/8" line on each tower face.
4. Assembly drawings and standard foundation details are provided with the tower.
5. Standard foundation illustrated is for general information only and is based on Rev G presumptive clay soil parameters.

Refer to pages 147-153 for Foundation General Notes.



STANDARD RSL SELF-SUPPORTING TOWERS (field bolted)



The all new RSL
COMPLETELY REDESIGNED

GENERAL USE

The ROHN RSL is a light weight self-supporting tower designed for use in broadband, public safety and security applications. The RSL reaches above line-of-site obstacles such as tree tops, hilly terrain and buildings. The RSL is shipped knocked down to reduce shipping cost and time.

FEATURES

- Available in heights from 20' up to 100'
- U-shaped legs allows for simple lap splice connection
- Available in standard and heavy models
- Pre-punched holes for attachment of safety climb systems, mounting kits, etc.
- Braces for each section are the same length, while bolt lengths are standard throughout the tower
- Tower material is hot-dip galvanized
- Assembly drawings provided with tower
- Top closing angle standard with each tower package

Optional items are available and may be ordered separately:

- Step Bolts
- Safety Climbing System*
- Top Post
- Anti-Climb Brackets
- Multiple Mounting Kits
- Grounding kit
- Top Plate
- Accessory Shelf
- Waveguide Brackets
- Lightning Rod

For more information, please visit
our website: www.rohnnet.com

**Per Rev G requirements, any structure greater than 10'
requires a climber safety device.*

ORDERING INFO

1. Foundation bases must be ordered separately.
2. All accessories must be ordered separately including step bolt kits, safety climb systems, climbing harness with slider, grounding kits, lightning rods, top plate, top mast, mounting kits, W/G brackets, anti-climb assemblies, etc.
3. ROHN standard RSL tower kits are supplied with lock washers as nut locking devices. Pal nuts (P), anco nuts (A) and tri-loc nuts (T) are alternative nut locking devices that may be obtained by adding the indicated suffix to the standard RSL tower kit Part Number. (Note: nut locking devices are required in accordance with ANSI/TIA-222-G.) *Example: RSL100L10A for Anco Nuts.*
4. All three tower legs in each section have provision to install step bolts and a safety climb system. When step bolts are desired, one step bolt kit must be ordered for each section of the tower. Increase the number of step bolt kits accordingly when step bolts are desired on more than one tower leg of a section.

DESIGN NOTES

1. The suitability of a ROHN standard RSL tower kit and standard foundation for a specific application must be verified by the purchaser based on site-specific data in accordance with the ANSI/TIA-222-G Standard. All users are solely responsible for the installation, use, maintenance, inspection and other work and the compliance with all local, state and federal requirements.
2. The allowable Effective Projected Areas (EPA) tabulated for the standard RSL tower kits represent the summation of the projected areas of all antennas, mounts and accessories multiplied by appropriate drag factors. The tabulated EPA values are in addition to the loading from a 3/8 inch diameter safety cable assumed to be mounted to each standard tower. The tabulated EPA values are for a no-ice condition. For design purposes, the tabulated EPA values have been increased 75% when investigating extreme ice loading conditions.
3. The tabulated EPA values apply to towers located on sites with level grade (ANSI/TIA-222-G Topographic Category 1). Lower EPA values than tabulated would apply for roof mounted towers or for towers located on sites with unusual terrain. Contact ROHN for site-specific design limitations.
4. The RSL standard designs are based on one 1/2 inch transmission line for each 10 square feet of EPA up to a maximum of 6 lines unless otherwise noted. All lines are assumed to be symmetrically mounted on the tower faces adjacent to a leg.
5. The total weight of all antennas and mounts associated with the tabulated EPA values is assumed to equal 500 pounds for the no-ice condition and 1000 pounds for the extreme ice condition.
6. The tabulated EPA values assume the associated antennas and appurtenances are symmetrically mounted unless otherwise noted. Eccentric loading may increase member forces and may require a reduction of the tabulated EPA values. Mounting arrangements are assumed to be appropriate for the supporting members utilized. Contact ROHN if assistance is needed in determining the adequacy of a specific RSL tower kit for site-specific loading conditions.
7. The RSL standard top mast is designed to support a maximum EPA of 5 square feet with 100 pounds vertical load. Other optional top mounts are available upon request. All other loading is assumed to be mounted to the tower below the top mast.
8. The standard RSL tower kits that include dish loading criteria meet ANSI/TIA-222-G twist and sway requirements for a 6 GHz dish frequency. All dishes are assumed to be face mounted. Contact ROHN for assistance with higher frequency or other mounting arrangement applications.

| | | | | |
|-------------|------|------------------|-----------------|------------|
| | R1 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 21" |
| | R2 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 24" |
| | R3 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 27" |
| | R4 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 30" |
| | R5 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 33" |
| | R6 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 36" |
| | R7 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 39" |
| | R8H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 42" |
| | R9H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 45" |
| | R10H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 48" |
| SECTION P/N | LEGS | BRACES | | FACE WIDTH |

| RSL TOWER DESIGN LOADING ACCORDING TO ANSI/TIA-222-G | | | | | | | | |
|---|------------|------------------|--|-----|-----|-----|-----|-----|
| STRUCTURE CLASSIFICATION = I EXPOSURE CATEGORY = B TOPOGRAPHIC CATEGORY = 1 | | | | | | | | |
| HEIGHT (FT) | SECTIONS | TOWER KIT P/N | ALLOWABLE EFFECTIVE PROJECTED AREA (FT ²) | | | | | |
| | | | 3-SECOND GUST WIND SPEED (MPH) | | | | | |
| | | | 90 | 100 | 110 | 120 | 130 | 140 |
| 100 | R1 - R10H | RSL100L10 | 25 | 11 | - | - | - | - |
| 90 | R1 - R9H | RSL90L19 | 31 | 20 | 10 | - | - | - |
| | R2 - R10H | RSL90L20 | 39 | 23 | 12 | 4 | - | - |
| 80 | R1 - R8H | RSL80L18 | 34 | 21 | 12 | 4 | - | - |
| | R2 - R9H | RSL80L29 | 49 | 34 | 22 | 10 | - | - |
| | R3 - R10H | RSL80L30 | 56 | 38 | 25 | 14 | 4 | - |
| 70 | R1 - R7 | RSL70L17 | 40 | 27 | 17 | 9 | - | - |
| | R2 - R8H | RSL70L28 | 52 | 37 | 25 | 13 | - | - |
| | R3 - R9H | RSL70L39 | 74 | 52 | 32 | 19 | 8 | - |
| | R4 - R10H | RSL70L40 | 80 | 56 | 38 | 24 | 13 | 5 |
| 60 | R1 - R6 | RSL60L16 | 59 | 42 | 30 | 21 | 12 | - |
| | R4 - R9H | RSL60L49 | 80 | 62 | 42 | 28 | 17 | 9 |
| | R5 - R10H | RSL60L50 | 80 | 67 | 48 | 34 | 24 | 15 |
| 50 | R1 - R5 | RSL50L15 | 80 | 60 | 45 | 34 | 26 | 19 |
| | R5 - R9H | RSL50L59 | 80 | 73 | 53 | 38 | 27 | 19 |
| | R6 - R10H | RSL50L60 | 80 | 78 | 59 | 45 | 35 | 27 |
| 40 | R1 - R4 | RSL40L14 | 80 | 80 | 67 | 52 | 42 | 31 |
| | R7 - R10H | RSL40L70 | 80 | 80 | 72 | 58 | 48 | 39 |
| 30 | R1 - R3 | RSL30L13 | 80 | 80 | 80 | 71 | 57 | 45 |
| | R8H - R10H | RSL30H80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 20 | R1 - R2 | RSL20L12 | 80 | 80 | 80 | 71 | 60 | 49 |
| | R9H - R10H | RSL20H90 | 80 | 80 | 80 | 80 | 80 | 80 |

The tabulated allowable effective projected areas (EPA) are limited to a maximum recommended value of 80 (ft²). EPA values shown as " - " indicate tower kit is not applicable for the corresponding wind speed.

Site-specific designs are available upon request.

TUBE BRACING
CLASS I LOADING

| | | | | |
|-------------|------|------------------|-----------------|------------|
| | R1 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 21" |
| | R2 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 24" |
| | R3 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 27" |
| | R4 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 30" |
| | R5 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 33" |
| | R6 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 36" |
| | R7 | U 2 3/4" X 3/16" | 1"Ø X 18GA. | 39" |
| | R8H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 42" |
| | R9H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 45" |
| | R10H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 48" |
| SECTION P/N | | | | 51" |
| LEGS | | | | |
| BRACES | | | | |
| | | | | FACE WIDTH |

| RSL TOWER DESIGN LOADING ACCORDING TO ANSI/TIA-222-G | | | | | | | | |
|---|------------|------------------|---|-----|-----|-----|-----|-----|
| STRUCTURE CLASSIFICATION = II EXPOSURE CATEGORY = C TOPOGRAPHIC CATEGORY = 1 3-SECOND GUST WIND SPEED WITH ICE = 40 MPH DESIGN ICE THICKNESS = 1.0" EARTHQUAKE SPECTRAL RESPONSE ACCELERATION, S _s = 2.50 | | | | | | | | |
| RSL-D02 R3 | | | | | | | | |
| HEIGHT (FT) | SECTIONS | TOWER KIT P/N | ALLOWABLE EFFECTIVE PROJECTED AREA (FT²) | | | | | |
| | | | 3-SECOND GUST WIND SPEED WITHOUT ICE (MPH) | | | | | |
| | | | 90 | 100 | 110 | 120 | 130 | 140 |
| 90 | R1 - R9H | RSL90L19 | 10 | - | - | - | - | - |
| | R2 - R10H | RSL90L20 | 11 | - | - | - | - | - |
| 80 | R1 - R8H | RSL80L18 | 11 | - | - | - | - | - |
| | R2 - R9H | RSL80L29 | 21 | 4 | - | - | - | - |
| | R3 - R10H | RSL80L30 | 24 | 10 | - | - | - | - |
| 70 | R1 - R7 | RSL70L17 | 15 | 6 | - | - | - | - |
| | R2 - R8H | RSL70L28 | 24 | 10 | - | - | - | - |
| | R3 - R9H | RSL70L39 | 30 | 12 | - | - | - | - |
| | R4 - R10H | RSL70L40 | 35 | 20 | 8 | - | - | - |
| 60 | R1 - R6 | RSL60L16 | 29 | 18 | 8 | - | - | - |
| | R4 - R9H | RSL60L49 | 39 | 22 | 10 | - | - | - |
| | R5 - R10H | RSL60L50 | 45 | 30 | 18 | 9 | - | - |
| 50 | R1 - R5 | RSL50L15 | 43 | 30 | 20 | 10 | - | - |
| | R5 - R9H | RSL50L59 | 49 | 32 | 20 | 11 | 4 | - |
| | R6 - R10H | RSL50L60 | 56 | 40 | 29 | 20 | 13 | 8 |
| 40 | R1 - R4 | RSL40L14 | 62 | 47 | 35 | 24 | 14 | 7 |
| | R7 - R10H | RSL40L70 | 67 | 52 | 40 | 32 | 25 | 20 |
| 30 | R1 - R3 | RSL30L13 | 79 | 63 | 48 | 36 | 27 | 19 |
| | R8H - R10H | RSL30H80 | 80 | 80 | 80 | 73 | 56 | 43 |
| 20 | R1 - R2 | RSL20L12 | 80 | 69 | 57 | 45 | 36 | 29 |
| | R9H - R10H | RSL20H90 | 80 | 80 | 80 | 80 | 73 | 59 |

The tabulated allowable effective projected areas (EPA) are limited to a maximum recommended value of 80 (ft²). EPA values shown as " - " indicate tower kit is not applicable for the corresponding wind speed.

Site-specific designs are available upon request.

TUBE BRACING
CLASS II LOADING



| | | | |
|-------------|------------------|-----------------|------------|
| RA1 | U 2 3/4" X 3/16" | L 1 1/4" X 1/8" | 21" |
| RA2 | U 2 3/4" X 3/16" | L 1 1/4" X 1/8" | 24" |
| RA3 | U 2 3/4" X 3/16" | L 1 1/4" X 1/8" | 27" |
| RA4 | U 2 3/4" X 3/16" | L 1 1/4" X 1/8" | 30" |
| RA5 | U 2 3/4" X 3/16" | L 1 1/4" X 1/8" | 33" |
| RA6 | U 2 3/4" X 3/16" | L 1 1/4" X 1/8" | 36" |
| RA7 | U 2 3/4" X 3/16" | L 1 1/4" X 1/8" | 39" |
| RA8 | U 2 3/4" X 1/4" | L 1 1/2" X 1/8" | 42" |
| RA9 | U 2 3/4" X 1/4" | L 1 1/2" X 1/8" | 45" |
| RA10 | U 2 3/4" X 1/4" | L 1 1/2" X 1/8" | 48" |
| SECTION P/N | LEGS | BRACES | FACE WIDTH |

| RSL TOWER DESIGN LOADING ACCORDING TO ANSI/TIA-222-G | | | | | | | | |
|---|------------|------------------|--|-----|-----|-----|-----|-----|
| STRUCTURE CLASSIFICATION = I EXPOSURE CATEGORY = B TOPOGRAPHIC CATEGORY = 1 | | | | | | | | |
| RSL-D03 R3 | | | | | | | | |
| HEIGHT (FT) | SECTIONS | TOWER KIT P/N | ALLOWABLE EFFECTIVE PROJECTED AREA (FT ²) | | | | | |
| | | | 3-SECOND GUST WIND SPEED (MPH) | | | | | |
| | | | 90 | 100 | 110 | 120 | 130 | 140 |
| 100 | RA1 - RA10 | RSL100A10 | 20 | 9 | - | - | - | - |
| 90 | RA1 - RA9 | RSL90A19 | 30 | 17 | 7 | - | - | - |
| | RA2 - RA10 | RSL90A20 | 35 | 20 | 9 | - | - | - |
| 80 | RA1 - RA8 | RSL80A18 | 31 | 20 | 9 | - | - | - |
| | RA2 - RA9 | RSL80A29 | 47 | 31 | 20 | 9 | - | - |
| | RA3 - RA10 | RSL80A30 | 52 | 34 | 21 | 11 | - | - |
| 70 | RA1 - RA7 | RSL70A17 | 38 | 24 | 13 | 5 | - | - |
| | RA2 - RA8 | RSL70A28 | 50 | 34 | 23 | 12 | - | - |
| | RA3 - RA9 | RSL70A39 | 71 | 50 | 34 | 19 | 6 | - |
| | RA4 - RA10 | RSL70A40 | 77 | 53 | 38 | 25 | 11 | - |
| 60 | RA1 - RA6 | RSL60A16 | 57 | 40 | 29 | 18 | - | - |
| | RA4 - RA9 | RSL60A49 | 80 | 67 | 45 | 30 | 17 | 7 |
| | RA5 - RA10 | RSL60A50 | 80 | 71 | 51 | 36 | 23 | 9 |
| 50 | RA1 - RA5 | RSL50A15 | 79 | 58 | 44 | 33 | 24 | 17 |
| | RA5 - RA9 | RSL50A59 | 80 | 78 | 56 | 40 | 29 | 19 |
| | RA6 - RA10 | RSL50A60 | 80 | 80 | 64 | 49 | 34 | 20 |
| 40 | RA1 - RA4 | RSL40A14 | 80 | 80 | 65 | 51 | 40 | 32 |
| | RA7 - RA10 | RSL40A70 | 80 | 80 | 78 | 63 | 48 | 33 |
| 30 | RA1 - RA3 | RSL30A13 | 80 | 80 | 80 | 80 | 66 | 54 |
| | RA8 - RA10 | RSL30A80 | 80 | 80 | 80 | 80 | 64 | 49 |
| 20 | RA1 - RA2 | RSL20A12 | 80 | 80 | 80 | 80 | 80 | 69 |
| | RA9 - RA10 | RSL20A90 | 80 | 80 | 80 | 80 | 77 | 62 |

The tabulated allowable effective projected areas (EPA) are limited to a maximum recommended value of 80 (ft²). EPA values shown as " - " indicate tower kit is not applicable for the corresponding wind speed.

Site-specific designs are available upon request.

ANGLE BRACING
CLASS I LOADING

| | | |
|-------------|------------------|------------|
| SECTION P/N | RA1 | 21" |
| LEGS | U 2 3/4" X 3/16" | |
| BRACES | L 1 1/4" X 1/8" | |
| | RA2 | 24" |
| | RA3 | 27" |
| | RA4 | 30" |
| | RA5 | 33" |
| | RA6 | 36" |
| | RA7 | 39" |
| | RA8 | 42" |
| | RA9 | 45" |
| | RA10 | 48" |
| | | 51" |
| | | FACE WIDTH |

| RSL TOWER DESIGN LOADING ACCORDING TO ANSI/TIA-222-G | | | | | | | | |
|--|------------|------------------|--|-----|-----|-----|-----|-----|
| STRUCTURE CLASSIFICATION = II EXPOSURE CATEGORY = C TOPOGRAPHIC CATEGORY = 1 3-SECOND GUST WIND SPEED WITH ICE = 40 MPH DESIGN ICE THICKNESS = 1.0" EARTHQUAKE SPECTRAL RESPONSE ACCELERATION, $S_s = 2.50$ | | | | | | | | |
| HEIGHT (FT) | SECTIONS | TOWER KIT P/N | ALLOWABLE EFFECTIVE PROJECTED AREA (FT ²) | | | | | |
| | | | 3-SECOND GUST WIND SPEED WITHOUT ICE (MPH) | | | | | |
| | | | 90 | 100 | 110 | 120 | 130 | 140 |
| 90 | RA1 - RA9 | RSL90A19 | 6 | - | - | - | - | - |
| | RA2 - RA10 | RSL90A20 | 8 | - | - | - | - | - |
| 80 | RA1 - RA8 | RSL80A18 | 8 | - | - | - | - | - |
| | RA2 - RA9 | RSL80A29 | 19 | - | - | - | - | - |
| | RA3 - RA10 | RSL80A30 | 20 | 9 | - | - | - | - |
| 70 | RA1 - RA7 | RSL70A17 | 12 | - | - | - | - | - |
| | RA2 - RA8 | RSL70A28 | 21 | 7 | - | - | - | - |
| | RA3 - RA9 | RSL70A39 | 30 | 12 | - | - | - | - |
| | RA4 - RA10 | RSL70A40 | 36 | 20 | - | - | - | - |
| 60 | RA1 - RA6 | RSL60A16 | 26 | 14 | - | - | - | - |
| | RA4 - RA9 | RSL60A49 | 40 | 23 | 10 | - | - | - |
| | RA5 - RA10 | RSL60A50 | 48 | 30 | 15 | - | - | - |
| 50 | RA1 - RA5 | RSL50A15 | 41 | 29 | 19 | 11 | - | - |
| | RA5 - RA9 | RSL50A59 | 52 | 34 | 21 | 11 | - | - |
| | RA6 - RA10 | RSL50A60 | 60 | 42 | 27 | 11 | - | - |
| 40 | RA1 - RA4 | RSL40A14 | 61 | 45 | 34 | 25 | 19 | 10 |
| | RA7 - RA10 | RSL40A70 | 73 | 56 | 39 | 25 | 13 | - |
| 30 | RA1 - RA3 | RSL30A13 | 80 | 72 | 56 | 45 | 35 | 26 |
| | RA8 - RA10 | RSL30A80 | 80 | 75 | 54 | 38 | 27 | 18 |
| 20 | RA1 - RA2 | RSL20A12 | 80 | 80 | 78 | 62 | 50 | 40 |
| | RA9 - RA10 | RSL20A90 | 80 | 80 | 72 | 56 | 43 | 33 |

RSL-D04 R3

The tabulated allowable effective projected areas (EPA) are limited to a maximum recommended value of 80 (ft²). EPA values shown as " - " indicate tower kit is not applicable for the corresponding wind speed.

Site-specific designs are available upon request.

ANGLE BRACING
CLASS II LOADING

| | | | | |
|----------------|------|------------------|-----------------|-----|
| | R1H | U 2 3/4" X 3/16" | 1 1/4"Ø X 16GA. | 21" |
| | R2H | U 2 3/4" X 3/16" | 1 1/4"Ø X 16GA. | 24" |
| | R3H | U 2 3/4" X 3/16" | 1 1/4"Ø X 16GA. | 27" |
| | R4H | U 2 3/4" X 3/16" | 1 1/4"Ø X 16GA. | 30" |
| | R5H | U 2 3/4" X 3/16" | 1 1/4"Ø X 16GA. | 33" |
| | R6H | U 2 3/4" X 3/16" | 1 1/4"Ø X 16GA. | 36" |
| | R7H | U 2 3/4" X 3/16" | 1 1/4"Ø X 16GA. | 39" |
| | R8H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 42" |
| | R9H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 45" |
| | R10H | U 2 3/4" X 1/4" | 1 1/4"Ø X 16GA. | 48" |
| SECTION P/N | LEGS | BRACES | | 51" |
| | | | FACE WIDTH | |

| RSL TOWER DESIGN LOADING ACCORDING TO ANSI/TIA-222-G | | | | | | | | | |
|---|------------|---|------------------|--|-----|-----|-----|-----|-----|
| STRUCTURE CLASSIFICATION = II EXPOSURE CATEGORY = C TOPOGRAPHIC CATEGORY = 1 3-SECOND GUST WIND SPEED WITH ICE = 40 MPH DESIGN ICE THICKNESS = 1.0" EARTHQUAKE SPECTRAL RESPONSE ACCELERATION, S _s = 2.50 | | | | | | | | | |
| RSL - D05 RO | | | | | | | | | |
| HEIGHT (FT) | SECTIONS | HIGH PERFORMANCE DISH LOCATED 10 FT BELOW TOWER TOP | TOWER KIT P/N | ALLOWABLE EFFECTIVE PROJECTED AREA (FT ²) | | | | | |
| | | | | 3-SECOND GUST WIND SPEED WITHOUT ICE (MPH) | | | | | |
| | | | | 90 | 100 | 110 | 120 | 130 | 140 |
| 90 | R1H - R9H | HP2 | RSL90H19 | 5 | - | - | - | - | - |
| | R2H - R10H | HP2 | RSL90H20 | 7 | - | - | - | - | - |
| 80 | R1H - R8H | HP2 | RSL80H18 | 7 | - | - | - | - | - |
| | R2H - R9H | HP2 | RSL80H29 | 17 | 6 | - | - | - | - |
| | R3H - R10H | HP4 | RSL80H30 | 10 | - | - | - | - | - |
| 70 | R1H - R7H | HP2 | RSL70H17 | 10 | - | - | - | - | - |
| | R2H - R8H | HP2 | RSL70H28 | 20 | 10 | - | - | - | - |
| | R3H - R9H | HP2 | RSL70H39 | 31 | 19 | 9 | - | - | - |
| | R4H - R10H | HP4 | RSL70H40 | 27 | 12 | - | - | - | - |
| 60 | R1H - R6H | HP2 | RSL60H16 | 25 | 13 | 5 | - | - | - |
| | R4H - R9H | HP4 | RSL60H49 | 43 | 27 | 15 | 6 | - | - |
| | R5H - R10H | HP4 | RSL60H50 | 48 | 30 | 18 | 8 | - | - |
| 50 | R1H - R5H | HP4 | RSL50H15 | 31 | 18 | 8 | - | - | - |
| | R5H - R9H | HP4 | RSL50H59 | 72 | 50 | 35 | 23 | 14 | 7 |
| | R6H - R10H | HP4 | RSL50H60 | 78 | 55 | 39 | 26 | 11 | - |
| 40 | R1H - R4H | HP4 | RSL40H14 | 51 | 36 | 25 | 16 | 8 | - |
| | R7H - R10H | HP4 | RSL40H70 | 80 | 80 | 59 | 39 | 23 | 11 |
| 30 | R1H - R3H | HP4 | RSL30H13 | 80 | 63 | 48 | 37 | 28 | 20 |
| | R8H - R10H | HP4 | RSL30H80 | 80 | 80 | 74 | 53 | 37 | 24 |
| 20 | R1H - R2H | HP4 | RSL20H12 | 80 | 80 | 80 | 75 | 61 | 48 |
| | R9H - R10H | HP4 | RSL20H90 | 80 | 80 | 80 | 69 | 52 | 39 |

The tabulated allowable effective projected areas (EPA) are limited to a maximum recommended value of 80 (ft²). EPA values shown in the table are in addition to the specified high performance dish. EPA values shown as " - " indicate tower kit is not applicable for the corresponding wind speed.

**HEAVY TUBE BRACING
DISH LOADING**

| | | | |
|-------------|------------------|------------------|------------|
| RA1H | U 2 3/4" X 3/16" | L 1 1/2" X 1/8" | 21" |
| RA2H | U 2 3/4" X 3/16" | L 1 1/2" X 1/8" | 24" |
| RA3H | U 2 3/4" X 3/16" | L 1 1/2" X 1/8" | 27" |
| RA4H | U 2 3/4" X 3/16" | L 1 3/4" X 1/8" | 30" |
| RA5H | U 2 3/4" X 3/16" | L 1 3/4" X 1/8" | 33" |
| RA6H | U 2 3/4" X 3/16" | L 1 3/4" X 1/8" | 36" |
| RA7H | U 2 3/4" X 3/16" | L 1 3/4" X 1/8" | 39" |
| RA8H | U 2 3/4" X 1/4" | L 1 3/4" X 1/8" | 42" |
| RA9H | U 2 3/4" X 1/4" | L 1 3/4" X 3/16" | 45" |
| RA10H | U 2 3/4" X 1/4" | L 1 3/4" X 3/16" | 48" |
| SECTION P/N | LEGS | BRACES | FACE WIDTH |
| | | | 51" |

| RSL TOWER DESIGN LOADING ACCORDING TO ANSI/TIA-222-G | | | | | | | | | |
|--|--------------|---|------------------|---|-----|-----|-----|-----|-----|
| STRUCTURE CLASSIFICATION = II EXPOSURE CATEGORY = C TOPOGRAPHIC CATEGORY = 1 3-SECOND GUST WIND SPEED WITH ICE = 40 MPH DESIGN ICE THICKNESS = 1.0" EARTHQUAKE SPECTRAL RESPONSE ACCELERATION, $S_s = 2.50$ | | | | | | | | | |
| RSL - D06 RO | | | | | | | | | |
| HEIGHT (FT) | SECTIONS | HIGH PERFORMANCE DISH LOCATED 10 FT BELOW TOWER TOP | TOWER KIT P/N | ALLOWABLE EFFECTIVE PROJECTED AREA (FT ²) 3-SECOND GUST WIND SPEED WITHOUT ICE (MPH) | | | | | |
| | | | | 90 | 100 | 110 | 120 | 130 | 140 |
| | | | | | | | | | |
| 90 | RA2H - RA10H | HP2* | RSL90AH20 | 0 | - | - | - | - | - |
| 80 | RA1H - RA8H | HP2* | RSL80AH18 | 0 | - | - | - | - | - |
| | RA2H - RA9H | HP2 | RSL80AH29 | 12 | - | - | - | - | - |
| | RA3H - RA10H | HP4 | RSL80AH30 | 6 | - | - | - | - | - |
| 70 | RA1H - RA7H | HP2 | RSL70AH17 | 6 | - | - | - | - | - |
| | RA2H - RA8H | HP2 | RSL70AH28 | 17 | 5 | - | - | - | - |
| | RA3H - RA9H | HP2 | RSL70AH39 | 28 | 14 | 4 | - | - | - |
| | RA4H - RA10H | HP4 | RSL70AH40 | 21 | 8 | - | - | - | - |
| 60 | RA1H - RA6H | HP2 | RSL60AH16 | 20 | 10 | - | - | - | - |
| | RA4H - RA9H | HP4 | RSL60AH49 | 39 | 22 | 10 | - | - | - |
| | RA5H - RA10H | HP4 | RSL60AH50 | 43 | 26 | 13 | - | - | - |
| 50 | RA1H - RA5H | HP4 | RSL50AH15 | 29 | 15 | 4 | - | - | - |
| | RA5H - RA9H | HP4 | RSL50AH59 | 68 | 46 | 31 | 20 | 10 | - |
| | RA6H - RA10H | HP4 | RSL50AH60 | 74 | 50 | 34 | 22 | 12 | 5 |
| 40 | RA1H - RA4H | HP4 | RSL40AH14 | 50 | 34 | 22 | 13 | 6 | - |
| | RA7H - RA10H | HP4 | RSL40AH70 | 80 | 80 | 67 | 50 | 37 | 27 |
| 30 | RA1H - RA3H | HP4 | RSL30AH13 | 80 | 62 | 47 | 35 | 27 | 20 |
| | RA8H - RA10H | HP4 | RSL30AH80 | 80 | 80 | 80 | 80 | 68 | 49 |
| 20 | RA1H - RA2H | HP4 | RSL20AH12 | 80 | 80 | 80 | 74 | 60 | 47 |
| | RA9H - RA10H | HP4 | RSL20AH90 | 80 | 80 | 80 | 80 | 80 | 67 |

The tabulated allowable effective projected areas (EPA) are limited to a maximum recommended value of 80 (ft²). EPA values shown in the table are in addition to the specified high performance dish. EPA values shown as "-" indicate tower kit is not applicable for the corresponding wind speed.

**HEAVY ANGLE BRACING
DISH LOADING**



OPTIONAL ACCESSORIES

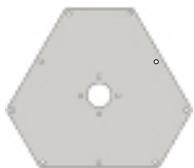
TOP PLATE KIT

RTP12 RTP07

RTP34 RTP08

RTP56 RTP09

Mounts to top closing angles provided with tower kit. Hole pattern fits TB3 and TB4 thrust bearings. Kit includes plate and attachment hardware.



TOP MAST KIT

RSLTMA

2.38" O.D. x 0.154" wall x 3' mast mounts to top plate kit. Top plate kit *must be ordered separately*.



ACCESSORY SHELF

RASK12

RASK34

RASK05

Mounts to tower legs at approximately 4' - 6" below top. Kit includes plate and attachment hardware. *Top plate, if required, must be ordered separately.*



LEG MOUNT

RSLM-DLM

Mounting pipe: 2.38" O.D. x 0.154" wall x 5' long mounting pipe.



FRAME MOUNT

RSLM-3FM

10' Frame mount with 1.90" O.D. x 0.145" wall x 10' horizontal pipe with 2.38" O.D. x 0.154" wall x 5' mounting pipes.



FACE MOUNT

RSLM-DFML

Face Mount with 2.38" O.D. x 0.154" wall x 5' long mounting pipe.

RSLM-DFMH

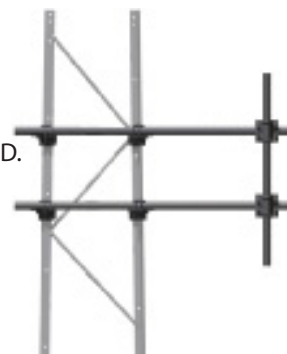
Face Mount with 4.5" O.D. x 0.237" wall x 5' mounting pipe.



SIDE ARM MOUNT

RSLM-3SA

3' Side Arm Mount with 1.90" O.D. x 0.145" wall x 8' horizontal pipe and 2.38" O.D. x 0.154" wall x 5' mounting pipe.



SINGLE ARM MOUNT

RSLM-SAM

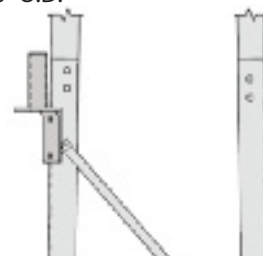
3' single arm with 1.50" O.D. x 0.120" wall x 10' horizontal pipe.



LEG MOUNTED BRACKET

RSLM-LMB

Leg mounted bracket with a 1.90" O.D. x 0.154" wall x 6" mounting post.

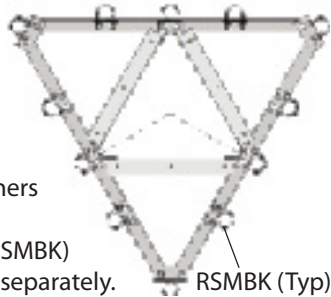


OPTIONAL ACCESSORIES

SECTOR MOUNT

RSM1 RSM3
RSM2 RSM4

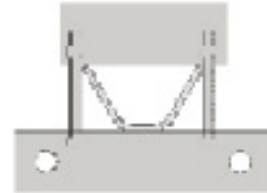
Mount can accommodate up to (12) 5' mounting pipes. Brackets and U-bolts at corners are provided with this kit. Additional mounting kits (RSMBK) and pipes must be ordered separately.



TIE BACK ASSEMBLY

RSLTBA

Dish tie back bracket. Clamps to a leg at any location. Includes (1) bracket with required mounting hardware.



LIGHTNING ROD

LRCL

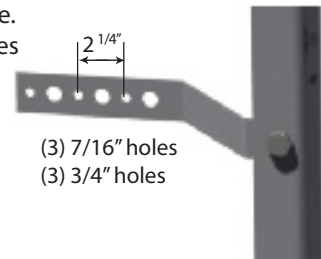
5' Copper clad, mounts to top closing angles.



WAVEGUIDE BRACKETS

RSWGB

Includes (1) 3-hole bracket with required mounting hardware. Mounts to pre-punched holes in leg.



CLIMBING HARNESS

TTFBH-4D (Journeyman Harness)
TTFBH-C/P (Professional Harness)



SAFETY CABLE SLIDER WITH CARABINEER

TT-WG-500-W/SMC



STEP BOLT KIT

RSLSTEP

One kit consists of (10) 5/8" x 7" steps for one 10' tower section. Order one kit for each section of tower for step bolts on one leg.

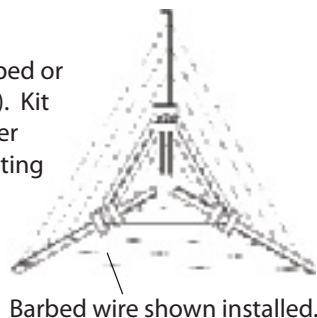
SAFETY CABLE SYSTEMS

| Tower Height | Part Number |
|--------------|-------------|
| 20' - 50' | TTRSL50 |
| 60' - 100' | TTRSL100 |

ANTI-CLIMB BRACKETS

RACW

Brackets to be used with barbed or razor wire (wire not included). Kit includes (3) outer and (3) inner brackets with required mounting hardware.

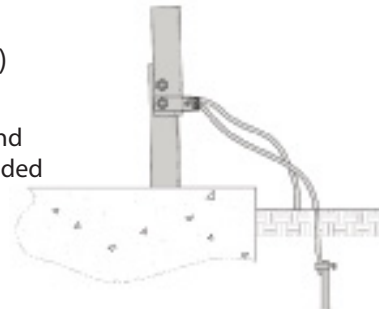


RSL GROUNDING KIT

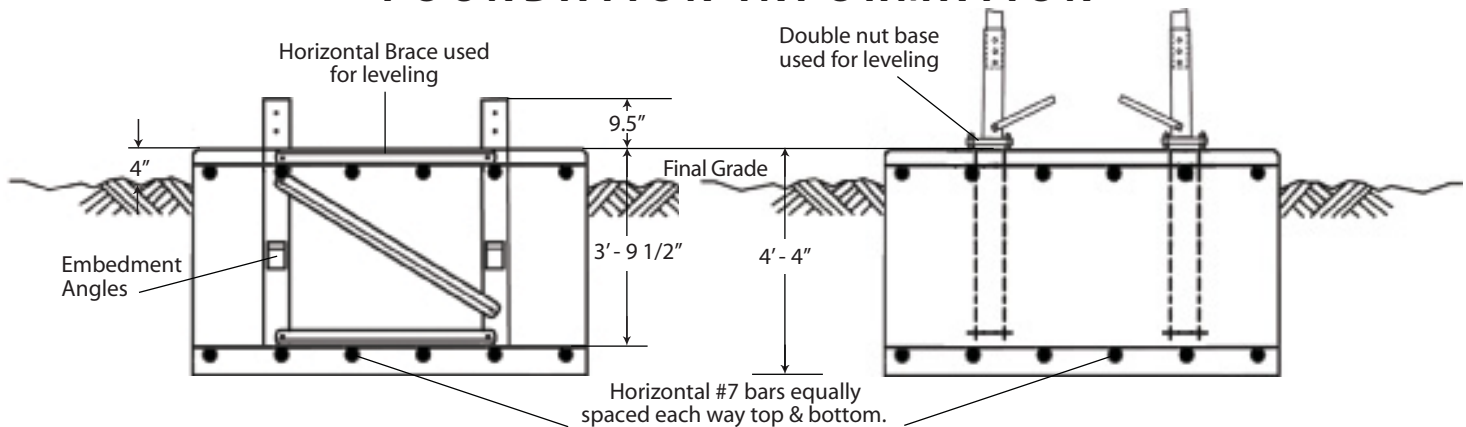
RGKG (3 LEG KIT)

RGKG-1 (1 LEG KIT)

Grounding kit, per Rev. G, 5/8" x 10' ground rods, 7/16" IWRC stranded galvanized ground leads and clamps.

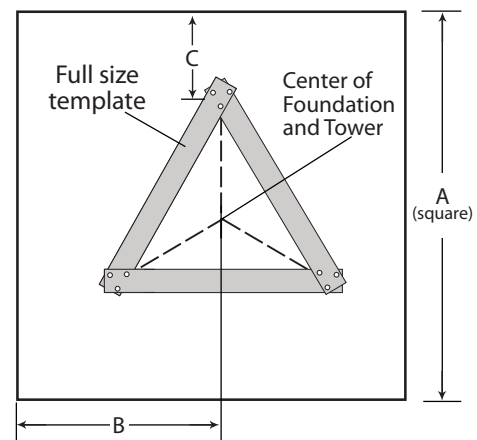
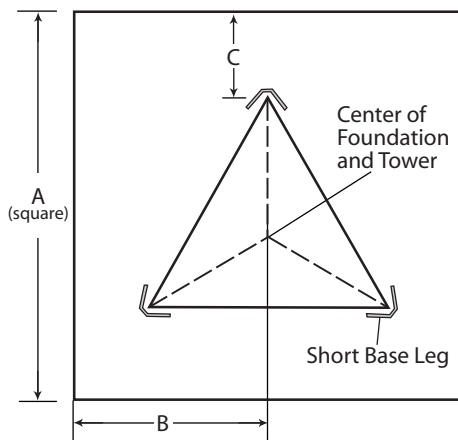


FOUNDATION INFORMATION



SHORT BASE

ANCHOR BASE



Anchor base option includes: full-size template, anchor bolt lower template, anchor bolts and leg stubs.

SHORT BASE
(Ordered separately from tower)

STANDARD FOUNDATION INFORMATION
(Used with short base and anchor base options)

ANCHOR BASE
(Ordered separately from tower)

| Short Base Section |
|--------------------|
| RSB02 |
| RSB03 |
| RSB04 |
| RSB05 |
| RSB06 |
| RSB07 |
| RSB08 |
| RSB09 |
| RSB10 |

| Tower Base Section | Dimensions | | | Concrete (Cu. Yds) | No. 7 Bars Req. |
|--------------------|------------|--------------|---------|--------------------|-----------------|
| | A | B | C | | |
| 2 | 7' - 6" | 3' - 9" | 2' - 5" | 9.0 | 32 |
| 3 | 7' - 9" | 3' - 10 1/2" | 2' - 5" | 9.6 | 40 |
| 4 | 8' - 0" | 4' - 0" | 2' - 5" | 10.3 | 40 |
| 5 | 8' - 3" | 4' - 1 1/2" | 2' - 5" | 10.9 | 40 |
| 6 | 8' - 6" | 4' - 3" | 2' - 4" | 11.6 | 40 |
| 7 | 8' - 6" | 4' - 3" | 2' - 3" | 11.6 | 40 |
| 8 | 9' - 6" | 4' - 9" | 2' - 7" | 14.5 | 40 |
| 9 | 9' - 9" | 4' - 10 1/2" | 2' - 7" | 15.3 | 48 |
| 10 | 10' - 0" | 5' - 0" | 2' - 7" | 16.0 | 48 |

| Leg Stubs & Anchors |
|---------------------|
| RAL02 |
| RAL03 |
| RAL04 |
| RAL05 |
| RAL06 |
| RAL07 |
| RAL08 |
| RAL09 |
| RAL10 |

Standard foundations illustrated are for general information purposes only.
Actual details are provided with tower assembly drawings.

OPTIONAL ITEMS MUST BE ORDERED SEPARATELY

| TOWER HEIGHT | RSL SECTION REFERENCE | TOP PLATE KIT | ACCESSORY SHELF | SECTOR MOUNT KIT | SHORT BASE KIT | ANCHOR BASE KIT | STEP BOLT KIT (ONE LEG) | SAFETY CABLE KIT |
|--------------|-----------------------|---------------|-----------------|------------------|----------------|-----------------|-------------------------|------------------|
| 100' | 1-10 | RTP12 | RASK12 | RSM1 | RSB10 | RAL10 | (10) RSLSTEP | TTRSL100 |
| 90 | 1-9 | RTP12 | RASK12 | RSM1 | RSB09 | RAL09 | (9) RSLSTEP | TTRSL100 |
| | 2-10 | RTP12 | RASK12 | RSM2 | RSB10 | RAL10 | | |
| 80 | 1-8 | RTP12 | RASK12 | RSM1 | RSB08 | RAL08 | (8) RSLSTEP | TTRSL100 |
| | 2-9 | RTP12 | RASK12 | RSM2 | RSB09 | RAL09 | | |
| | 3-10 | RTP34 | RASK34 | RSM3 | RSB10 | RAL10 | | |
| 70 | 1-7 | RTP12 | RASK12 | RSM1 | RSB07 | RAL07 | (7) RSLSTEP | TTRSL100 |
| | 2-8 | RTP12 | RASK12 | RSM2 | RSB08 | RAL08 | | |
| | 3-9 | RTP34 | RASK34 | RSM3 | RSB09 | RAL09 | | |
| | 4-10 | RTP34 | RASK34 | RSM4 | RSB10 | RAL10 | | |
| 60 | 1-6 | RTP12 | RASK12 | RSM1 | RSB06 | RAL06 | (6) RSLSTEP | TTRSL100 |
| | 4-9 | RTP34 | RASK34 | RSM4 | RSB09 | RAL09 | | |
| | 5-10 | RTP56 | RASK05 | N/A | RSB10 | RAL10 | | |
| 50 | 1-5 | RTP12 | RASK12 | RSM1 | RSB05 | RAL05 | (5) RSLSTEP | TTRSL50 |
| | 5-9 | RTP56 | RASK05 | N/A | RSB09 | RAL09 | | |
| | 6-10 | RTP56 | N/A | N/A | RSB10 | RAL10 | | |
| 40 | 1-4 | RTP12 | RASK12 | RSM1 | RSB04 | RAL04 | (4) RSLSTEP | TTRSL50 |
| | 7-10 | RTP07 | N/A | N/A | RSB10 | RAL10 | | |
| 30 | 1-3 | RTP12 | RASK12 | RSM1 | RSB03 | RAL03 | (3) RSLSTEP | TTRSL50 |
| | 8-10 | RTP08 | N/A | N/A | RSB10 | RAL10 | | |
| 20 | 1-2 | RTP12 | RASK12 | RSM1 | RSB02 | RAL02 | (2) RSLSTEP | TTRSL50 |
| | 9-10 | RTP09 | N/A | N/A | RSB10 | RAL10 | | |

RSLAKITS R2

ROHN standard RSL tower kits are supplied with lock washers as nut locking devices. Pal nuts (P), ANCO nuts (A) and Tri-Loc nuts (T) are alternative nut locking devices that may be obtained by adding the indicated suffix to the standard RSL tower kit part number. *Nut locking devices are required in accordance with ANSI/TIA-222-G.*



SSV SELF-SUPPORTING TOWERS

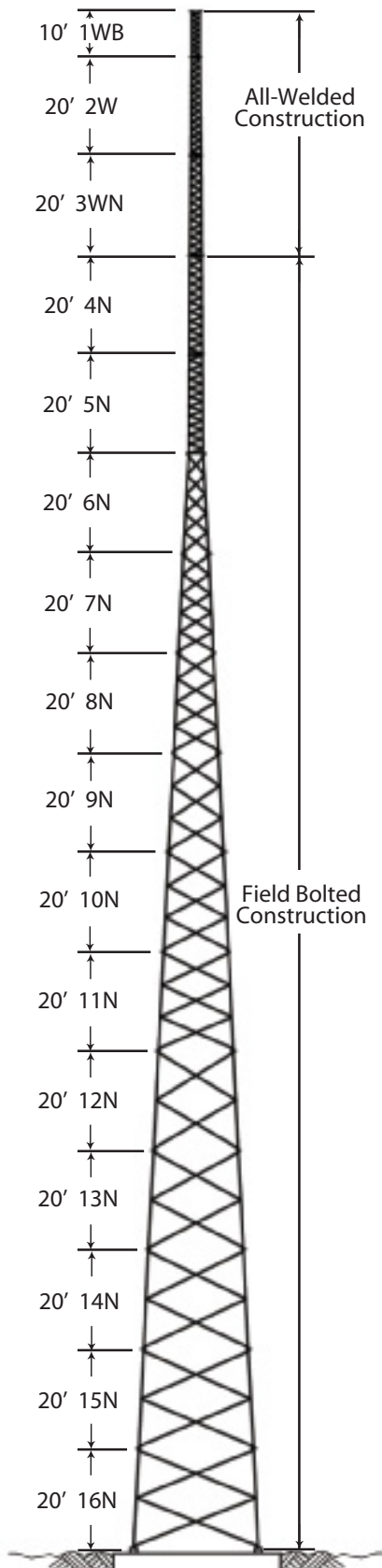
SSV STANDARD

GENERAL USE

The ROHN SSV tower has been in service for over 50 years. The design utilizes standard parts arranged to create a unique structure. The legs are tubular with angle braces at the bottom and solid legs and braces in the top sections. This tower is used in a variety of applications, from PCS structures and broadband to security, sports lighting and more. The SSV has proven to be one of the industry's most efficient and preferred structures. All ROHN SSV towers are hot-dip galvanized, inside and out for corrosion protection.

| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|--------------|
| | Upper | Lower |
| 1WB | 1' - 2" | 1' - 2" |
| 2W | 1' - 2" | 1' - 6" |
| 3WN | 1' - 6" | 1' - 10" |
| 4N | 1' - 10" | 2' - 2" |
| 5N | 2' - 2" | 2' - 6" |
| 6N | 2' - 6" | 4' - 6 1/4" |
| 7N | 4' - 6 1/4" | 6' - 6 3/4" |
| 8N | 6' - 6 3/4" | 8' - 6 3/4" |
| 9N | 8' - 6 3/4" | 10' - 6 3/4" |
| 10N | 10' - 6 3/4" | 12' - 7 1/4" |
| 11N | 12' - 7 1/4" | 14' - 7 7/8" |
| 12N | 14' - 7 7/8" | 16' - 8 3/8" |
| 13N | 16' - 8 3/8" | 18' - 8 3/8" |
| 14N | 18' - 8 3/8" | 20' - 9 3/8" |
| 15N | 20' - 9 3/8" | 22' - 9 3/8" |
| 16N | 22' - 9 3/8" | 24' - 9 3/8" |

Do not use for construction.
See tower assembly drawings.



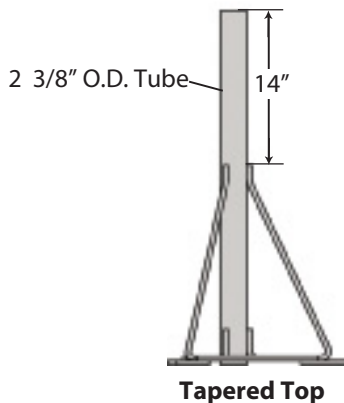
Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please contact ROHN for ordering information.

SELF-SUPPORTING STANDARD TOWERS

| REV G, 90 MPH 3-SEC, 3/4" ICE | | | | | | | |
|-------------------------------|-----------------------|----------|--------|------------------------------------|-------|---------------|-------|
| TOWER HEIGHT (FT.) | TOWER ASSEMBLY NUMBER | SECTIONS | | EFFECTIVE PROJECTED AREA (SQ. FT.) | | | |
| | | TOP | BASE | TOP | | 30' BELOW TOP | |
| | | | | EXP B | EXP C | EXP B | EXP C |
| 40 | SS040R90 | 2W | 3WN | 18 | 13 | 31 | 19 |
| 50 | SS050R90 | 1WB | 3WN | 7 | 5 | 12 | 7 |
| 60 | SS060R90 | 2W | 4N | 15 | 10 | 25 | 16 |
| 70 | SS070R90 | 1WB | 4N | 6 | 4 | 10 | 5 |
| 80 | SS080R90 | 2W | 5N | 13 | 9 | 22 | 14 |
| 90 | SS090R90 | 1WB | 5N | 5 | 3 | 8 | 5 |
| 100 | SS100R90 | 2W | 6N62 | 11 | 7 | 18 | 11 |
| 110 | SS110R90 | 1WB | 6N62 | 4 | 2 | 7 | 3 |
| 120 | SS120R90 | 2W | 7N165 | 10 | 6 | 17 | 10 |
| 130 | SS130R90 | 1WB | 7N165 | 4 | 2 | 7 | 3 |
| 140 | SS140R90 | 2W | 8N106 | 9 | 4 | 15 | 7 |
| 150 | SS150R90 | 1WB | 8N106 | 5 | 2 | 8 | 3 |
| 160 | SS160R90 | 2W | 9N325 | 8 | - | 14 | - |
| 170 | SS170R90 | 1WB | 9N325 | 5 | - | 8 | - |
| 180 | SS180R90 | 2W | 10N387 | 4 | - | 6 | - |

General Notes:

1. Standard tower designs are in accordance with approved national standard ANSI/TIA-222-G, Structure Class II, Topographic Category 1, 3/4" design ice thickness, seismic coefficient $S_s \leq 1.0$.
2. Tower designs assume allowable projected areas are symmetrically placed on the tower.
3. Designs assume one 7/8 line to top and two 7/8 lines to 30 feet below top, one line on each face.
4. All towers are provided with step bolts and a tapered top.
5. Grounding kit must be ordered seperately.
6. Assembly drawings and standard foundation details are supplied with the tower.
7. Custom designs for site-specific applications are available upon request.



| Assy. P/N | Tower Section No. |
|-----------|-------------------------|
| 1TT | 1W, 1WB, 2W |
| 3TT | 2WST, 2WB, 3WN |
| 4TTN | 3WNST, 3WNB, 4N |
| 5TTN | 4NST, 4NA, 4WB, 4NC, 5N |
| 6TT | 5NST, 5NA, 5NB, 5NC, 6C |



SELF-SUPPORTING STANDARD TOWERS

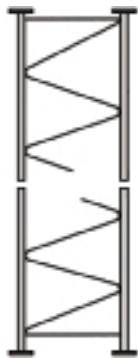
| REV G, 100 MPH 3-SEC, 3/4" ICE | | | | | | | |
|--------------------------------|-----------------------|----------|-------|------------------------------------|-------|---------------|-------|
| TOWER HEIGHT (FT.) | TOWER ASSEMBLY NUMBER | SECTIONS | | EFFECTIVE PROJECTED AREA (SQ. FT.) | | | |
| | | TOP | BASE | TOP | | 30' BELOW TOP | |
| | | | | EXP B | EXP C | EXP B | EXP C |
| 40 | SS040R100 | 2W | 3WN | 14 | 10 | 24 | 15 |
| 50 | SS050R100 | 1WB | 3WN | 5 | 3 | 8 | 5 |
| 60 | SS060R100 | 2W | 4N | 11 | 7 | 18 | 12 |
| 70 | SS070R100 | 1WB | 4N | 4 | 2 | 7 | 3 |
| 80 | SS080R100 | 2W | 5N | 10 | 6 | 17 | 10 |
| 90 | SS090R100 | 1WB | 5N | 3 | 2 | 5 | 2 |
| 100 | SS100R100 | 2W | 6N62 | 7 | 4 | 12 | 6 |
| 110 | SS110R100 | 1WB | 6N62 | 3 | 2 | 5 | - |
| 120 | SS120R100 | 2W | 7N165 | 6 | 2 | 10 | 3 |
| 130 | SS130R100 | 1WB | 7N165 | 2 | - | 3 | - |
| 140 | SS140R100 | 2W | 8N106 | 5 | - | 8 | - |
| 150 | SS150R100 | 1WB | 8N106 | 3 | - | 5 | - |
| 160 | SS160R100 | 2W | 9N325 | 4 | - | 6 | - |
| 170 | SS170R100 | 1WB | 9N325 | 2 | - | 2 | - |

General Notes:

1. Standard tower designs are in accordance with approved national standard ANSI/TIA-222-G, Structure Class II, Topographic Category 1, 3/4" design ice thickness, seismic coefficient $S_s \leq 1.0$.
2. Tower designs assume allowable projected areas are symmetrically placed on the tower.
3. Designs assume one 7/8 line to top and two 7/8 lines to 30 feet below top, one line on each face.
4. All towers are provided with step bolts and a tapered top.
5. Grounding kit must be ordered separately.
6. Assembly drawings and standard foundation details are supplied with the tower.
7. Custom designs for site-specific applications are available upon request.

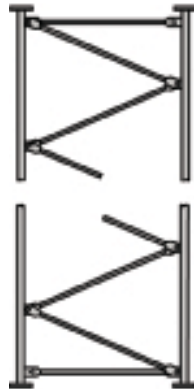


SELF-SUPPORTING HEAVY DUTY SECTIONS



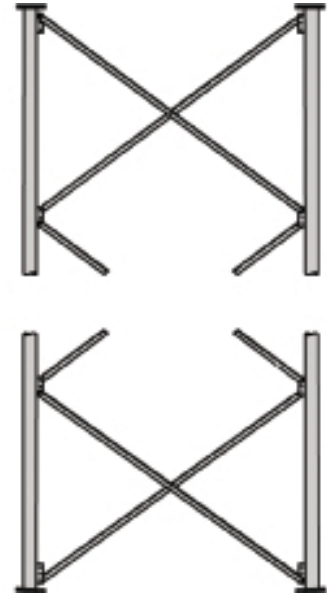
Bracing Detail for Sections 1W - 3WN
Solid Round Legs & Solid Round Braces

*Straight and Tapered Sections
available.*



Bracing Detail for Sections 4N & 5N
Solid Round Legs & Solid Round Braces

*Straight and Tapered Sections
available.*

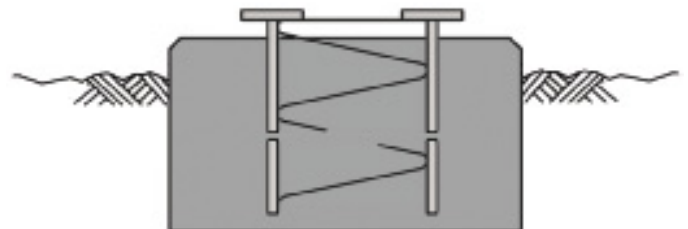


Bracing Detail for Straight Sections 6N - 11N
Tubular Legs & Angle Braces



Bracing Detail for Tapered Sections 6N - 16NH
Tubular Legs & Angle Braces

TYPICAL SHORT BASE

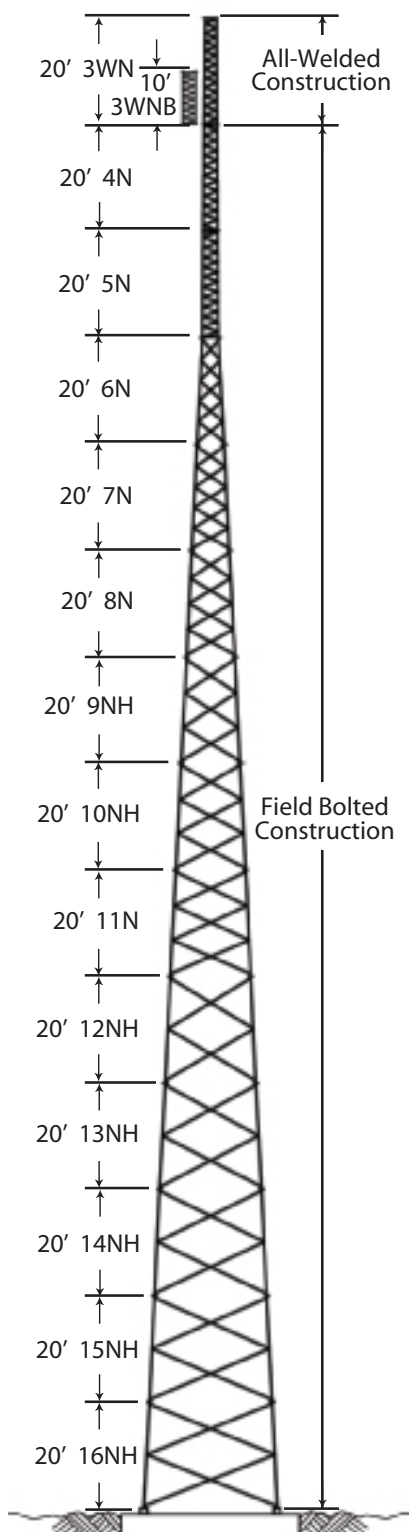


Part No: SB2, SB3, SB4 & SB5
*Installed when 2N - 5N sections are
used as tower base.*

Anchor bolt configurations are provided with larger towers.

SSV HD SELF-SUPPORTING TOWERS

SSV HEAVY DUTY



GENERAL USE

The ROHN SSV HD tower has the same features and utility as the SSV tower, but with Heavy Duty legs and braces. The heavy duty tower allows for the structure to support more loading and higher wind and ice loading. This tower serves the same applications as the SSV including: PCS, broadband, security, sports lighting and many others. The SSV HD also has standard "pre-engineered" towers created from standard sections. All ROHN SSV towers are hot-dip galvanized, inside and out for corrosion protection.

Do not use for construction.
See tower assembly drawings.

| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|--------------|
| | Upper | Lower |
| 3WN | 1' - 6" | 1' - 10" |
| 3WNB | 1' - 10" | 1' - 10" |
| 4N | 1' - 10" | 2' - 2" |
| 5N | 2' - 2" | 2' - 6" |
| 6N | 2' - 6" | 4' - 6 1/4" |
| 7N | 4' - 6 1/4" | 6' - 6 3/4" |
| 8N | 6' - 6 3/4" | 8' - 6 3/4" |
| 9NH | 8' - 6 3/4" | 10' - 6 3/4" |
| 10NH | 10' - 6 3/4" | 12' - 7 1/4" |
| 11N | 12' - 7 1/4" | 14' - 7 7/8" |
| 12NH | 14' - 7 7/8" | 16' - 8 3/8" |
| 13NH | 16' - 8 3/8" | 18' - 8 3/8" |
| 14NH | 18' - 8 3/8" | 20' - 9 3/8" |
| 15NH | 20' - 9 3/8" | 22' - 9 3/8" |
| 16NH | 22' - 9 3/8" | 24' - 9 3/8" |

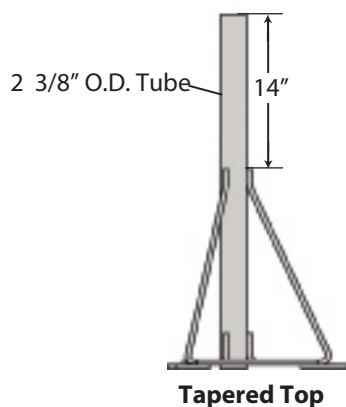
Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please contact ROHN for ordering information.

SELF-SUPPORTING HEAVY DUTY STANDARD TOWERS

| REV G, 90 MPH 3-SEC, 3/4" ICE | | | | | | | |
|-------------------------------|-----------------------|----------|--------|------------------------------------|-------|---------------|-------|
| TOWER HEIGHT (FT.) | TOWER ASSEMBLY NUMBER | SECTIONS | | EFFECTIVE PROJECTED AREA (SQ. FT.) | | | |
| | | TOP | BASE | TOP | | 30' BELOW TOP | |
| | | | | EXP B | EXP C | EXP B | EXP C |
| 40 | SS040HD90 | 3WN | 4N | 41 | 29 | 60 | 40 |
| 50 | SS050HD90 | 3WNB | 5N | 36 | 27 | 60 | 40 |
| 60 | SS060HD90 | 3WN | 5N | 35 | 26 | 60 | 40 |
| 70 | SS070HD90 | 3WNB | 6N62 | 32 | 23 | 54 | 38 |
| 80 | SS080HD90 | 3WN | 6N62 | 22 | 15 | 37 | 25 |
| 90 | SS090HD90 | 3WNB | 7N165 | 27 | 18 | 46 | 30 |
| 100 | SS100HD90 | 3WN | 7N165 | 20 | 13 | 34 | 21 |
| 110 | SS110HD90 | 3WNB | 8N106 | 24 | 10 | 41 | 17 |
| 120 | SS120HD90 | 3WN | 8N106 | 18 | 11 | 31 | 18 |
| 130 | SS130HD90 | 3WNB | 9N82 | 21 | 9 | 36 | 15 |
| 140 | SS140HD90 | 3WN | 9N82 | 16 | 10 | 27 | 17 |
| 150 | SS150HD90 | 3WNB | 10N183 | 19 | 11 | 33 | 18 |
| 160 | SS160HD90 | 3WN | 10N183 | 15 | 8 | 25 | 14 |
| 170 | SS170HD90 | 3WNB | 11N332 | 18 | 9 | 31 | 15 |
| 180 | SS180HD90 | 3WN | 11N332 | 13 | 6 | 21 | 10 |

General Notes:

1. Standard tower designs are in accordance with approved national standard ANSI/TIA-222-G, Structure Class II, Topographic Category 1, 3/4" design ice thickness, seismic coefficient $S_s \leq 1.0$.
2. Tower designs assume allowable projected areas are symmetrically placed on the tower.
3. Designs assume one 7/8 line to top and two 7/8 lines to 30 feet below top, one line on each face.
4. All towers are provided with step bolts and a tapered top.
5. Grounding kit must be ordered seperately.
6. Assembly drawings and standard foundation details are supplied with the tower.
7. Custom designs for site-specific applications are available upon request.



| Assy. P/N | Tower Section No. |
|-----------|-------------------------|
| 1TT | 1W, 1WB, 2W |
| 3TT | 2WST, 2WB, 3WN |
| 4TTN | 3WNST, 3WNB, 4N |
| 5TTN | 4NST, 4NA, 4WB, 4NC, 5N |
| 6TT | 5NST, 5NA, 5NB, 5NC, 6C |



SELF-SUPPORTING HEAVY DUTY STANDARD TOWERS

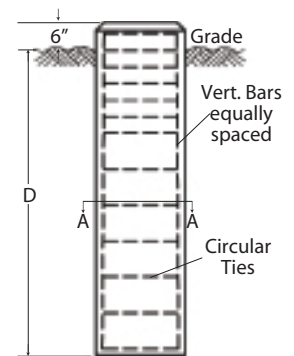
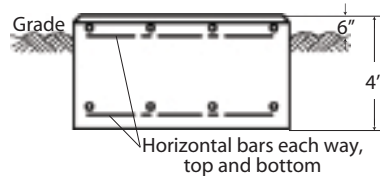
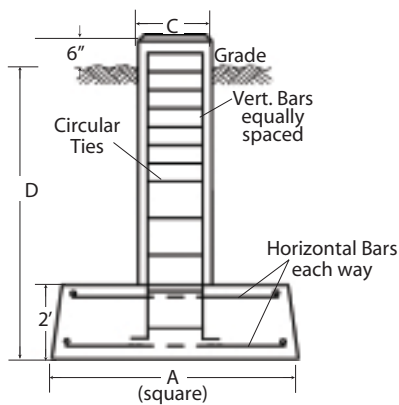
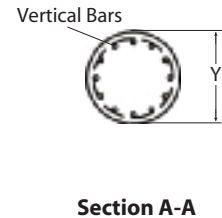
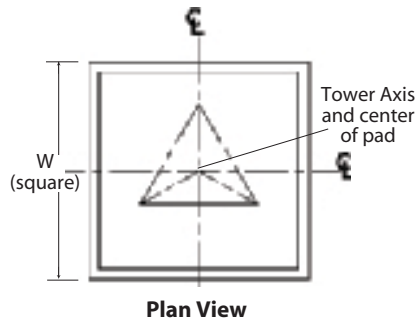
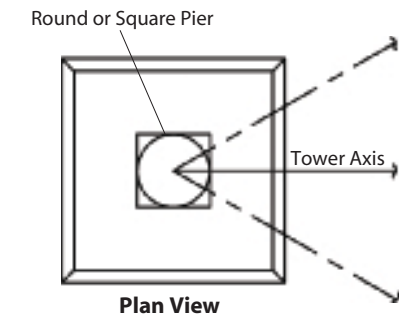
| REV G, 100 MPH 3-SEC, 3/4" ICE | | | | | | | |
|--------------------------------|-----------------------|----------|--------|------------------------------------|-------|---------------|-------|
| TOWER HEIGHT (FT.) | TOWER ASSEMBLY NUMBER | SECTIONS | | EFFECTIVE PROJECTED AREA (SQ. FT.) | | | |
| | | TOP | BASE | TOP | | 30' BELOW TOP | |
| | | | | EXP B | EXP C | EXP B | EXP C |
| 40 | SS040HD100 | 3WN | 4N | 32 | 23 | 50 | 38 |
| 50 | SS050HD100 | 3WNB | 5N | 29 | 21 | 49 | 35 |
| 60 | SS060HD100 | 3WN | 5N | 28 | 20 | 48 | 34 |
| 70 | SS070HD100 | 3WNB | 6N62 | 25 | 17 | 42 | 28 |
| 80 | SS080HD100 | 3WN | 6N62 | 17 | 11 | 28 | 18 |
| 90 | SS090HD100 | 3WNB | 7N165 | 19 | 11 | 32 | 18 |
| 100 | SS100HD100 | 3WN | 7N165 | 14 | 7 | 24 | 11 |
| 110 | SS110HD100 | 3WNB | 8N106 | 17 | 9 | 28 | 15 |
| 120 | SS120HD100 | 3WN | 8N106 | 12 | 5 | 20 | 9 |
| 130 | SS130HD100 | 3WNB | 9N82 | 14 | 8 | 24 | 13 |
| 140 | SS140HD100 | 3WN | 9N82 | 10 | 4 | 17 | 7 |
| 150 | SS150HD100 | 3WNB | 10N183 | 12 | 3 | 20 | 5 |
| 160 | SS160HD100 | 3WN | 10N183 | 9 | - | 15 | - |
| 170 | SS170HD100 | 3WNB | 11N332 | 9 | - | 15 | - |
| 180 | SS180HD100 | 3WN | 11N332 | 6 | - | 10 | - |

| REV G, 110 MPH 3-SEC, 3/4" ICE | | | | | | | |
|--------------------------------|-----------------------|----------|-------|------------------------------------|-------|---------------|-------|
| TOWER HEIGHT (FT.) | TOWER ASSEMBLY NUMBER | SECTIONS | | EFFECTIVE PROJECTED AREA (SQ. FT.) | | | |
| | | TOP | BASE | TOP | | 30' BELOW TOP | |
| | | | | EXP B | EXP C | EXP B | EXP C |
| 40 | SS040HD110 | 3WN | 4N | 26 | 18 | 40 | 30 |
| 50 | SS050HD110 | 3WNB | 5N | 23 | 17 | 39 | 28 |
| 60 | SS060HD110 | 3WN | 5N | 23 | 16 | 39 | 26 |
| 70 | SS070HD110 | 3WNB | 6N62 | 19 | 12 | 33 | 20 |
| 80 | SS080HD110 | 3WN | 6N62 | 12 | 7 | 20 | 11 |
| 90 | SS090HD110 | 3WNB | 7N165 | 13 | 7 | 22 | 10 |
| 100 | SS100HD110 | 3WN | 7N165 | 9 | 3 | 15 | 4 |
| 110 | SS110HD110 | 3WNB | 8N106 | 11 | 5 | 18 | 8 |
| 120 | SS120HD110 | 3WN | 8N106 | 7 | 2 | 11 | 3 |

General Notes:

1. Standard tower designs are in accordance with approved national standard ANSI/TIA-222-G, Structure Class II, Topographic Category 1, 3/4" design ice thickness, seismic coefficient $S_s \leq 1.0$.
2. Tower designs assume allowable projected areas are symmetrically placed on the tower.
3. Designs assume one 7/8 line to top and two 7/8 lines to 30 feet below top, one line on each face.
4. All towers are provided with step bolts and a tapered top.
5. Grounding kit must be ordered separately.
6. Assembly drawings and standard foundation details are supplied with the tower.
7. Custom designs for site-specific applications are available upon request.

SELF-SUPPORTING ANSI/TIA-222-G STANDARD FOUNDATIONS



| Tower Base Sect. No. | Pier & Pad | | | | | Mat | | Drilled Pier | | |
|-------------------------------|------------|---------|---------|-------------------------------------|--------|----------|-----------------------------|--------------|---------|-----------------------------|
| | Dimensions | | | Req'd Conc. (cu. yds. 3 fdns) | | W | Req'd Conc. (cu.yds.) | D | Y | Req'd Conc. (cu.yds.) |
| | D | A | C | | | | | | | |
| | | | | Round | Square | | | | | |
| 3WN | - | - | - | - | - | 6' - 9" | 6.8 | - | - | - |
| 4N | - | - | - | - | - | 8' - 0" | 9.5 | - | - | - |
| 5N | - | - | - | - | - | 8' - 9" | 11.3 | - | - | - |
| 6N62 | - | - | - | - | - | 10' - 3" | 15.6 | - | - | - |
| 7N165 | 8' - 0" | 4' - 6" | 2' - 0" | 6.3 | 6.9 | 11' - 6" | 19.6 | - | - | - |
| 8N106 | 8' - 0" | 5' - 0" | 2' - 0" | 7.3 | 7.9 | 14' - 3" | 30.1 | 15' - 0" | 2' - 6" | 8.4 |
| 9N325/9N 82 | 8' - 0" | 5' - 6" | 2' - 0" | 8.4 | 9.0 | 16' - 0" | 37.9 | 18' - 0" | 2' - 6" | 10.2 |
| 10N387/10N183 | 8' - 6" | 5' - 6" | 2' - 0" | 8.6 | 9.2 | 18' - 3" | 49.3 | 20' - 0" | 2' - 6" | 11.1 |
| 11N332 | 9' - 0" | 6' - 0" | 2' - 6" | 11.4 | 12.6 | - | - | 22' - 0" | 2' - 6" | 12.3 |

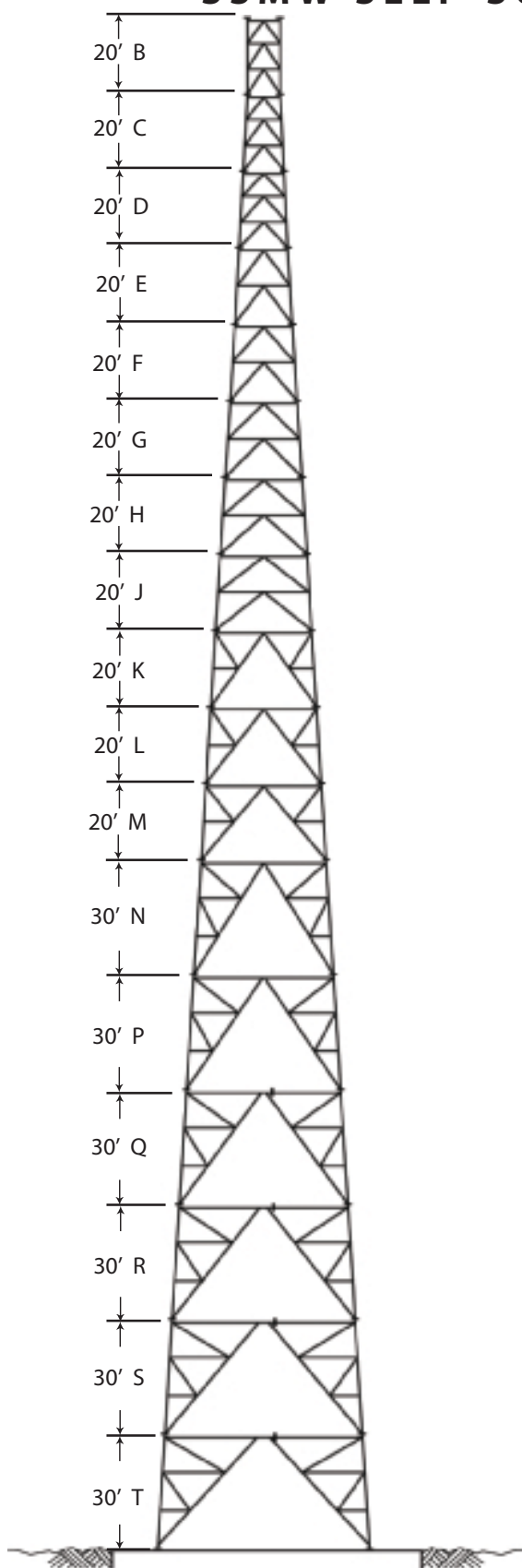
Standard foundations illustrated are for general information purposes only and are based on Rev G presumptive clay soil parameters.
Foundation installation details are provided with tower assembly drawings.

SSMW SELF-SUPPORTING TOWERS

SSMW

GENERAL USE

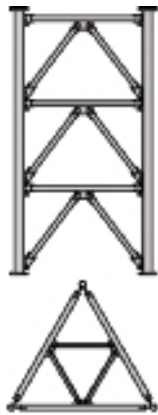
The ROHN SSMW tower is a unique design using a K-Brace system with horizontal plan bracing to allow free standing towers to reach heights to 900'. The SSMW is designed with pipe legs and pipe braces with flanges at each end for connection. The SSMW tower design can be used in conjunction with the SSV tower. All SSMW towers are hot-dip galvanized, inside and out for corrosion protection.



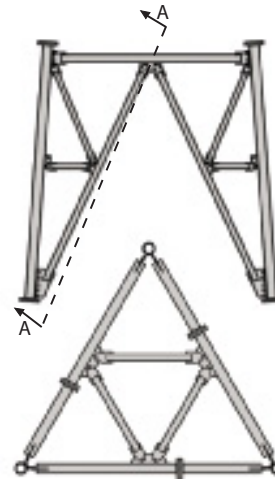
| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|---------------|
| | Upper | Lower |
| B | 8' - 6 1/2" | 8' - 6 1/2" |
| C | 8' - 6 1/2" | 10' - 7" |
| D | 10' - 7" | 12' - 7 1/2" |
| E | 12' - 7 1/2" | 14' - 11 1/2" |
| F | 14' - 11 1/2" | 17' - 5 1/2" |
| G | 17' - 5 1/2" | 19' - 11 1/2" |
| H | 19' - 11 1/2" | 22' - 6 1/2" |
| J | 22' - 6 1/2" | 25' - 0 1/2" |
| K | 25' - 0 1/2" | 27' - 6 1/2" |
| L | 27' - 6 1/2" | 30' - 0 1/2" |
| M | 30' - 0 1/2" | 32' - 6 1/2" |
| N | 32' - 6 1/2" | 36' - 3 1/2" |
| P | 36' - 3 1/2" | 40' - 2 1/8" |
| Q | 40' - 2 1/8" | 43' - 11 1/8" |
| R | 43' - 11 1/8" | 47' - 8 1/8" |
| S | 47' - 8 1/8" | 51' - 5 1/8" |
| T | 51' - 5 1/8" | 55' - 2 1/8" |

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

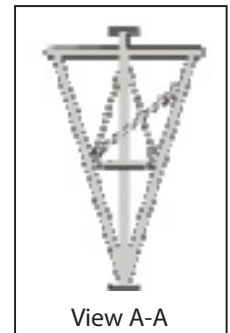
SELF-SUPPORTING SSMW SECTIONS



Typical section assembly detail for sections B, C & D.
Section E, F, G, H & J are identical except
for the number of bays of bracing.



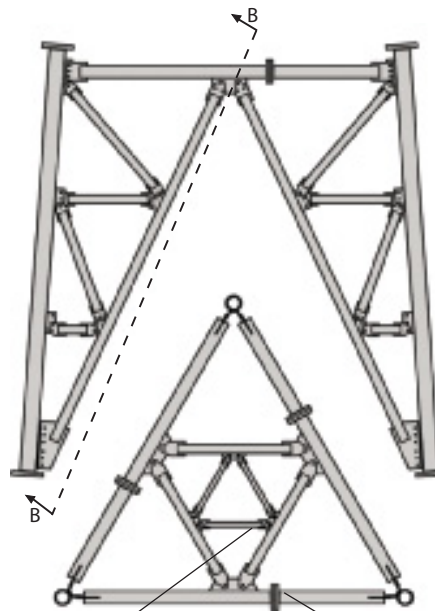
Typical section assembly
detail for sections K, L & M.



View A-A

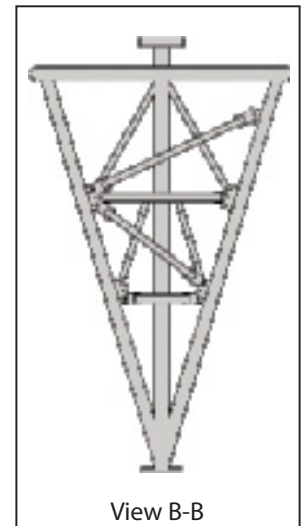
SSMW SECTIONS

Sections are designed for many different
sizes of braces and legs.



Typical section assembly
detail for sections N, P, Q,
R, S & T.

Secondary horizontal
sub-bracing are used on
sections Q, R, S & T.



View B-B

Bracing splice
connections are
used on sections
Q through T.

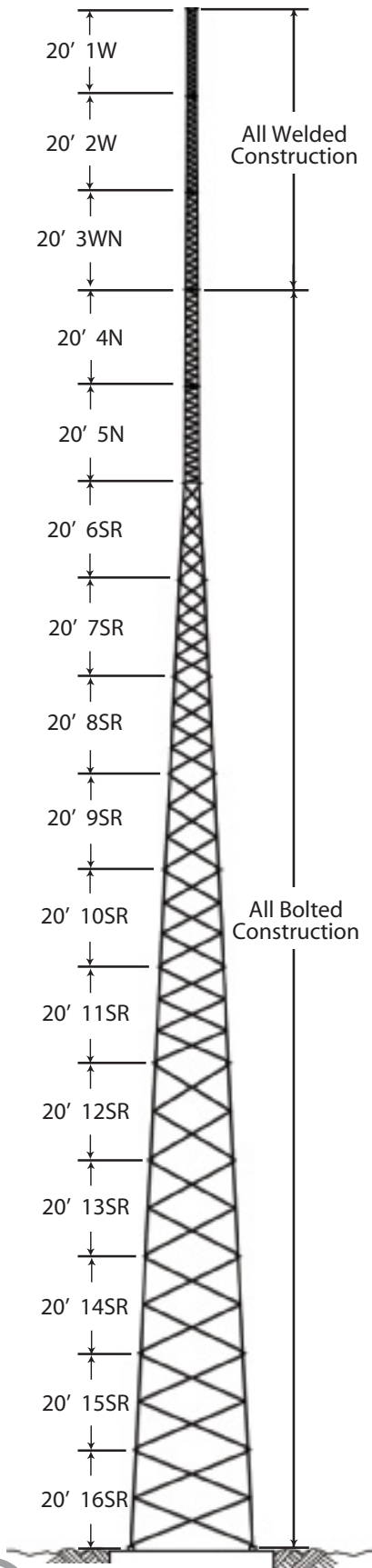


SSVSR SELF-SUPPORTING TOWERS

SSVSR

GENERAL USE

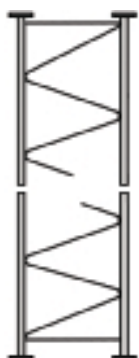
The ROHN SSVSR tower is similar in design to the ROHN SSV tower, but uses solid round legs instead of tubular legs. The SSVSR tower gives the versatility to switch to a solid leg, if desired. The standard side arms, dish mounts, ladders and waveguide supports that are used on the SSV tower can be used on the SSVSR tower. All SSVSR towers are hot-dip galvanized for corrosion protection.



| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|--------------|
| | Upper | Lower |
| 1W | 1' - 2" | 1' - 2" |
| 2W | 1' - 2" | 1' - 6" |
| 3WN | 1' - 6" | 1' - 10" |
| 4N | 1' - 10" | 2' - 2" |
| 5N | 2' - 2" | 2' - 6" |
| 6SR | 2' - 6" | 4' - 6 1/4" |
| 7SR | 4' - 6 1/4" | 6' - 6 3/4" |
| 8SR | 6' - 6 3/4" | 8' - 6 3/4" |
| 9SR | 8' - 6 3/4" | 10' - 6 3/4" |
| 10SR | 10' - 6 3/4" | 12' - 7 1/4" |
| 11SR | 12' - 7 1/4" | 14' - 7 7/8" |
| 12SR | 14' - 7 7/8" | 16' - 8 3/8" |
| 13SR | 16' - 8 3/8" | 18' - 8 3/8" |
| 14SR | 18' - 8 3/8" | 20' - 9 3/8" |
| 15SR | 20' - 9 3/8" | 22' - 9 3/8" |
| 16SR | 22' - 9 3/8" | 24' - 9 3/8" |

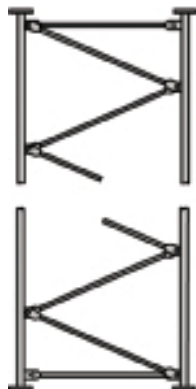
Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please contact ROHN for ordering information.

SELF-SUPPORTING SOLID ROUND LEG SECTIONS



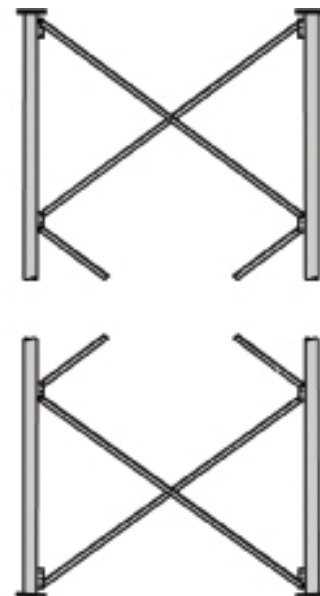
Bracing Detail for Sections 1W - 3WN
Solid Round Legs & Solid Round Braces

*Straight and Tapered Sections
available.*



Bracing Detail for Sections 4N & 5N
Solid Round Legs & Solid Round Braces

*Straight and Tapered Sections
available.*

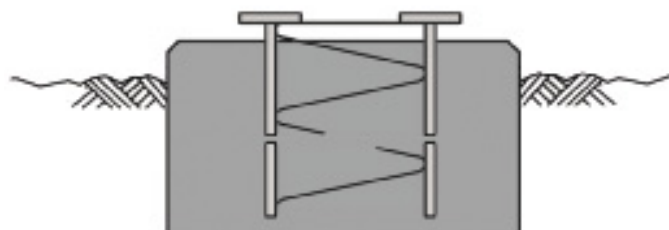


Bracing Detail for Straight Sections 6SR & 11SR
Solid Round Legs & Angle Braces



Bracing Detail for Tapered Sections 6SR - 16SR
Solid Round Legs & Angle Braces

TYPICAL SHORT BASE



Part No: SB2, SB3, SB4 & SB5
*Installed when 2N - 5N sections are
used as tower base.*

Anchor bolt configurations are provided with larger towers.

SSVSR SECTIONS

Sections are designed for many different
sizes of braces and legs.

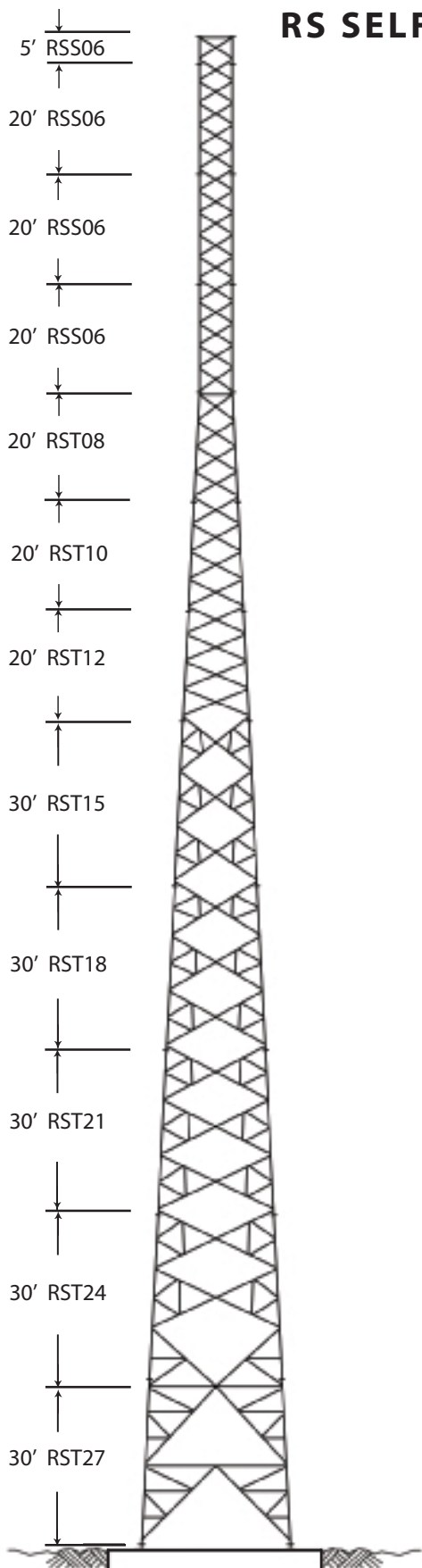


RS SELF-SUPPORTING TOWERS

RS

GENERAL USE

The ROHN RS tower is a unique solid round leg tower that uses angle braces in an X-Brace pattern. The RS tower is custom designed with standard components to shorten lead times. All RS towers are hot-dip galvanized for corrosion protection.



| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|-------|
| | Upper | Lower |
| RSS06 | 6' | 6' |
| RST08 | 6' | 8' |
| RST10 | 8' | 10' |
| RST12 | 10' | 12' |
| RST15 | 12' | 15' |
| RST18 | 15' | 18' |
| RST21 | 18' | 21' |
| RST24 | 21' | 24' |
| RST27 | 24' | 27' |

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

SELF-SUPPORTING RS SECTIONS



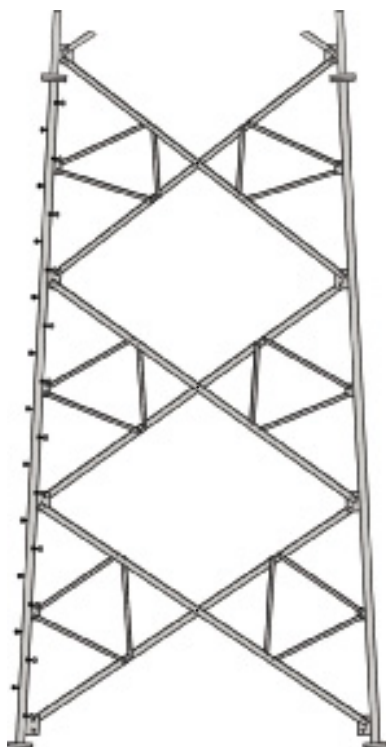
RSS 20' Straight Section
Solid Round Legs & Angle Braces



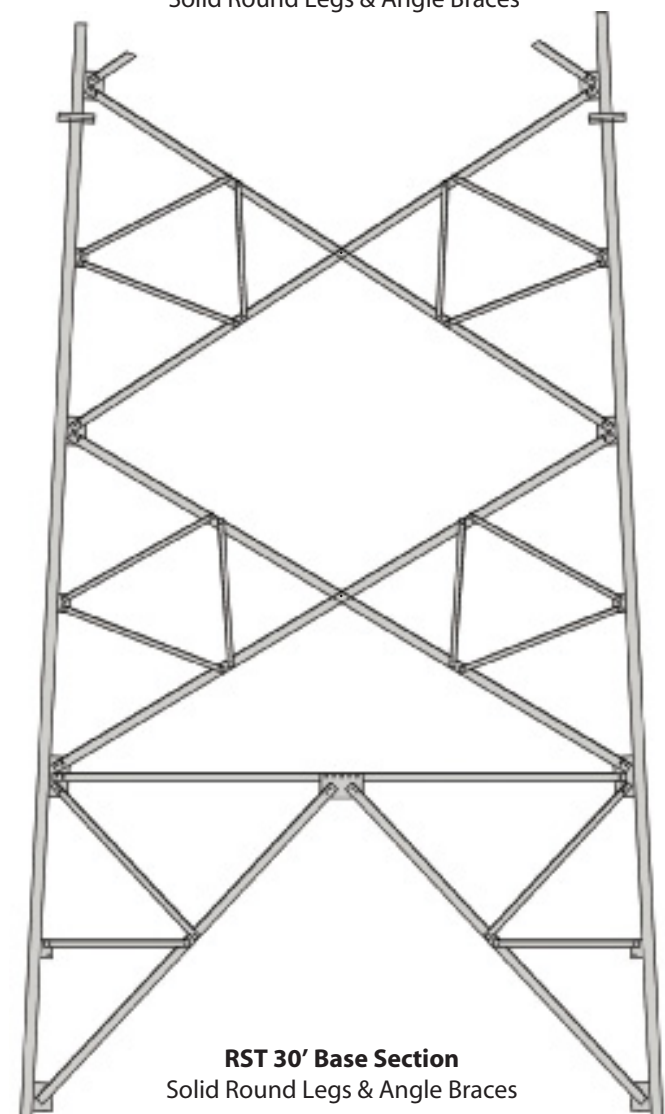
RST 20' Tapered Section
Solid Round Legs & Angle Braces

RS SECTIONS

Sections are designed for many different sizes of braces and legs.



RST 30' Tapered Section
Solid Round Legs & Angle Braces



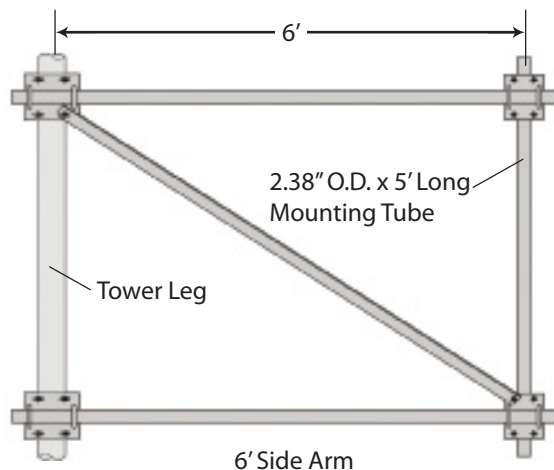
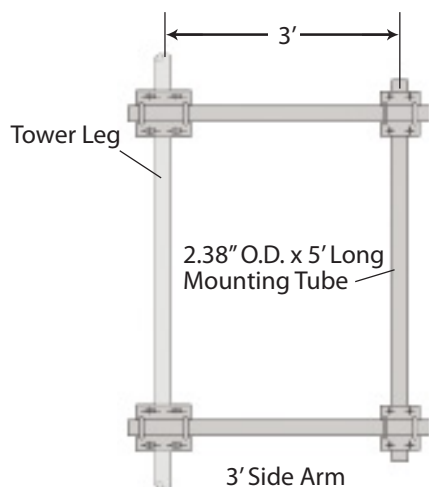
RST 30' Base Section
Solid Round Legs & Angle Braces

NOTES

TOWER & SITE ACCESSORIES



3' AND 6' SIDE ARMS, STRAIGHT/TAPERED TOWER SECTIONS



UNIVERSAL KITS

| 3' Side Arm | 6' Side Arm | Tower Leg O.D. |
|-------------|-------------|----------------|
| SA324A | SA624A | 2.38" - 4.50" |
| SA356A | SA656A | 5.56" - 6.63" |

LEG SPECIFIC KITS

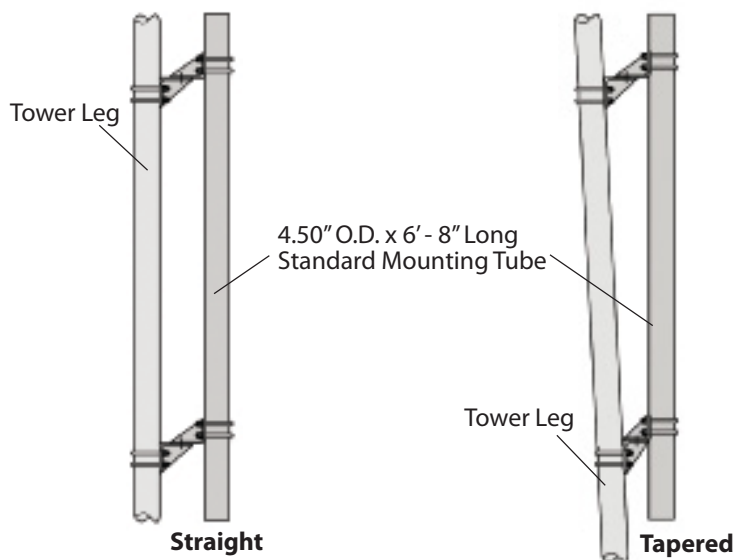
| 3' Side Arm | 6' Side Arm | Tower Leg O.D. |
|-------------|-------------|----------------|
| SA32PL | SA62PL | 2.38" |
| SA325PL | SA625PL | 2.88" |
| SA33PL | SA63PL | 3.50" |
| SA335PL | SA635PL | 4.00" |
| SA34PL | SA64PL | 4.50" |
| SA35PL | SA65PL | 5.56" |
| SA36PL | SA66PL | 6.63" |
| SA38PL | SA68PL | 8.63" |
| SA310PL | SA610PL | 10.75" |
| SA312PL | SA612PL | 12.75" |

Notes:

1. Standard tiebacks to the supporting structure are available for towers with 8.5 ft. or less face width.
2. To order tiebacks, include (1TB) for one or (2TB) for two after side arm assembly part number.
3. Custom side arms and tiebacks are available upon request.
4. Check for leg size to determine assembly number required.

All side arms are hot-dip galvanized and include all hardware to attach mount to tower.

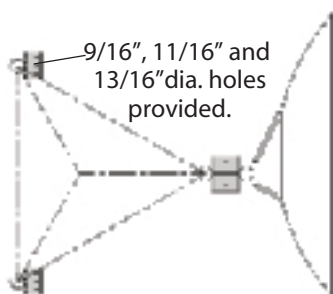
LEG DISH MOUNTS



| Straight Leg | |
|--------------|--|
| Part No. | Description |
| S24HUM | Fits leg sizes 2.38" O.D. - 4.50" O.D. |
| S56HUM | Fits leg sizes 5.50" O.D. - 6.63" O.D. |

| Tapered Leg | |
|-------------|--|
| Part No. | Description |
| T24HUM | Fits leg sizes 2.38" O.D. - 4.50" O.D. |
| T56HUM | Fits leg sizes 5.50" O.D. - 6.63" O.D. |

LEG TIE-BACK PLATE KIT



| Part No. | Leg O.D. |
|----------|----------|
| VY1949A | 2.38" |
| VY1950A | 2.88" |
| VY1951A | 3.50" |
| VY1952A | 4.00" |
| VY1953A | 4.50" |
| VY1954A | 5.50" |
| VY1955A | 6.63" |

Kits include (1) clip with u-bolts. Some dishes require (2) tie-backs.

TIE-BACK ASSEMBLIES

[Follow steps 1-4 to order]

Step 1:
Select tie-back tube.

Step 2:
Select angle bracket
kit (includes (2)
brackets).

Step 3:
Select u-bolt
kit (includes
(4) u-bolts).

(1) Tie-back plate kit
provided with mount,
9/16", 11/16" and 13/16"
dia. holes provided.

Step 4:
Select additional tie-back
plate kits, if required.

**All mounts and tie-back assemblies are hot-dip
galvanized and include all hardware to attach
mount to tower.**

Step 1. Select Tie-Back Tube Size & Length

| TS 6" x 6" x 3/16" | |
|--------------------|--------|
| Part No. | Length |
| TMT6LL05 | 5' |
| TMT6LL06 | 6' |
| TMT6LL08 | 8' |
| TMT6LL10 | 10' |
| TMT6LL12 | 12' |

| TS 6" x 6" x 1/4" | |
|-------------------|--------|
| Part No. | Length |
| TMT6L05 | 5' |
| TMT6L06 | 6' |
| TMT6L08 | 8' |
| TMT6L10 | 10' |
| TMT6L12 | 12' |

| TS 6" x 6" x 3/8" | |
|-------------------|--------|
| Part No. | Length |
| TMT6H05 | 5' |
| TMT6H06 | 6' |
| TMT6H08 | 8' |
| TMT6H10 | 10' |
| TMT6H12 | 12' |

Step 2. Select Angle Bracket Kit

Based on leg O.D.

| 4" Tube | |
|----------|---------------|
| Part No. | Leg O.D. |
| VY2911A | 1.90" - 5.56" |
| VY2912A | 6.63" - 8.63" |

| 6" Tube | |
|----------|-----------------|
| Part No. | Leg O.D. |
| VY4457A | 1.90" - 5.56" |
| VY4458A | 6.63" - 8.63" |
| VY4459A | 10.75" - 12.75" |

Step 3. Select U-Bolt Kit

Based on leg O.D.

| Part No. | Leg O.D. |
|----------|---------------|
| JR83AW4 | 1.90" - 2.38" |
| JR84AW4 | 2.88" |
| JR88AW4 | 3.50" |
| JR89AW4 | 4.00" |
| JR85AW4 | 4.50" |
| JR86AW4 | 5.56" |
| JR87AW4 | 6.63" |
| JR90SAW4 | 8.63" |
| JR110AW4 | 10.75" |
| JR120AW4 | 12.75" |

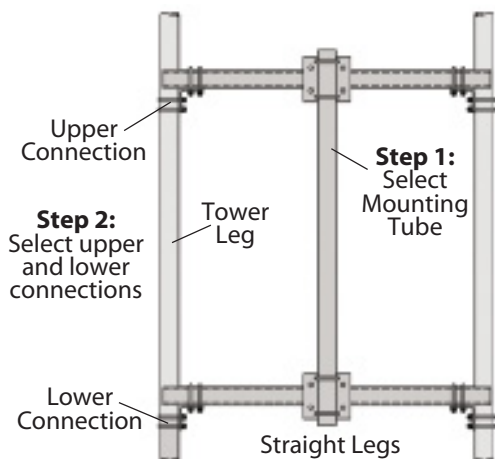
Step 4. Select Additional Tie-Back Plate

Kits (if required).

| Part No. | Tube Size |
|----------|-----------|
| AP34T4 | 4" |
| AP6T2 | 6" |

FACE DISH MOUNTS

[FOLLOW STEPS 1-3 TO ORDER]



ORDERING INFORMATION:

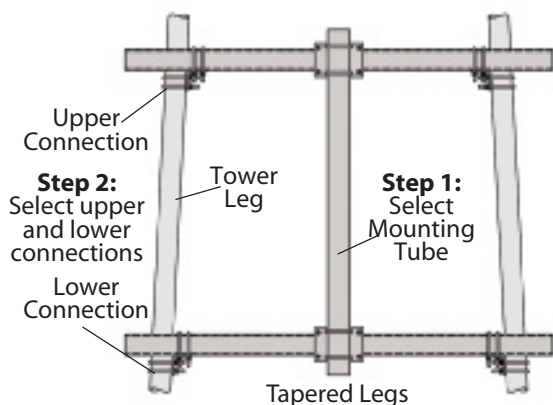
Step 1. Select Mounting Tube Length (4.50" O.D. x 0.237" wall)

| Straight Leg | |
|--------------|--------------------|
| Part No. | Tube Description |
| DMF4T050S | 4.50" O.D. x 5' |
| DMF4T068S | 4.50" O.D. x 6.67' |
| DMF4T100S | 4.50" O.D. x 10' |

| Tapered Leg | |
|-------------|--------------------|
| Part No. | Tube Description |
| DMF4T050T | 4.50" O.D. x 5' |
| DMF4T068T | 4.50" O.D. x 6.67' |
| DMF4T100T | 4.50" O.D. x 10' |

Step 2. Select Upper and Lower Connections

Because leg O.D. may be different at upper and lower connections, select one part number for upper and one part number for lower.

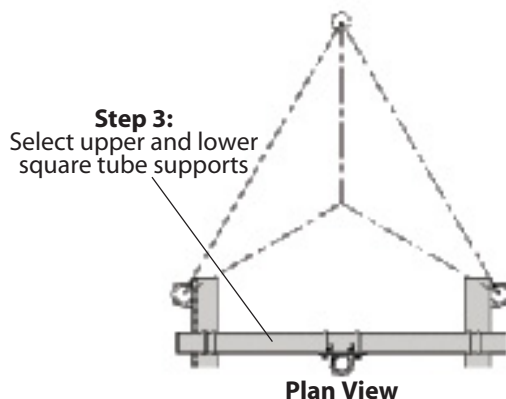


| Straight or Tapered Legs | |
|--------------------------|---------------|
| Part No. | Leg O.D. |
| JR83AW4 | 1.90" - 2.38" |
| JR84AW4 | 2.88" |
| JR88AW4 | 3.50" |
| JR89AW4 | 4.00" |
| JR85AW4 | 4.50" |
| JR86AW4 | 5.56" |

(2) Brackets are included with each kit.

Step 3. Select Square Tube Supports

Based on required strength and length. Select (1) part number for upper support and (1) part number for lower support.

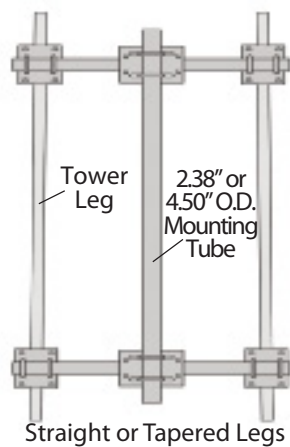


| 4" x 4" x 11GA | |
|----------------|--------|
| Part No. | Length |
| TMT4L05 | 5' |
| TMT4L06 | 6' |
| TMT4L08 | 8' |
| TMT4L10 | 10' |

| 4" x 4" x .25" | |
|----------------|--------|
| Part No. | Length |
| TMT4H05 | 5' |
| TMT4H06 | 6' |
| TMT4H08 | 8' |
| TMT4H10 | 10' |

| 4" x 4" x .375" | |
|-----------------|--------|
| Part No. | Length |
| TMT4XH05 | 5' |
| TMT4XH06 | 6' |
| TMT4XH08 | 8' |
| TMT4XH10 | 10' |

FACE MOUNT KITS

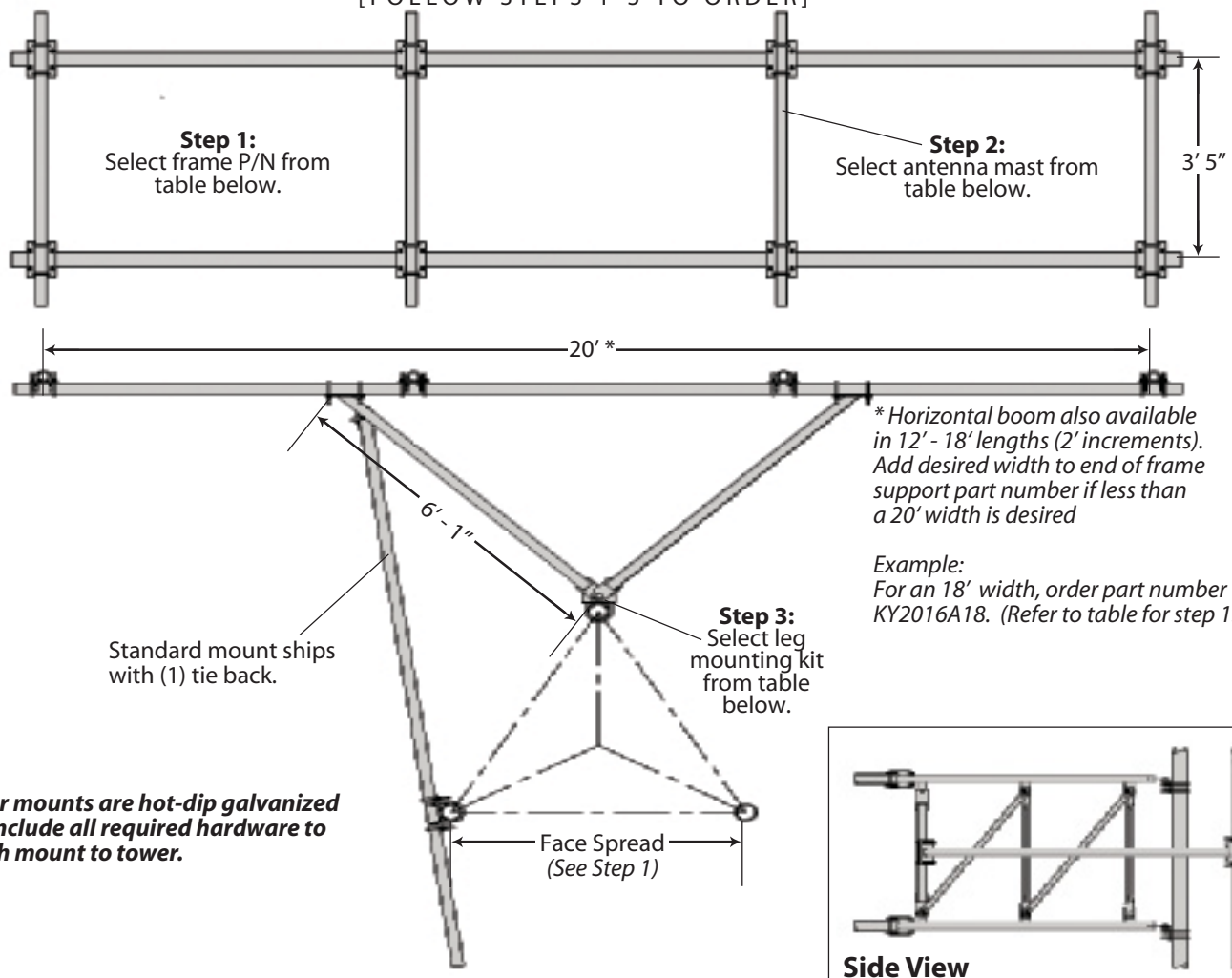


LIGHTWEIGHT FACE MOUNT KITS
FITS MIN. FACE WIDTH 18" TO MAX. FACE WIDTH 30",
LEG SIZES 1" TO 1 3/4" O.D.

| Part No. | Mounting Tube |
|----------|------------------------------------|
| FM35NU2 | 2.38" O.D. x 0.154" wall x 5' Long |
| FM35NU4 | 4.50" O.D. x 0.237" wall x 5' Long |

Face dish mounts are hot-dip galvanized and include all required hardware to attach mount to tower.

SECTOR MOUNT [FOLLOW STEPS 1-3 TO ORDER]



Sector mounts are hot-dip galvanized and include all required hardware to attach mount to tower.

SECTOR MOUNT ORDERING INFORMATION (Qty. is for (1) sector only)

Step 1. Select frame P/N based on tower face spread.

| Frame Support Assembly Straight Leg | |
|-------------------------------------|--------------------|
| Part No. | Face Spread |
| KY2016A | 8' Max. |
| KY1993A | 8' Min. - 14' Max. |

| Frame Support Assembly Tapered Leg | |
|------------------------------------|--------------------|
| Part No. | Face Spread |
| KY2006A | 8' Max. |
| KY2015A | 8' Min. - 14' Max. |

Step 2. Select antenna mast kits (2 min.) (1) Kit per mast tube

| Antenna Mast Kit | |
|------------------|------------------------------------|
| Part No. | Mast |
| VY4935A | 2.38" O.D. (0.154" wall) x 5' Long |
| VY4935A8 | 2.38" O.D. (0.218" wall) x 8' Long |

Step 3. Select leg mounting kit.

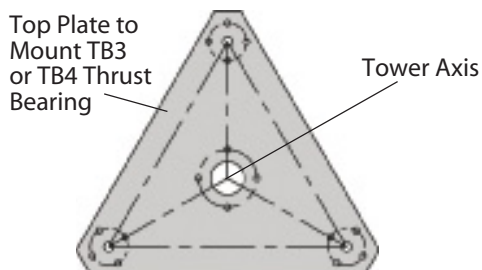
| Leg Mounting Kit Straight Leg | |
|-------------------------------|------------|
| Part No. | Leg O.D. |
| KY1994A | 2.38" O.D. |
| KY1995A | 2.88" O.D. |
| KY1996A | 3.50" O.D. |
| KY1997A | 4.00" O.D. |
| KY1998A | 4.50" O.D. |
| KY1999A | 5.56" O.D. |
| KY2000A | 6.63" O.D. |
| KY2001A | 8.63" O.D. |

| Leg Mounting Kit Tapered Leg | |
|------------------------------|------------|
| Part No. | Leg O.D. |
| KY2007A | 2.38" O.D. |
| KY2008A | 2.88" O.D. |
| KY2009A | 3.50" O.D. |
| KY2010A | 4.00" O.D. |
| KY2011A | 4.50" O.D. |
| KY2012A | 5.56" O.D. |
| KY2013A | 6.63" O.D. |
| KY2014A | 8.63" O.D. |

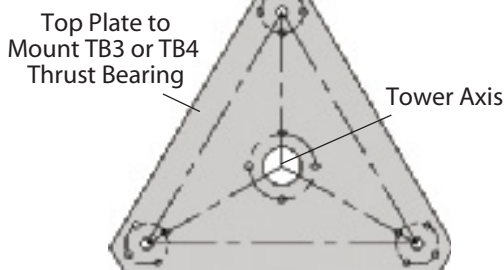
ROTOR PLATE ASSEMBLIES FOR ROHN STANDARD SELF-SUPPORTING TOWERS

Rotor plate accessories are hot-dip galvanized and include all required hardware to attach assemblies to tower.

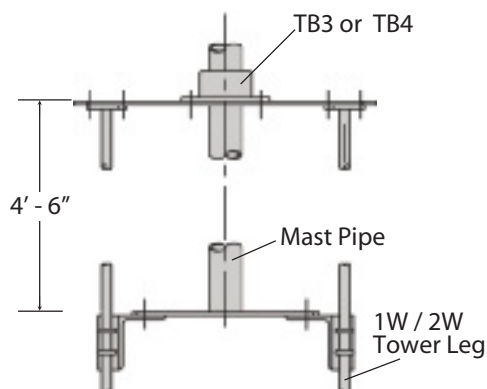
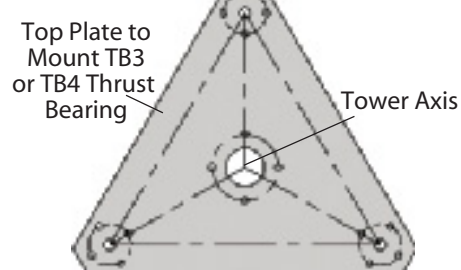
1W / 2W



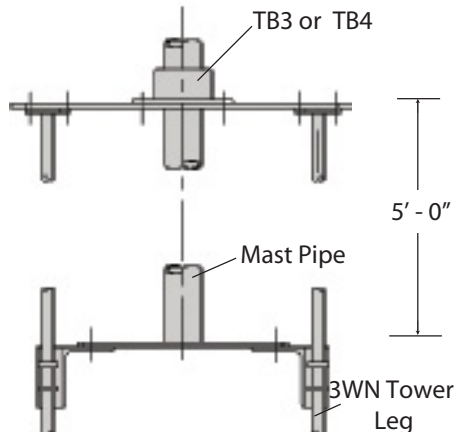
3WN



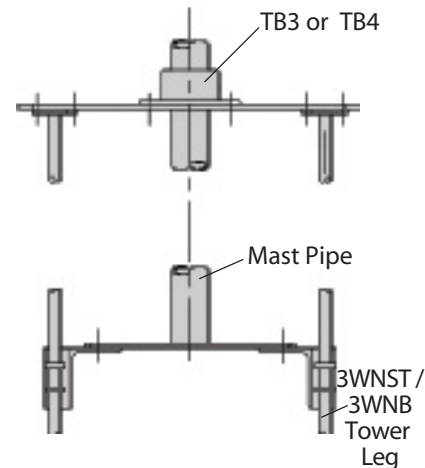
3WNST / 3WNB



P/N: VU479A



P/N: VU474A



P/N: VU140

NOTES:

1. All plates are 3/8" thick
2. Rotor top plates are pre-drilled to fit a variety of rotors.
3. Rotor plate assembly includes top plate and rotor plate.
4. Mast pipe, rotor and thrust bearing must be ordered separately.

SAFETY & CLIMBING G-SERIES TOWERS | POLES

SAFETY CABLE - TOWERS

| Description | Part Number |
|------------------|-------------|
| 50' - 25G tower | TT05025 |
| 100' - 25G tower | TT10025 |
| 150' - 25G tower | TT15025 |
| 200' - 25G tower | TT20025 |

| Description | Part Number |
|----------------------|-------------|
| 50' - 45G/55G tower | TT0504555 |
| 100' - 45G/55G tower | TT1004555 |
| 150' - 45G/55G tower | TT1504555 |
| 200' - 45G/55G tower | TT2004555 |
| 250' - 45G/55G tower | TT2504555 |
| 300' - 45G/55G tower | TT3004555 |
| 350' - 45G/55G tower | TT3504555 |

| Description | Part Number |
|------------------|-------------|
| 50' - 65G tower | TT05065 |
| 100' - 65G tower | TT10065 |
| 150' - 65G tower | TT15065 |
| 200' - 65G tower | TT20065 |
| 250' - 65G tower | TT25065 |
| 300' - 65G tower | TT30065 |
| 350' - 65G tower | TT35065 |
| 400' - 65G tower | TT40065 |
| 450' - 65G tower | TT45065 |
| 500' - 65G tower | TT50065 |

SAFETY CABLE - POLES

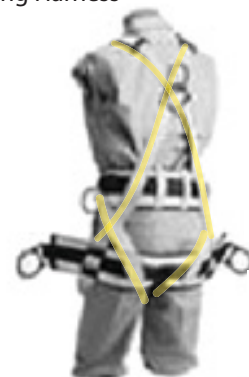
| Description | Part No. | Cable (ft.) | # Guides |
|--------------------------------|------------|-------------|----------|
| 25' - Pole | TT025TSP | 35 | 1 |
| 50' - Pole | TT050TSP | 60 | 2 |
| 100' - Pole | TT100TSP | 110 | 4 |
| 150' - Pole | TT150TSP | 160 | 6 |
| 200' - Pole | TT200TSP | 210 | 8 |
| 250' - Pole | TT250TSP | 260 | 10 |
| Step Anchor Bracket | TTSBAB | - | - |
| Additional 4" Stud Cable Guide | TT115317-4 | - | - |

HARNESS & SLIDER

| Description | Part Number |
|---------------------------|-----------------|
| 4-D Ring Climbing Harness | TTFBH-4D |
| Professional Harness | TTFBH-C/P |
| Safety Cable Slider | TT-WG-500-W/SMC |



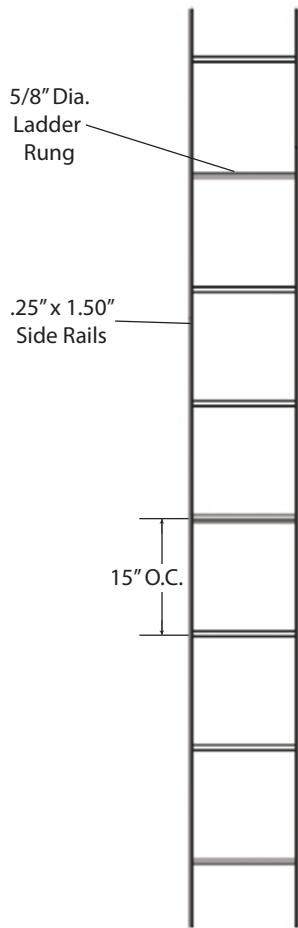
Climbing Harness

Safety Cable Slider
with Carabiner

SAFETY CABLE SYSTEM FOR CLIMBING LADDERS - TOWERS

| Description | Part Number |
|----------------------|-------------|
| 50' Climbing Ladder | TT050LAD |
| 100' Climbing Ladder | TT100LAD |
| 150' Climbing Ladder | TT150LAD |
| 200' Climbing Ladder | TT200LAD |
| 250' Climbing Ladder | TT250LAD |
| 300' Climbing Ladder | TT300LAD |

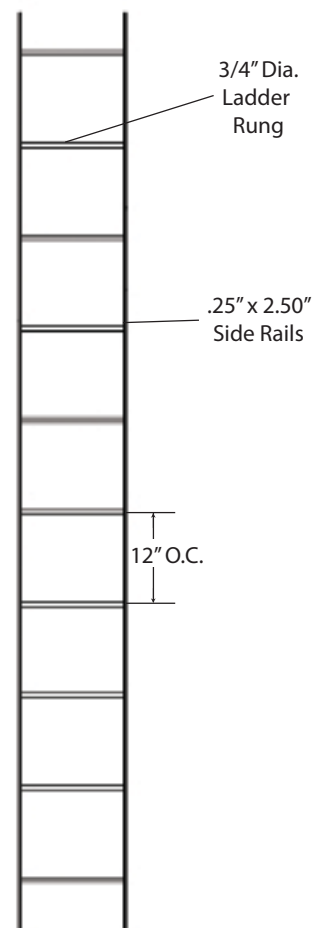
CLIMBING LADDERS



STANDARD LADDER

NL10 - 10' ladder

NL20 - 20' ladder



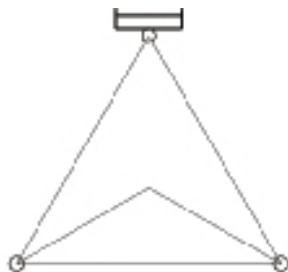
HEAVY DUTY LADDER

HL161A - 10' ladder

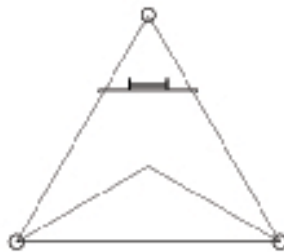
HL162A - 20' ladder

Part number for ladder section only. Mounting kit must be ordered separately.

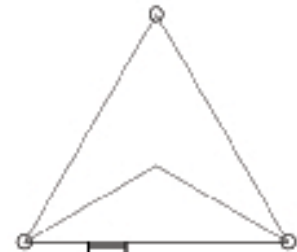
CONFIGURATIONS



Leg Mounted



Inside Corner Mounted

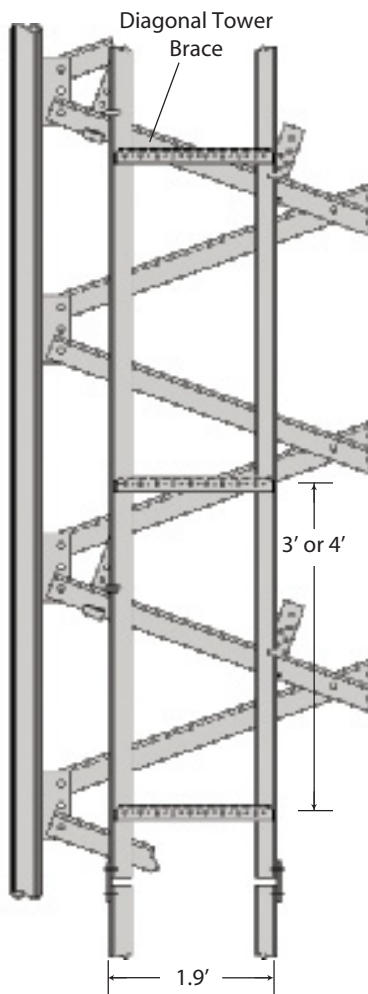


Face Mounted

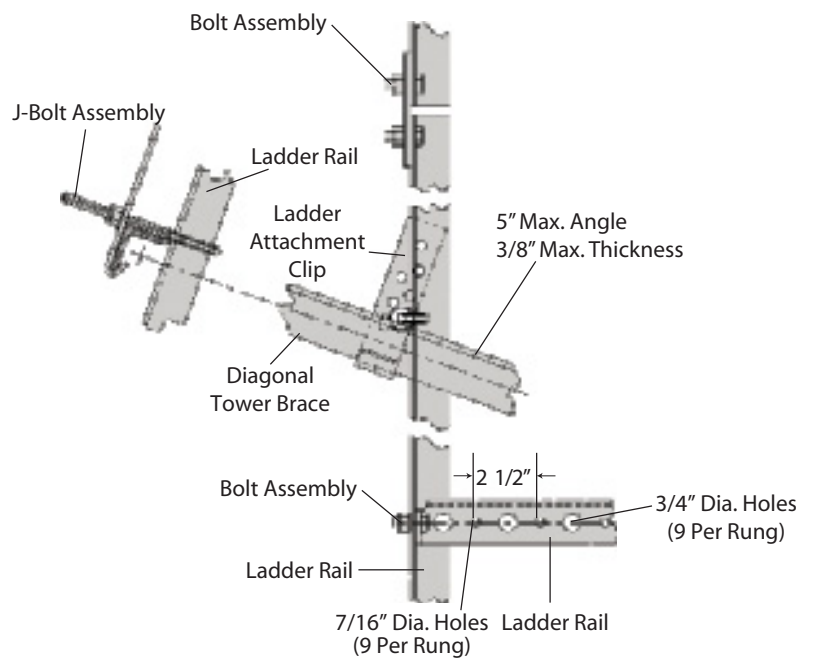
Notes:

1. Ladders are available for most ROHN standard tower sections.
2. All ROHN climbing devices are intended for use by professional (competent climbers) only.
3. Specify ladder type and configuration when ordering.
4. Custom configurations and mounting options available.
5. A safety climb system is required for all structures greater than 10' in height.

WAVEGUIDE LADDER FACE MOUNTED 9-HOLE



Waveguide Ladder Elevation



ORDERING INFORMATION

WL20F93KD

20' Long Waveguide Ladder (3' rung spacing)

WL20F94KD

20' Long Waveguide Ladder (4' rung spacing)

WL10F93KD

10' Long Waveguide Ladder (3' rung spacing)

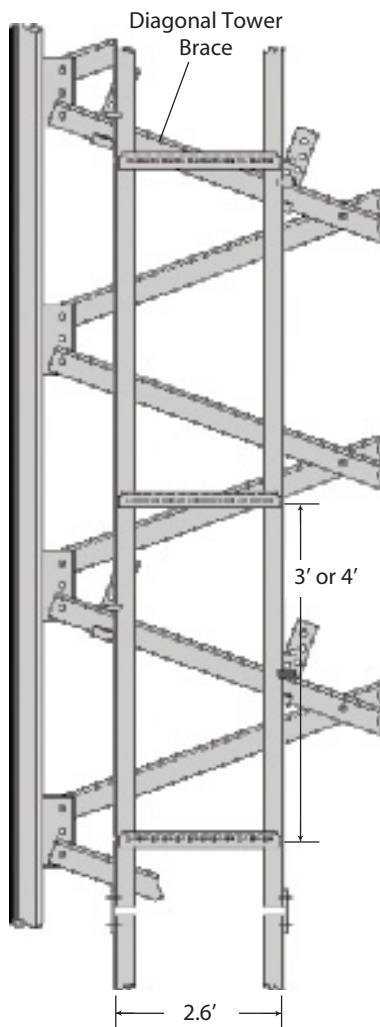
WL10F94KD

10' Long Waveguide Ladder (4' rung spacing)

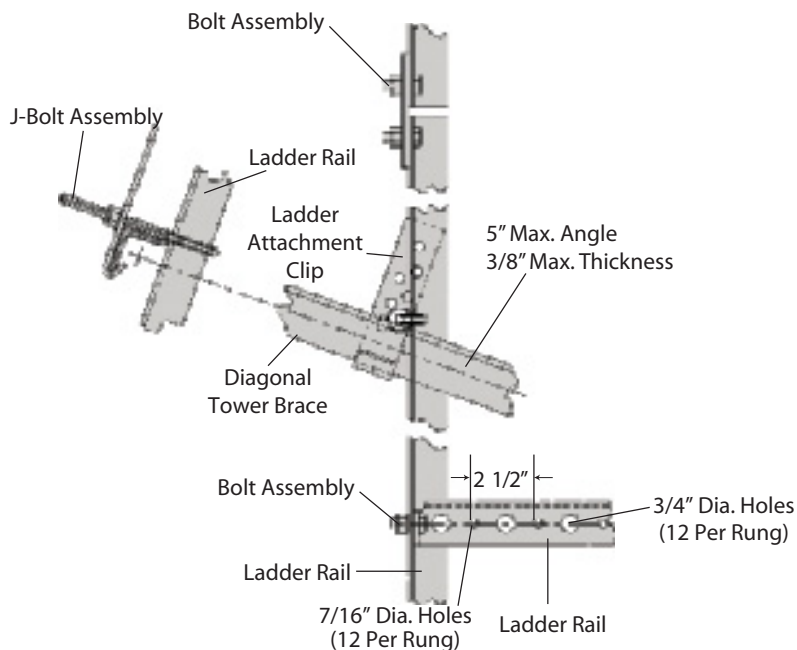
Notes:

1. Waveguide ladder may be moved horizontally for the proper alignment.
2. Waveguide ladder may be mounted inside or outside of tower as required.

WAVEGUIDE LADDER FACE MOUNTED 12-HOLE



Waveguide Ladder Elevation



ORDERING INFORMATION

WL20F123KD

20' Long Waveguide Ladder (3' rung spacing)

WL20F124KD

20' Long Waveguide Ladder (4' rung spacing)

WL10F123KD

10' Long Waveguide Ladder (3' rung spacing)

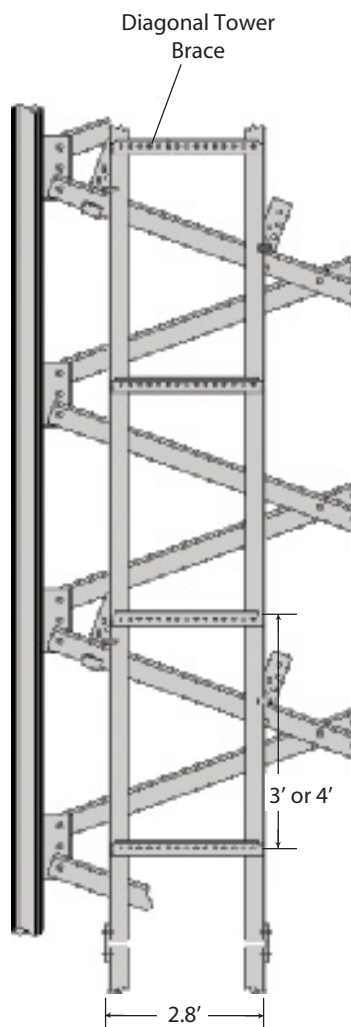
WL10F124KD

10' Long Waveguide Ladder (4' rung spacing)

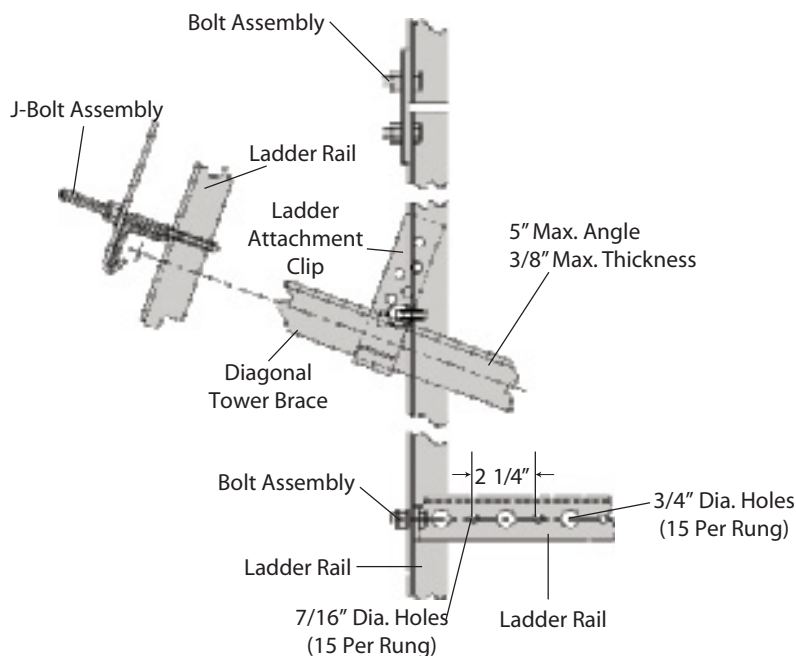
Notes:

1. Waveguide ladder may be moved horizontally for the proper alignment.
2. Waveguide ladder may be mounted inside or outside of tower as required.

WAVEGUIDE LADDER FACE MOUNTED 15-HOLE



Waveguide Ladder Elevation



ORDERING INFORMATION

WL20F153KD

20' Long Waveguide Ladder (3' rung spacing)

WL20F154KD

20' Long Waveguide Ladder (4' rung spacing)

WL10F153KD

10' Long Waveguide Ladder (3' rung spacing)

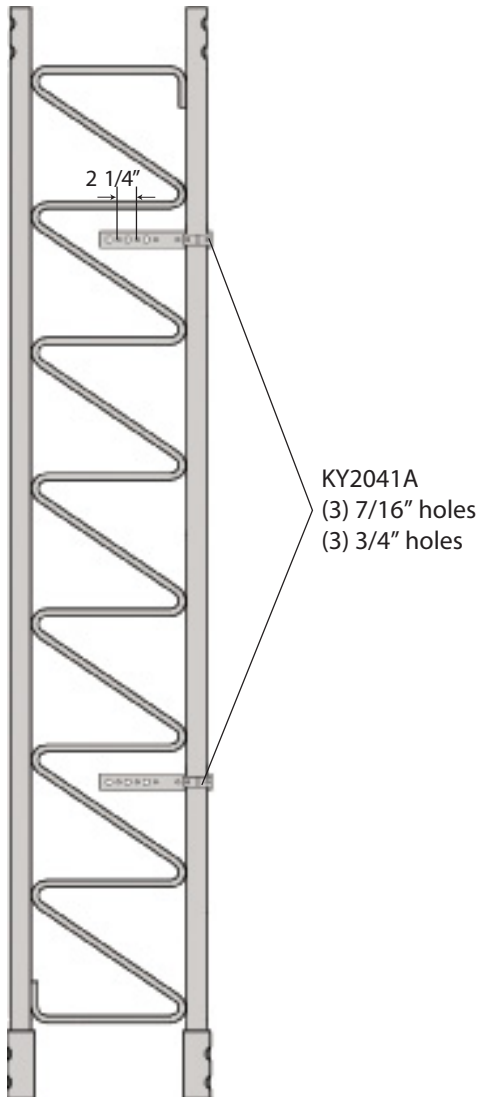
WL10F154KD

10' Long Waveguide Ladder (4' rung spacing)

Notes:

1. Waveguide ladder may be moved horizontally for the proper alignment.
2. Waveguide ladder may be mounted inside or outside of tower as required.

WAVEGUIDE BRACKETS 3-HOLE



Waveguide Bracket Elevation

ORDERING INFORMATION

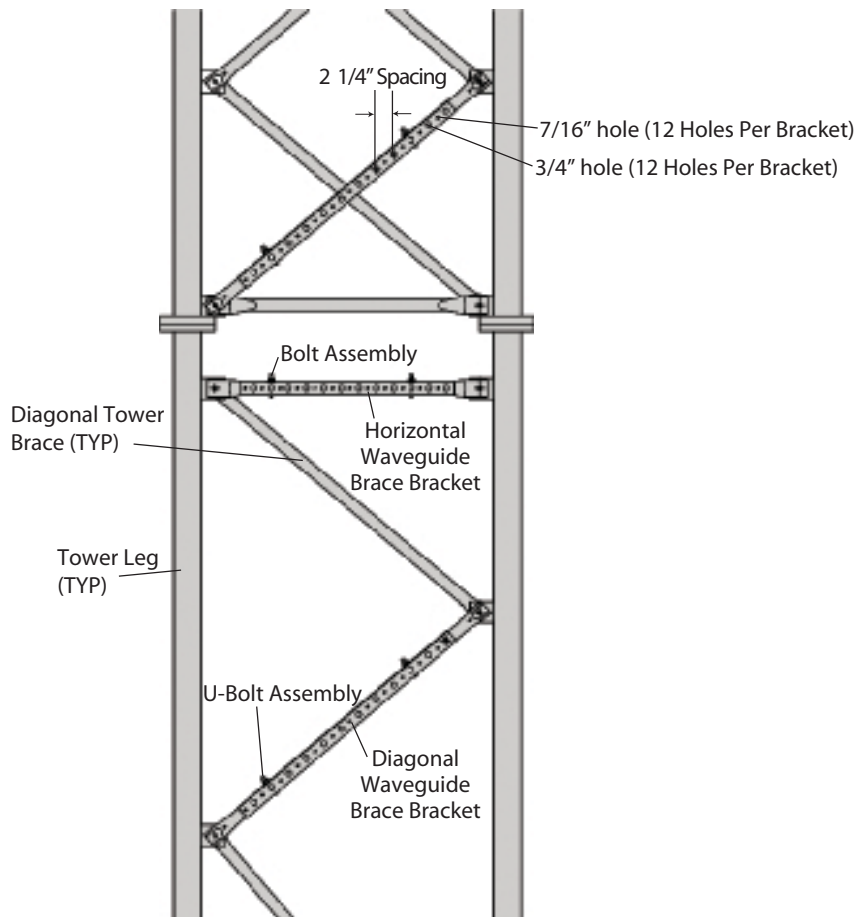
KY2041A

Notes:

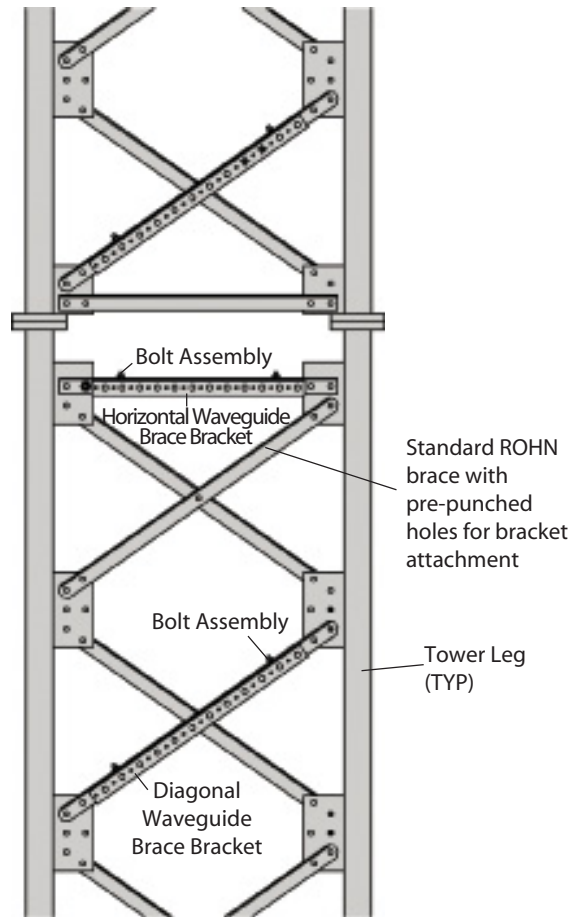
1. Kit includes (1) bracket with required mounting hardware.
2. Assembly used for mounting to 3/4" - 2 1/4" O.D. legs.
3. (5) KY2041A required per 20' of tower for 4' O.C. spacing.

WAVEGUIDE BRACKETS

12-HOLE (80 SERIES)



Tubular Bracing
1 1/2" Diameter



Angle Bracing
1 3/4" x 3/16"
2" x 1/4"

ORDERING INFORMATION

WAF801211

(Horizontals)

Order 1 per 15' or 20' section

WAF801212

(Diagonals)

Order 3 per 15' section

Order 4 per 20' section

ORDERING INFORMATION

WAF801213

(Horizontals)

Order 1 per 15' or 20' section

WAF801214

(2" Diagonals)

Order 3 per 15' section

Order 4 per 20' section

WAF801215

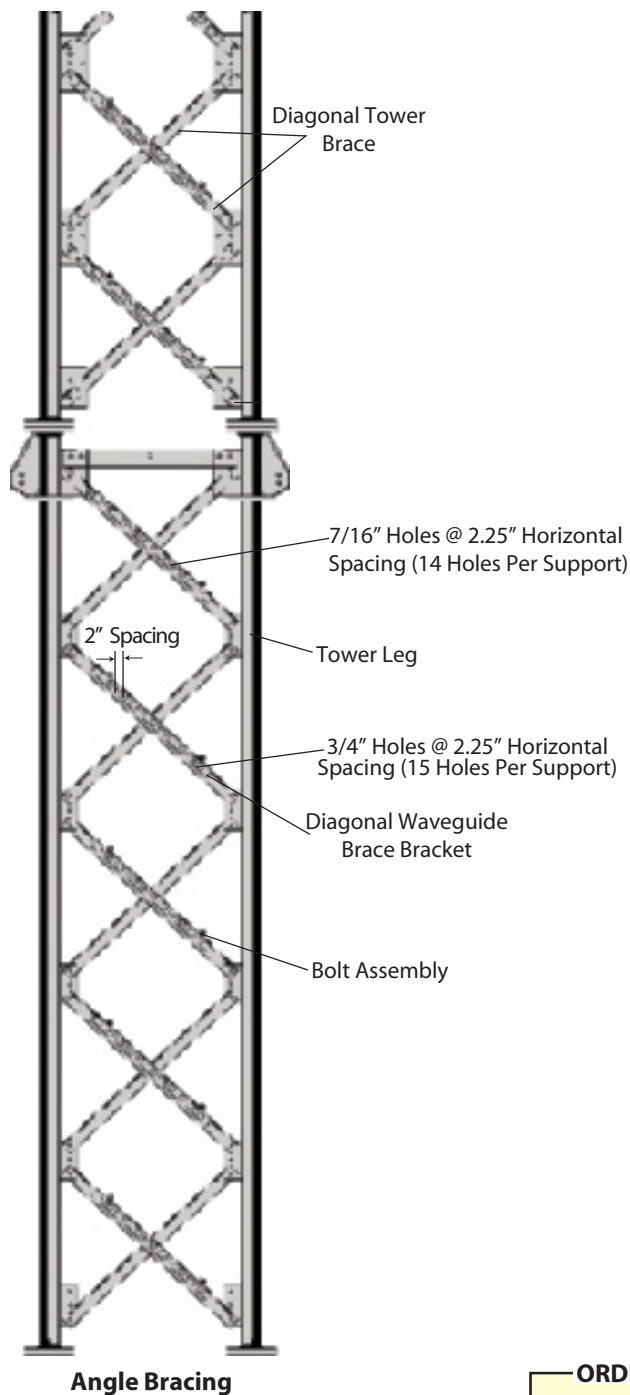
(1 3/4" Diagonals)

Order 3 per 15' section

Order 4 per 20' section

NOTE: These assemblies may be mounted on the inside or outside face of the tower.

WAVEGUIDE BRACKETS 15-HOLE (90 SERIES)

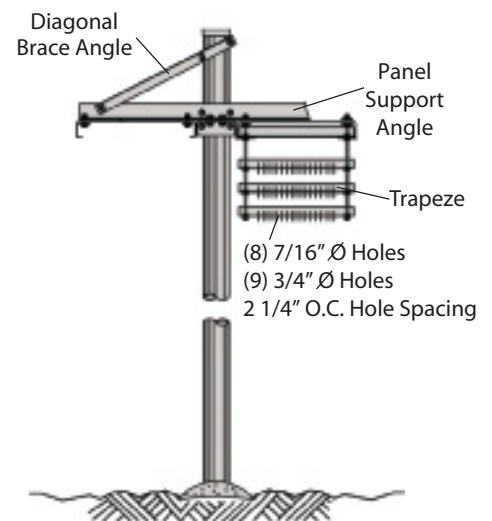
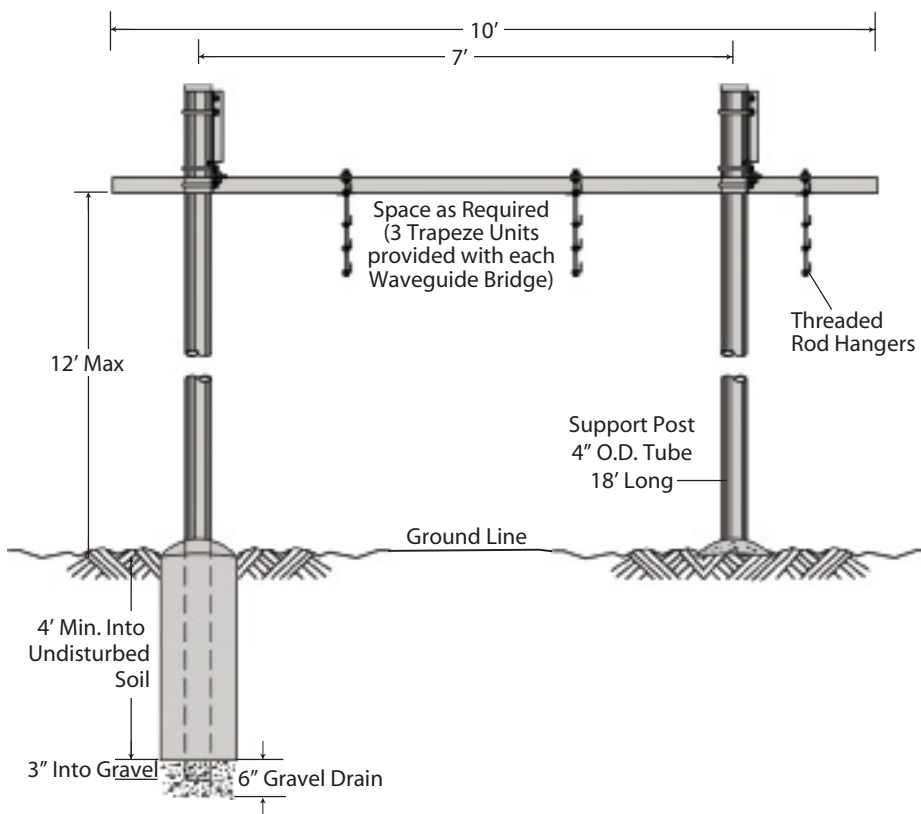
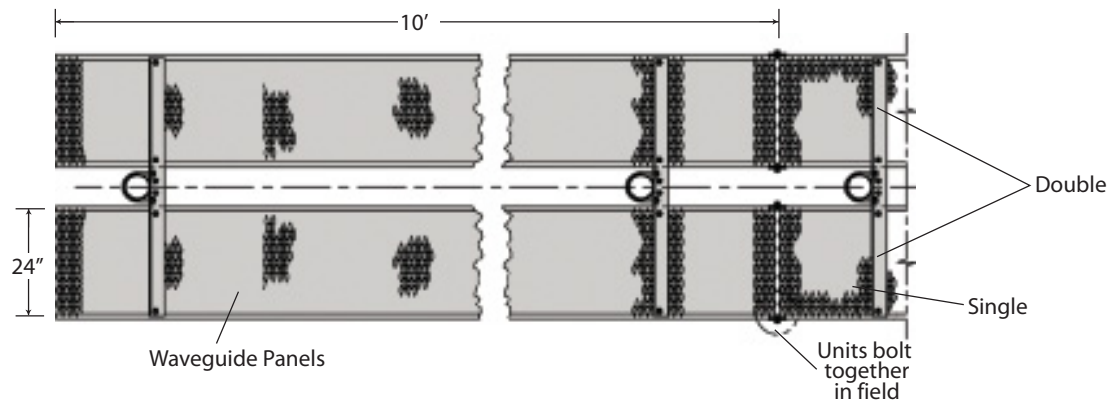


ORDERING INFORMATION

WAF901521
Angle Waveguide Support
& Bolt Assembly

Order (1) assembly part number WAF901521 for each diagonal brace bay that waveguides cross in a section. (Ex. (5) WAF901521 for a 20' tower section, (3) WAF901521 for a 12' tower section, etc.). This assembly may be mounted on outside of tower as shown or on inside as required.

HEAVY DUTY WAVEGUIDE BRIDGE 10' SINGLE / DOUBLE



ORDERING INFORMATION

WGBS2410

Single Wide Bridge
2 Posts, 1 Bridge Panel (24" W x 10' L)
(3) Trapeze Units

WGBD2410

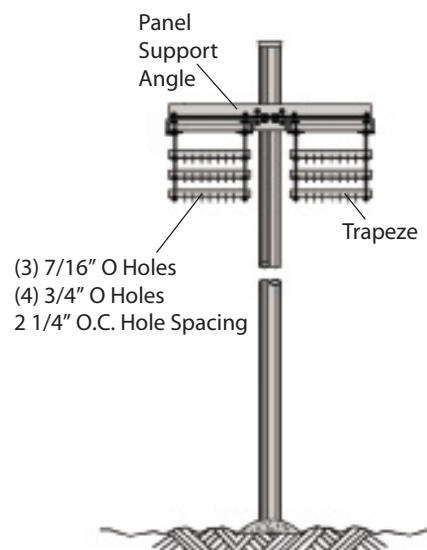
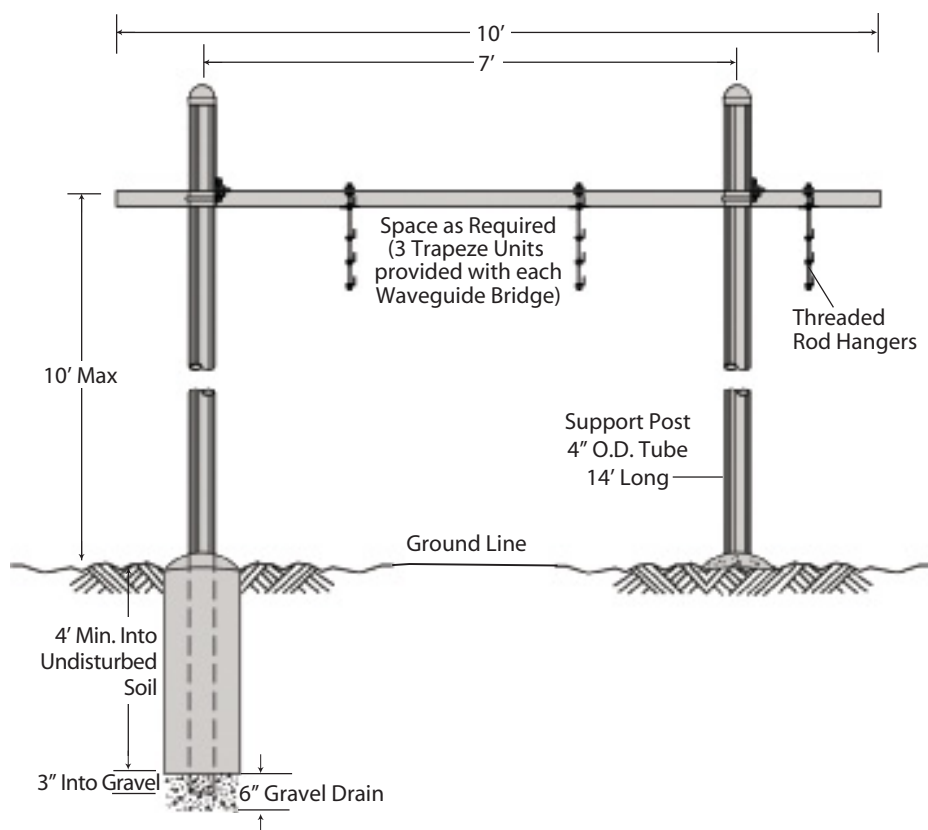
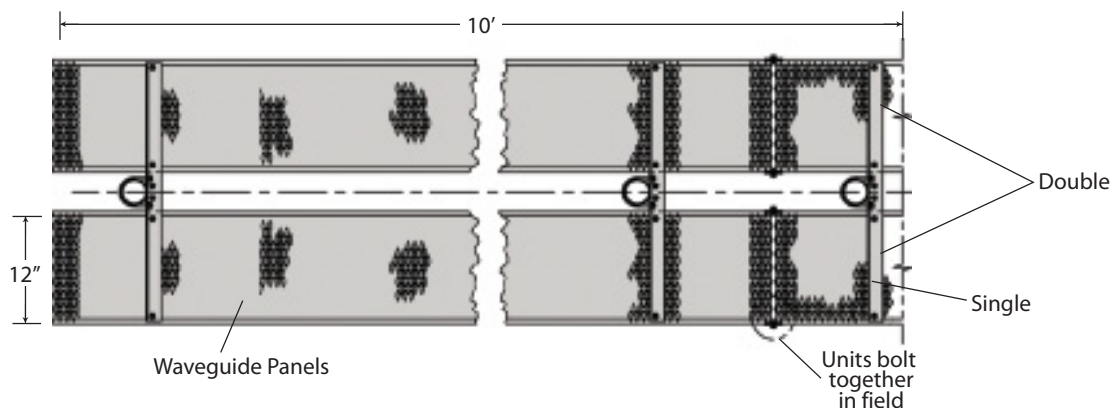
Double Bridge
2 Posts, 2 Bridge Panels (24" W x 10' L, each)
(6) Trapeze Units

Notes:

1. Waveguide bridge is not designed to support personnel or equipment.

LIGHT DUTY WAVEGUIDE BRIDGE

10' SINGLE / DOUBLE



Notes:

1. Waveguide bridge is not designed to support personnel or equipment.

— ORDERING INFORMATION —

WGBS121014

Single Wide Bridge

2 Posts, 1 Bridge Panel (12" W x10' L)
(3) Trapeze Units

WGBD121014

Double Bridge

2 Posts, 2 Bridge Panels (12" W x 10' L, each)
(6) Trapeze Units

POLE MOUNTS

GENERAL NOTES:

1. THIS PLATFORM IS TO BE USED FOR POLE DIAMETERS FROM 12" TO 30".
2. PAL NUTS ARE PROVIDED FOR ALL CONNECTIONS.

ORDERING INFORMATION

- (1) RUGGED15P OR RUGGED15PH
(1) RING MOUNT (SEE DWG-0303)

OPTIONAL ACCESSORIES

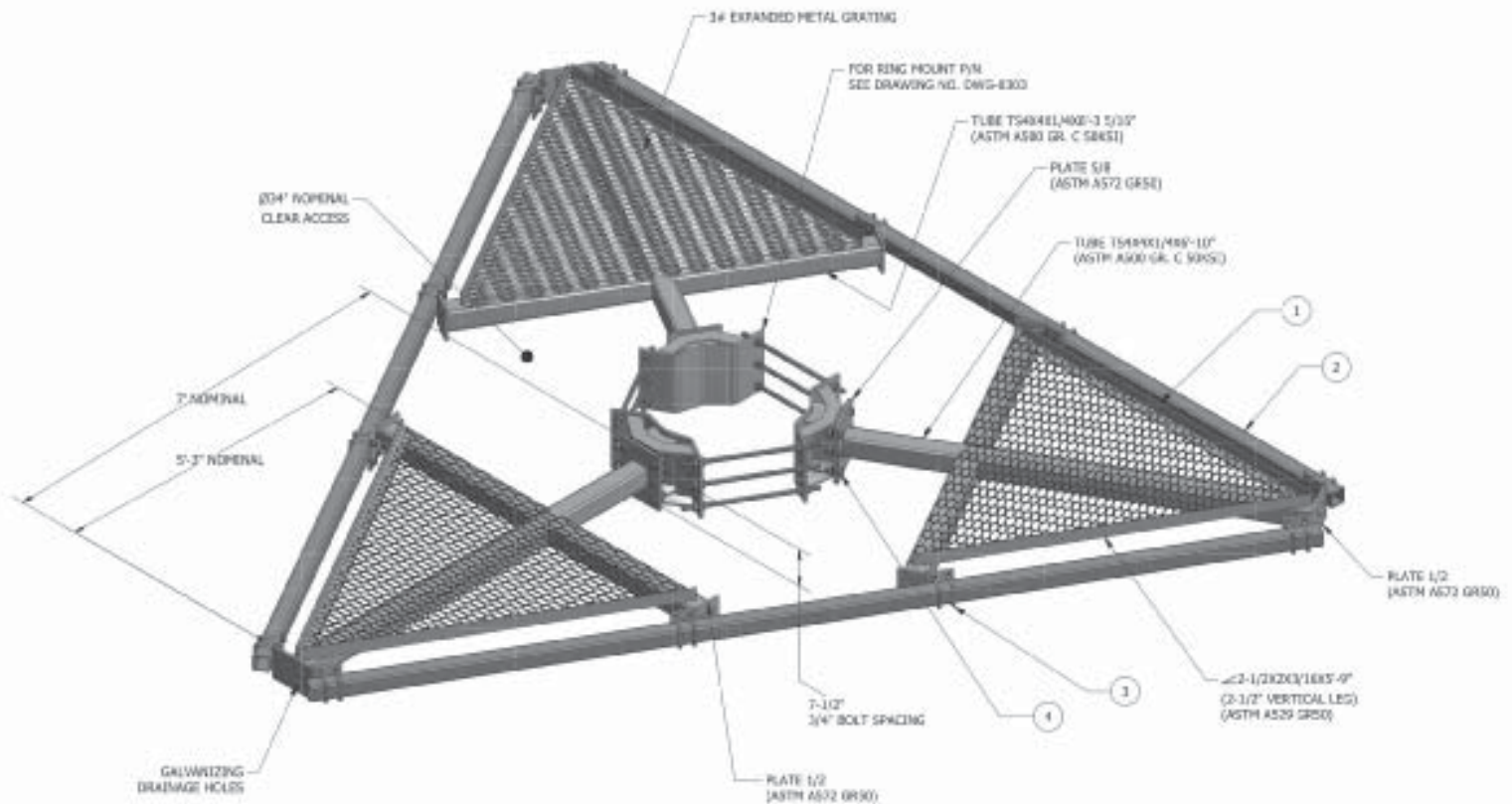
1. FOR ANTENNA MOUNTING PIPES
SEE DRAWING NO. DWG-0329
2. FOR HANDRAIL KIT SEE DRAWING
NO. DWG-0962

ASSEMBLY P/N: RUGGED15P
(3" SQ. MOUNTING TUBE)

| BILL OF MATERIALS | | | |
|-------------------|-----|-------------|---|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 3 | TJ015 | WORK PLATFORM PANEL 6.36'X6.92' |
| 2 | 3 | TJ029 | TS 3X3X1/4X176" (ASTM A500 GR.C 50KSI) |
| 3 | 24 | JR816AW | U-BOLT ASSY SQUARE 1/2 X 3-5/8 (ASTM A36) |
| 4 | 18 | Z10049GA | BOLT ASSY 3/4 X 2-1/2 HSB A325 |

ASSEMBLY P/N: RUGGED15PH
(3-1/2" SQ. MOUNTING TUBE)

| BILL OF MATERIALS | | | |
|-------------------|-----|-------------|--|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 3 | TJ015 | WORK PLATFORM PANEL 6.36'X6.92' |
| 2 | 3 | TJ035 | TS 3-1/2X3-1/2X1/4X176" (ASTM A500 GR.C 50KSI) |
| 3 | 24 | JR818AW | U-BOLT ASSY SQUARE 1/2 X 4-1/8 (ASTM A36) |
| 4 | 18 | Z10049GA | BOLT ASSY 3/4 X 2-1/2 HSB A325 |





POLE MOUNTS

GENERAL NOTES:

1. THIS HANDRAIL KIT IS TO BE USED ON THE RUGGED15P AND THE RUGGED15PH PLATFORMS.
2. PLATFORM IS TO BE USED FOR POLE DIAMETERS FROM 12" TO 30".
3. PAL NUTS ARE PROVIDED FOR ALL CONNECTIONS.

ORDERING INFORMATION

- (1) RUGGED15TR
(9) VERTICAL HANDRAIL PIPES (SEE PIPE CHART)

OPTIONAL ACCESSORIES

FOR ADDITIONAL VERTICAL HANDRAIL
SUPPORT ASSEMBLIES ORDER:

P/N: KH8484A5 (5' PIPE)

P/N: KH8484A68 (6'-8" PIPE)

P/N: KH8484A8 (8' PIPE)

P/N: KH8484A10 (10' PIPE)

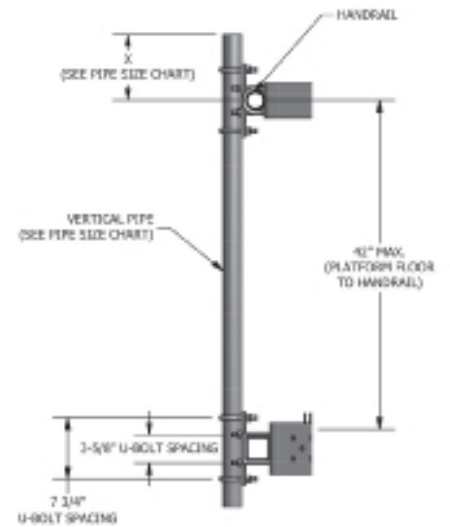
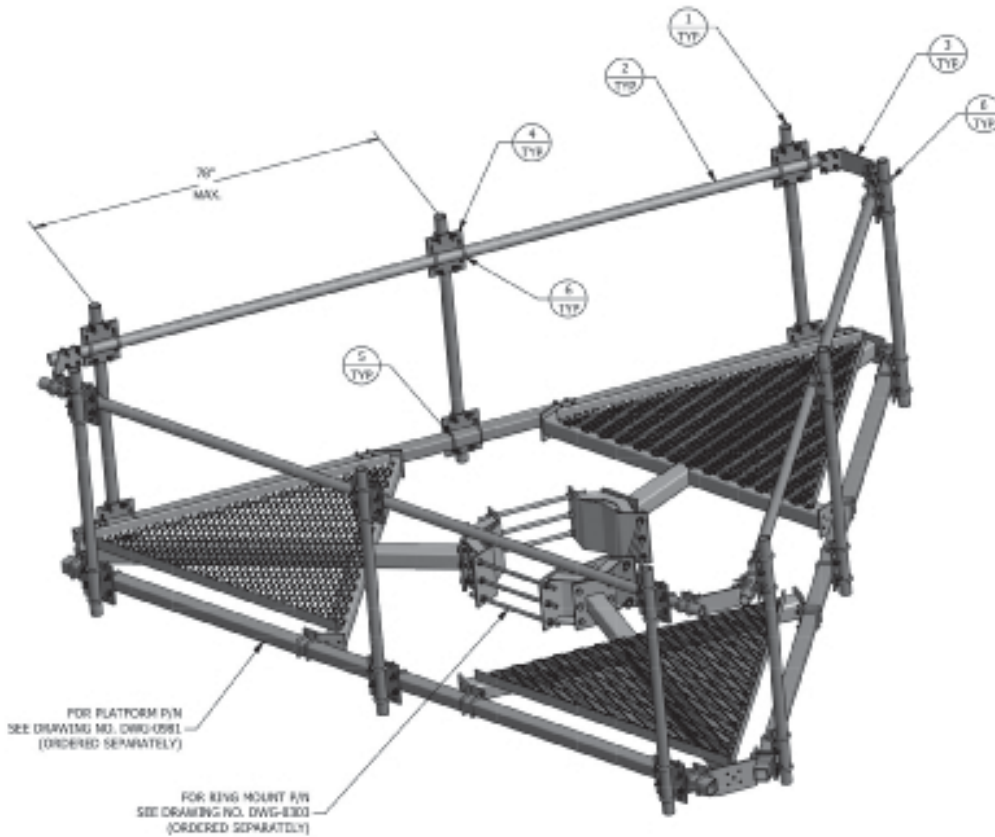
(ASSEMBLIES INCLUDE MOUNTING PLATES AND U-BOLTS)

ASSEMBLY P/N: RUGGED15TR

| BILL OF MATERIALS | | | | | |
|-------------------|-----|-----------|--|--|--|
| ITEM | QTY | P/N | DESCRIPTION | | |
| 1 | 9 | SEE CHART | PIPE 2.380.D.X.154W (ASTM A500 GR. C 50KSI) | | |
| 2 | 3 | KH8225 | PIPE 2.375X.154WX15' (ASTM A500 GR. C 50KSI) | | |
| 3 | 3 | TJ034 | PLATE CONN .38X4.12X1.17" (ASTM A572 50KSI) | | |
| 4 | 18 | KH4750 | PLATE CONN .5X8.0X9.25" (ASTM A572 GR50) | | |
| 5 | 18 | JR816AW | U-BOLT ASSY SQ 1/2 X 4-3/4 W/WASHER (ASTM A36) | | |
| 6 | 66 | JR83AW | U-BOLT ASSY 1/2 X 2-1/2 W/WASHER (ASTM A36) | | |

PIPE SIZE CHART (ASTM A500 GR. C 50KSI)

| PIPE P/N | X | PIPE LENGTH |
|----------|-----|-------------|
| KH275 | 9" | 5'-0" |
| KH281 | 19" | 6'-8" |
| KH1304 | 27" | 8'-0" |
| KH287 | 39" | 10'-0" |



RECOMMENDED MTO, PIPE
& RAILING INSTALLATION

POLE MOUNTS

GENERAL NOTES:

1. THIS MOUNT IS TO BE USED FOR POLE DIAMETERS FROM 12" TO 30".
2. PAL NUTS ARE PROVIDED FOR ALL CONNECTIONS.

ORDERING INFORMATION

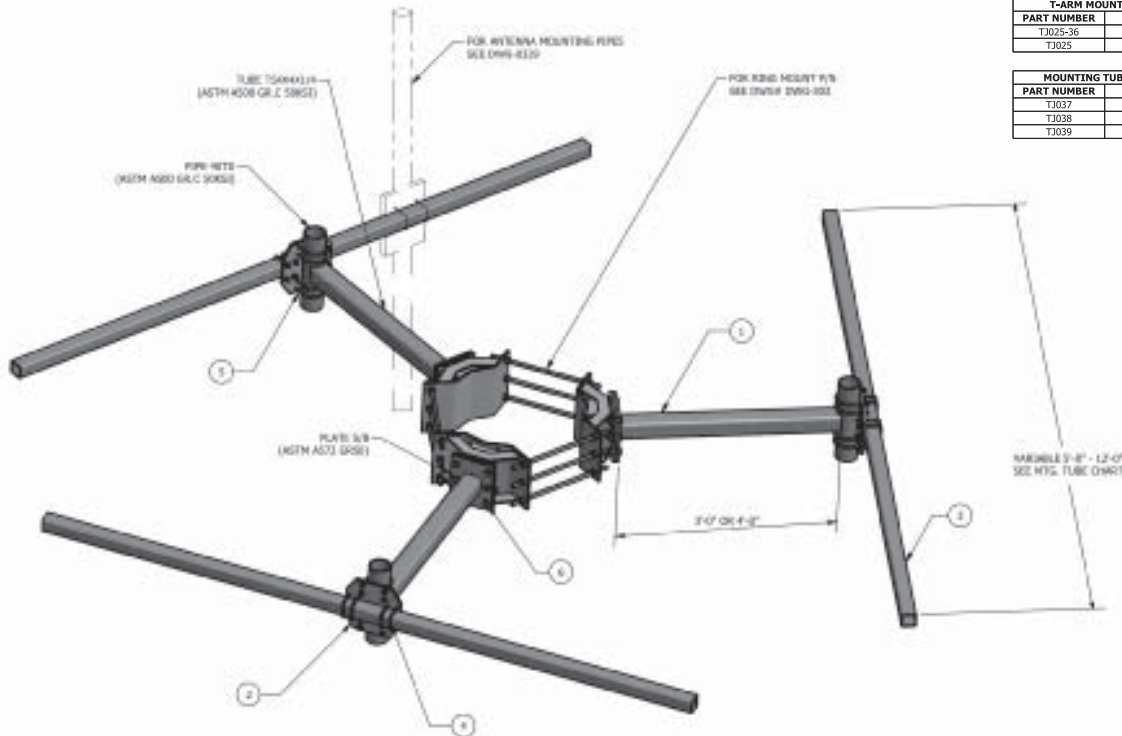
- (1) RUGGED15T
- (1) RING MOUNT (SEE DWG-0303)
- (3) T-ARM MOUNTS (SEE CHART)
- (3) 3X3X1/4 MOUNTING TUBES (SEE CHART)
- (X) ANTENNA MOUNTING PIPES (SEE DWG-0329)

ASSEMBLY P/N: RUGGED15T

| BILL OF MATERIALS | | | |
|-------------------|-----|-------------|--|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 3 | SEE CHART | T-ARM MOUNT 4STD |
| 2 | 3 | TJ021 | PLATE MOUNT .53X1.07X1.0" (ASTM A572 GR50) |
| 3 | 3 | SEE CHART | TS 3X3X.25 (ASTM A500 GR.C 50KSI) |
| 4 | 12 | JR816A | U-BOLT ASSY SQUARE .50X3.13 (ASTM A36) |
| 5 | 12 | JR85A | U-BOLT ASSY .50X4.5 (ASTM A36) |
| 6 | 18 | 210049GA | BOLT ASSY .75X2.5 (A325) |

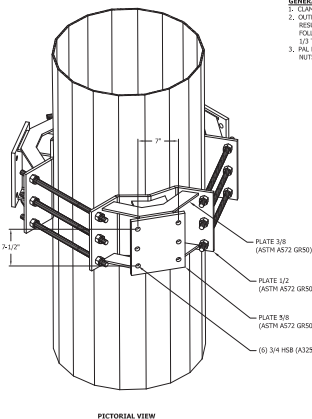
| T-ARM MOUNT CHART | |
|-------------------|--------|
| PART NUMBER | LENGTH |
| TJ025-36 | 3'-0" |
| TJ025 | 4'-0" |

| MOUNTING TUBE CHART | |
|---------------------|--------|
| PART NUMBER | LENGTH |
| TJ037 | 12'-0" |
| TJ038 | 8'-0" |
| TJ039 | 5'-0" |



GENERAL NOTES:

1. CLAMPS TO BE SPACED ON POLE.
2. OUTER NUTS TO BE TIGHTENED FIRST TO RESULT IN UNIFORM CLAMPING ON THE POLE, FOLLOWED BY TIGHTENING INNER NUTS 1/3 TURN BEYOND SNUG TIGHT.
3. PAL NUTS TO BE INSTALLED ON OUTER NUTS ONLY.



| ASSEMBLY P/N: RPC1218 | | | |
|-----------------------|-----|----------|--|
| BILL OF MATERIAL | | | |
| ITEM | QTY | PART NO. | DESCRIPTION |
| 1 | 3 | TJ010 | RING MOUNT CLAMP 1.07X1.25" |
| 2 | 9 | 20038 | THREADED ROD 3/4X-10X14.00" GRADE 105 F1554-52 |
| 3 | 36 | 23020 | NUT HWY HEX 3/4 (10 UNCF) HDG |
| 4 | 18 | 110162 | NUT 3/4 (3MM-4PL) HDG |

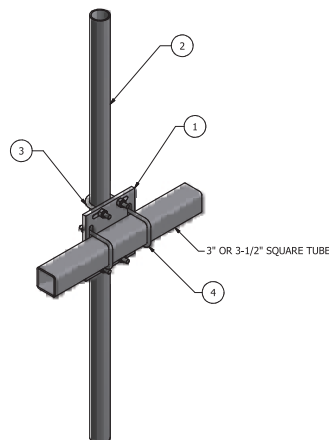
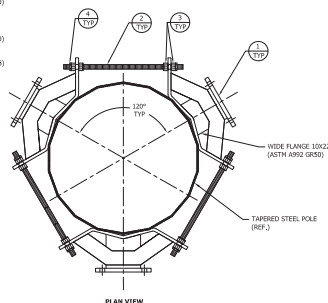
NOTE: TO BE USED FOR POLE DIAMETERS FROM 12" TO 18"

| ASSEMBLY P/N: RPC1924 | | | |
|-----------------------|-----|----------|--|
| BILL OF MATERIAL | | | |
| ITEM | QTY | PART NO. | DESCRIPTION |
| 1 | 3 | TJ010 | RING MOUNT CLAMP 1.07X1.25" |
| 2 | 9 | 20038 | THREADED ROD 3/4X-10X14.00" GRADE 105 F1554-52 |
| 3 | 36 | 23020 | NUT HWY HEX 3/4 (10 UNCF) HDG |
| 4 | 18 | 110162 | NUT 3/4 (3MM-4PL) HDG |

NOTE: TO BE USED FOR POLE DIAMETERS FROM 18" TO 24"

| ASSEMBLY P/N: RPC2530 | | | |
|-----------------------|-----|----------|--|
| BILL OF MATERIAL | | | |
| ITEM | QTY | PART NO. | DESCRIPTION |
| 1 | 3 | TJ010 | RING MOUNT CLAMP 1.07X1.25" |
| 2 | 9 | 20038 | THREADED ROD 3/4X-10X14.00" GRADE 105 F1554-52 |
| 3 | 36 | 23020 | NUT HWY HEX 3/4 (10 UNCF) HDG |
| 4 | 18 | 110162 | NUT 3/4 (3MM-4PL) HDG |

NOTE: TO BE USED FOR POLE DIAMETERS FROM 24" TO 30"



| BILL OF MATERIALS | | | |
|-------------------|-----|-------------|---|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 1 | KH4750 | BAR SIDE ARM 8X.5X9.25" (ASTM A572 GR50) |
| 2 | 1 | SEE CHART | PIPE 2.380DX.154W (ASTM A500 GR.C 50KSI) |
| 3 | 2 | JR83AW | U-BOLT ASSY 1/2 X 2-1/2 W/WASH (ASTM A36) |
| 4 | 2 | SEE CHART | U-BOLT ASSY 1/2 (ASTM A36) |

| PIPE SIZE CHART (ASTM A500 GR. C 50KSI) | |
|---|-------------|
| PART NUMBER | PIPE LENGTH |
| KH275 | 5'-0" |
| KH281 | 6'-8" |
| KH1304 | 8'-0" |

| SQ. U-BOLT CHART | | |
|------------------|-------------|---|
| SQ. TUBE SIZE | PART NUMBER | DESCRIPTION |
| 3" | JR816AW | U-BOLT ASSY 1/2 X 3-5/8 W/WASH (ASTM A36) |
| 3-1/2" | JR818AW | U-BOLT ASSY 1/2 X 4-1/8 W/WASH (ASTM A36) |

GENERAL NOTES:

1. PAL NUTS ARE PROVIDED FOR ALL CONNECTIONS.
2. OTHER MOUNTING PIPE SIZES ARE AVAILABLE UPON REQUEST.

NOTES

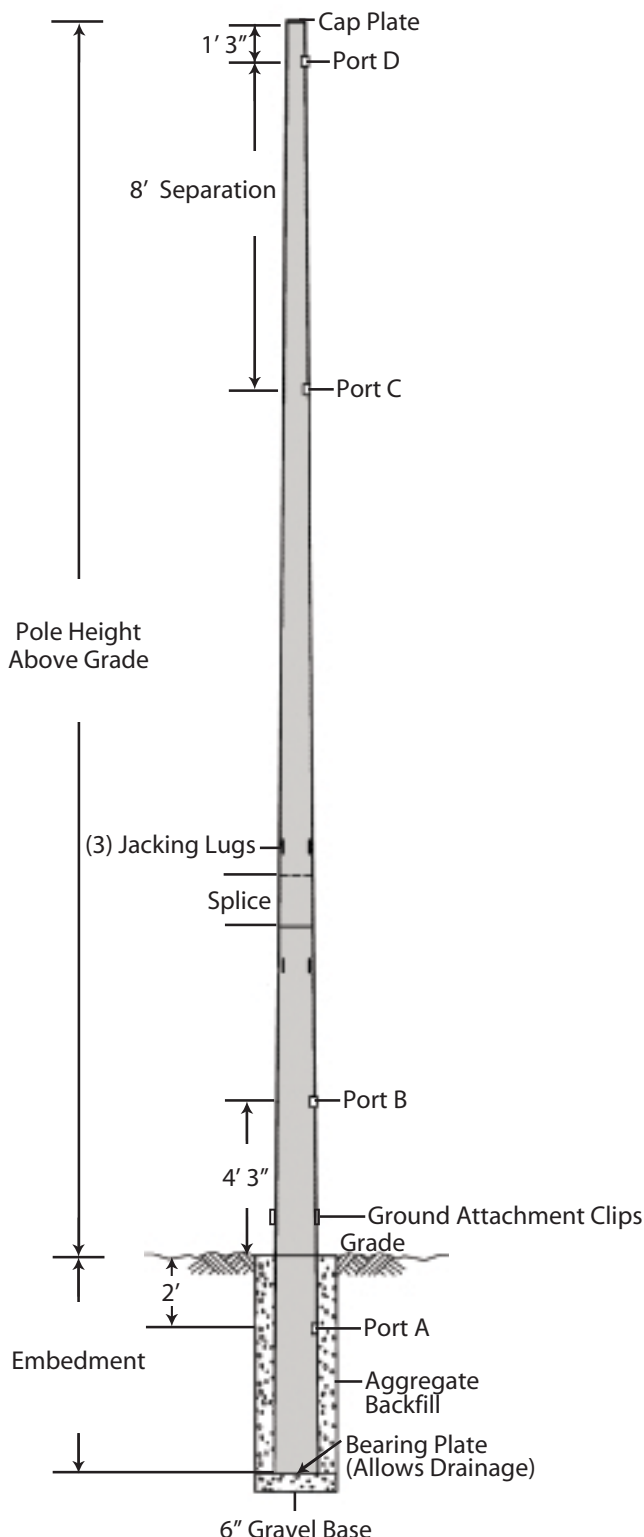
POLES





DIRECT EMBED POLE STANDARD DESIGNS

DIRECT EMBED POLES

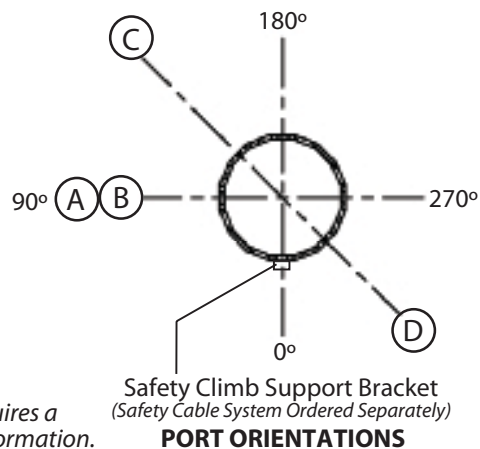


GENERAL USE

ROHN Direct Embed Poles minimize site requirements, lowering lease rates and acquisition costs. They are designed for rapid installation, meeting the demands of today's dynamic communication environments. Whether you are supporting broadband, PCS, security or other lightweight systems, ROHN Tapered Steel Poles offer extremely efficient designs.

FEATURES

- Completely hot-dip galvanized after fabrication
- Fast, easy installation
- Designed for applications with stringent deflection requirements
- Internal routing of transmission lines
- Each pole ships with the following:
 - Assembly Drawings and Standard Foundation Details
 - (4) 5" x 7" Ports with (2) port covers
 - (3) Jacking Lugs on each side of splices
 - (3) Ground attachment clips
 - (1) Vented cap plate
 - (1) Bearing plate welded to bottom
 - Safety Climb Support Brackets
 - (1) Safety warning sign
 - (1) Pole ID tag
 - Attachment clips for optional step bolts
- Optional items are available and may be ordered separately. Please see accessories on page 225.
- Custom designs available for any height or application.



Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please see page 225 for ordering information.

BUYERS GUIDE

The pole loading charts included in this section were created to help you identify the standard pole that most closely meets your needs. The charts include the design wind speed, sway, total EPA that the pole can support and pole embedment requirements. Once the correct structure is identified, use the part number at the top of each section to order your pole.

Part Number for ordering direct embed poles

Sway at TIA operational wind speed

30'
Height Above Grade

| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | |
|------------------|---------------|------------|-----------|----|------------|-----------|----|------------|-----------|-----|
| | | DEP30LA | | | DEP30MA | | | DEP30HA | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | |
| FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° |
| | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | |
| 70 | 85 | 69 | 49 | 29 | 110 | 108 | 68 | 170 | 170 | 143 |
| 80 | 100 | 52 | 49 | 29 | 80 | 80 | 68 | 126 | 126 | 126 |
| 90 | 110 | 38 | 38 | 29 | 59 | 59 | 59 | 95 | 95 | 95 |
| 100 | 120 | 27 | 27 | 27 | 44 | 44 | 44 | 74 | 74 | 74 |
| 110 | 130 | 19 | 19 | 19 | 32 | 32 | 32 | 57 | 57 | 57 |
| 120 | 140 | 13 | 13 | 13 | 24 | 24 | 24 | 45 | 45 | 45 |
| EMBEDMENT | | DEPTH 10' | DIA. 2.5' | | DEPTH 11' | DIA. 2.5' | | DEPTH 13' | DIA. 3.0' | |

Total effective projected area of antennas, mounts and lighting allowed on pole (see pg. 226)

Depth and diameter of embedment for gravel backfill. Installation adds 6" to the depth for gravel base

LOADING CHARTS

40'

| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | |
|------------------|---------------|------------|-----------|----|------------|-----------|----|------------|-----------|-----|
| | | DEP40LA | | | DEP40MA | | | DEP40HA | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | |
| FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° |
| | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | |
| 70 | 85 | 69 | 49 | 29 | 110 | 108 | 68 | 170 | 170 | 143 |
| 80 | 100 | 52 | 49 | 29 | 80 | 80 | 68 | 126 | 126 | 126 |
| 90 | 110 | 38 | 38 | 29 | 59 | 59 | 59 | 95 | 95 | 95 |
| 100 | 120 | 27 | 27 | 27 | 44 | 44 | 44 | 74 | 74 | 74 |
| 110 | 130 | 19 | 19 | 19 | 32 | 32 | 32 | 57 | 57 | 57 |
| 120 | 140 | 13 | 13 | 13 | 24 | 24 | 24 | 45 | 45 | 45 |
| EMBEDMENT | | DEPTH 12' | DIA. 2.5' | | DEPTH 13' | DIA. 2.5' | | DEPTH 15' | DIA. 3.0' | |

50'

| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | |
|------------------|---------------|------------|-----------|----|------------|-----------|----|------------|-----------|-----|
| | | DEP50LA | | | DEP50MA | | | DEP50HA | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | |
| FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° |
| | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | |
| 70 | 85 | 69 | 49 | 29 | 110 | 108 | 68 | 170 | 170 | 143 |
| 80 | 100 | 52 | 49 | 29 | 80 | 80 | 68 | 126 | 126 | 126 |
| 90 | 110 | 38 | 38 | 29 | 59 | 59 | 59 | 95 | 95 | 95 |
| 100 | 120 | 27 | 27 | 27 | 44 | 44 | 44 | 74 | 74 | 74 |
| 110 | 130 | 19 | 19 | 19 | 32 | 32 | 32 | 57 | 57 | 57 |
| 120 | 140 | 13 | 13 | 13 | 24 | 24 | 24 | 45 | 45 | 45 |
| EMBEDMENT | | DEPTH 15' | DIA. 2.5' | | DEPTH 16' | DIA. 2.5' | | DEPTH 17' | DIA. 3.0' | |



LOADING CHARTS

60'

| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | |
|------------------|---------------|------------|----------|------|------------|----------|------|------------|----------|------|
| | | DEP60LA | | | DEP60MA | | | DEP60HA | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | |
| FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° |
| | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | |
| 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 |
| EMBEDMENT | | DEPTH | 15' DIA. | 2.5' | DEPTH | 17' DIA. | 3.0' | DEPTH | 19' DIA. | 3.0' |

70'

| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | | | | |
|------------------|---------------|------------|-----|------|------------|-------|-----|------------|------|-------|-----|------|------|
| | | DEP70LA | | | DEP70MA | | | DEP70HA | | | | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | | | | |
| FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° | | | |
| | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | | | | |
| 70 | 85 | 42 | 28 | 13 | 89 | 63 | 36 | 137 | 129 | 81 | | | |
| 80 | 100 | 42 | 28 | 13 | 63 | 63 | 36 | 98 | 98 | 81 | | | |
| 90 | 110 | 28 | 28 | 13 | 43 | 43 | 36 | 72 | 73 | 73 | | | |
| 100 | 120 | 17 | 17 | 13 | 29 | 29 | 29 | 53 | 53 | 53 | | | |
| 110 | 130 | 9 | 9 | 9 | 19 | 19 | 19 | 39 | 39 | 39 | | | |
| 120 | 140 | 3 | 3 | 3 | 10 | 10 | 10 | 28 | 28 | 28 | | | |
| EMBEDMENT | | DEPTH | 16' | DIA. | 3.0' | DEPTH | 18' | DIA. | 3.0' | DEPTH | 20' | DIA. | 3.5' |

80'

| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | | | | |
|------------------|---------------|------------|-----|------|------------|-------|-----|------------|------|-------|-----|------|------|
| | | DEP80LA | | | DEP80MA | | | DEP80HA | | | | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | | | | |
| FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° | | | |
| | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | | | | |
| 70 | 85 | 28 | 17 | 6 | 65 | 44 | 23 | 117 | 93 | 56 | | | |
| 80 | 100 | 28 | 17 | 6 | 50 | 44 | 23 | 82 | 82 | 56 | | | |
| 90 | 110 | 19 | 17 | 6 | 32 | 32 | 23 | 58 | 58 | 56 | | | |
| 100 | 120 | 9 | 9 | 6 | 19 | 19 | 19 | 41 | 41 | 41 | | | |
| 110 | 130 | 2 | 2 | 2 | 9 | 9 | 9 | 28 | 28 | 28 | | | |
| 120 | 140 | - | - | - | 2 | 2 | 2 | 18 | 18 | 18 | | | |
| EMBEDMENT | | DEPTH | 16' | DIA. | 3.0' | DEPTH | 18' | DIA. | 3.0' | DEPTH | 20' | DIA. | 3.5' |

90'

| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | | | | |
|------------------|---------------|------------|-----|------|------------|-------|-----|------------|------|-------|-----|------|------|
| | | DEP90LA | | | DEP90MA | | | DEP90HA | | | | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | | | | |
| FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° | | | |
| | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | | | | |
| 70 | 85 | 21 | 11 | 2 | 51 | 33 | 16 | 106 | 77 | 44 | | | |
| 80 | 100 | 21 | 11 | 2 | 43 | 33 | 16 | 73 | 73 | 44 | | | |
| 90 | 110 | 14 | 11 | 2 | 25 | 25 | 16 | 50 | 50 | 44 | | | |
| 100 | 120 | 4 | 4 | 2 | 12 | 12 | 12 | 33 | 33 | 33 | | | |
| 110 | 130 | - | - | 2 | 3 | 3 | 3 | 21 | 21 | 21 | | | |
| 120 | 140 | - | - | - | - | - | - | 13 | 13 | 13 | | | |
| EMBEDMENT | | DEPTH | 18' | DIA. | 3.0' | DEPTH | 20' | DIA. | 3.0' | DEPTH | 22' | DIA. | 3.5' |

(-) Indicates that pole is not recommended for the tabulated wind speed

LOADING CHARTS

| 100' | WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | | | |
|-----------|------------------|---------------|------------|------|------|------------|-----|------|------------|-------|-----|------|------|
| | | | DEP100LA | | | DEP100MA | | | DEP100HA | | | | |
| | | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | | | |
| | FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° | | |
| | | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | | | |
| | 70 | 85 | 16 | 7 | - | 42 | 26 | 11 | 91 | 63 | 36 | | |
| | 80 | 100 | 16 | 7 | - | 36 | 26 | 11 | 65 | 63 | 36 | | |
| | 90 | 110 | 9 | 7 | - | 18 | 18 | 11 | 43 | 43 | 36 | | |
| | 100 | 120 | - | - | - | 6 | 6 | 6 | 26 | 26 | 26 | | |
| | 110 | 130 | - | - | - | - | - | - | 14 | 14 | 14 | | |
| 120 | 140 | - | - | - | - | - | - | 7 | 7 | 7 | | | |
| EMBEDMENT | | DEPTH | 18' | DIA. | 3.0' | DEPTH | 20' | DIA. | 3.5' | DEPTH | 22' | DIA. | 3.5' |

| 110' | WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | | | |
|-----------|------------------|---------------|------------|------|------|------------|-----|------|------------|-------|-----|------|------|
| | | | DEP110LA | | | DEP110MA | | | DEP110HA | | | | |
| | | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | | | |
| | FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° | | |
| | | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | | | |
| | 70 | 85 | 23 | 13 | - | 51 | 32 | 14 | 103 | 70 | 41 | | |
| | 80 | 100 | 23 | 13 | - | 47 | 32 | 14 | 77 | 70 | 41 | | |
| | 90 | 110 | 13 | 13 | - | 25 | 25 | 14 | 50 | 50 | 41 | | |
| | 100 | 120 | - | - | - | 9 | 9 | 9 | 31 | 31 | 31 | | |
| | 110 | 130 | - | - | - | - | - | - | 17 | 17 | 17 | | |
| 120 | 140 | - | - | - | - | - | - | 8 | 8 | 8 | | | |
| EMBEDMENT | | DEPTH | 19' | DIA. | 3.5' | DEPTH | 21' | DIA. | 4.0' | DEPTH | 22' | DIA. | 4.0' |

| 120' | WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | | | |
|-----------|------------------|---------------|------------|------|------|------------|-----|------|------------|-------|-----|------|------|
| | | | DEP120LA | | | DEP120MA | | | DEP120HA | | | | |
| | | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | | | |
| | FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° | | |
| | | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | | | |
| | 70 | 85 | 18 | 10 | - | 39 | 24 | 6 | 90 | 62 | 35 | | |
| | 80 | 100 | 18 | 10 | - | 36 | 24 | 6 | 80 | 62 | 35 | | |
| | 90 | 110 | 5 | 5 | - | 15 | 15 | 6 | 55 | 55 | 35 | | |
| | 100 | 120 | - | - | - | - | - | - | 36 | 36 | 35 | | |
| | 110 | 130 | - | - | - | - | - | - | 23 | 23 | 23 | | |
| 120 | 140 | - | - | - | - | - | - | 14 | 14 | 14 | | | |
| EMBEDMENT | | DEPTH | 19' | DIA. | 3.5' | DEPTH | 22' | DIA. | 4.0' | DEPTH | 23' | DIA. | 4.0' |

| 130' | WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | | | |
|-----------|------------------|---------------|------------|------|------|------------|-----|------|------------|-------|-----|------|------|
| | | | DEP130LA | | | DEP130MA | | | DEP130HA | | | | |
| | | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | | | |
| | FASTEST MILE | 3-SECOND GUST | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° | | |
| | | | EPA (FT²) | | | EPA (FT²) | | | EPA (FT²) | | | | |
| | 70 | 85 | 19 | 8 | - | 39 | 24 | 6 | 83 | 57 | 30 | | |
| | 80 | 100 | 19 | 8 | - | 39 | 24 | 6 | 76 | 57 | 30 | | |
| | 90 | 110 | 14 | 8 | - | 24 | 24 | 6 | 51 | 51 | 30 | | |
| | 100 | 120 | 2 | 2 | - | 11 | 11 | 6 | 32 | 32 | 30 | | |
| | 110 | 130 | - | - | - | - | - | - | 21 | 21 | 21 | | |
| 120 | 140 | - | - | - | - | - | - | 10 | 10 | 10 | | | |
| EMBEDMENT | | DEPTH | 22' | DIA. | 4.0' | DEPTH | 23' | DIA. | 4.0' | DEPTH | 24' | DIA. | 4.5' |

(-) Indicates that pole is not recommended for the tabulated wind speed



LOADING CHARTS

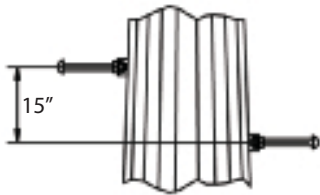


| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | |
|------------------|---------------|------------------------|-----------|----|------------------------|-----------|----|------------------------|-----------|----|
| | | DEP140LA | | | DEP140MA | | | DEP140HA | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | |
| | | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° |
| FASTEST MILE | 3-SECOND GUST | EPA (FT ²) | | | EPA (FT ²) | | | EPA (FT ²) | | |
| 70 | 85 | 16 | 5 | - | 42 | 26 | 6 | 86 | 62 | 31 |
| 80 | 100 | 16 | 5 | - | 42 | 26 | 6 | 86 | 62 | 31 |
| 90 | 110 | 8 | 5 | - | 36 | 26 | 6 | 66 | 62 | 31 |
| 100 | 120 | - | - | - | 16 | 16 | 6 | 45 | 45 | 31 |
| 110 | 130 | - | - | - | - | - | - | 28 | 28 | 28 |
| 120 | 140 | - | - | - | - | - | - | 13 | 13 | 13 |
| EMBEDMENT | | DEPTH 24' | DIA. 4.0' | | DEPTH 25' | DIA. 4.5' | | DEPTH 26' | DIA. 4.5' | |

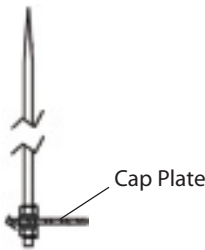
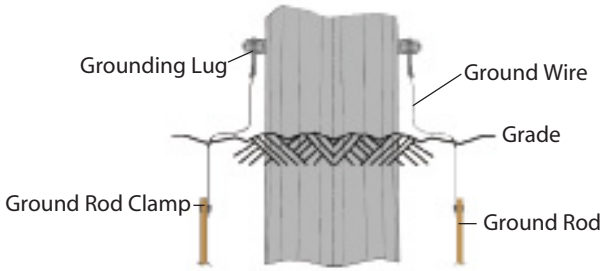
| WIND SPEED (MPH) | | LIGHT | | | MEDIUM | | | HEAVY | | |
|------------------|---------------|------------------------|-----------|----|------------------------|-----------|----|------------------------|-----------|----|
| | | DEP150LA | | | DEP150MA | | | DEP150HA | | |
| | | SWAY LIMIT | | | SWAY LIMIT | | | SWAY LIMIT | | |
| | | 4° | 3° | 2° | 4° | 3° | 2° | 4° | 3° | 2° |
| FASTEST MILE | 3-SECOND GUST | EPA (FT ²) | | | EPA (FT ²) | | | EPA (FT ²) | | |
| 70 | 85 | 17 | 5 | - | 47 | 26 | 6 | 89 | 63 | 31 |
| 80 | 100 | 17 | 5 | - | 47 | 26 | 6 | 89 | 63 | 31 |
| 90 | 110 | 17 | 5 | - | 30 | 26 | 6 | 65 | 63 | 31 |
| 100 | 120 | - | - | - | 10 | 10 | 6 | 39 | 39 | 31 |
| 110 | 130 | - | - | - | - | - | - | 22 | 22 | 22 |
| 120 | 140 | - | - | - | - | - | - | 6 | 6 | 6 |
| EMBEDMENT | | DEPTH 24' | DIA. 4.0' | | DEPTH 26' | DIA. 4.5' | | DEPTH 27' | DIA. 5.0' | |

(-) Indicates that pole is not recommended for the tabulated wind speed

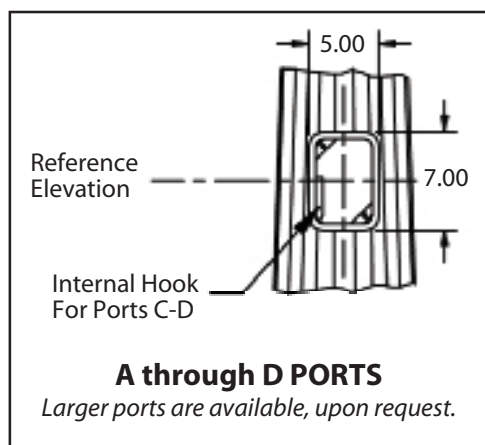
1. Pole designs conform to ANSI/TIA/EIA-222-F with 1/2" radial ice and to ANSI/TIA-222-G (Class I, Exposure B, Topographic Category I). Design criteria must be verified prior to installation based on site-specific requirements.
2. Embedment depths are based on "Normal" soil (TIA Rev. F) and clay "Presumptive" soil (TIA Rev. G) with aggregate backfill. Actual site soil design parameters must be verified prior to installation.
3. For corrosive groundwater and/or soil conditions, ROHN recommends additional corrosion control protection such as concrete backfill, additional protective coating over galvanizing or the installation of sacrificial anodes.
4. Embedment depths may require adjustment based on local soil conditions.

PARTS & ACCESSORIES

|  <p>STEP BOLTS</p> <p>STEP BOLTS START AT 20' ABOVE GRADE (NOMINAL). WHEN ORDERING STEP BOLTS, PLEASE SPECIFY POLE HEIGHT.</p> <p>EX. SBDEP120 for a 120' POLE</p> |  <p>JOURNEYMAN CLIMBING HARNESS TTFBH-4D</p> <p>PROFESSIONAL CLIMBING HARNESS TTFBH-C/P</p> |  <p>SAFETY CABLE SLIDER WITH CARABINEER TT-WG-500-W/SMC</p> | <p>SAFETY CABLE SYSTEM</p> <table><tr><th>Pole Height</th><th>Part Number</th></tr><tr><td>30' - 50'</td><td>TT050TSP</td></tr><tr><td>60' - 100'</td><td>TT100TSP</td></tr><tr><td>110' - 150'</td><td>TT150TSP</td></tr></table> | Pole Height | Part Number | 30' - 50' | TT050TSP | 60' - 100' | TT100TSP | 110' - 150' | TT150TSP |
|---|--|--|--|-------------|-------------|-----------|-----------------|------------|-----------------|-------------|-----------------|
| Pole Height | Part Number | | | | | | | | | | |
| 30' - 50' | TT050TSP | | | | | | | | | | |
| 60' - 100' | TT100TSP | | | | | | | | | | |
| 110' - 150' | TT150TSP | | | | | | | | | | |

| | |
|---|--|
|  <p>LIGHTNING ROD LRCL</p> <p>5' COPPER CLAD BOLTS TO CAP PLATE, PROVIDED WITH POLE.</p> |  <p>GROUNDING KIT BGK5GGXTSP</p> <p>3 LINES 6 WIRE KIT INCLUDES (1) GROUND LEAD, GROUND ROD AND CONNECTIONS. ORDER (1) KITS FOR REV G GROUNDING.</p> |
|---|--|

PORT DIMENSIONS





ANTENNA INDEX

| DISH ANTENNA | | | |
|------------------|-----------------------|------------|------------|
| DIAMETER | EPA - FT ² | | SWAY LIMIT |
| | W/ RADOME | W/O RADOME | |
| (1) 2 FT. | 3 | 6 | 4° |
| (1) 3 FT. | 7 | 13 | 3° |
| (1) 4 FT. | 11 | 22 | 2° |
| (2) 2 FT. B-TO-B | 5 | 8 | 4° |
| (2) 3 FT. B-TO-B | 11 | 18 | 3° |
| (2) 4 FT. B-TO-B | 19 | 34 | 2° |

| FLAT PANEL ANTENNA | | |
|-----------------------|-----------------------|------------|
| DIMENSION | EPA - FT ² | SWAY LIMIT |
| 1 FT. SQUARE W/ MOUNT | 2 | 4° |
| 2 FT. SQUARE W/ MOUNT | 5 | 2° |
| 3 FT. SQUARE W/ MOUNT | 11 | 2° |

1. The above antenna data is intended to assist in the selection of the appropriate ROHN pole. Once the total EPA and sway limit is determined for the antennas, the standard ROHN pole can be selected from the tabulated values. (See example below)
2. Tabulated pole EPA capacities represent the maximum EPA capacity of a 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%.
3. Sway limits are determined under a 50 MPH fastest-mile (Rev. F) or 60 MPH 3-second gust (Rev. G) wind speed.
4. The antenna effective projected areas (EPA) and sway limits provided in the antenna index are guidelines for typical antenna systems. Other values may apply for specific antenna models or for site-specific systems.

Determine EPA & Sway Limit for Dishes or Flat Panel Antennas

1. Using the antenna index, determine the types of antennas to be installed on the pole.
2. Add together the EPA value of all the antennas to be supported.
3. Determine the most restrictive sway limit considering all the antennas to be supported. For example, for one 3' dish with a 3° sway limit and one 1' flat panel with a 4° sway limit, the sway limit for the pole would be 3° and the required pole EPA capacity would be $13+2=15 \text{ ft}^2$.
4. If all antennas are to be supported at the top of the pole, only 80% of the tabulated EPA capacity shown may be considered when selecting a pole. Alternately, the antenna EPA to be supported may be increased by 25%. For example, the required pole capacity would be $15 \times 1.25 = 19 \text{ ft}^2$.
5. Using the pole sway limit and the required EPA capacities, the appropriate pole may be determined from the tabulated values. For example, for a 120 ft. pole and a 100 mph 3-sec gust wind speed, a medium pole [P/N: DEP120MA] would be required for an EPA capacity greater than 19 ft^2 for a 3° sway limit.

PRE-ENGINEERED UTILITY POLES



PRE-ENGINEERED UTILITY POLES

GENERAL USE

ROHN Pre-Engineered steel utility poles offer a light duty solution to satisfy utilities desiring an alternative to wood poles. ROHN's line of Pre-Engineered poles are lighter than typical wooden and concrete poles and provide easy installation and low maintenance. ROHN offers Pre-Engineered poles for either direct embed or flange installations. The poles come standard with a hot-dip galvanized coating, but can also be painted or fabricated with weathering steel.

FEATURES

- Fast, easy installation
- Each pole ships with the following:
 - Standard ground sleeve (at grade)
 - Standard sub-grade corrosion coating to 6" above grade
 - Cap plate
 - (2) 4" Nema Ground Lugs
 - Bearing Plate with drain hole
 - Jacking Lugs (at slip splices)
- Optional items are available and may be ordered separately:
 - Step attachment clips
 - Climbing pegs / step bolts
 - Safety climb device
 - Port holes
 - Flanged base
 - Painted finish
- Custom designs are available for any height or application.



BUYERS GUIDE

H 1 0 R P (18,400# / 11,500#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LBS) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|--------------|--------------------------------------|
| 40 | 34.0 | H10RP040 | 12.0 | 21.2 | 0.230 | 1 | 1945 | 368 |
| 45 | 38.5 | H10RP045 | 12.0 | 22.4 | 0.231 | 1 | 2253 | 420 |
| 50 | 43.0 | H10RP050 | 12.0 | 23.5 | 0.230 | 1 | 2581 | 472 |
| 55 | 47.5 | H10RP055 | 12.0 | 25.1 | 0.238 | 2 | 3074 | 523 |
| 60 | 52.0 | H10RP060 | 12.0 | 26.3 | 0.238 | 2 | 3440 | 576 |
| 65 | 56.5 | H10RP065 | 12.0 | 27.6 | 0.240 | 2 | 3896 | 627 |
| 70 | 61.0 | H10RP070 | 12.0 | 28.8 | 0.240 | 2 | 4304 | 680 |
| 75 | 65.5 | H10RP075 | 12.0 | 30.1 | 0.241 | 2 | 4765 | 730 |
| 80 | 70.0 | H10RP080 | 12.0 | 31.3 | 0.241 | 2 | 5210 | 785 |
| 85 | 74.5 | H10RP085 | 12.0 | 32.6 | 0.242 | 2 | 5666 | 834 |
| 90 | 79.0 | H10RP090 | 12.0 | 33.8 | 0.242 | 2 | 6148 | 890 |
| 95 | 83.5 | H10RP095 | 12.0 | 34.4 | 0.236 | 3 | 6779 | 937 |
| 100 | 88.0 | H10RP100 | 12.0 | 35.7 | 0.237 | 3 | 7282 | 995 |
| 105 | 92.5 | H10RP105 | 12.0 | 36.9 | 0.237 | 3 | 7918 | 1041 |
| 110 | 97.0 | H10RP110 | 12.0 | 38.2 | 0.238 | 3 | 8459 | 1100 |
| 115 | 101.5 | H10RP115 | 12.0 | 39.4 | 0.238 | 3 | 9153 | 1141 |
| 120 | 106.0 | H10RP120 | 12.0 | 40.7 | 0.239 | 3 | 9731 | 1206 |

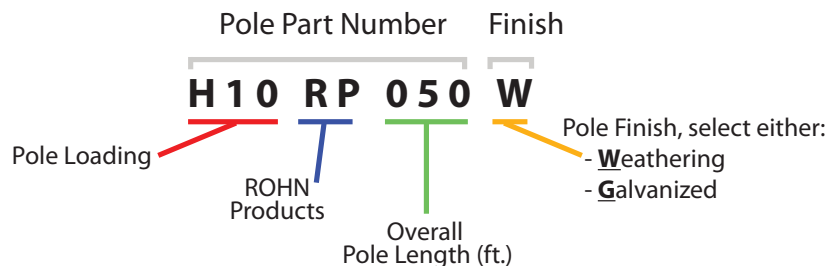
OTM @ 5' = 183 ft-kips

Overturning moment capacity at 5' below tip.

The part number shown in the chart includes the pole loading and the overall length of the structure.

The coating suffix (**W** or **G**) is added by the customer at the time of the order, along with any optional items (flanged base, step clips and safety device, ports, special grounding lugs, special ground sleeves and paint).

The example below provides a guide, for ordering convenience.



Diameters are out-to-out width between flats. Slope is change in diameter per foot of length. Overturning moment capacity is at grade.

In the example shown, the customer is purchasing an H10RP, with an overall length of 50'. The pole is to be constructed of Weathering Steel, with a Direct Embed Base.

NOTE: Values in () indicate horizontal factored loads applied 2' from the tip.

H 1 0 R P (18,400# / 11,500#)

Equivalent factored load
for wood poles

Factored load for steel poles

Embedment depths illustrated may require adjustment based on local soil conditions.

PRODUCT DATA

C 1 R P (4,500# / 2,812#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | C1RP040 | 7.5 | 13.1 | 0.140 | 1 | 981 | 91 |
| 45 | 38.5 | C1RP045 | 7.5 | 13.1 | 0.124 | 1 | 1092 | 103 |
| 50 | 43.0 | C1RP050 | 7.5 | 13.1 | 0.112 | 1 | 1201 | 117 |
| 55 | 47.5 | C1RP055 | 7.5 | 14.8 | 0.133 | 2 | 1442 | 128 |
| 60 | 52.0 | C1RP060 | 7.5 | 14.8 | 0.122 | 2 | 1553 | 143 |
| 65 | 56.5 | C1RP065 | 7.5 | 17.2 | 0.149 | 2 | 1876 | 153 |
| 70 | 61.0 | C1RP070 | 7.5 | 17.2 | 0.139 | 2 | 1999 | 169 |
| 75 | 65.5 | C1RP075 | 7.5 | 19.5 | 0.160 | 2 | 2337 | 179 |
| 80 | 70.0 | C1RP080 | 7.5 | 19.5 | 0.150 | 2 | 2477 | 196 |
| 85 | 74.5 | C1RP085 | 7.5 | 21.3 | 0.162 | 2 | 2840 | 204 |
| 90 | 79.0 | C1RP090 | 7.5 | 21.3 | 0.153 | 2 | 2937 | 223 |
| 95 | 83.5 | C1RP095 | 7.5 | 23.7 | 0.171 | 3 | 3403 | 229 |
| 100 | 88.0 | C1RP100 | 7.5 | 23.7 | 0.162 | 3 | 3560 | 250 |
| 105 | 92.5 | C1RP105 | 7.5 | 25.7 | 0.173 | 3 | 4033 | 267 |
| 110 | 97.0 | C1RP110 | 7.5 | 25.7 | 0.165 | 3 | 4197 | 277 |
| 115 | 101.5 | C1RP115 | 7.5 | 27.5 | 0.174 | 3 | 4643 | 280 |
| 120 | 106.0 | C1RP120 | 7.5 | 27.5 | 0.167 | 3 | 4820 | 305 |

OTM @ 5' = 51 ft-kips

C 2 R P (3,700# / 2,313#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | C2RP040 | 7.5 | 13.1 | 0.140 | 1 | 981 | 75 |
| 45 | 38.5 | C2RP045 | 7.5 | 14.5 | 0.156 | 1 | 1161 | 84 |
| 50 | 43.0 | C2RP050 | 7.5 | 14.5 | 0.140 | 1 | 1277 | 96 |
| 55 | 47.5 | C2RP055 | 7.5 | 15.9 | 0.153 | 2 | 1505 | 105 |
| 60 | 52.0 | C2RP060 | 7.5 | 15.9 | 0.140 | 2 | 1629 | 116 |
| 65 | 56.5 | C2RP065 | 7.5 | 17.3 | 0.151 | 2 | 1882 | 137 |
| 70 | 61.0 | C2RP070 | 7.5 | 17.3 | 0.140 | 2 | 2007 | 147 |
| 75 | 65.5 | C2RP075 | 7.5 | 18.7 | 0.149 | 2 | 2274 | 157 |
| 80 | 70.0 | C2RP080 | 7.5 | 18.7 | 0.140 | 2 | 2406 | 168 |
| 85 | 74.5 | C2RP085 | 7.5 | 20.1 | 0.148 | 2 | 2677 | 178 |
| 90 | 79.0 | C2RP090 | 7.5 | 20.1 | 0.140 | 2 | 2818 | 189 |
| 95 | 83.5 | C2RP095 | 7.5 | 22.0 | 0.153 | 3 | 3222 | 199 |
| 100 | 88.0 | C2RP100 | 7.5 | 22.0 | 0.145 | 3 | 3368 | 209 |
| 105 | 92.5 | C2RP105 | 7.5 | 23.7 | 0.154 | 3 | 3774 | 215 |
| 110 | 97.0 | C2RP110 | 7.5 | 23.7 | 0.147 | 3 | 3928 | 220 |
| 115 | 101.5 | C2RP115 | 7.5 | 25.5 | 0.157 | 3 | 4383 | 230 |
| 120 | 106.0 | C2RP120 | 7.5 | 25.5 | 0.150 | 3 | 4547 | 241 |

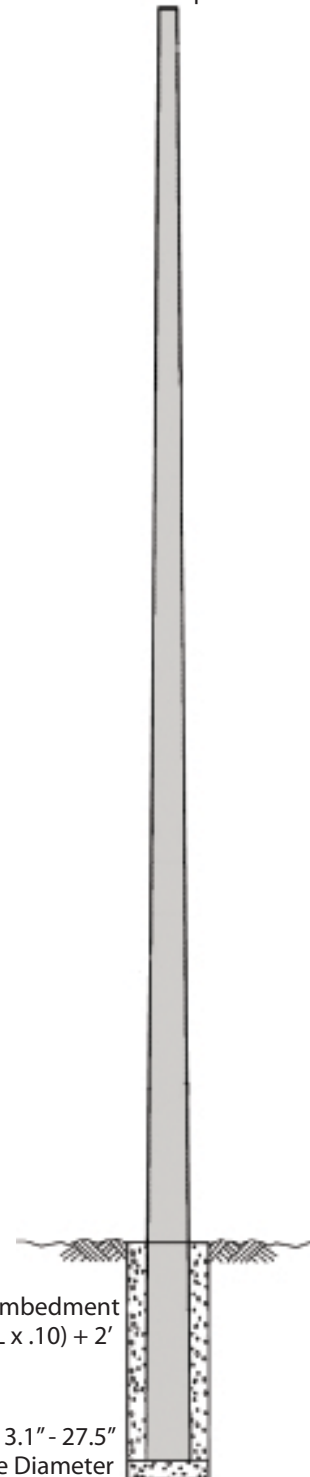
OTM @ 5' = 53 ft-kips

C 3 R P (3,000# / 1,875#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | C3RP040 | 7.5 | 13.1 | 0.140 | 1 | 981 | 61 |
| 45 | 38.5 | C3RP045 | 7.5 | 14.5 | 0.156 | 1 | 1161 | 68 |
| 50 | 43.0 | C3RP050 | 7.5 | 14.5 | 0.140 | 1 | 1277 | 78 |
| 55 | 47.5 | C3RP055 | 7.5 | 15.9 | 0.153 | 2 | 1505 | 85 |
| 60 | 52.0 | C3RP060 | 7.5 | 15.9 | 0.140 | 2 | 1626 | 96 |
| 65 | 56.5 | C3RP065 | 7.5 | 17.3 | 0.151 | 2 | 1882 | 102 |
| 70 | 61.0 | C3RP070 | 7.5 | 17.3 | 0.140 | 2 | 2007 | 113 |
| 75 | 65.5 | C3RP075 | 7.5 | 18.7 | 0.149 | 2 | 2274 | 119 |
| 80 | 70.0 | C3RP080 | 7.5 | 18.7 | 0.140 | 2 | 2406 | 131 |
| 85 | 74.5 | C3RP085 | 7.5 | 20.1 | 0.148 | 2 | 2677 | 136 |
| 90 | 79.0 | C3RP090 | 7.5 | 20.1 | 0.140 | 2 | 2818 | 144 |
| 95 | 83.5 | C3RP095 | 7.5 | 21.5 | 0.147 | 3 | 3169 | 153 |
| 100 | 88.0 | C3RP100 | 7.5 | 21.5 | 0.140 | 3 | 3312 | 161 |
| 105 | 92.5 | C3RP105 | 7.5 | 22.9 | 0.147 | 3 | 3678 | 170 |
| 110 | 97.0 | C3RP110 | 7.5 | 22.9 | 0.140 | 3 | 3828 | 178 |
| 115 | 101.5 | C3RP115 | 7.5 | 24.3 | 0.146 | 3 | 4224 | 187 |
| 120 | 106.0 | C3RP120 | 7.5 | 24.3 | 0.140 | 3 | 4384 | 195 |

OTM @ 5' = 53 ft-kips

7.5" Tip

Embedment
(L x .10) + 2'13.1" - 27.5"
Base Diameter



PRODUCT DATA

H 1 R P (5,400# / 3,375#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H1RP040 | 7.5 | 13.1 | 0.140 | 1 | 981 | 109 |
| 45 | 38.5 | H1RP045 | 7.5 | 14.2 | 0.149 | 1 | 1161 | 138 |
| 50 | 43.0 | H1RP050 | 7.5 | 14.2 | 0.134 | 1 | 1261 | 140 |
| 55 | 47.5 | H1RP055 | 7.5 | 16.0 | 0.155 | 2 | 1516 | 153 |
| 60 | 52.0 | H1RP060 | 7.5 | 16.0 | 0.142 | 2 | 1636 | 171 |
| 65 | 56.5 | H1RP065 | 7.5 | 18.5 | 0.169 | 2 | 1966 | 184 |
| 70 | 61.0 | H1RP070 | 7.5 | 18.5 | 0.157 | 2 | 2102 | 202 |
| 75 | 65.5 | H1RP075 | 7.5 | 21.0 | 0.180 | 2 | 2465 | 214 |
| 80 | 70.0 | H1RP080 | 7.5 | 21.0 | 0.169 | 2 | 2611 | 234 |
| 85 | 74.5 | H1RP085 | 7.5 | 23.0 | 0.182 | 2 | 2952 | 245 |
| 90 | 79.0 | H1RP090 | 7.5 | 23.0 | 0.172 | 2 | 3092 | 246 |
| 95 | 83.5 | H1RP095 | 7.5 | 26.0 | 0.195 | 3 | 3705 | 278 |
| 100 | 88.0 | H1RP100 | 7.5 | 26.0 | 0.185 | 3 | 3872 | 298 |
| 105 | 92.5 | H1RP105 | 7.5 | 28.0 | 0.195 | 3 | 4309 | 305 |
| 110 | 97.0 | H1RP110 | 7.5 | 28.0 | 0.186 | 3 | 4488 | 330 |
| 115 | 101.5 | H1RP115 | 7.5 | 29.5 | 0.191 | 3 | 4950 | 336 |
| 120 | 106.0 | H1RP120 | 7.5 | 29.5 | 0.183 | 3 | 5133 | 363 |

OTM @ 5' = 52 ft-kips

H 2 R P (6,400# / 4,000#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H2RP040 | 7.8 | 13.6 | 0.145 | 1 | 1016 | 129 |
| 45 | 38.5 | H2RP045 | 7.8 | 16.0 | 0.182 | 1 | 1251 | 146 |
| 50 | 43.0 | H2RP050 | 7.8 | 16.0 | 0.164 | 1 | 1375 | 165 |
| 55 | 47.5 | H2RP055 | 7.8 | 17.5 | 0.176 | 2 | 1638 | 182 |
| 60 | 52.0 | H2RP060 | 7.8 | 17.5 | 0.162 | 2 | 1765 | 202 |
| 65 | 56.5 | H2RP065 | 7.8 | 19.4 | 0.178 | 2 | 2056 | 218 |
| 70 | 61.0 | H2RP070 | 7.8 | 19.4 | 0.166 | 2 | 2194 | 239 |
| 75 | 65.5 | H2RP075 | 7.8 | 22.0 | 0.189 | 2 | 2592 | 254 |
| 80 | 70.0 | H2RP080 | 7.8 | 22.0 | 0.178 | 2 | 2744 | 277 |
| 85 | 74.5 | H2RP085 | 7.8 | 24.5 | 0.196 | 2 | 3138 | 290 |
| 90 | 79.0 | H2RP090 | 7.8 | 24.5 | 0.186 | 2 | 3304 | 314 |
| 95 | 83.5 | H2RP095 | 7.8 | 27.3 | 0.205 | 3 | 3880 | 326 |
| 100 | 88.0 | H2RP100 | 7.8 | 27.3 | 0.195 | 3 | 4055 | 352 |
| 105 | 92.5 | H2RP105 | 7.8 | 29.4 | 0.206 | 3 | 4510 | 362 |
| 110 | 97.0 | H2RP110 | 7.8 | 29.4 | 0.196 | 3 | 4698 | 390 |
| 115 | 101.5 | H2RP115 | 7.8 | 31.4 | 0.205 | 3 | 5236 | 398 |
| 120 | 106.0 | H2RP120 | 7.8 | 31.4 | 0.197 | 3 | 5433 | 428 |

OTM @ 5' = 57 ft-kips

H 3 R P (7,500# / 4,688#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H3RP040 | 8.0 | 14.8 | 0.170 | 1 | 1077 | 150 |
| 45 | 38.5 | H3RP045 | 8.0 | 17.0 | 0.200 | 1 | 1309 | 171 |
| 50 | 43.0 | H3RP050 | 8.0 | 17.0 | 0.180 | 1 | 1440 | 193 |
| 55 | 47.5 | H3RP055 | 8.0 | 18.8 | 0.196 | 2 | 1728 | 213 |
| 60 | 52.0 | H3RP060 | 8.0 | 18.8 | 0.180 | 2 | 1865 | 235 |
| 65 | 56.5 | H3RP065 | 8.0 | 21.0 | 0.200 | 2 | 2184 | 255 |
| 70 | 61.0 | H3RP070 | 8.0 | 21.0 | 0.186 | 2 | 2335 | 278 |
| 75 | 65.5 | H3RP075 | 8.0 | 23.2 | 0.203 | 2 | 2708 | 298 |
| 80 | 70.0 | H3RP080 | 8.0 | 23.2 | 0.190 | 2 | 2870 | 321 |
| 85 | 74.5 | H3RP085 | 8.0 | 26.0 | 0.212 | 2 | 3302 | 340 |
| 90 | 79.0 | H3RP090 | 8.0 | 26.0 | 0.200 | 2 | 3475 | 365 |
| 95 | 83.5 | H3RP095 | 8.0 | 28.6 | 0.217 | 3 | 4044 | 382 |
| 100 | 88.0 | H3RP100 | 8.0 | 28.6 | 0.206 | 3 | 4226 | 407 |
| 105 | 92.5 | H3RP105 | 8.0 | 31.2 | 0.221 | 3 | 4775 | 424 |
| 110 | 97.0 | H3RP110 | 8.0 | 31.2 | 0.211 | 3 | 4973 | 451 |
| 115 | 101.5 | H3RP115 | 8.0 | 33.0 | 0.217 | 3 | 5480 | 466 |
| 120 | 106.0 | H3RP120 | 8.0 | 33.0 | 0.208 | 3 | 5684 | 494 |

OTM @ 5' = 62 ft-kips

7.5" - 8" Tip

Embedment
(L x .10) + 2'13.1" - 33"
Base Diameter

PRODUCT DATA

H 4 R P (8,700# / 5,438#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H4RP040 | 8.5 | 16.5 | 0.200 | 1 | 1116 | 174 |
| 45 | 38.5 | H4RP045 | 8.5 | 18.2 | 0.216 | 1 | 1336 | 199 |
| 50 | 43.0 | H4RP050 | 8.5 | 18.2 | 0.194 | 1 | 1476 | 223 |
| 55 | 47.5 | H4RP055 | 8.5 | 20.2 | 0.213 | 2 | 1786 | 247 |
| 60 | 52.0 | H4RP060 | 8.5 | 20.2 | 0.195 | 2 | 1935 | 273 |
| 65 | 56.5 | H4RP065 | 8.5 | 22.2 | 0.211 | 2 | 2253 | 296 |
| 70 | 61.0 | H4RP070 | 8.5 | 22.2 | 0.196 | 2 | 2410 | 322 |
| 75 | 65.5 | H4RP075 | 8.5 | 24.3 | 0.211 | 2 | 2788 | 345 |
| 80 | 70.0 | H4RP080 | 8.5 | 24.3 | 0.198 | 2 | 2956 | 372 |
| 85 | 74.5 | H4RP085 | 8.5 | 27.2 | 0.220 | 2 | 3403 | 394 |
| 90 | 79.0 | H4RP090 | 8.5 | 27.2 | 0.208 | 2 | 3589 | 421 |
| 95 | 83.5 | H4RP095 | 8.5 | 30.0 | 0.226 | 3 | 4171 | 443 |
| 100 | 88.0 | H4RP100 | 8.5 | 30.0 | 0.215 | 3 | 4365 | 471 |
| 105 | 92.5 | H4RP105 | 8.5 | 32.3 | 0.227 | 3 | 4929 | 492 |
| 110 | 97.0 | H4RP110 | 8.5 | 32.3 | 0.216 | 3 | 5137 | 522 |
| 115 | 101.5 | H4RP115 | 8.5 | 34.9 | 0.230 | 3 | 5766 | 541 |
| 120 | 106.0 | H4RP120 | 8.5 | 34.9 | 0.220 | 3 | 5985 | 572 |

OTM @ 5' = 71 ft-kips

8.5" - 9" Tip

H 5 R P (10,000# / 6,250#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H5RP040 | 9.0 | 17.5 | 0.213 | 1 | 1181 | 200 |
| 45 | 38.5 | H5RP045 | 9.0 | 20.0 | 0.244 | 1 | 1447 | 228 |
| 50 | 43.0 | H5RP050 | 9.0 | 20.0 | 0.220 | 1 | 1601 | 257 |
| 55 | 47.5 | H5RP055 | 9.0 | 22.0 | 0.236 | 2 | 1929 | 284 |
| 60 | 52.0 | H5RP060 | 9.0 | 22.0 | 0.217 | 2 | 2090 | 314 |
| 65 | 56.5 | H5RP065 | 9.0 | 24.3 | 0.235 | 2 | 2459 | 341 |
| 70 | 61.0 | H5RP070 | 9.0 | 24.3 | 0.219 | 2 | 2631 | 371 |
| 75 | 65.5 | H5RP075 | 9.0 | 26.5 | 0.233 | 2 | 3016 | 397 |
| 80 | 70.0 | H5RP080 | 9.0 | 26.5 | 0.219 | 2 | 3198 | 429 |
| 85 | 74.5 | H5RP085 | 9.0 | 29.0 | 0.235 | 2 | 3625 | 453 |
| 90 | 79.0 | H5RP090 | 9.0 | 29.0 | 0.222 | 2 | 3820 | 487 |
| 95 | 83.5 | H5RP095 | 9.0 | 31.7 | 0.239 | 3 | 4436 | 509 |
| 100 | 88.0 | H5RP100 | 9.0 | 31.7 | 0.227 | 3 | 4640 | 545 |
| 105 | 92.5 | H5RP105 | 9.0 | 34.3 | 0.241 | 3 | 5231 | 566 |
| 110 | 97.0 | H5RP110 | 9.0 | 34.3 | 0.230 | 3 | 5449 | 603 |
| 115 | 101.5 | H5RP115 | 9.0 | 37.0 | 0.243 | 3 | 6137 | 622 |
| 120 | 106.0 | H5RP120 | 9.0 | 37.0 | 0.233 | 3 | 6365 | 662 |

OTM @ 5' = 80 ft-kips

H 6 R P (11,400# / 7,125#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H6RP040 | 9.0 | 18.3 | 0.230 | 1 | 1211 | 228 |
| 45 | 38.5 | H6RP045 | 9.0 | 21.0 | 0.267 | 1 | 1495 | 260 |
| 50 | 43.0 | H6RP050 | 9.0 | 21.0 | 0.240 | 1 | 1655 | 292 |
| 55 | 47.5 | H6RP055 | 9.0 | 23.2 | 0.258 | 2 | 2003 | 324 |
| 60 | 52.0 | H6RP060 | 9.0 | 23.4 | 0.237 | 2 | 2173 | 357 |
| 65 | 56.5 | H6RP065 | 9.0 | 25.7 | 0.257 | 2 | 2565 | 388 |
| 70 | 61.0 | H6RP070 | 9.0 | 25.9 | 0.239 | 2 | 2741 | 421 |
| 75 | 65.5 | H6RP075 | 9.0 | 28.3 | 0.257 | 2 | 3191 | 452 |
| 80 | 70.0 | H6RP080 | 9.0 | 28.3 | 0.241 | 2 | 3381 | 486 |
| 85 | 74.5 | H6RP085 | 9.0 | 30.8 | 0.256 | 2 | 3816 | 517 |
| 90 | 79.0 | H6RP090 | 9.0 | 30.8 | 0.242 | 2 | 4021 | 551 |
| 95 | 83.5 | H6RP095 | 9.0 | 33.4 | 0.257 | 3 | 4622 | 581 |
| 100 | 88.0 | H6RP100 | 9.0 | 33.4 | 0.244 | 3 | 4835 | 616 |
| 105 | 92.5 | H6RP105 | 9.0 | 37.0 | 0.267 | 3 | 5592 | 645 |
| 110 | 97.0 | H6RP110 | 9.0 | 37.0 | 0.255 | 3 | 5820 | 681 |
| 115 | 101.5 | H6RP115 | 9.0 | 38.5 | 0.257 | 3 | 7182 | 709 |
| 120 | 106.0 | H6RP120 | 9.0 | 38.5 | 0.246 | 3 | 7529 | 746 |

OTM @ 5' = 82 ft-kips

Embedment
(L x .10) + 2'16.5" - 38.5"
Base Diameter



PRODUCT DATA

H 7 R P (13,120# / 8,200#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H7RP040 | 10.0 | 20.0 | 0.250 | 1 | 1336 | 263 |
| 45 | 38.5 | H7RP045 | 10.0 | 21.3 | 0.250 | 1 | 1558 | 299 |
| 50 | 43.0 | H7RP050 | 10.0 | 22.5 | 0.250 | 1 | 1791 | 337 |
| 55 | 47.5 | H7RP055 | 10.0 | 22.8 | 0.233 | 2 | 2565 | 373 |
| 60 | 52.0 | H7RP060 | 10.0 | 24.0 | 0.233 | 2 | 2867 | 411 |
| 65 | 56.5 | H7RP065 | 10.0 | 25.2 | 0.234 | 2 | 3180 | 446 |
| 70 | 61.0 | H7RP070 | 10.0 | 26.4 | 0.234 | 2 | 3509 | 485 |
| 75 | 65.5 | H7RP075 | 10.0 | 27.6 | 0.235 | 2 | 3816 | 521 |
| 80 | 70.0 | H7RP080 | 10.0 | 28.8 | 0.235 | 2 | 4219 | 559 |
| 85 | 74.5 | H7RP085 | 10.0 | 30.2 | 0.238 | 2 | 4643 | 595 |
| 90 | 79.0 | H7RP090 | 10.0 | 31.2 | 0.236 | 2 | 5008 | 634 |
| 95 | 83.5 | H7RP095 | 10.0 | 31.9 | 0.231 | 3 | 5899 | 668 |
| 100 | 88.0 | H7RP100 | 10.0 | 33.1 | 0.231 | 3 | 6365 | 710 |
| 105 | 92.5 | H7RP105 | 10.0 | 34.3 | 0.231 | 3 | 6853 | 742 |
| 110 | 97.0 | H7RP110 | 10.0 | 35.5 | 0.232 | 3 | 7356 | 784 |
| 115 | 101.5 | H7RP115 | 10.0 | 36.7 | 0.232 | 3 | 7853 | 816 |
| 120 | 106.0 | H7RP120 | 10.0 | 37.9 | 0.233 | 3 | 8369 | 859 |

OTM @ 5' = 85 ft-kips

H 8 R P (15,040# / 9,400#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H8RP040 | 10.0 | 19.2 | 0.230 | 1 | 1712 | 301 |
| 45 | 38.5 | H8RP045 | 10.0 | 20.4 | 0.231 | 1 | 1993 | 343 |
| 50 | 43.0 | H8RP050 | 10.0 | 21.5 | 0.230 | 1 | 2295 | 385 |
| 55 | 47.5 | H8RP055 | 10.0 | 22.2 | 0.222 | 2 | 2645 | 428 |
| 60 | 52.0 | H8RP060 | 10.0 | 23.3 | 0.222 | 2 | 2968 | 471 |
| 65 | 56.5 | H8RP065 | 10.0 | 24.4 | 0.222 | 2 | 3366 | 512 |
| 70 | 61.0 | H8RP070 | 10.0 | 25.6 | 0.223 | 2 | 3726 | 556 |
| 75 | 65.5 | H8RP075 | 10.0 | 26.8 | 0.224 | 2 | 4161 | 597 |
| 80 | 70.0 | H8RP080 | 10.0 | 27.9 | 0.224 | 2 | 4553 | 642 |
| 85 | 74.5 | H8RP085 | 10.0 | 29.1 | 0.225 | 2 | 4961 | 682 |
| 90 | 79.0 | H8RP090 | 10.0 | 30.2 | 0.224 | 2 | 5385 | 727 |
| 95 | 83.5 | H8RP095 | 10.0 | 30.9 | 0.220 | 3 | 5925 | 766 |
| 100 | 88.0 | H8RP100 | 10.0 | 32.0 | 0.220 | 3 | 6331 | 814 |
| 105 | 92.5 | H8RP105 | 10.0 | 33.2 | 0.221 | 3 | 6917 | 851 |
| 110 | 97.0 | H8RP110 | 10.0 | 34.3 | 0.221 | 3 | 7404 | 900 |
| 115 | 101.5 | H8RP115 | 10.0 | 35.4 | 0.221 | 3 | 8040 | 935 |
| 120 | 106.0 | H8RP120 | 10.0 | 36.6 | 0.222 | 3 | 8560 | 986 |

OTM @ 5' = 130 ft-kips

H 9 R P (16,800# / 10,500#)

| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H9RP040 | 10.0 | 20.0 | 0.250 | 1 | 1754 | 315 |
| 45 | 38.5 | H9RP045 | 10.0 | 21.2 | 0.249 | 1 | 2050 | 383 |
| 50 | 43.0 | H9RP050 | 10.0 | 22.5 | 0.250 | 1 | 2364 | 420 |
| 55 | 47.5 | H9RP055 | 10.0 | 23.1 | 0.238 | 2 | 2740 | 478 |
| 60 | 52.0 | H9RP060 | 10.0 | 24.3 | 0.238 | 2 | 3085 | 526 |
| 65 | 56.5 | H9RP065 | 10.0 | 25.6 | 0.240 | 2 | 3477 | 572 |
| 70 | 61.0 | H9RP070 | 10.0 | 26.8 | 0.240 | 2 | 3853 | 621 |
| 75 | 65.5 | H9RP075 | 10.0 | 28.1 | 0.241 | 2 | 4314 | 667 |
| 80 | 70.0 | H9RP080 | 10.0 | 29.3 | 0.241 | 2 | 4728 | 716 |
| 85 | 74.5 | H9RP085 | 10.0 | 30.6 | 0.242 | 2 | 5175 | 761 |
| 90 | 79.0 | H9RP090 | 10.0 | 31.8 | 0.242 | 2 | 5607 | 812 |
| 95 | 83.5 | H9RP095 | 10.0 | 32.4 | 0.236 | 3 | 6153 | 856 |
| 100 | 88.0 | H9RP100 | 10.0 | 33.7 | 0.237 | 3 | 6625 | 908 |
| 105 | 92.5 | H9RP105 | 10.0 | 34.9 | 0.237 | 3 | 7240 | 950 |
| 110 | 97.0 | H9RP110 | 10.0 | 36.2 | 0.238 | 3 | 7754 | 1004 |
| 115 | 101.5 | H9RP115 | 10.0 | 37.4 | 0.238 | 3 | 8401 | 1045 |
| 120 | 106.0 | H9RP120 | 10.0 | 38.7 | 0.239 | 3 | 8946 | 1100 |

OTM @ 5' = 133 ft-kips

10.0" Tip

Embedment
(L x .10) + 2'20.0" - 38.7"
Base Diameter

PRODUCT DATA

H 1 0 R P (18,400# / 11,500#)

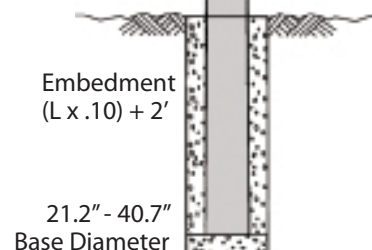
| TOTAL LENGTH (FT) "L" | TIP AGL (FT) | PART NUMBER | TIP DIAMETER (IN) | BASE DIAMETER (IN) | SLOPE (IN/FT) | NO. SECTIONS | WEIGHT (LB) | OVERTURNING MOMENT CAPACITY (FT-KIP) |
|-----------------------|--------------|-------------|-------------------|--------------------|---------------|--------------|-------------|--------------------------------------|
| 40 | 34.0 | H10RP040 | 12.0 | 21.2 | 0.230 | 1 | 1945 | 368 |
| 45 | 38.5 | H10RP045 | 12.0 | 22.4 | 0.231 | 1 | 2253 | 420 |
| 50 | 43.0 | H10RP050 | 12.0 | 23.5 | 0.230 | 1 | 2581 | 472 |
| 55 | 47.5 | H10RP055 | 12.0 | 25.1 | 0.238 | 2 | 3074 | 523 |
| 60 | 52.0 | H10RP060 | 12.0 | 26.3 | 0.238 | 2 | 3440 | 576 |
| 65 | 56.5 | H10RP065 | 12.0 | 27.6 | 0.240 | 2 | 3896 | 627 |
| 70 | 61.0 | H10RP070 | 12.0 | 28.8 | 0.240 | 2 | 4304 | 680 |
| 75 | 65.5 | H10RP075 | 12.0 | 30.1 | 0.241 | 2 | 4765 | 730 |
| 80 | 70.0 | H10RP080 | 12.0 | 31.3 | 0.241 | 2 | 5210 | 785 |
| 85 | 74.5 | H10RP085 | 12.0 | 32.6 | 0.242 | 2 | 5666 | 834 |
| 90 | 79.0 | H10RP090 | 12.0 | 33.8 | 0.242 | 2 | 6148 | 890 |
| 95 | 83.5 | H10RP095 | 12.0 | 34.4 | 0.236 | 3 | 6779 | 937 |
| 100 | 88.0 | H10RP100 | 12.0 | 35.7 | 0.237 | 3 | 7282 | 995 |
| 105 | 92.5 | H10RP105 | 12.0 | 36.9 | 0.237 | 3 | 7918 | 1041 |
| 110 | 97.0 | H10RP110 | 12.0 | 38.2 | 0.238 | 3 | 8459 | 1100 |
| 115 | 101.5 | H10RP115 | 12.0 | 39.4 | 0.238 | 3 | 9153 | 1141 |
| 120 | 106.0 | H10RP120 | 12.0 | 40.7 | 0.239 | 3 | 9731 | 1206 |

OTM @ 5' = 183 ft-kips

12.0" Tip

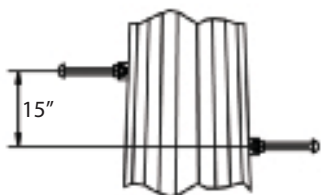
Design Notes:

1. Pole designs are in accordance with ASCE 48, "Design of Steel Transmission Pole Structures".
2. Pole sections are ASTM grade 65 material with a charpy impact value of 15 ft-lbs at -20 F.
3. Multiple section poles include slip splice joints with a minimum slip length equal to 1.5 times the inside diameter across flats of the outer section at the splice.
4. Galvanized poles are hot-dip galvanized in accordance with ASTM A123.
5. Tabulated weights assume galvanized poles.



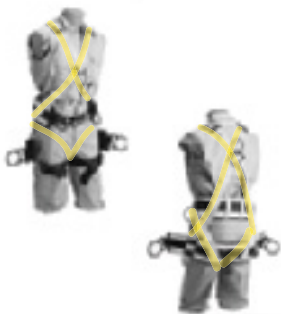


PARTS & ACCESSORIES



STEP BOLTS

STEP BOLTS AND STEP BOLT CLIPS
ARE OPTIONAL AND MUST BE
SPECIFIED AT TIME OF ORDER.



CLIMBING HARNESS

TTFBH-4D
JOURNEYMAN HARNESS

TTFBH-C/P
PROFESSIONAL HARNESS



SAFETY CABLE SLIDER WITH CARABINEER

TT-WG-500-W/SMC

SAFETY CABLE SYSTEM

| Pole Height (AGL) | Part Number |
|----------------------|-------------|
| 30' - 50' | TT050TSP |
| 60' - 100' | TT100TSP |
| 110' - 150' | TT150TSP |

A tall, slender telecommunications tower with a lattice structure, featuring several circular antennas and a small platform near the top, set against a cloudy sky.



UTILITY STRUCTURES



GENERAL

ROHN has been a trusted name in quality engineered structures since 1948. Our extensive engineering capabilities include in-house structural and foundation design. We are able to design to both domestic and international standards. ROHN is one of the few tower designers and manufacturers able to provide drawings sealed by a Professional Engineer, to customers in 49 states as well as Washington DC and Puerto Rico. ROHN is able to fabricate even the most difficult projects with accuracy and reliability. ROHN can optimize pole designs based on individual customer requirements, manufacturing efficiencies and material availability. Our commitment to the Utility industry is to provide world class quality products with the shortest lead time.



CERTIFICATIONS

- CWB Certified Welding Fabricator
- AWS Certified Welding Fabricator, Inspectors and Educators
- Dual AISC Certified Steel Fabricator (Bridges & Highways)
- City of Los Angeles Certified Fabricator
- Clark County Certified Fabricator
- Multiple Vendor Certification

CAPABILITIES

- Heavy Duty Transmission & Distribution Poles
- Direct Embed & Base Plated Poles
- Lattice Structures
- Switches & Substation Steel
- Galvanized, Weathering Steel & Painted Finishes
- Tapered Slip Fit or Connection Flanged Poles

TRANSMISSION

ROHN fabricates transmission structures for projects ranging from light-duty in-line poles up to the largest diameter dead end structures. The structures are cut, formed, fabricated and galvanized on site at ROHN. ROHN can provide engineering, detailing and our AISC Certified fabrication facility can support large or small transmission projects across the globe.

DISTRIBUTION

ROHN provides structures to support electric power distribution in its many forms. ROHN offers both pre-engineered steel structures (wood pole equivalents) and larger distribution structures that can either be flanged at the base or direct embedded. ROHN also offers a wide selection of corrosion resistant coatings to guarantee the product life.

SUBSTATION STEEL

ROHN fabricates all forms of substation steel to allow the entire transmission and distribution build to be supplied by ROHN. We have hollow steel structures in stock to turn substation work around on time to keep pace with project schedules. ROHN can supply all cross arms, uprights, H-frames and any steel frame or support to complete the substation. Each substation item is hot-dip galvanized after fabrication for corrosion resistance.

SWITCHES

ROHN fabricates switch steel structures including all static masts, buss supports, arrestor structures, and all other steel components that make up the switch. The steel is fabricated by AWS and CWB welders in our AISC certified fabrication plant. From start to finish, we have your project covered.





TRANSPORTATION STRUCTURES



GENERAL

ROHN has been a trusted name in quality engineered structures since 1948. Our engineers study every aspect of a prospective job before designing a structure to fit your needs. We are able to design to both domestic and international standards. ROHN provides professional engineering certification for our designs. Our engineers are certified in 49 states as well as Washington DC and Puerto Rico. ROHN is able to fabricate the most difficult projects with accuracy and reliability. ROHN can optimize pole designs based on individual customer requirements, manufacturing efficiencies and material availability. Our commitment to the Transportation Industry is to provide world class quality products with the shortest lead time.



CERTIFICATIONS

- AISC Certified Steel Fabricator (Buildings & Simple Steel Bridges)
- AWS Certified Welders, Inspectors and Educators
- CWB Certified Welding Fabricator
- City of Los Angeles Certified Fabricator
- Clark County Certified Fabricator
- Multiple Vendor Certifications
- Manufactured to AASHTO Standards

CAPABILITIES

- Mast Arms
- Monotube Assemblies
- Steel Strain Poles
- High Past Poles
- Galvanized or Painted Finishes
- Weathering Steel
- Sign Structures

MAST ARMS

ROHN is considered the quality leader to state, county and municipal buyers of mast arm structures. ROHN mast arms are in service at intersections as wide as 88'. Our designs conform to all AASHTO standards as well as local design codes. ROHN's mast arms can be hot-dip galvanized and can also be painted upon request.

HIGH MAST POLES

For years, ROHN has been a reliable manufacturer of high mast lighting poles for state D.O.T. projects, prisons, port authorities and other commercial projects across the country. These organizations and many others choose ROHN because of our proven quality in manufacturing and design, as well as our focus on finding the best possible value for our customers.

High mast lighting poles range in height from 60' to 150' and are designed to accommodate a number of lowering device manufacturers' equipment. High mast poles can be galvanized or painted based on customer requirements.

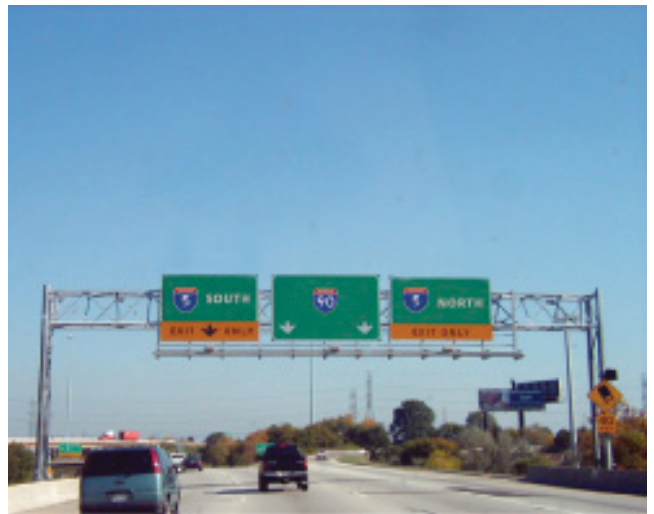
MONOTUBE ASSEMBLIES

In applications where a very long span is needed and a more decorative appearance is needed, some State Departments of Transportation will specify monotube assemblies for Tubular Signal Structures and Sign Bridge Applications.

All ROHN monotube assemblies are designed to AASHTO standards and comply with appropriate state specifications. These monotube assemblies can range from 20' to 200' and are designed to accommodate a number of various highway signs and signals. Monotube assemblies can be galvanized or painted based on customer requirements.

SIGN STRUCTURES

ROHN Products, LLC has the experience and expertise to address all of your metal fabrication needs. Through 60 years, ROHN has expanded into fabricated Sign Structures and now has the capabilities to design and build Steel Overhead Sign Trusses, Cantilever Structures, Butterfly Structures, and DMS Sign Structures. ROHN Products, LLC is certified by the American Institute of Steel Construction for both Steel Building Structures and Simple Steel Bridges. Our welders are qualified in accordance with the American Welding Society and various State DOT Requirements.



WIND TURBINE STRUCTURES



GENERAL

ROHN provides an extensive analysis on Wind Turbine structures that includes examination of extreme wind, extreme ice, yawing, fatigue, vibration and more. The dynamic nature of a wind turbine requires an additional investment in the analysis of the support structure to ensure the structures perform safely and efficiently.

CERTIFICATIONS

- AISC Certified Steel Fabricator (Buildings & Simple Steel Bridges)
- AWS Certified Welders, Inspectors and Educators
- CWB Certified Welding Fabricator
- City of Los Angeles Certified Fabricator
- Clark County Certified Fabricator
- Multiple Vendor Certifications

CAPABILITIES

- Pole, Self-Supporting Latticed and Guyed Mast Designs
- Fatigue Analysis
- Natural Frequency Analysis
- Preparation of Loading Documents
- Braking, Short Circuit, Shutdown Analysis
- Special Design Requests Considered



SELF-SUPPORTING TOWERS

ROHN Self-Supporting Towers provide an efficient design specific for each turbine's loading criteria. The towers are designed with tubular or solid legs and angle braces. The tower top flange is designed with a transition plate to receive the turbine base. ROHN lightweight towers have been designed with hinged bases to allow the tower to be slowly lowered for turbine maintenance and repairs.

POLES

ROHN designs both tapered slip joint poles and flanged poles to support Wind Turbines. ROHN turbine support poles have ranged from 30' in height to 140' in height supporting turbines up to 50 kW.



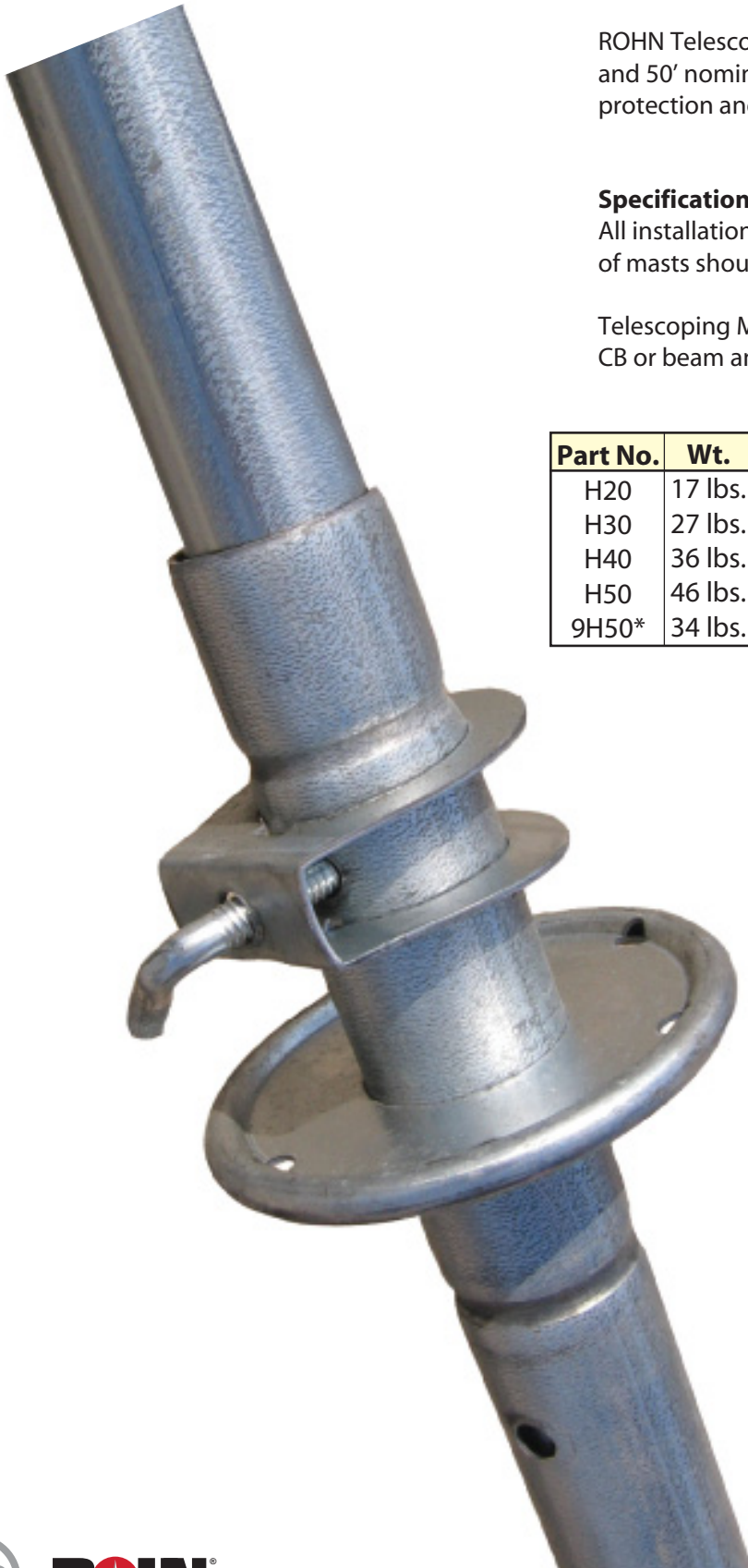
NOTES

TELESCOPING MASTS





TELESCOPING MASTS FOR USE IN GUYED OR BRACKETED INSTALLATIONS



ROHN Telescoping Masts are available in 20', 30', 33', 40' and 50' nominal heights. All are pre-galvanized for corrosion protection and come assembled with hardware.

Specifications:

All installations must be guyed or bracketed. Installation of masts should be done by experienced professionals.

Telescoping Masts are not recommended for commercial, CB or beam antenna installations.

| Part No. | Wt. | O.D. Bottom | O.D. Top | Shipping Length |
|----------|---------|-------------|----------|-----------------|
| H20 | 17 lbs. | 1 1/2" | 1 1/4" | 123" |
| H30 | 27 lbs. | 1 3/4" | 1 1/4" | 123" |
| H40 | 36 lbs. | 2" | 1 1/4" | 123" |
| H50 | 46 lbs. | 2 1/4" | 1 1/4" | 123" |
| 9H50* | 34 lbs. | 2 1/4" | 1 1/4" | 99" |

*9H50 is UPS shippable.

Note:

Guys, guy hardware, anchors and base mount must be ordered separately. Refer to pages 245-248 for standard kits and page 249 for individual components.

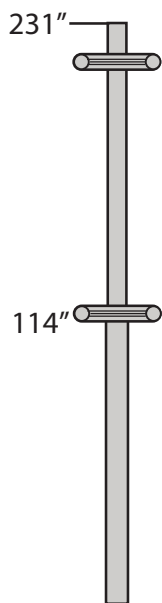
TELESCOPING MASTS

H20 | H30 | H40 | H50 | 9H50

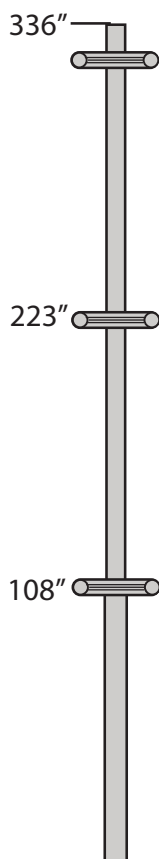
NEW PRODUCT
9H50

UPS Shippable!

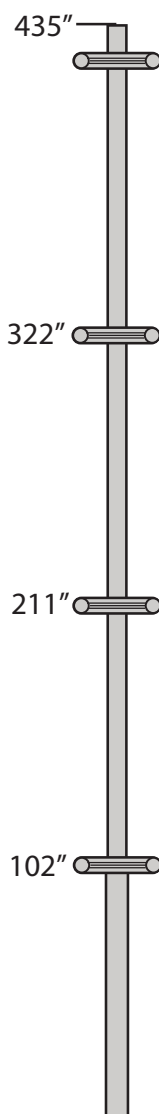
Top rings are adjustable based on antenna mounting.



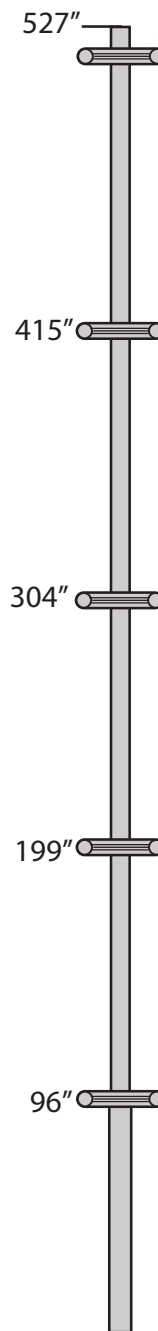
H20



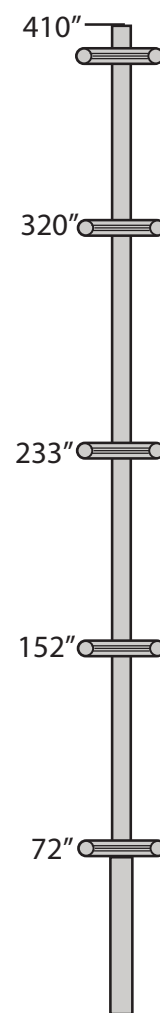
H30



H40



H50



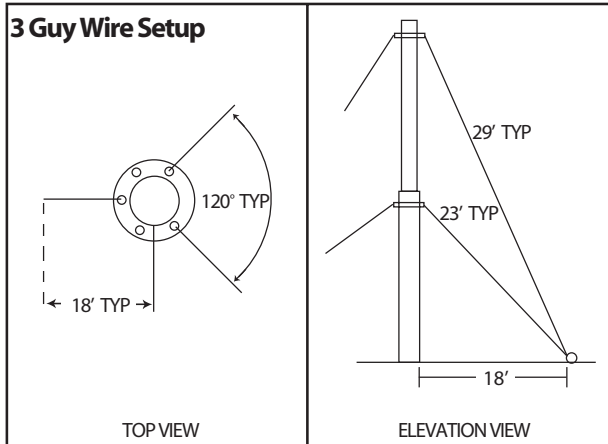
9H50



INSTALLATION GUIDELINES

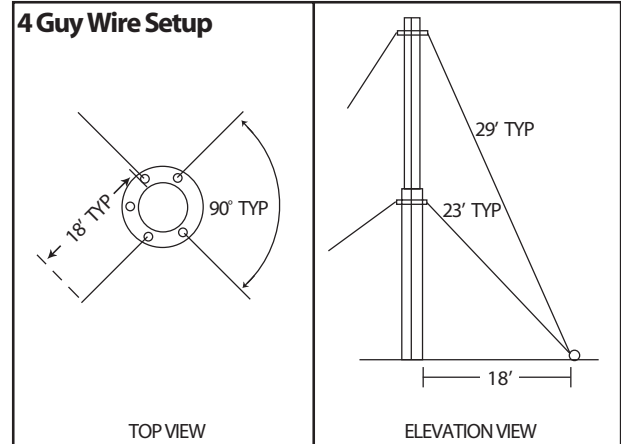
All Telescoping Mast kits include guys, connection hardware, anchors and ground mount.
Mast must be ordered separately.

H20 GUY KIT

**H203WAYGUY**

Actual Wire Required - 200'

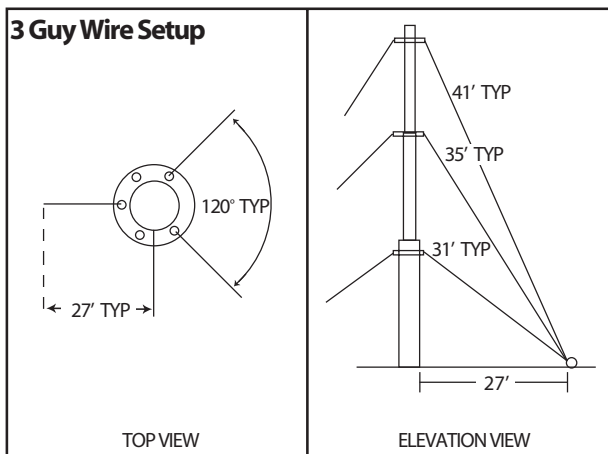
| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 3 | GAS4303 | 1/2" x 30" Screw Anchor |
| 12 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |

**H204WAYGUY**

Actual Wire Required - 250'

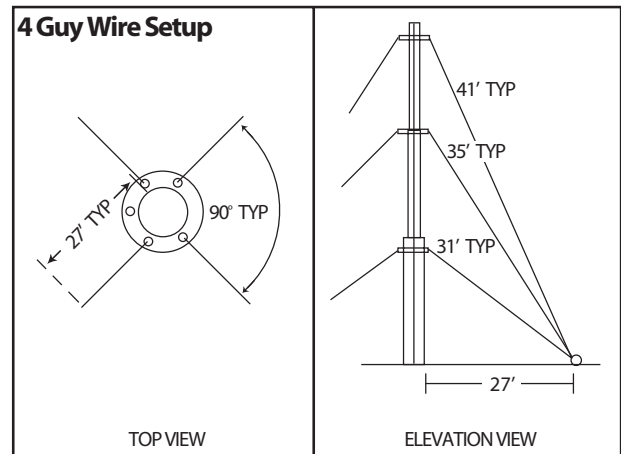
| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 4 | GAS4303 | 1/2" x 30" Screw Anchor |
| 16 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |

H30 GUY KIT

**H303WAYGUY**

Actual Wire Required - 350'

| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 3 | GAS4303 | 1/2" x 30" Screw Anchor |
| 18 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |

**H304WAYGUY**

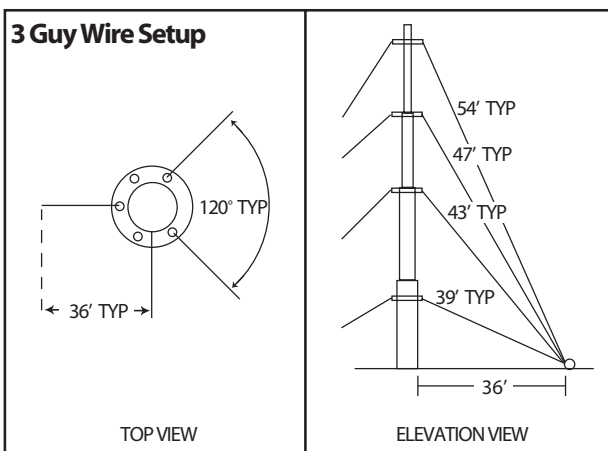
Actual Wire Required - 450'

| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 4 | GAS4303 | 1/2" x 30" Screw Anchor |
| 24 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |

INSTALLATION GUIDELINES

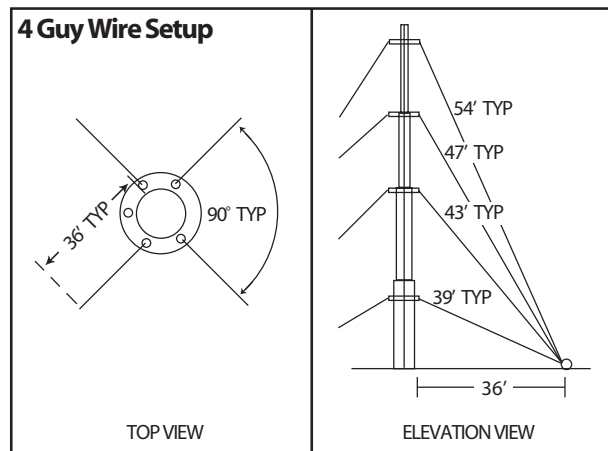
All Telescoping Mast kits include guys, connection hardware, anchors and ground mount.
Mast must be ordered separately.

H40 GUY KIT

**H403WAYGUY**

Actual Wire Required - 550'

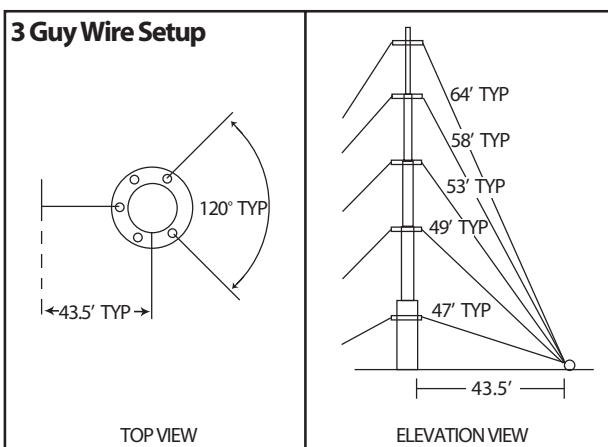
| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 3 | GAS4303 | 1/2" x 30" Screw Anchor |
| 24 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |

**H404WAYGUY**

Actual Wire Required - 750'

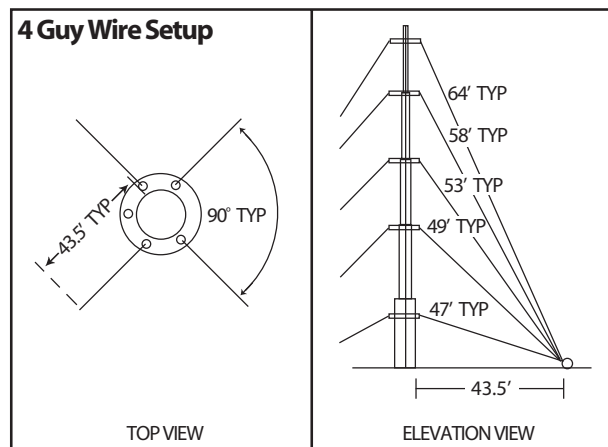
| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 4 | GAS4303 | 1/2" x 30" Screw Anchor |
| 32 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |

H50 GUY KIT

**H503WAYGUY**

Actual Wire Required - 850'

| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 3 | GAS604 | 5/8" x 48" Screw Anchor |
| 30 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |

**H504WAYGUY**

Actual Wire Required - 1100'

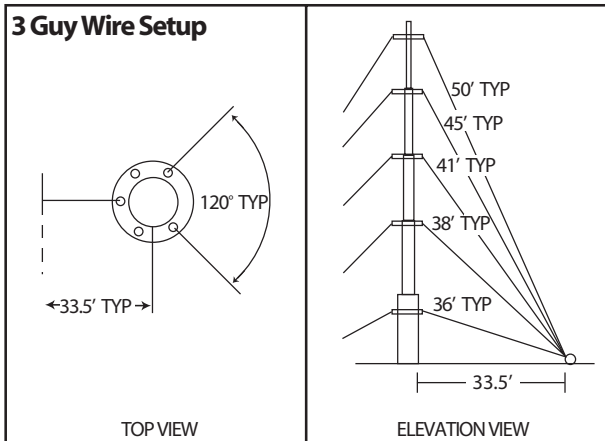
| | | |
|----|-----------|-----------------------------|
| 2 | 618 | 1000' - 6 Strand/18 GA Wire |
| 4 | GAS604 | 5/8" x 48" Screw Anchor |
| 40 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |



INSTALLATION GUIDELINES

All Telescoping Mast kits include guys, connection hardware, anchors and ground mount.
Mast must be ordered separately.

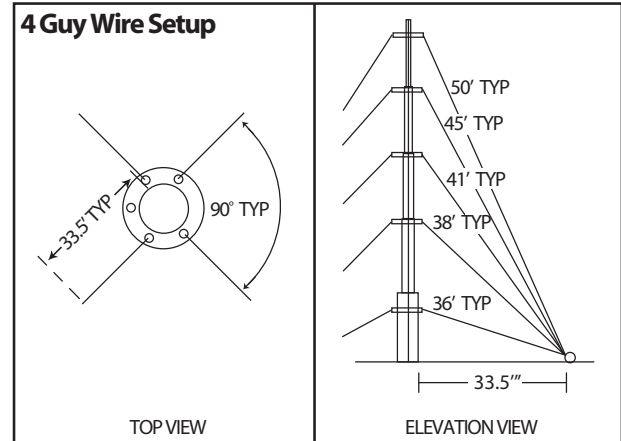
9H50 GUY KIT



9H503WAYGUY

Actual Wire Required - 650'

| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 3 | GAS604 | 5/8" x 48" Screw Anchor |
| 30 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |



9H504WAYGUY

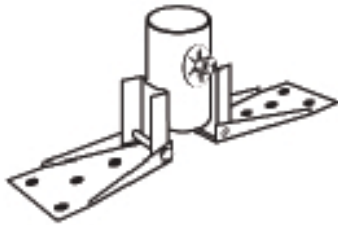
Actual Wire Required - 850'

| | | |
|----|-----------|-----------------------------|
| 1 | 618 | 1000' - 6 Strand/18 GA Wire |
| 4 | GAS604 | 5/8" x 48" Screw Anchor |
| 40 | 61820GRPL | 618/620 Gripple |
| 1 | GTMBL | Ground Mount |

INSTALLATION GUIDELINES

1. Installation or dismantling of telescoping masts require professional contractors experienced with guyed masts.
2. All installations must be bracketed or guyed.
3. The pictured guy layouts are for a typical installation. Individual installation requirements may vary.
4. Antenna load (top load) should not exceed an effective projected area (EPA) of 2 square feet (see your antenna specifications).

PARTS & ACCESSORIES

**UNIVERSAL RIDGE MOUNT**

Completely assembled for quick and easy flat or peaked roof installation. Allows tall masts to be swung up along the ridge of a roof.

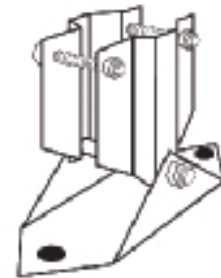
| Part No. | Description |
|-------------|----------------------------|
| UM20 | Holds masts to 1 1/2" O.D. |
| UM30 | Holds masts to 1 3/4" O.D. |
| UM40 | Holds masts to 2" O.D. |
| UM50 | Holds masts to 2 1/4" O.D. |

Roof mounting hardware not included.

**GROUND MOUNT**

Sturdy, galvanized, drive-in type mount for all ROHN telescoping masts, 1 1/4" tubing and 1 1/2" tubing.

| Part No. | Description |
|--------------|--------------|
| GTMBL | Ground Mount |

**UNIVERSAL ROOF MOUNT**

Features galvanized finish and heavy duty steel throughout. Completely assembled. Holds all ROHN telescoping masts, 1 1/4" tubing and 1 1/2" tubing.

| Part No. | Description |
|-------------|-----------------|
| ETMB | Universal Mount |

Roof mounting hardware not included.

**GALVANIZED GUYS**

Non-tangling interconnected coils. Packaged 1000' per box.

| Part No. | Description |
|------------|-----------------|
| 618 | 6 strand, 18 GA |

**SCREW ANCHORS**

Hot-dip galvanized screw anchor.

| Part No. | Description |
|----------------|------------------------------------|
| GAS4303 | 1/2" dia. x 30" long with 4" auger |
| GAS604 | 5/8" dia. x 48" long with 6" auger |

**GUY CONNECTIONS**

Use for easy installation of 6 strand, 18 GA guys.

| Part No. | Description |
|------------------|--------------|
| 61820GRPL | Gripple Grip |

Not to be used to suspend or lift personnel.

Refer to page 251 for roof mounts. Refer to page 275 for wall mounts.

NOTES



ROOF MOUNTS





EFFECTIVE WIND VELOCITY FORMULA SHEET

ROHN recommends a minimum 75 mph Effective Wind Velocity be used for determining ballast requirements.
Refer to page 270 for ballast requirements and general notes.

$$V_e = (C1) (C2) (V)$$

V_e = Effective Wind Velocity at centerline of antenna for calculating required ballast.
C1 = Importance factor coefficient from Table 1.
C2 = Combined exposure and gust effect factor coefficient from Table 2.
V = Design ground wind speed for location, per ANSI/TIA-222-G.

Table 1: Values of C1

| Class | Description for installing considering height, use or location | Roof Height | |
|-------|--|-------------|----------|
| | | ≤ 60 ft. | > 60 ft. |
| I | Low hazard to human life and/or damage to property, optional services provided. | 1.29 | 0.93 |
| II | Significant hazard to human life and/or damage to property, services available by other means. | 1.38 | 1.00 |
| III | Substantial hazard to human life and/or damage to property, essential services provided. | 1.48 | 1.07 |

| Exposure | Description of Surrounding Terrain |
|----------|--|
| B | Urban and suburban areas, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger. |
| C | Open terrain with scattered obstructions having heights generally less than 30' [9.1m], including flat, open country and grasslands. |
| D | Flat, unobstructed shorelines exposed to wind flowing over open water, smooth mud flats, salt flats, and other similar terrain. |

Example: 30' antenna elevation, 90 mph design ground wind speed, Class I, Exposure B

$$V_e = (1.29) (0.82) (90) = 95 \text{ mph}$$

The minimum Effective Wind Velocity for determining ballast requirements for this example would be 95 mph.

This data sheet is provided to assist consumers in determining the minimum Effective Wind Velocity to be used for determining ballast requirements from a ROHN Non-Penetrating Roof Mount Ballast Chart. Higher velocities may be required for sites located on hills, escarpments or ridges (refer to ANSI/TIA-222-G). Potential increases in wind velocity due to channeling, roof projections and other obstructions must also be considered. The information shown should not be relied upon without competent professional examination and verification of its accuracy and suitability for a specific site or application.

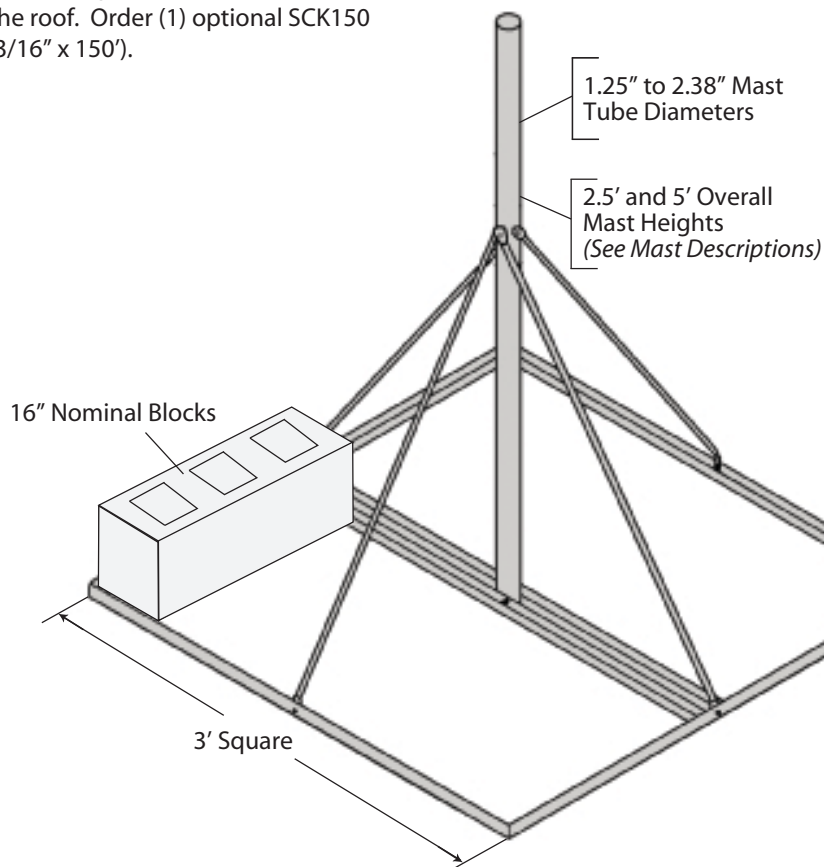
Table 2: Values of C2

| Antenna Centerline Elevation Above Ground Level (ft.) | Exposure | | |
|---|-----------------------|---------------------------|------------------------------|
| | B | C | D |
| | Urban or Wooded Areas | Open Country & Grasslands | Open Water or Smooth Terrain |
| 0-15 | 0.82 | 0.90 | 0.99 |
| 20 | 0.82 | 0.92 | 1.01 |
| 25 | 0.82 | 0.95 | 1.04 |
| 30 | 0.82 | 0.96 | 1.05 |
| 40 | 0.85 | 0.99 | 1.08 |
| 50 | 0.88 | 1.02 | 1.10 |
| 60 | 0.90 | 1.04 | 1.12 |
| 70 | 0.92 | 1.05 | 1.13 |
| 80 | 0.94 | 1.07 | 1.14 |
| 90 | 0.95 | 1.09 | 1.16 |
| 100 | 0.97 | 1.10 | 1.17 |
| 120 | 0.99 | 1.12 | 1.19 |
| 140 | 1.02 | 1.14 | 1.20 |
| 160 | 1.04 | 1.15 | 1.21 |
| 180 | 1.05 | 1.17 | 1.23 |
| 200 | 1.07 | 1.18 | 1.24 |
| 250 | 1.10 | 1.21 | 1.26 |
| 300 | 1.13 | 1.23 | 1.28 |
| 350 | 1.16 | 1.25 | 1.30 |
| 400 | 1.18 | 1.27 | 1.31 |
| 450 | 1.20 | 1.29 | 1.33 |
| 500 | 1.22 | 1.30 | 1.34 |

FRM NON-PENETRATING

The FRM mount is a lightweight mount and is galvanized for corrosion protection. The FRM mount is easily shipped via UPS.

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



MAST SPECIFICATIONS

| Mount Part No. | Mast Part No. | Mast Description & Height |
|----------------|---------------|---------------------------------------|
| FRM125 | FY202 | 1.25" O.D. x 16 GA. x 5.0' (PG) |
| FRM150 | FY203 | 1.50" O.D. x 16 GA. x 2.5' (PG) |
| FRM166 | FY204 | 1.66" O.D. x 16 GA. x 2.5' (PG) |
| FRM238 | FY205 | 2.38" O.D. x 0.154" wall x 2.5' (HDG) |
| FRM225 | FY205SP | 2.25" O.D. x 14 GA. x 5.0' (HDG) |
| FRM238SP5 | FY253 | 2.38" O.D. x 0.154" wall x 5.0' (HDG) |

PG = Pre-galvanized mast
HDG = Hot-dip galvanized mast

FRM 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 |
| 1 | 100 | 12 | 140 | 135 | 110 | 96 | 85 |
| | 200 | 24 | 198 | 188 | 153 | 133 | 119 |
| | 300 | 36 | 242 | 222 | 182 | 157 (154) | 141 (131) |
| | 400 | 48 | 280 | 269 | 219 (197) | 190 (154) | 170 (131) |
| 2 | 100 | 12 | 99 | 96 | 78 | 68 | 60 |
| | 200 | 24 | 140 | 133 | 108 | 94 | 84 |
| | 300 | 36 | 171 | 157 | 129 | 111 | 99 (93) |
| | 400 | 48 | 198 | 190 | 155 (139) | 134 (109) | 120 (93) |
| 3 | 100 | 12 | 81 | 78 | 64 | 55 | 49 |
| | 200 | 24 | 114 | 108 | 88 | 77 | 68 |
| | 300 | 36 | 140 | 128 | 105 | 91 (89) | 81 (76) |
| | 400 | 48 | 161 | 155 | 127 (114) | 110 (89) | 98 (76) |

h = Distance from support surface to centroid of EPA.

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

Vmax = Effective wind velocity based on strength or overturning.

NOTE: The velocities in () apply to the FRM125 mount when the strength of the FRM125 mast governs.

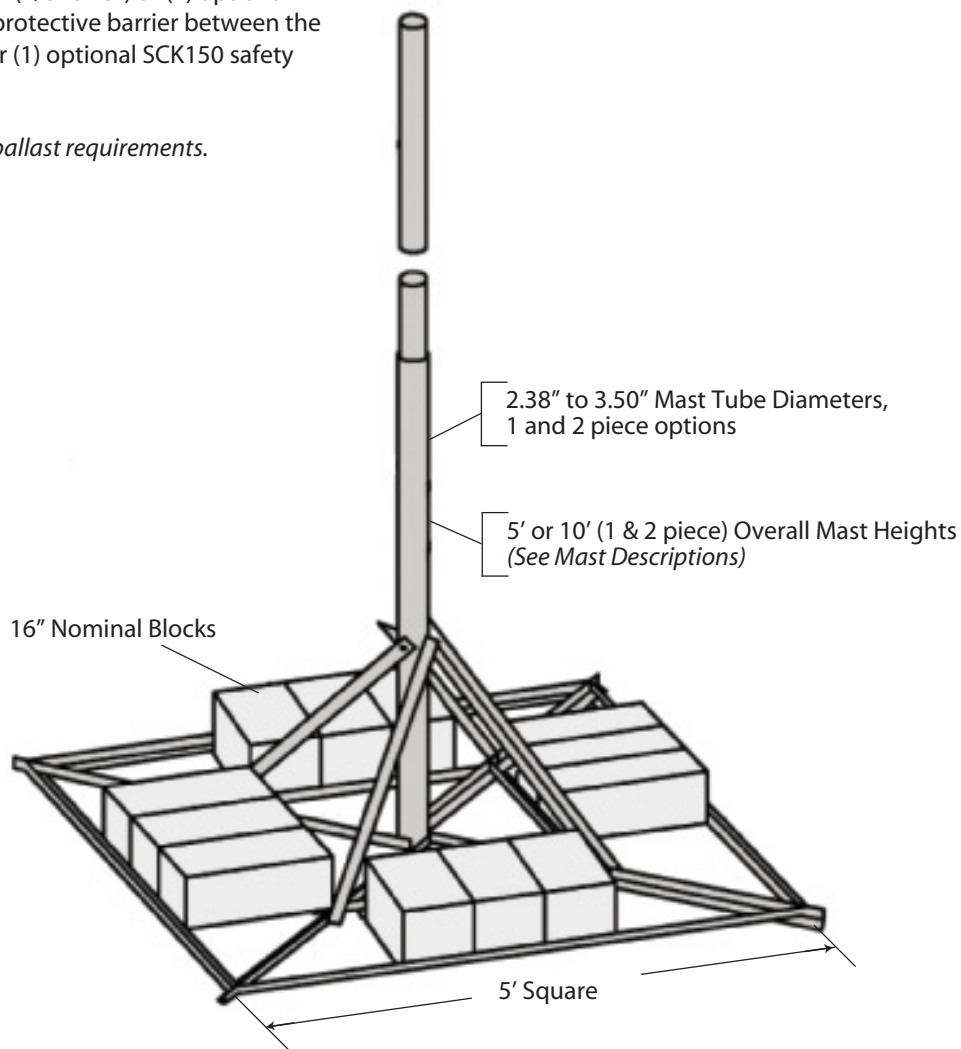


JRM NON-PENETRATING

The JRM ships broken down on one skid and weighs approximately 50 lbs. when assembled. The JRM is galvanized for corrosion protection. The JRM is used in cellular, PCS, broadband and other applications.

Order (1) optional JRMMAT (1/8" thick) or (1) optional JRMPAD (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 255-256 for ballast requirements.



MAST SPECIFICATIONS

| Mount Part No. | Mast Part No. | Mast Description & Height |
|----------------|-----------------|---|
| JRM23805 | FZ1755 | 2.38" O.D. x 0.154" wall x 5.0' (HDG) (1 piece) |
| JRM23855 | FZ1753 / FZ1754 | 2.38" O.D. x 0.154" wall x 10.0' (HDG) (2 pieces) |
| JRM23810 | FZ1756 | 2.38" O.D. x 0.154" wall x 10.0' (HDG) (1 piece) |
| JRM27505 | FZ1757 | 2.88" O.D. x 0.203" wall x 5.0' (HDG) (1 piece) |
| JRM27555 | FZ1758 / FZ1759 | 2.88" O.D. x 0.203" wall x 10.0' (HDG) (2 pieces) |
| JRM27510 | FZ1760 | 2.88" O.D. x 0.203" wall x 10.0' (HDG) (1 piece) |
| JRM35010 | FZ1761 | 3.50" O.D. x 0.216" wall x 10.0' (HDG) (1 piece) |

HDG = Hot-dip galvanized mast

JRM 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 |
| 4 | 250 | 10.0 | 110 | 129 | 105 | 91 | 82 | 75 | 69 | 65 | 61 |
| | 350 | 14.0 | 131 | 153 | 125 | 108 | 97 | 88 | 82 | 76 | 72 |
| | 450 | 18.0 | 148 | 173 | 141 | 122 | 110 | 100 | 93 | 87 | 82 |
| | 550 | 22.0 | 164 | 191 | 156 | 135 | 121 | 111 | 102 | 96 | 90 |
| | 650 | 26.0 | 178 | 208 | 170 | 147 | 132 | 120 | 111 | 104 | 98 |
| | 750 | 30.0 | 191 | 224 | 183 | 158 | 141 | 129 | 120 | 112 | 105 |
| | 850 | 34.0 | 204 | 238 | 194 | 168 | 151 | 137 | 127 | 119 | 112 |
| | 950 | 38.0 | 215 | 252 | 205 | 178 | 159 | 145 | 135 | 126 | 119 |
| | 1050 | 42.0 | 226 | 265 | 216 | 187 | 167 | 153 | 141 | 132 | 125 |
| | 1150 | 46.0 | 237 | 277 | 226 | 196 | 175 | 160 | 148 | 138 | 131 |
| | 1250 | 50.0 | 247 | 289 | 236 | 204 | 183 | 167 | 154 | 144 | 136 |
| 5 | 250 | 10.0 | 99 | 115 | 94 | 82 | 73 | 67 | 62 | 58 | 54 |
| | 350 | 14.0 | 117 | 137 | 112 | 97 | 86 | 79 | 73 | 68 | 64 |
| | 450 | 18.0 | 133 | 155 | 126 | 110 | 98 | 89 | 83 | 77 | 73 |
| | 550 | 22.0 | 147 | 171 | 140 | 121 | 108 | 99 | 92 | 86 | 81 |
| | 650 | 26.0 | 159 | 186 | 152 | 132 | 118 | 107 | 100 | 93 | 88 |
| | 750 | 30.0 | 171 | 200 | 163 | 141 | 126 | 115 | 107 | 100 | 94 |
| | 850 | 34.0 | 182 | 213 | 174 | 151 | 135 | 123 | 114 | 106 | 100 |
| | 950 | 38.0 | 193 | 225 | 184 | 159 | 142 | 130 | 120 | 113 | 106 |
| | 1050 | 42.0 | 203 | 237 | 193 | 167 | 150 | 137 | 126 | 118 | 112 |
| | 1150 | 46.0 | 212 | 248 | 202 | 175 | 157 | 143 | 132 | 124 | 117 |
| | 1250 | 50.0 | 221 | 258 | 211 | 183 | 163 | 149 | 138 | 129 | 122 |
| 6 | 250 | 10.0 | 90 | 105 | 86 | 75 | 67 | 61 | 56 | 53 | 50 |
| | 350 | 14.0 | 107 | 125 | 102 | 88 | 79 | 72 | 67 | 62 | 59 |
| | 450 | 18.0 | 121 | 141 | 115 | 100 | 89 | 82 | 76 | 71 | 67 |
| | 550 | 22.0 | 134 | 156 | 128 | 111 | 99 | 90 | 84 | 78 | 74 |
| | 650 | 26.0 | 145 | 170 | 139 | 120 | 107 | 98 | 91 | 85 | 80 |
| | 750 | 30.0 | 156 | 183 | 149 | 129 | 115 | 105 | 98 | 91 | 86 |
| | 850 | 34.0 | 166 | 194 | 159 | 137 | 123 | 112 | 104 | 97 | 92 |
| | 950 | 38.0 | 176 | 205 | 168 | 145 | 130 | 119 | 110 | 103 | 97 |
| | 1050 | 42.0 | 185 | 216 | 176 | 153 | 137 | 125 | 115 | 108 | 102 |
| | 1150 | 46.0 | 193 | 226 | 185 | 160 | 143 | 131 | 121 | 113 | 107 |
| | 1250 | 50.0 | 202 | 236 | 192 | 167 | 149 | 136 | 126 | 118 | 111 |
| 7 | 250 | 10.0 | 84 | 98 | 80 | 69 | 62 | 56 | 52 | 49 | 46 |
| | 350 | 14.0 | 99 | 115 | 94 | 82 | 73 | 67 | 62 | 58 | 54 |
| | 450 | 18.0 | 112 | 131 | 107 | 93 | 83 | 76 | 70 | 65 | 62 |
| | 550 | 22.0 | 124 | 145 | 118 | 102 | 92 | 84 | 77 | 72 | 68 |
| | 650 | 26.0 | 135 | 157 | 128 | 111 | 100 | 91 | 84 | 79 | 74 |
| | 750 | 30.0 | 145 | 169 | 138 | 120 | 107 | 98 | 90 | 85 | 80 |
| | 850 | 34.0 | 154 | 180 | 147 | 127 | 114 | 104 | 96 | 90 | 85 |
| | 950 | 38.0 | 163 | 190 | 155 | 135 | 120 | 110 | 102 | 95 | 90 |
| | 1050 | 42.0 | 171 | 200 | 163 | 141 | 126 | 115 | 107 | 100 | 94 |
| | 1150 | 46.0 | 179 | 209 | 171 | 148 | 132 | 121 | 112 | 105 | 99 |
| | 1250 | 50.0 | 187 | 218 | 178 | 154 | 138 | 126 | 117 | 109 | 103 |
| 8 | 250 | 10.0 | 78 | 91 | 75 | 65 | 58 | 53 | 49 | 46 | 43 |
| | 350 | 14.0 | 92 | 108 | 88 | 76 | 68 | 62 | 58 | 54 | 51 |
| | 450 | 18.0 | 105 | 122 | 100 | 87 | 77 | 71 | 65 | 61 | 58 |
| | 550 | 22.0 | 116 | 135 | 111 | 96 | 86 | 78 | 72 | 68 | 64 |
| | 650 | 26.0 | 126 | 147 | 120 | 104 | 93 | 85 | 79 | 74 | 69 |
| | 750 | 30.0 | 135 | 158 | 129 | 112 | 100 | 91 | 85 | 79 | 75 |
| | 850 | 34.0 | 144 | 168 | 137 | 119 | 106 | 97 | 90 | 84 | 79 |
| | 950 | 38.0 | 152 | 178 | 145 | 126 | 113 | 103 | 95 | 89 | 84 |
| | 1050 | 42.0 | 160 | 187 | 153 | 132 | 118 | 108 | 100 | 94 | 88 |
| | 1150 | 46.0 | 168 | 196 | 160 | 138 | 124 | 113 | 105 | 98 | 92 |
| | 1250 | 50.0 | 175 | 204 | 167 | 144 | 129 | 118 | 109 | 102 | 96 |
| 10 | 250 | 10.0 | 70 | 82 | 67 | 58 | 52 | 47 | 44 | 41 | 38 |
| | 350 | 14.0 | 83 | 97 | 79 | 68 | 61 | 56 | 52 | 48 | 46 |
| | 450 | 18.0 | 94 | 110 | 89 | 77 | 69 | 63 | 59 | 55 | 52 |
| | 550 | 22.0 | 104 | 121 | 99 | 86 | 77 | 70 | 65 | 61 | 57 |
| | 650 | 26.0 | 113 | 132 | 107 | 93 | 83 | 76 | 70 | 66 | 62 |
| | 750 | 30.0 | 121 | 141 | 115 | 100 | 89 | 82 | 76 | 71 | 67 |
| | 850 | 34.0 | 129 | 151 | 123 | 106 | 95 | 87 | 80 | 75 | 71 |
| | 950 | 38.0 | 136 | 159 | 130 | 113 | 101 | 92 | 85 | 80 | 75 |
| | 1050 | 42.0 | 143 | 167 | 137 | 118 | 106 | 97 | 89 | 84 | 79 |
| | 1150 | 46.0 | 150 | 175 | 143 | 124 | 111 | 101 | 94 | 88 | 83 |
| | 1250 | 50.0 | 156 | 183 | 149 | 129 | 115 | 105 | 98 | 91 | 86 |

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.



JRM 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 |
| 12 | 250 | 10.0 | 64 | 75 | 61 | 53 | 47 | 43 | 40 | 37 | 35 |
| | 350 | 14.0 | 75 | 88 | 72 | 62 | 56 | 51 | 47 | 44 | 42 |
| | 450 | 18.0 | 86 | 100 | 82 | 71 | 63 | 58 | 53 | 50 | 47 |
| | 550 | 22.0 | 95 | 111 | 90 | 78 | 70 | 64 | 59 | 55 | 52 |
| | 650 | 26.0 | 103 | 120 | 98 | 85 | 76 | 69 | 64 | 60 | 57 |
| | 750 | 30.0 | 110 | 129 | 105 | 91 | 82 | 75 | 69 | 65 | 61 |
| | 850 | 34.0 | 118 | 137 | 112 | 97 | 87 | 79 | 73 | 69 | 65 |
| | 950 | 38.0 | 124 | 145 | 119 | 103 | 92 | 84 | 78 | 73 | 68 |
| | 1050 | 42.0 | 131 | 153 | 125 | 108 | 97 | 88 | 82 | 76 | 72 |
| | 1150 | 46.0 | 137 | 160 | 131 | 113 | 101 | 92 | 85 | 80 | 75 |
| | 1250 | 50.0 | 143 | 167 | 136 | 118 | 105 | 96 | 89 | 83 | 79 |
| 14 | 250 | 10.0 | 59 | 69 | 56 | 49 | 44 | 40 | 37 | 35 | 33 |
| | 350 | 14.0 | 70 | 82 | 67 | 58 | 52 | 47 | 44 | 41 | 38 |
| | 450 | 18.0 | 79 | 93 | 76 | 65 | 59 | 53 | 49 | 46 | 44 |
| | 550 | 22.0 | 88 | 102 | 84 | 72 | 65 | 59 | 55 | 51 | 48 |
| | 650 | 26.0 | 95 | 111 | 91 | 79 | 70 | 64 | 59 | 56 | 52 |
| | 750 | 30.0 | 102 | 120 | 98 | 85 | 76 | 69 | 64 | 60 | 56 |
| | 850 | 34.0 | 109 | 127 | 104 | 90 | 80 | 73 | 68 | 64 | 60 |
| | 950 | 38.0 | 115 | 135 | 110 | 95 | 85 | 78 | 72 | 67 | 63 |
| | 1050 | 42.0 | 121 | 141 | 115 | 100 | 89 | 82 | 76 | 71 | 67 |
| | 1150 | 46.0 | 127 | 148 | 121 | 105 | 94 | 85 | 79 | 74 | 70 |
| | 1250 | 50.0 | 132 | 154 | 126 | 109 | 98 | 89 | 82 | 77 | 73 |
| 16 | 250 | 10.0 | 55 | 65 | 53 | 46 | 41 | 37 | 35 | 32 | 30 |
| | 350 | 14.0 | 65 | 76 | 62 | 54 | 48 | 44 | 41 | 38 | 36 |
| | 450 | 18.0 | 74 | 87 | 71 | 61 | 55 | 50 | 46 | 43 | 41 |
| | 550 | 22.0 | 82 | 96 | 78 | 68 | 61 | 55 | 51 | 48 | 45 |
| | 650 | 26.0 | 89 | 104 | 85 | 74 | 66 | 60 | 56 | 52 | 49 |
| | 750 | 30.0 | 96 | 112 | 91 | 79 | 71 | 65 | 60 | 56 | 53 |
| | 850 | 34.0 | 102 | 119 | 97 | 84 | 75 | 69 | 64 | 60 | 56 |
| | 950 | 38.0 | 108 | 126 | 103 | 89 | 80 | 73 | 67 | 63 | 59 |
| | 1050 | 42.0 | 113 | 132 | 108 | 94 | 84 | 76 | 71 | 66 | 62 |
| | 1150 | 46.0 | 118 | 138 | 113 | 98 | 88 | 80 | 74 | 69 | 65 |
| | 1250 | 50.0 | 124 | 144 | 118 | 102 | 91 | 83 | 77 | 72 | 68 |
| 18 | 250 | 10.0 | 52 | 61 | 50 | 43 | 38 | 35 | 33 | 30 | 29 |
| | 350 | 14.0 | 62 | 72 | 59 | 51 | 46 | 42 | 38 | 36 | 34 |
| | 450 | 18.0 | 70 | 82 | 67 | 58 | 52 | 47 | 44 | 41 | 38 |
| | 550 | 22.0 | 77 | 90 | 74 | 64 | 57 | 52 | 48 | 45 | 43 |
| | 650 | 26.0 | 84 | 98 | 80 | 69 | 62 | 57 | 52 | 49 | 46 |
| | 750 | 30.0 | 90 | 105 | 86 | 75 | 67 | 61 | 56 | 53 | 50 |
| | 850 | 34.0 | 96 | 112 | 92 | 79 | 71 | 65 | 60 | 56 | 53 |
| | 950 | 38.0 | 102 | 119 | 97 | 84 | 75 | 68 | 63 | 59 | 56 |
| | 1050 | 42.0 | 107 | 125 | 102 | 88 | 79 | 72 | 67 | 62 | 59 |
| | 1150 | 46.0 | 112 | 131 | 107 | 92 | 83 | 75 | 70 | 65 | 62 |
| | 1250 | 50.0 | 116 | 136 | 111 | 96 | 86 | 79 | 73 | 68 | 64 |
| 20 | 250 | 10.0 | 49 | 58 | 47 | 41 | 37 | 33 | 31 | 29 | 27 |
| | 350 | 14.0 | 58 | 68 | 56 | 48 | 43 | 39 | 37 | 34 | 32 |
| | 450 | 18.0 | 66 | 77 | 63 | 55 | 49 | 45 | 41 | 39 | 37 |
| | 550 | 22.0 | 73 | 86 | 70 | 61 | 54 | 49 | 46 | 43 | 40 |
| | 650 | 26.0 | 80 | 93 | 76 | 66 | 59 | 54 | 50 | 47 | 44 |
| | 750 | 30.0 | 86 | 100 | 82 | 71 | 63 | 58 | 53 | 50 | 47 |
| | 850 | 34.0 | 91 | 106 | 87 | 75 | 67 | 61 | 57 | 53 | 50 |
| | 950 | 38.0 | 96 | 113 | 92 | 80 | 71 | 65 | 60 | 56 | 53 |
| | 1050 | 42.0 | 101 | 118 | 97 | 84 | 75 | 68 | 63 | 59 | 56 |
| | 1150 | 46.0 | 106 | 124 | 101 | 88 | 78 | 71 | 66 | 62 | 58 |
| | 1250 | 50.0 | 110 | 129 | 105 | 91 | 82 | 75 | 69 | 65 | 61 |
| 22 | 250 | 10.0 | 47 | 55 | 45 | 39 | 35 | 32 | 29 | 28 | 26 |
| | 350 | 14.0 | 56 | 65 | 53 | 46 | 41 | 38 | 35 | 33 | 31 |
| | 450 | 18.0 | 63 | 74 | 60 | 52 | 47 | 43 | 39 | 37 | 35 |
| | 550 | 22.0 | 70 | 82 | 67 | 58 | 52 | 47 | 44 | 41 | 38 |
| | 650 | 26.0 | 76 | 89 | 72 | 63 | 56 | 51 | 47 | 44 | 42 |
| | 750 | 30.0 | 82 | 95 | 78 | 67 | 60 | 55 | 51 | 48 | 45 |
| | 850 | 34.0 | 87 | 102 | 83 | 72 | 64 | 59 | 54 | 51 | 48 |
| | 950 | 38.0 | 92 | 107 | 88 | 76 | 68 | 62 | 57 | 54 | 51 |
| | 1050 | 42.0 | 97 | 113 | 92 | 80 | 71 | 65 | 60 | 56 | 53 |
| | 1150 | 46.0 | 101 | 118 | 96 | 83 | 75 | 68 | 63 | 59 | 56 |
| | 1250 | 50.0 | 105 | 123 | 101 | 87 | 78 | 71 | 66 | 62 | 58 |

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.

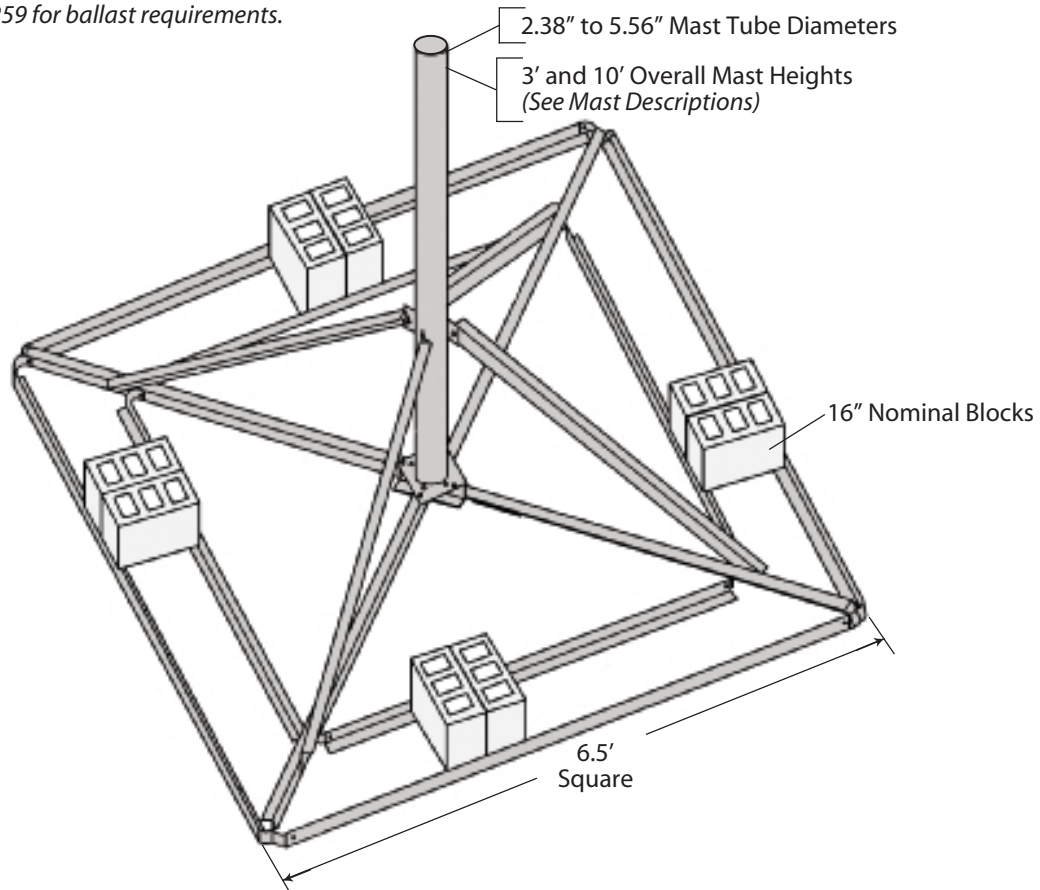
NOTE: Mast strength may govern antenna capacity.

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' |



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 |
| 4 | 2300 | 54.4 | 474 | 604 | 493 | 427 | 382 | 349 | 323 | 302 | 285 |
| | 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 |
| 6 | 2100 | 49.7 | 320 | 412 | 336 | 291 | 261 | 238 | 220 | 206 | 194 |
| | 2300 | 54.4 | 335 | 427 | 349 | 302 | 270 | 247 | 228 | 213 | 201 |
| | 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 |
| 8 | 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 |
| | 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 |
| 10 | 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 |
| | 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 |
| 12 | 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 |
| | 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 |

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.

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.



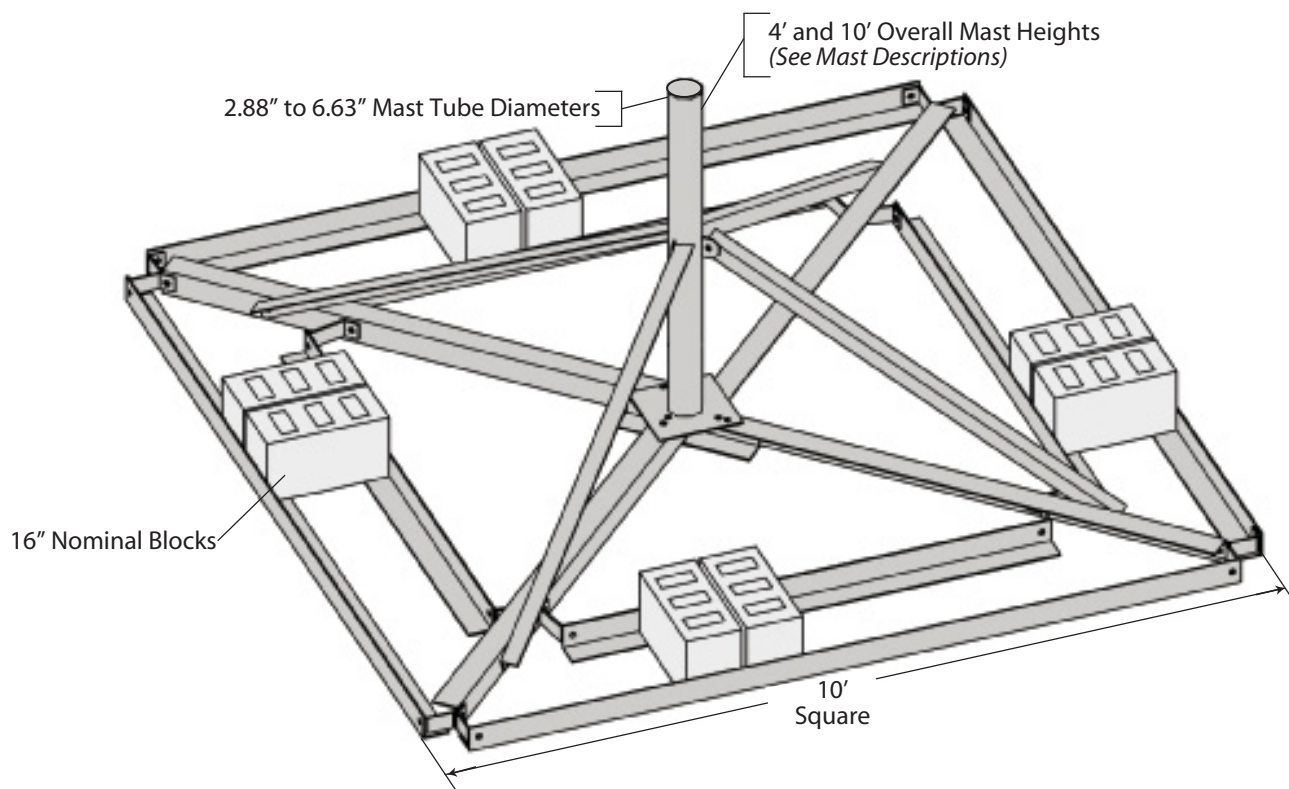
BRM6 NON-PENETRATING

The BRM6 mount is hot-dip galvanized after fabrication for corrosion protection.

Order (1) optional BRM6MAT (1/8" thick) or (1) optional BRM6PAD (3/8" thick) for a protective barrier between the mount and the roof. Order (1) optional SCK150 safety cable kit (3/16" x 150').

Optional additional inner ballast support angle kit available, order P/N BRM6ABK.

Refer to pages 261-263 for ballast requirements.



MAST SPECIFICATIONS

| Mount Part No. | Mast Part No. | Mast Description & Height |
|----------------|---------------|----------------------------------|
| BRM630M | KY2110 | 2.88" O.D. x 0.203" wall x 4.0' |
| BRM635M | KY1570 | 3.50" O.D. x 0.216" wall x 4.0' |
| BRM640M | KY1578 | 4.00" O.D. x 0.226" wall x 4.0' |
| BRM645M | KY1579 | 4.50" O.D. x 0.237" wall x 4.0' |
| BRM655M | KY1580 | 5.56" O.D. x 0.258" wall x 4.0' |
| BRM665M | KY1581 | 6.63" O.D. x 0.280" wall x 4.0' |
| BRM64510M | KY2043 | 4.50" O.D. x 0.237" wall x 10.0' |

BRM6

4 FT. DISH ELEVATION BALLAST REQUIREMENTS

| Dish Diameter | Ballast (LBS) | Zero Velocity Load (PSF) | Design Wind Velocities (MPH) | | | | | |
|---------------|---------------|--------------------------|------------------------------|-----|--------|-----|--------|-----|
| | | | EL=0° | | EL=20° | | EL=40° | |
| | | | Vmax | Vs | Vmax | Vs | Vmax | Vs |
| 4' (1.2 m) | 500 | 5.0 | 87 | 67 | 103 | 75 | 112 | 92 |
| | 750 | 7.5 | 107 | 82 | 131 | 92 | 142 | 113 |
| | 1000 | 10.0 | 125 | 95 | 154 | 107 | 167 | 131 |
| | 1250 | 12.5 | 139 | 106 | 169 | 119 | 189 | 146 |
| | 1500 | 15.0 | 148 | 117 | 180 | 131 | 203 | 160 |
| | 1750 | 17.5 | 157 | 126 | 190 | 141 | 211 | 173 |
| | 2000 | 20.0 | 165 | 135 | 196 | 151 | 211 | 185 |
| 6' (1.8 m) | 500 | 5.0 | 58 | 45 | 65 | 50 | 69 | 61 |
| | 750 | 7.5 | 71 | 55 | 83 | 61 | 89 | 75 |
| | 1000 | 10.0 | 83 | 63 | 99 | 71 | 106 | 87 |
| | 1250 | 12.5 | 93 | 71 | 112 | 79 | 120 | 97 |
| | 1500 | 15.0 | 99 | 78 | 120 | 87 | 129 | 107 |
| | 1750 | 17.5 | 105 | 84 | 127 | 94 | 137 | 115 |
| | 2000 | 20.0 | 110 | 90 | 130 | 101 | 141 | 123 |
| | 2250 | 22.5 | 115 | 95 | 130 | 107 | 141 | 131 |
| | 2500 | 25.0 | 120 | 100 | 130 | 113 | 141 | 138 |
| | 2750 | 27.5 | 125 | 105 | 130 | 118 | 141 | 141 |
| | 3000 | 30.0 | 127 | 110 | 130 | 123 | 141 | 141 |
| 8' (2.4 m) | 750 | 7.5 | 53 | 41 | 57 | 46 | 60 | 56 |
| | 1000 | 10.0 | 62 | 47 | 69 | 53 | 73 | 65 |
| | 1250 | 12.5 | 69 | 53 | 79 | 59 | 84 | 73 |
| | 1500 | 15.0 | 74 | 58 | 85 | 65 | 90 | 80 |
| | 1750 | 17.5 | 78 | 63 | 91 | 70 | 96 | 86 |
| | 2000 | 20.0 | 82 | 67 | 97 | 75 | 102 | 92 |
| | 2250 | 22.5 | 86 | 71 | 98 | 80 | 103 | 98 |
| | 2500 | 25.0 | 90 | 75 | 98 | 84 | 103 | 103 |
| | 2750 | 27.5 | 94 | 79 | 98 | 88 | 103 | 103 |
| | 3000 | 30.0 | 95 | 82 | 98 | 92 | 103 | 103 |

EL = Dish antenna azimuth angle with horizontal.

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.



BRM6 BALLAST REQUIREMENTS

| Effective Projected Area (EPA) (FT ²) | Ballast (LBS) | Zero Velocity Load (PSF) | Vs (MPH) | Vmax at centroid of projected area, (MPH) | | | | | | |
|---|---------------|--------------------------|----------|---|--------|--------|--------|--------|--------|---------|
| | | | | h=4 FT | h=5 FT | h=6 FT | h=7 FT | h=8 FT | h=9 FT | h=10 FT |
| 10 | 500 | 5.0 | 99 | 128 | 114 | 104 | 96 | 90 | 85 | 81 |
| | 750 | 7.5 | 121 | 156 | 140 | 128 | 118 | 110 | 104 | 99 |
| | 1000 | 10.0 | 140 | 180 | 161 | 147 | 136 | 128 | 120 | 114 |
| | 1250 | 12.5 | 156 | 202 | 180 | 165 | 152 | 143 | 134 | 128 |
| | 1500 | 15.0 | 171 | 218 | 195 | 178 | 165 | 154 | 145 | 138 |
| | 1750 | 17.5 | 185 | 230 | 206 | 188 | 174 | 163 | 154 | 146 |
| | 2000 | 20.0 | 198 | 242 | 217 | 198 | 183 | 171 | 162 | 153 |
| | 2250 | 22.5 | 210 | 254 | 227 | 207 | 192 | 179 | 169 | 160 |
| | 2500 | 25.0 | 221 | 265 | 237 | 216 | 200 | 187 | 176 | 167 |
| | 2750 | 27.5 | 232 | 275 | 246 | 225 | 208 | 195 | 183 | 174 |
| | 3000 | 30.0 | 242 | 280 | 250 | 228 | 211 | 198 | 186 | 177 |
| 15 | 500 | 5.0 | 81 | 104 | 93 | 85 | 79 | 74 | 69 | 66 |
| | 750 | 7.5 | 99 | 128 | 114 | 104 | 96 | 90 | 85 | 81 |
| | 1000 | 10.0 | 114 | 147 | 132 | 120 | 111 | 104 | 98 | 93 |
| | 1250 | 12.5 | 128 | 165 | 147 | 134 | 125 | 116 | 110 | 104 |
| | 1500 | 15.0 | 140 | 178 | 159 | 145 | 134 | 126 | 119 | 113 |
| | 1750 | 17.5 | 151 | 188 | 168 | 154 | 142 | 133 | 125 | 119 |
| | 2000 | 20.0 | 161 | 198 | 177 | 162 | 150 | 140 | 132 | 125 |
| | 2250 | 22.5 | 171 | 207 | 185 | 169 | 157 | 147 | 138 | 131 |
| | 2500 | 25.0 | 180 | 216 | 193 | 176 | 163 | 153 | 144 | 137 |
| | 2750 | 27.5 | 189 | 225 | 201 | 183 | 170 | 159 | 150 | 142 |
| | 3000 | 30.0 | 198 | 228 | 204 | 186 | 173 | 161 | 152 | 144 |
| 20 | 500 | 5.0 | 70 | 90 | 81 | 74 | 68 | 64 | 60 | 57 |
| | 750 | 7.5 | 86 | 110 | 99 | 90 | 84 | 78 | 74 | 70 |
| | 1000 | 10.0 | 99 | 128 | 114 | 104 | 96 | 90 | 85 | 81 |
| | 1250 | 12.5 | 110 | 143 | 128 | 116 | 108 | 101 | 95 | 90 |
| | 1500 | 15.0 | 121 | 154 | 138 | 126 | 116 | 109 | 103 | 97 |
| | 1750 | 17.5 | 131 | 163 | 146 | 133 | 123 | 115 | 109 | 103 |
| | 2000 | 20.0 | 140 | 171 | 153 | 140 | 130 | 121 | 114 | 108 |
| | 2250 | 22.5 | 148 | 179 | 160 | 147 | 136 | 127 | 120 | 113 |
| | 2500 | 25.0 | 156 | 187 | 167 | 153 | 141 | 132 | 125 | 118 |
| | 2750 | 27.5 | 164 | 195 | 174 | 159 | 147 | 138 | 130 | 123 |
| | 3000 | 30.0 | 171 | 198 | 177 | 161 | 149 | 140 | 132 | 125 |
| 25 | 500 | 5.0 | 63 | 81 | 72 | 66 | 61 | 57 | 54 | 51 |
| | 750 | 7.5 | 77 | 99 | 88 | 81 | 75 | 70 | 66 | 63 |
| | 1000 | 10.0 | 88 | 114 | 102 | 93 | 86 | 81 | 76 | 72 |
| | 1250 | 12.5 | 99 | 128 | 114 | 104 | 96 | 90 | 85 | 81 |
| | 1500 | 15.0 | 108 | 138 | 123 | 113 | 104 | 97 | 92 | 87 |
| | 1750 | 17.5 | 117 | 146 | 130 | 119 | 110 | 103 | 97 | 92 |
| | 2000 | 20.0 | 125 | 153 | 137 | 125 | 116 | 108 | 102 | 97 |
| | 2250 | 22.5 | 133 | 160 | 144 | 131 | 121 | 113 | 107 | 101 |
| | 2500 | 25.0 | 140 | 167 | 150 | 137 | 127 | 118 | 112 | 106 |
| | 2750 | 27.5 | 147 | 174 | 156 | 142 | 132 | 123 | 116 | 110 |
| | 3000 | 30.0 | 153 | 177 | 158 | 144 | 134 | 125 | 118 | 112 |
| 30 | 500 | 5.0 | 57 | 74 | 66 | 60 | 56 | 52 | 49 | 47 |
| | 750 | 7.5 | 70 | 90 | 81 | 74 | 68 | 64 | 60 | 57 |
| | 1000 | 10.0 | 81 | 104 | 93 | 85 | 79 | 74 | 69 | 66 |
| | 1250 | 12.5 | 90 | 116 | 104 | 95 | 88 | 82 | 78 | 74 |
| | 1500 | 15.0 | 99 | 126 | 113 | 103 | 95 | 89 | 84 | 80 |
| | 1750 | 17.5 | 107 | 133 | 119 | 109 | 101 | 94 | 89 | 84 |
| | 2000 | 20.0 | 114 | 140 | 125 | 114 | 106 | 99 | 93 | 89 |
| | 2250 | 22.5 | 121 | 147 | 131 | 120 | 111 | 104 | 98 | 93 |
| | 2500 | 25.0 | 128 | 153 | 137 | 125 | 115 | 108 | 102 | 97 |
| | 2750 | 27.5 | 134 | 159 | 142 | 130 | 120 | 112 | 106 | 100 |
| | 3000 | 30.0 | 140 | 161 | 144 | 132 | 122 | 114 | 108 | 102 |
| 35 | 500 | 5.0 | 53 | 68 | 61 | 56 | 52 | 48 | 45 | 43 |
| | 750 | 7.5 | 65 | 84 | 75 | 68 | 63 | 59 | 56 | 53 |
| | 1000 | 10.0 | 75 | 96 | 86 | 79 | 73 | 68 | 64 | 61 |
| | 1250 | 12.5 | 84 | 108 | 96 | 88 | 82 | 76 | 72 | 68 |
| | 1500 | 15.0 | 91 | 116 | 104 | 95 | 88 | 82 | 78 | 74 |
| | 1750 | 17.5 | 99 | 123 | 110 | 101 | 93 | 87 | 82 | 78 |
| | 2000 | 20.0 | 106 | 130 | 116 | 106 | 98 | 92 | 86 | 82 |
| | 2250 | 22.5 | 112 | 136 | 121 | 111 | 103 | 96 | 90 | 86 |
| | 2500 | 25.0 | 118 | 141 | 127 | 115 | 107 | 100 | 94 | 89 |
| | 2750 | 27.5 | 124 | 147 | 132 | 120 | 111 | 104 | 98 | 93 |
| | 3000 | 30.0 | 129 | 149 | 134 | 122 | 113 | 106 | 100 | 94 |

EL = Dish antenna angle with horizontal.

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.

BRM6 BALLAST REQUIREMENTS

| Effective Projected Area (EPA) (FT ²) | Ballast (LBS) | Zero Velocity Load (PSF) | Vs (MPH) | Vmax at centroid of projected area, (MPH) | | | | | | |
|---|---------------|--------------------------|----------|---|--------|--------|--------|--------|--------|---------|
| | | | | h=4 FT | h=5 FT | h=6 FT | h=7 FT | h=8 FT | h=9 FT | h=10 FT |
| 40 | 500 | 5.0 | 49 | 64 | 57 | 52 | 48 | 45 | 43 | 40 |
| | 750 | 7.5 | 61 | 78 | 70 | 64 | 59 | 55 | 52 | 49 |
| | 1000 | 10.0 | 70 | 90 | 81 | 74 | 68 | 64 | 60 | 57 |
| | 1250 | 12.5 | 78 | 101 | 90 | 82 | 76 | 71 | 67 | 64 |
| | 1500 | 15.0 | 86 | 109 | 97 | 89 | 82 | 77 | 73 | 69 |
| | 1750 | 17.5 | 92 | 115 | 103 | 94 | 87 | 81 | 77 | 73 |
| | 2000 | 20.0 | 99 | 121 | 108 | 99 | 92 | 86 | 81 | 77 |
| | 2250 | 22.5 | 105 | 127 | 113 | 104 | 96 | 90 | 85 | 80 |
| | 2500 | 25.0 | 110 | 132 | 118 | 108 | 100 | 94 | 88 | 84 |
| | 2750 | 27.5 | 116 | 138 | 123 | 112 | 104 | 97 | 92 | 87 |
| | 3000 | 30.0 | 121 | 140 | 125 | 114 | 106 | 99 | 93 | 88 |
| 45 | 500 | 5.0 | 47 | 60 | 54 | 49 | 45 | 43 | 40 | 38 |
| | 750 | 7.5 | 57 | 74 | 66 | 60 | 56 | 52 | 49 | 47 |
| | 1000 | 10.0 | 66 | 85 | 76 | 69 | 64 | 60 | 57 | 54 |
| | 1250 | 12.5 | 74 | 95 | 85 | 78 | 72 | 67 | 63 | 60 |
| | 1500 | 15.0 | 81 | 103 | 92 | 84 | 78 | 73 | 68 | 65 |
| | 1750 | 17.5 | 87 | 109 | 97 | 89 | 82 | 77 | 72 | 69 |
| | 2000 | 20.0 | 93 | 114 | 102 | 93 | 86 | 81 | 76 | 72 |
| | 2250 | 22.5 | 99 | 120 | 107 | 98 | 90 | 85 | 80 | 76 |
| | 2500 | 25.0 | 104 | 125 | 112 | 102 | 94 | 88 | 83 | 79 |
| | 2750 | 27.5 | 109 | 130 | 116 | 106 | 98 | 92 | 86 | 82 |
| | 3000 | 30.0 | 114 | 132 | 118 | 108 | 100 | 93 | 88 | 83 |
| 50 | 500 | 5.0 | 44 | 57 | 51 | 47 | 43 | 40 | 38 | 36 |
| | 750 | 7.5 | 54 | 70 | 63 | 57 | 53 | 49 | 47 | 44 |
| | 1000 | 10.0 | 63 | 81 | 72 | 66 | 61 | 57 | 54 | 51 |
| | 1250 | 12.5 | 70 | 90 | 81 | 74 | 68 | 64 | 60 | 57 |
| | 1500 | 15.0 | 77 | 97 | 87 | 80 | 74 | 69 | 65 | 62 |
| | 1750 | 17.5 | 83 | 103 | 92 | 84 | 78 | 73 | 69 | 65 |
| | 2000 | 20.0 | 88 | 108 | 97 | 89 | 82 | 77 | 72 | 69 |
| | 2250 | 22.5 | 94 | 113 | 101 | 93 | 86 | 80 | 76 | 72 |
| | 2500 | 25.0 | 99 | 118 | 106 | 97 | 89 | 84 | 79 | 75 |
| | 2750 | 27.5 | 104 | 123 | 110 | 100 | 93 | 87 | 82 | 78 |
| | 3000 | 30.0 | 108 | 125 | 112 | 102 | 94 | 88 | 83 | 79 |

EL = Dish antenna angle with horizontal.

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.

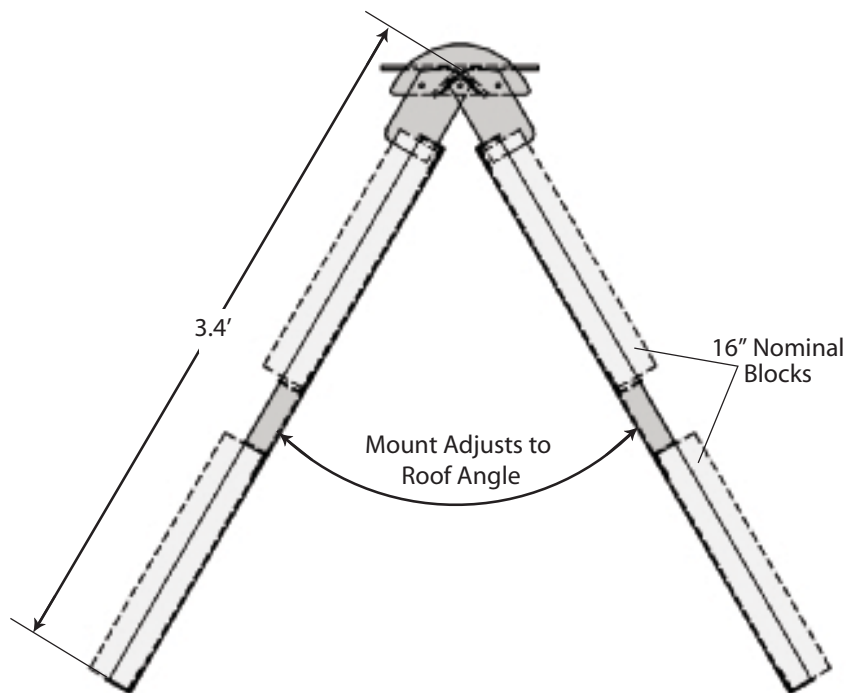
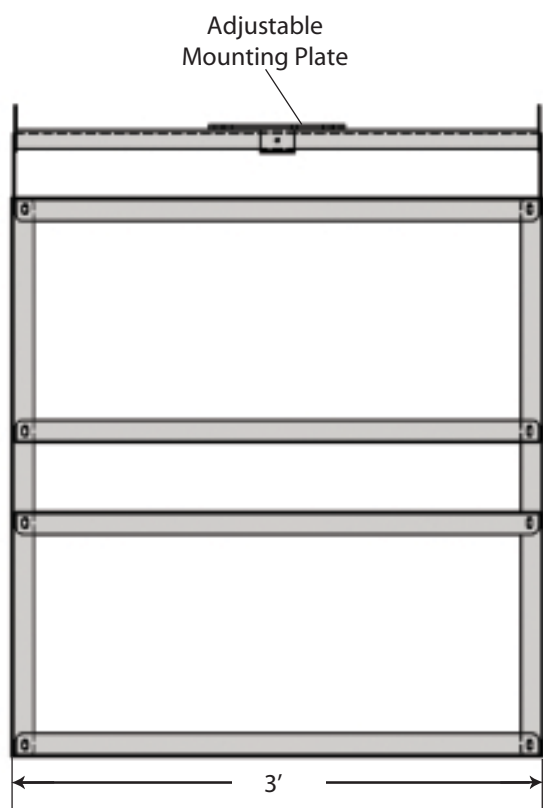
NOTE: Mast strength may govern antenna capacity.



NPPK NON-PENETRATING

The NPPK mount is a great solution for broadband antennas and satellite TV dishes. The adjustable mounting plate can be center mounted or to one side as needed to accommodate other satellite TV dish mounts. Our 1LG mount (located on page 276) with a base and 1-1/4" mounting tube can be attached to the NPPK. The mount comes standard with double ballast trays on each side to hold concrete blocks. The NPPK mount is hot-dip galvanized after fabrication for corrosion protection.

Order (2) optional FRMMAT (1/8" thick) or (2) optional FRMPAD (3/8" thick) for a protective barrier between the mount and the roof.
Order (1) optional SCK150 safety cable kit (3/16" x 150').

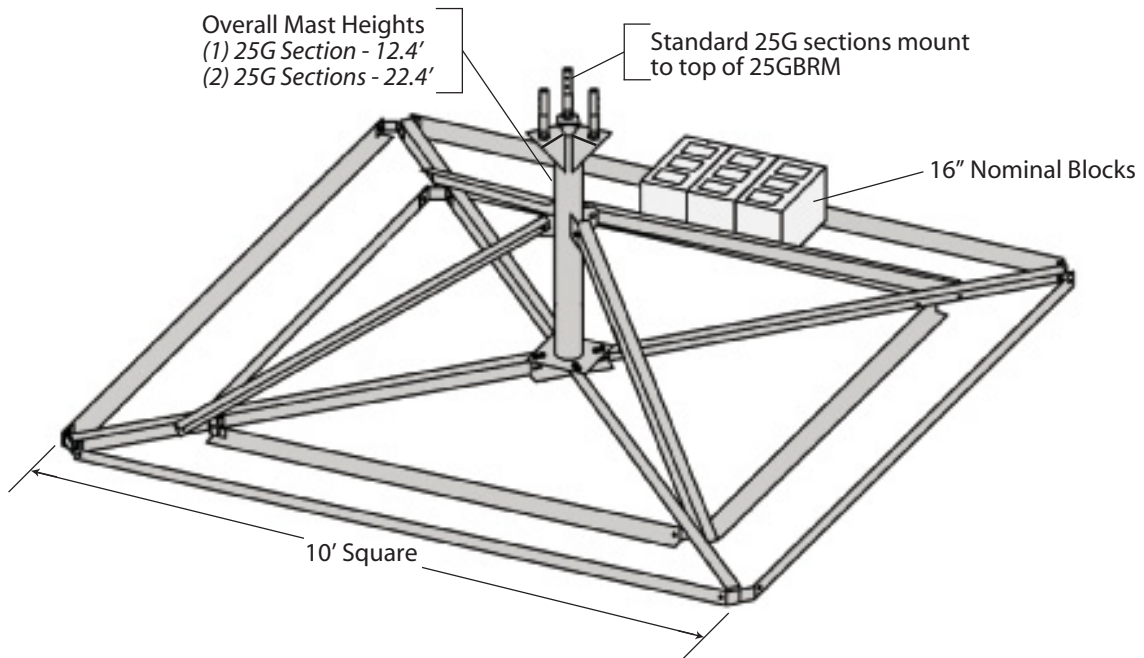


25GBRM NON-PENETRATING

The 25GBRM mount is designed to support one or two 25G tower sections in a self-supporting application. The 25GBRM mount is galvanized after fabrication for corrosion protection.

Order (1) optional BRM6MAT (1/8" thick) or (1) optional BRM6PAD (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 page 266 for ballast requirements.





25GBRM BALLAST REQUIREMENTS

| Effective Projected Area (EPA) (FT ²) | Ballast (LBS) | Zero Velocity Load (PSF) | Vs One Section (MPH) h=12.4 FT | Vs Two Sections (MPH) h=22.4 FT | Vmax at centroid of projected area, (MPH) | |
|--|------------------|-----------------------------------|--|---|--|-------------------------|
| | | | | | 1 Section h=12.4 FT | 2 Sections h=22.4 FT |
| 2 | 500 | 5.0 | 131 | 96 | 111 | 65 |
| | 750 | 7.5 | 160 | 117 | 136 | 80 |
| | 1000 | 10.0 | 185 | 135 | 157 | 92 |
| | 1250 | 12.5 | 207 | 151 | 176 | 103 |
| | 1500 | 15.0 | 227 | 165 | 190 | 111 |
| | 1750 | 17.5 | 245 | 179 | 201 | 118 |
| | 2000 | 20.0 | 250 | 191 | 211 | 124 |
| | 2250 | 22.5 | 250 | 203 | 221 | 130 |
| | 2500 | 25.0 | 250 | 214 | 231 | 135 |
| | 2750 | 27.5 | 250 | 224 | 240 | 140 |
| | 3000 | 30.0 | 250 | 234 | 244 | 143 |
| 4 | 500 | 5.0 | 113 | 88 | 92 | 57 |
| | 750 | 7.5 | 138 | 107 | 112 | 70 |
| | 1000 | 10.0 | 159 | 124 | 130 | 81 |
| | 1250 | 12.5 | 178 | 139 | 145 | 91 |
| | 1500 | 15.0 | 195 | 152 | 157 | 98 |
| | 1750 | 17.5 | 211 | 164 | 166 | 104 |
| | 2000 | 20.0 | 225 | 175 | 174 | 109 |
| | 2250 | 22.5 | 239 | 186 | 182 | 114 |
| | 2500 | 25.0 | 250 | 196 | 190 | 119 |
| | 2750 | 27.5 | 250 | 206 | 198 | 124 |
| | 3000 | 30.0 | 250 | 215 | 201 | 126 |
| 6 | 500 | 5.0 | 100 | 82 | 80 | 52 |
| | 750 | 7.5 | 123 | 100 | 98 | 63 |
| | 1000 | 10.0 | 142 | 115 | 113 | 73 |
| | 1250 | 12.5 | 159 | 129 | 126 | 82 |
| | 1500 | 15.0 | 174 | 141 | 136 | 88 |
| | 1750 | 17.5 | 188 | 152 | 144 | 94 |
| | 2000 | 20.0 | 201 | 163 | 152 | 98 |
| | 2250 | 22.5 | 213 | 173 | 159 | 103 |
| | 2500 | 25.0 | 224 | 182 | 166 | 107 |
| | 2750 | 27.5 | 235 | 191 | 172 | 112 |
| | 3000 | 30.0 | 246 | 200 | 175 | 113 |
| 8 | 500 | 5.0 | 91 | 76 | 72 | 48 |
| | 750 | 7.5 | 112 | 94 | 88 | 58 |
| | 1000 | 10.0 | 129 | 108 | 101 | 67 |
| | 1250 | 12.5 | 144 | 121 | 113 | 75 |
| | 1500 | 15.0 | 158 | 132 | 122 | 81 |
| | 1750 | 17.5 | 171 | 143 | 129 | 86 |
| | 2000 | 20.0 | 183 | 153 | 136 | 90 |
| | 2250 | 22.5 | 194 | 162 | 142 | 95 |
| | 2500 | 25.0 | 204 | 171 | 149 | 99 |
| | 2750 | 27.5 | 214 | 179 | 154 | 103 |
| | 3000 | 30.0 | 224 | 187 | 157 | 104 |
| 10 | 500 | 5.0 | 84 | 72 | 66 | 44 |
| | 750 | 7.5 | 103 | 89 | 80 | 54 |
| | 1000 | 10.0 | 119 | 102 | 93 | 63 |
| | 1250 | 12.5 | 133 | 114 | 104 | 70 |
| | 1500 | 15.0 | 146 | 125 | 112 | 76 |
| | 1750 | 17.5 | 158 | 135 | 118 | 80 |
| | 2000 | 20.0 | 169 | 145 | 124 | 84 |
| | 2250 | 22.5 | 179 | 153 | 130 | 88 |
| | 2500 | 25.0 | 189 | 162 | 136 | 92 |
| | 2750 | 27.5 | 198 | 169 | 141 | 95 |
| | 3000 | 30.0 | 207 | 177 | 144 | 97 |
| 12 | 500 | 5.0 | 79 | 69 | 61 | 42 |
| | 750 | 7.5 | 97 | 84 | 74 | 51 |
| | 1000 | 10.0 | 112 | 97 | 86 | 59 |
| | 1250 | 12.5 | 125 | 109 | 96 | 66 |
| | 1500 | 15.0 | 137 | 119 | 104 | 71 |
| | 1750 | 17.5 | 148 | 128 | 110 | 75 |
| | 2000 | 20.0 | 158 | 137 | 115 | 79 |
| | 2250 | 22.5 | 167 | 146 | 121 | 83 |
| | 2500 | 25.0 | 176 | 154 | 126 | 86 |
| | 2750 | 27.5 | 185 | 161 | 131 | 90 |
| | 3000 | 30.0 | 193 | 168 | 133 | 91 |

| Effective Projected Area (EPA) (FT ²) | Ballast (LBS) | Zero Velocity Load (PSF) | Vs One Section (MPH) | Vs Two Sections (MPH) | Vmax at centroid of projected area, (MPH) | |
|--|------------------|-----------------------------------|-------------------------------|--------------------------------|--|-------------------------|
| | | | h=12.4 FT | h=22.4 FT | 1 Section h=12.4 FT | 2 Sections h=22.4 FT |
| 14 | 500 | 5.0 | 74 | 66 | 57 | 39 |
| | 750 | 7.5 | 91 | 80 | 70 | 48 |
| | 1000 | 10.0 | 105 | 93 | 80 | 56 |
| | 1250 | 12.5 | 117 | 104 | 90 | 62 |
| | 1500 | 15.0 | 129 | 114 | 97 | 67 |
| | 1750 | 17.5 | 139 | 123 | 103 | 71 |
| | 2000 | 20.0 | 149 | 131 | 108 | 75 |
| | 2250 | 22.5 | 158 | 139 | 113 | 78 |
| | 2500 | 25.0 | 166 | 147 | 118 | 81 |
| | 2750 | 27.5 | 174 | 154 | 123 | 85 |
| 3000 | 30.0 | 182 | 161 | 125 | 86 | |
| 16 | 500 | 5.0 | 70 | 63 | 54 | 37 |
| | 750 | 7.5 | 86 | 77 | 66 | 46 |
| | 1000 | 10.0 | 100 | 89 | 76 | 53 |
| | 1250 | 12.5 | 111 | 99 | 85 | 59 |
| | 1500 | 15.0 | 122 | 109 | 92 | 64 |
| | 1750 | 17.5 | 132 | 118 | 97 | 67 |
| | 2000 | 20.0 | 141 | 126 | 102 | 71 |
| | 2250 | 22.5 | 149 | 133 | 107 | 74 |
| | 2500 | 25.0 | 157 | 141 | 111 | 77 |
| | 2750 | 27.5 | 165 | 147 | 116 | 80 |
| 3000 | 30.0 | 172 | 154 | 118 | 82 | |
| 18 | 500 | 5.0 | 67 | 60 | 51 | 36 |
| | 750 | 7.5 | 82 | 74 | 62 | 44 |
| | 1000 | 10.0 | 95 | 86 | 72 | 50 |
| | 1250 | 12.5 | 106 | 96 | 81 | 56 |
| | 1500 | 15.0 | 116 | 105 | 87 | 61 |
| | 1750 | 17.5 | 126 | 113 | 92 | 64 |
| | 2000 | 20.0 | 134 | 121 | 97 | 68 |
| | 2250 | 22.5 | 142 | 128 | 101 | 71 |
| | 2500 | 25.0 | 150 | 135 | 106 | 74 |
| | 2750 | 27.5 | 157 | 142 | 110 | 77 |
| 3000 | 30.0 | 164 | 148 | 112 | 78 | |

h = Distance from support surface to centroid of EPA.

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

Vmax = Effective wind velocity based on strength or overturning.

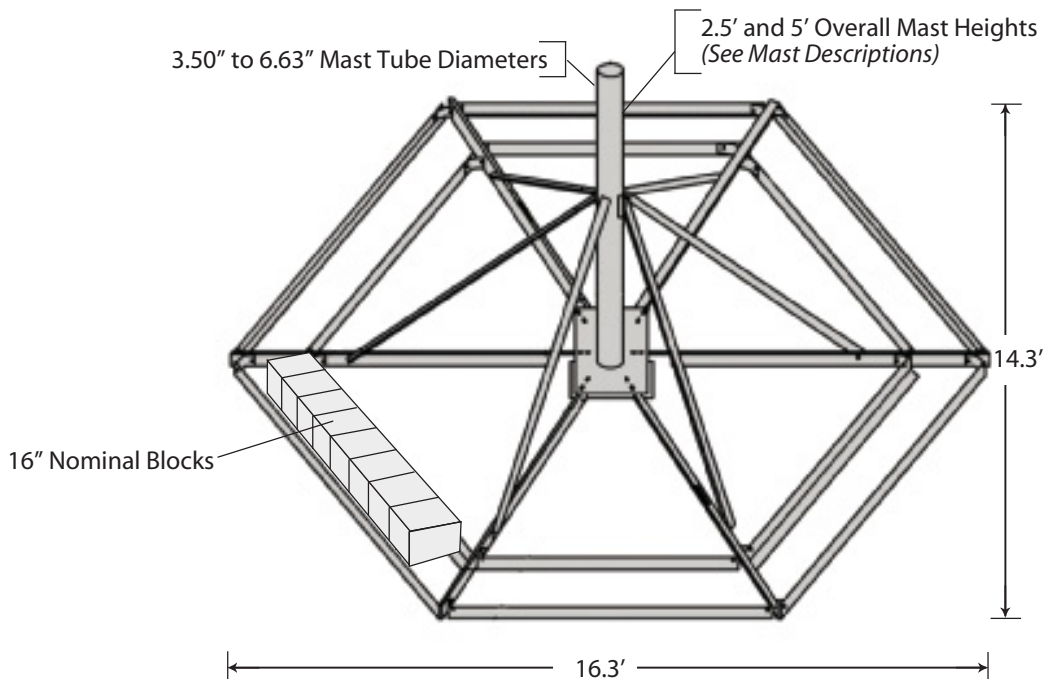
AAGM NON-PENETRATING

The AAGM mount is capable of supporting dishes with diameters up to 10 feet. The AAGM mount is hot-dip galvanized after fabrication for corrosion protection.

Order (1) optional AGMPAD (3/8" thick) for a protective barrier between the mount and the roof.

Order (1) optional SCK150 safety cable kit (3/8" x 150').

Refer to page 268 for ballast requirements.



MAST SPECIFICATIONS

| Mount Part No. | Mast Part No. | Mast Description & Height |
|----------------|---------------|---------------------------------|
| AAGM35 | FYS75X | 3.50" O.D. x 0.216" wall x 4.5' |
| AAGM40 | FYS76X | 4.00" O.D. x 0.226" wall x 4.5' |
| AAGM45 | FYS77X | 4.50" O.D. x 0.237" wall x 4.5' |
| AAGM55 | FYS78X | 5.56" O.D. x 0.258" wall x 4.5' |
| AAGM6560 | FYS96X | 6.63" O.D. x 0.280" wall x 5.0' |



AAGM

4.5 FT DISH ELEVATION BALLAST REQUIREMENTS

| Dish Diameter | Ballast (LBS) | Zero Velocity Load (PSF) | Vmax (MPH) | Vs (MPH) | | |
|----------------|---------------|--------------------------|------------|----------|--------|--------|
| | | | | EL=0° | EL=20° | EL=40° |
| 4' (1.2 m) | 1000 | 6.0 | 135 | 91 | 93 | 101 |
| | 1500 | 9.0 | 164 | 111 | 114 | 123 |
| | 2000 | 12.0 | 187 | 128 | 132 | 142 |
| | 2500 | 15.1 | 207 | 143 | 147 | 159 |
| | 3000 | 18.1 | 225 | 157 | 161 | 174 |
| | 3500 | 21.1 | 240 | 170 | 174 | 188 |
| | 4000 | 24.1 | 250 | 181 | 186 | 201 |
| | 5000 | 30.1 | 250 | 203 | 208 | 225 |
| | 6000 | 36.1 | 250 | 222 | 228 | 246 |
| 6' (1.8 m) | 1000 | 6.0 | 90 | 60 | 62 | 67 |
| | 1500 | 9.0 | 109 | 74 | 76 | 82 |
| | 2000 | 12.0 | 125 | 85 | 88 | 95 |
| | 2500 | 15.1 | 138 | 96 | 98 | 106 |
| | 3000 | 18.1 | 150 | 105 | 108 | 116 |
| | 3500 | 21.1 | 160 | 113 | 116 | 125 |
| | 4000 | 24.1 | 165 | 121 | 124 | 134 |
| | 5000 | 30.1 | 165 | 135 | 139 | 150 |
| | 6000 | 36.1 | 165 | 148 | 152 | 164 |
| 8' (2.4 m) | 1000 | 6.0 | 68 | 45 | 47 | 50 |
| | 1500 | 9.0 | 82 | 56 | 57 | 62 |
| | 2000 | 12.0 | 94 | 64 | 66 | 71 |
| | 2500 | 15.1 | 104 | 72 | 74 | 79 |
| | 3000 | 18.1 | 112 | 79 | 81 | 87 |
| | 3500 | 21.1 | 120 | 85 | 87 | 94 |
| | 4000 | 24.1 | 125 | 91 | 93 | 101 |
| | 5000 | 30.1 | 125 | 101 | 104 | 112 |
| | 6000 | 36.1 | 125 | 111 | 114 | 123 |
| 10' (3.0 m) | 1000 | 6.0 | 46 | 31 | 33 | 40 |
| | 1500 | 9.0 | 56 | 38 | 40 | 49 |
| | 2000 | 12.0 | 64 | 44 | 46 | 57 |
| | 2500 | 15.1 | 71 | 49 | 52 | 64 |
| | 3000 | 18.1 | 77 | 54 | 57 | 70 |
| | 3500 | 21.1 | 82 | 58 | 61 | 75 |
| | 4000 | 24.1 | 85 | 62 | 65 | 80 |
| | 5000 | 30.1 | 85 | 69 | 73 | 85 |
| | 6000 | 36.1 | 85 | 76 | 80 | 85 |

EL = Dish antenna azimuth angle with horizontal.

Vmax = Effective wind velocity based on strength or overturning.

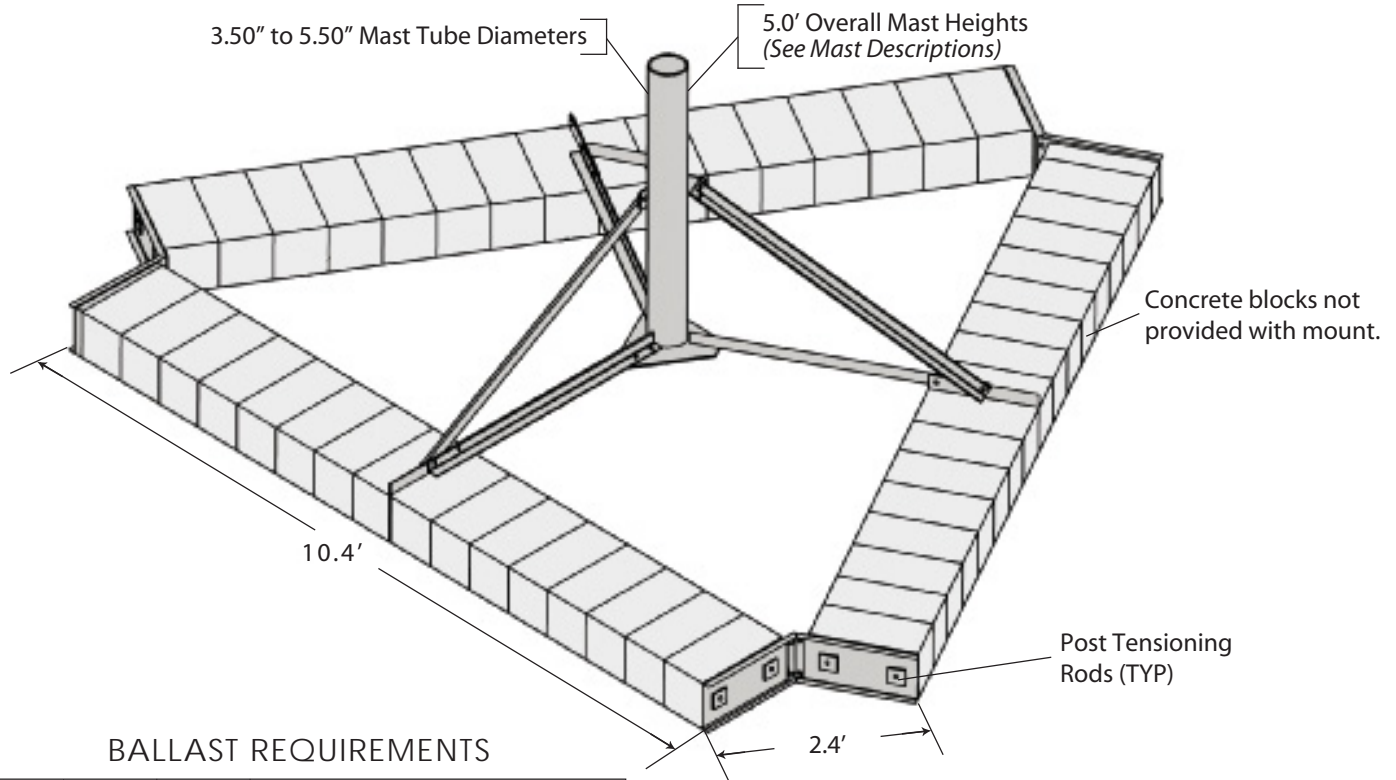
Vs = Effective wind velocity resulting in sliding on a flat surface with a .50 coefficient of friction.

NOTE: Mast strength may govern antenna capacity.

PRM6 NON-PENETRATING

The PRM6 mount is capable of supporting dishes with diameters up to 6 feet. The mount is hot-dip galvanized after fabrication for corrosion protection. The PRM6 mount is also UPS shippable.

Order (1) optional PRM6MAT (1/8" thick) or (1) optional PRM6PAD (3/8" thick) for a protective barrier between the mount and the roof.
Order (1) optional SCK150 safety cable kit (3/16" x 150').



BALLAST REQUIREMENTS

| Dish Diameter | Ballast (LBS) | Zero Velocity Load (PSF) | Design Wind Velocities (MPH) | | | | | |
|---------------|---------------|--------------------------|------------------------------|-----|--------|-----|--------|-----|
| | | | EL=0° | | EL=20° | | EL=40° | |
| | | | Vmax | Vs | Vmax | Vs | Vmax | Vs |
| 4' (1.2 m) | 1600 | 17.2 | 145 | 122 | 180 | 137 | 198 | 168 |
| | 1800 | 19.4 | 154 | 130 | 184 | 146 | 198 | 179 |
| | 2000 | 21.5 | 162 | 137 | 187 | 154 | 198 | 188 |
| | 2200 | 23.7 | 168 | 144 | 189 | 161 | 198 | 197 |
| | 2400 | 25.8 | 171 | 150 | 189 | 168 | 198 | 198 |
| 6' (1.8 m) | 1600 | 17.2 | 97 | 81 | 117 | 91 | 126 | 112 |
| | 1800 | 19.4 | 102 | 86 | 123 | 97 | 132 | 119 |
| | 2000 | 21.5 | 108 | 91 | 125 | 102 | 132 | 125 |
| | 2200 | 23.7 | 112 | 96 | 126 | 107 | 132 | 131 |
| | 2400 | 25.8 | 114 | 100 | 126 | 112 | 132 | 132 |
| | 2600 | 28.0 | 116 | 104 | 126 | 117 | 132 | 132 |
| | 2800 | 30.1 | 118 | 108 | 126 | 121 | 132 | 132 |
| | 3000 | 32.3 | 120 | 112 | 126 | 125 | 132 | 132 |
| | 3200 | 34.4 | 122 | 115 | 126 | 126 | 132 | 132 |
| | 3400 | 36.6 | 124 | 119 | 126 | 126 | 132 | 132 |
| | 3600 | 38.7 | 125 | 122 | 126 | 126 | 132 | 132 |
| | 3800 | 40.9 | 125 | 125 | 126 | 126 | 132 | 132 |

MAST SPECIFICATIONS

| Mount Part No. | Mast Part No. | Mast Description |
|----------------|---------------|--------------------------|
| PRM635 | KY1672 | 3.50" O.D. x 0.216" wall |
| PRM640 | KY1673 | 4.00" O.D. x 0.226" wall |
| PRM645 | KY1674 | 4.50" O.D. x 0.237" wall |
| PRM655 | KY1675 | 5.50" O.D. x 0.258" wall |

EL = Dish antenna azimuth angle with horizontal.

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.



BALLAST REQUIREMENTS FOR ROOF MOUNTS

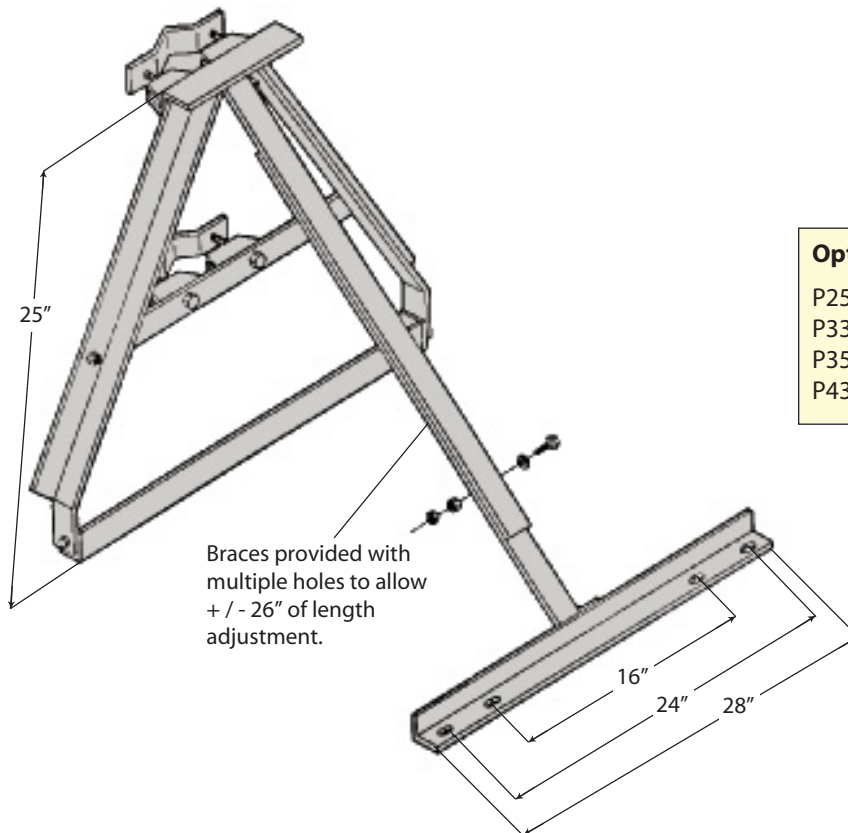
1. Ballast requirements are provided to assist consumers in determining the applicability of a non-penetrating roof mount for an antenna installation and to assist in determining the amount of ballast required. The ballast requirements should not be relied upon without competent local professional examination and verification of its accuracy and suitability for a specific site or application.
2. Specific antennas and/or other mounting configurations may require more stringent strength and ballast requirements and must be investigated for each installation. The load carrying requirements of the supporting surface, the mount and mast, the antenna and the antenna's connection to the mast must be investigated for each installation.
3. When antenna areas are indicated vs. specific antenna types, the areas tabulated are effective projected areas that include appropriate wind drag factors applied to the projected areas of the supported antennas and the exposed portions of the mount and ballast. The center of the effective projected area is assumed to be at the top of the mounting pipe or the height indicated in the ballast table. Unless otherwise indicated, tabulated ballast requirements assume that the effective projected areas are concentric to the mount and that uplift or download wind forces are insignificant.
4. The tabulated wind velocities are considered to occur at the centroid of the effective projected areas. The wind velocity appropriate for an installation must be determined on an individual site basis considering the location and elevation of the mount. The wind velocity at ground level must be multiplied by appropriate height escalation and gust factors. Potential increases in wind velocity due to channeling, roof projections, and other obstructions, must also be considered when determining ballast requirements.
5. The ballast weights indicated are assumed to be uniformly distributed on the mount. The weight of the mount and antenna may be considered as ballast. Mounts are assumed to be mounted on a flat supporting surface.
6. The zero velocity loads shown are equal to the tabulated ballast weights divided by the total area enclosed by the perimeter of the mount. This area is greater than the ballast contact area. Loads which must be investigated include reactions caused by wind forces and moments, live loads, ice loads, earthquake loads and the dead loads of ballast, mount, antenna, mounting hardware, miscellaneous equipment and roof pads.
7. The tabulated maximum wind velocities (V_{max}) are based on a minimum 1.5 factor of safety against structural failure and overturning.
8. The tabulated wind velocities resulting in sliding (V_s) are based on a factor of safety equal to 1.0 and an effective coefficient of friction equal to 0.50 between the mount and a flat supporting surface. A 1.0 factor of safety was used assuming that at higher wind velocities, safety cables or other suitable attachments to the support structure would prevent sliding beyond a safe, designated area.
9. The appropriate coefficient of friction and factor of safety to determine wind velocities resulting in sliding must be determined on an individual site basis. The coefficient of friction may vary under changing moisture and temperature conditions. The minimum coefficient of friction must be used to evaluate sliding resistance. Wind speeds resulting in sliding for other factors of safety or for other coefficients of friction may be found by multiplying the tabulated values of V_s by the following modification factor:

$$\text{Modification Factor} = [\mu / (.5 \times FS)]^{1/2}$$

μ = Coefficient of Friction
 FS = Factor of Safety
10. The values of V_s indicated do not apply for installations which are prevented from sliding by cables or other suitable attachments to the supporting structure.
11. Roof pads are recommended to prevent damage to roof membranes. Pads should be placed under all contact areas.
12. ROHN recommends that ballast material always be placed prior to mounting the antenna and that roof pads and mount be secured to prevent hazards from occurring under extreme wind loading conditions. Precautions should also be taken to prevent the inadvertent removal of ballast material after installation and to insure that all ballast material is fully supported by the mount (required for ballast to be effective in resisting overturning and sliding).
13. When adhesives are used to secure roof pads, the adhesive must be compatible with the supporting surface. Precautions should be taken to insure that damage to the supporting surface will not occur upon wind loading.
14. The installation, roof material and supporting structure must be capable of withstanding all loads imposed by the antenna system. Supporting surfaces, anchors and/or safety cables must be sufficient to resist the reactions from the antenna system. The installation must meet all applicable local, state and federal requirements.

URM

ROHN's Universal Roof Mount (URM) is capable of supporting most PCS, Cellular, and Microwave antennas. The URM adapts to various roof pitches and the fully adjustable rear-leg allows for use on a flat or up to a 12"/12" pitched roof. Installation is easy because of the quick adaptability, plus there's no need for concrete blocks. The URM is hot-dip galvanized after fabrication for corrosion protection, and can easily ship UPS.



Optional Masts - Ordered Separately

| | |
|-------|-------------------------------------|
| P2530 | 2.88" O.D. x 0.203" wall x 30" Long |
| P330 | 3.50" O.D. x 0.216" wall x 30" Long |
| P3530 | 4.00" O.D. x 0.226" wall x 30" Long |
| P430 | 4.50" O.D. x 0.237" wall x 30" Long |

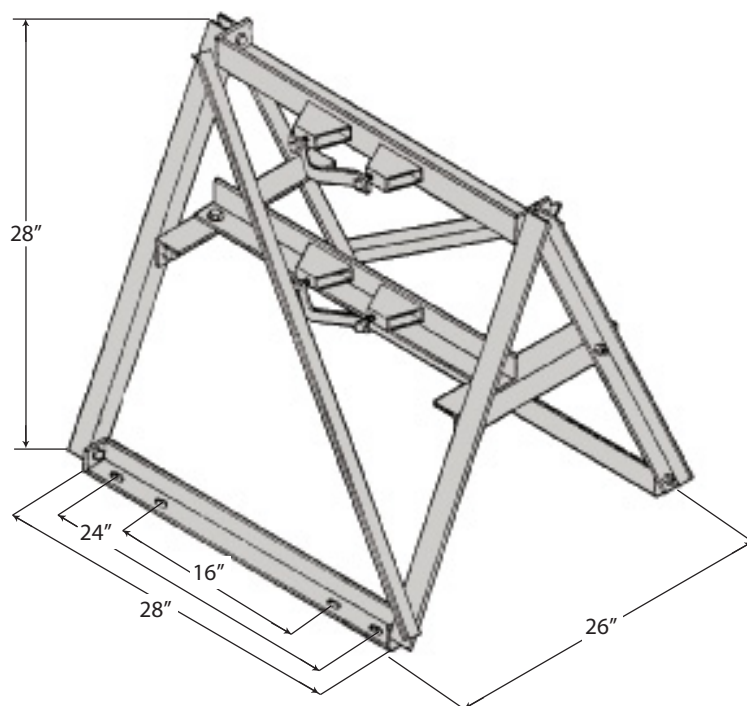
Features:

1. URM mount can be used on a flat roof, sloped roof or over a roof peak.
2. URM mount can be used with 2.88" to 4.50" O.D. masts (order separately).
3. Bottom of mount pivots to match roof pitch.
4. Rear leg adjusts for extra length.
5. Mount base angles are pre-drilled to accept 1/2" diameter connectors.



SHRM

ROHN's Saw Horse Roof Mount (SHRM) is capable of supporting most PCS, Cellular, and Microwave antennas. The SHRM allows for placement of antennas on flat roofs or roof peaks with up to a 12"/12" pitch. The SHRM is also able to be installed on flat roofs. Installation is easy because of the quick adaptability, plus there's no need for concrete blocks. The SHRM is hot-dip galvanized after fabrication for corrosion protection, and can easily ship UPS.



Optional Masts - Ordered Separately

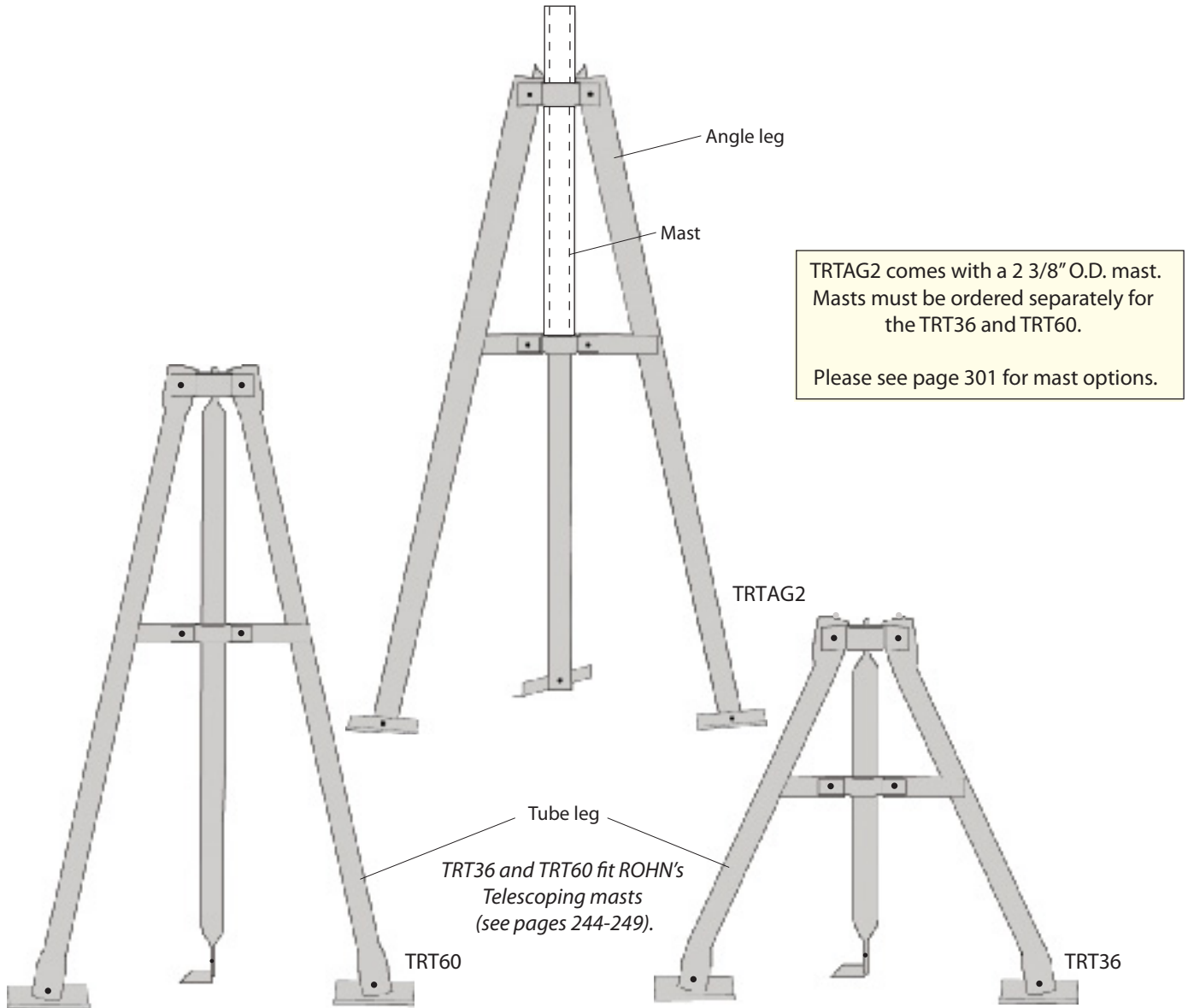
| | |
|-------|-------------------------------------|
| P2530 | 2.88" O.D. x 0.203" wall x 30" Long |
| P330 | 3.50" O.D. x 0.216" wall x 30" Long |
| P3530 | 4.00" O.D. x 0.226" wall x 30" Long |
| P430 | 4.50" O.D. x 0.237" wall x 30" Long |

Features:

1. SHRM mount can be used on a flat roof or on a roof peak, up to 45 degrees maximum pitch.
2. SHRM mount can be used with 2.88" to 5.00" O.D. masts (ordered separately).
3. Bottom of mount pivots to match roof pitch.
4. Mount base angles are pre-drilled to accept 1/2" diameter connectors.

TRT36 / TRT60 / TRTAG2

The TRT is a Tripod Roof Tower, which comes fully assembled and snaps out into position for quick installation using up to 1/4" dia. connectors. The TRTAG2 mount comes with a 2 3/8" O.D. hot-dip galvanized mast, the TRT36 and TRT60 mounts accept masts up to 1 3/4" O.D. (ordered separately). The bolt-on swivel feet adjust to most any pitch roof. TRT mounts are galvanized for corrosion protection. All TRT mounts are UPS shippable.



SPECIFICATIONS

| Part No. | Description |
|----------|---|
| TRT36 | 3' tall, tube legs (PG) |
| TRT60 | 5' tall, tube legs (PG) |
| TRTAG2 | 5' tall, angle legs (HDG) with 2.38" O.D. x 0.154" wall x 3.5' long mast (HDG) |

PG = Pre-galvanized
HDG = Hot-dip galvanized

NOTES

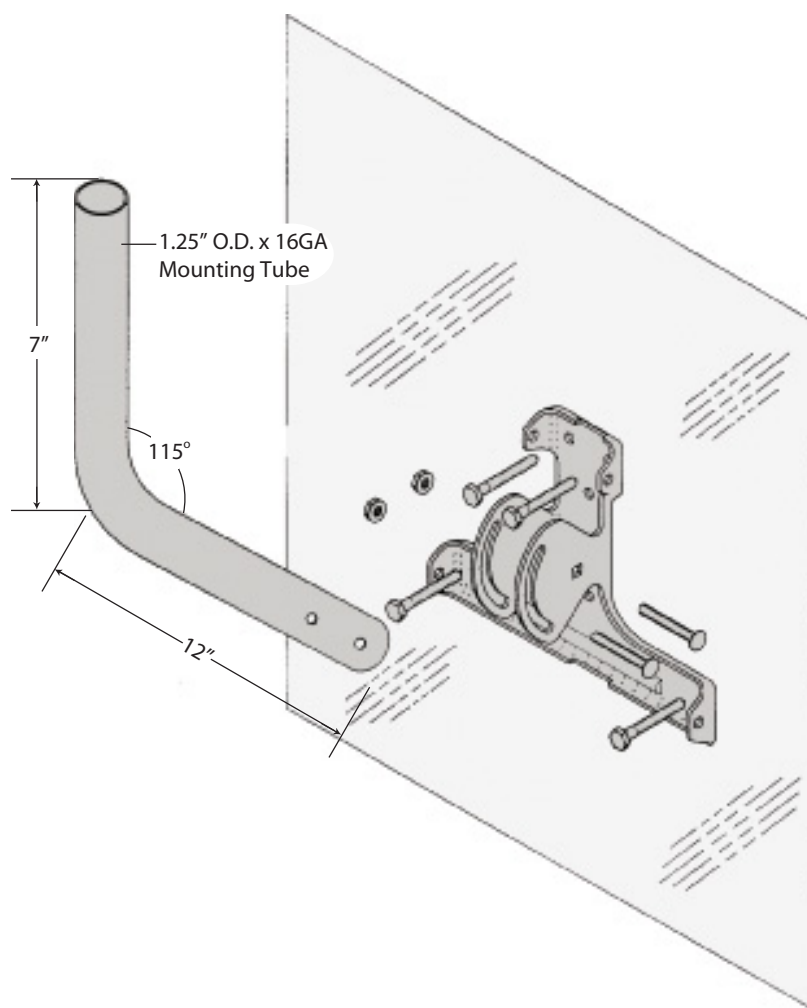
WALL MOUNTS





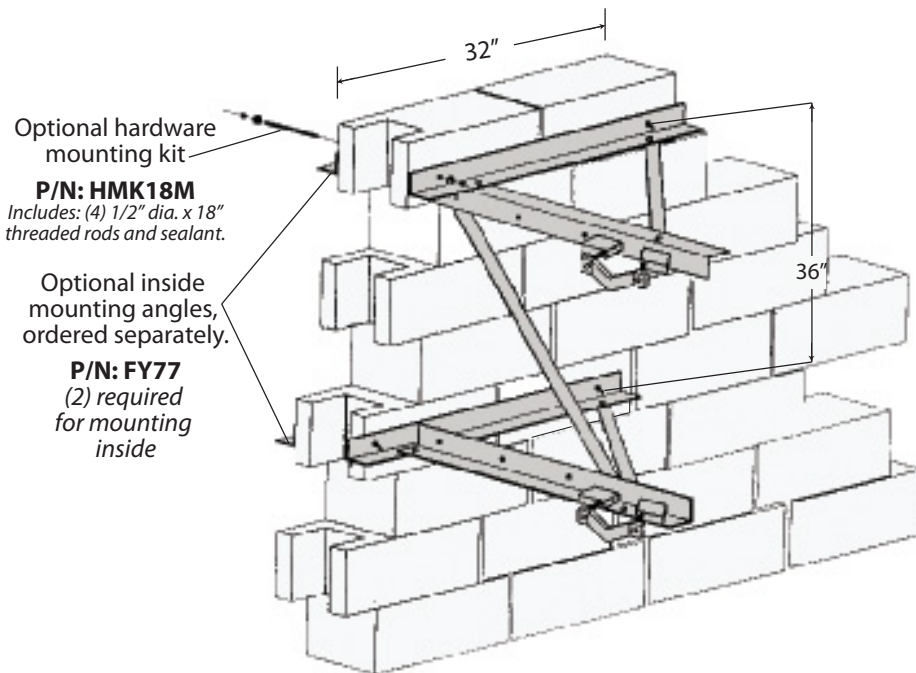
1LG

The Universal One-Legged Mount (1LG) may be the one and only mount that can be installed on any part of any building. This mount is designed for many types of antennas – home, TV, MMDS, DBS and more. The mount has a 1-1/4" O.D. mounting pipe and includes (4) 1/4" dia. x 2" long lag screws for installation. The mount is galvanized for corrosion protection and goes together quickly. The mount is easily shipped via UPS.



P W M

The ROHN Pole Wall Mount (PWM) is designed to support most Satellite, PCS, Cellular, and Microwave antennas. The PWM allows you to vary the mounting pipe length and diameter, accepting 2 7/8" O.D. - 5" O.D. mounting tubes. The PWM is hot-dip galvanized after fabrication for corrosion protection, and can easily be shipped UPS.

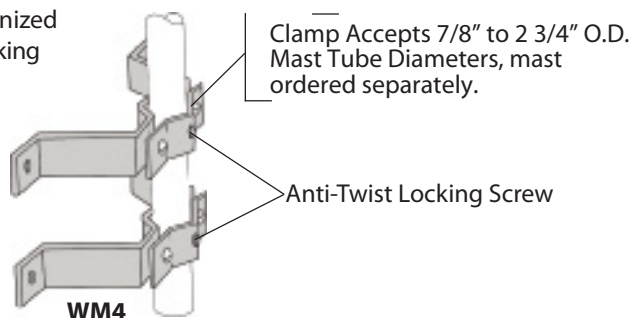


Adjustable mast offset from wall at 16", 22" and 28"



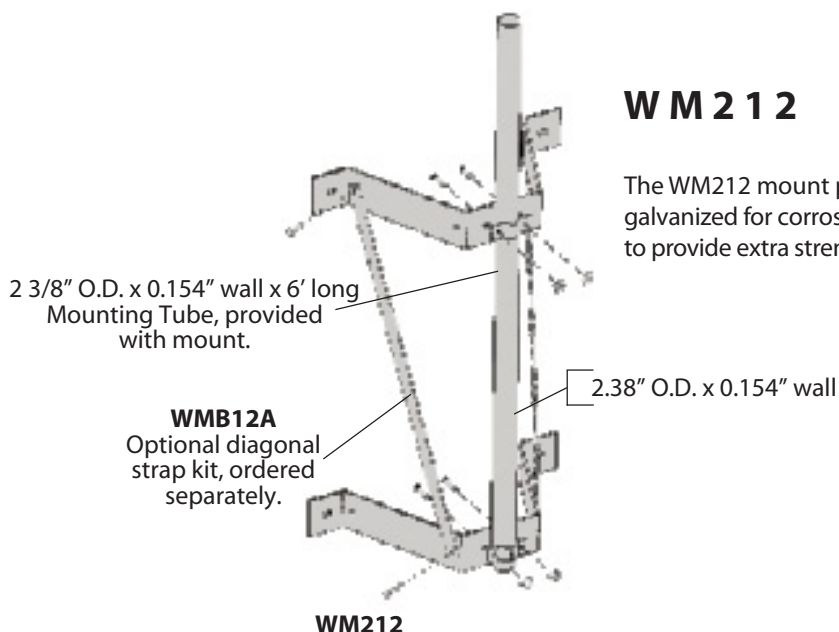
WM 4

The WM4 mount provides 3" clearance to the wall. The WM4 is hot-dip galvanized for corrosion protection. Masts are held in place with a unique "Anti-Twist" locking clamp. This mount includes (4) 1/4" dia. x 2" long lag screws for mounting.



WM 212

The WM212 mount provides 12" clearance to the wall. The WM212 is hot-dip galvanized for corrosion protection. Optional WMB12A diagonal is available to provide extra strength. Mount is pre-drilled to accept 1/2" dia. connectors.



EXTENDED WALL MOUNT ASSEMBLIES

Single and double extended wall mount assemblies can be used on masonry, wood, metal, and other types of walls using up to 1/4" dia. lag screws or bolts. The Wall Mounts are versatile, coming in a variety of stand off lengths and supporting 7/8" to 2 3/4" O.D. masts. The mounts are available as single brackets or double brackets. Masts are held in place with a unique "Anti-Twist" locking clamp. Galvanized for durability, these Wall Mounts are UPS shippable.

| Single: | Wall Clearance |
|----------------|-----------------------|
| WM6S | 6" clearance |
| WM8S | 8" clearance |
| WM12S | 12" clearance |
| WM18S | 18" clearance |
| WM24S | 24" clearance |
| Double: | Wall Clearance |
| WM8D | 8" clearance |
| WM12D | 12" clearance |
| WM18D | 18" clearance |
| WM24D | 24" clearance |

NOTE: Connectors to wall not included.

Clamp Accepts 7/8" to 2 3/4" O.D. Mast Tube Diameters, mast ordered separately.

Anti-Twist Locking Screw

Single: Upper Bracket only

Double: Upper and Lower Bracket

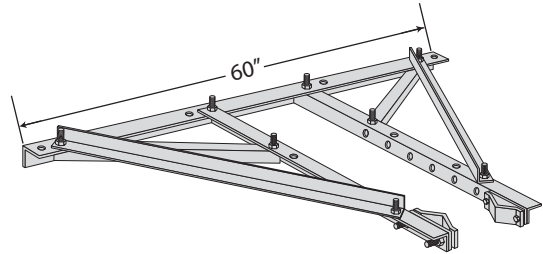
See page 301 for Mast options.

G-SERIES WALL BRACKETS & BASE MOUNTS

The HBUTVRO provides lateral support for 25G, 45G and 55G bracketed towers.

The bracket is pre-drilled to accept 5/8" dia. connectors to wall at 16" or 24" spacing.

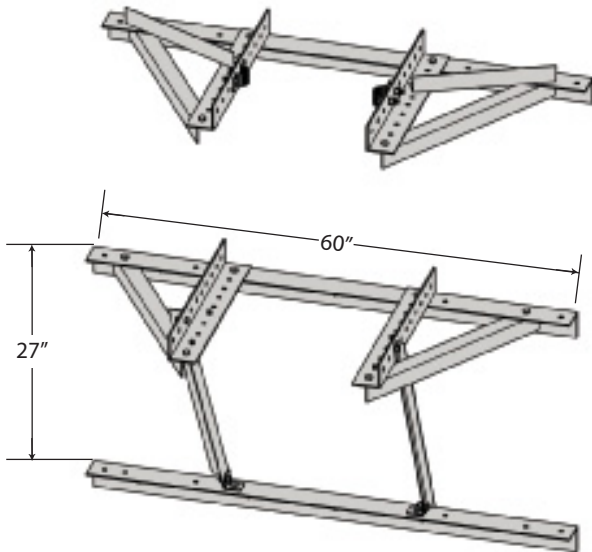
Adjustable to position tower 18" - 36" from wall.



HBUTVRO

25GWM

FOR 25G WALL SUPPORTED TOWERS



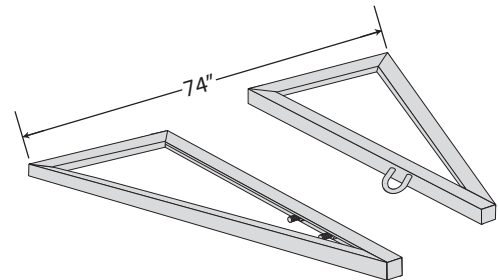
The 25GWM upper bracket provides lateral support for 25G wall supported towers. The lower bracket provides both lateral and vertical support. The 25G base plate (P/N KH6775, not shown) is provided with mount to provide an adjustable 6" - 20" of clearance to wall.

The brackets are pre-drilled to accept 5/8" dia. connectors at 16" or 24" spacing. A minimum 5' separation between the top and bottom brackets is recommended.

The KH1014 bracket provides lateral support for 65G bracketed towers.

The brackets are pre-drilled to accept 3/4" dia. connectors to wall at various center-to-center spacings (4.75" increments).

Adjustable to position tower 18" - 30" from wall.



KH1014

FOR 65G BRACKETED TOWERS

All mounts shown are hot-dip galvanized.

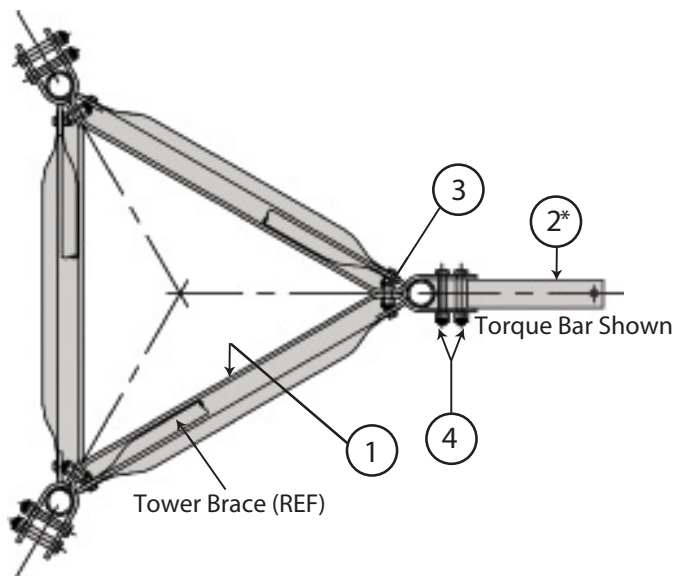
NOTES

TOWER MODIFICATION MATERIAL



ROHN MODEL 80 GUYED TOWER

STANDARD GUY BRACKETS FOR 83 & 84 SECTIONS
(2 3/8" & 2 7/8" O.D. LEGS)



GA80 Bill of Material

| Item | Qty. | Part No. | Description |
|------|------|----------|---------------------------------------|
| 1 | 3 | KC143 | Bar Flat Bracket Guy .38 x 4.5 x 4.5' |
| 2 | 3 | KC145 | Bar Flat TA 2.75 x .38 x 1.82' |
| 3 | 6 | 210047GA | Bolt Assembly 3/4 x 2 HSB A325 |
| 4 | 9 | 210058GA | Bolt Assembly 3/4 x 5 HSB A325 |

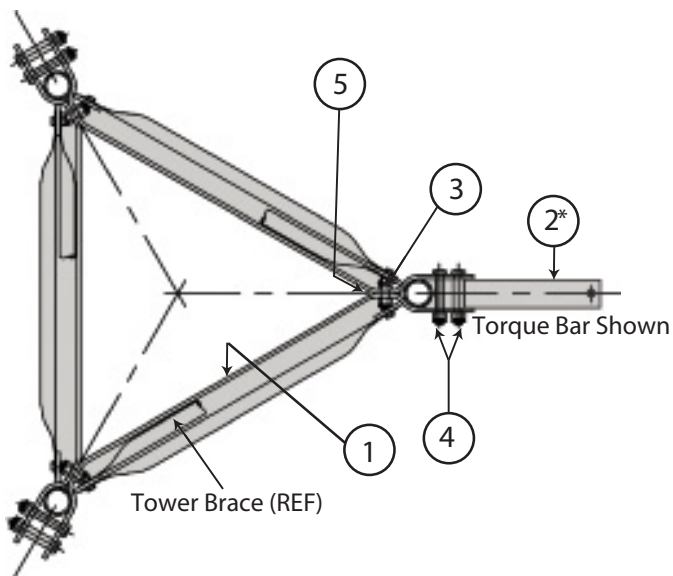
These guy brackets are designed for 5/8" EHS maximum guys at 80% guy radius. For use on ROHN Model 80 tower only, supported on brace clips.

For single braced standard sections, guy bracket must be used at the top of the section.

For double braced standard sections, guy brackets may be used at any panel point.

ROHN MODEL 80 GUYED TOWER

STANDARD GUY BRACKETS FOR 85 SECTIONS
(3 1/2" O.D. LEGS)



GA85 Bill of Material

| Item | Qty. | Part No. | Description |
|------|------|----------|--------------------------------------|
| 1 | 3 | KC144 | Bar Flat Bracket Guy .38 x 5 x 4.5' |
| 2 | 3 | KC465 | Bar Flat TA .38 x 3.5 x 1.83' |
| 3 | 6 | 210050GA | Bolt Assembly 3/4 x 2-3/4 HSB A325 |
| 4 | 9 | 210059GA | Bolt Assembly 3/4 x 5-1/2 HSB A325 |
| 5 | 3 | KC441 | Spacer Bracket Guy .63 x 3.13 x 4.5" |

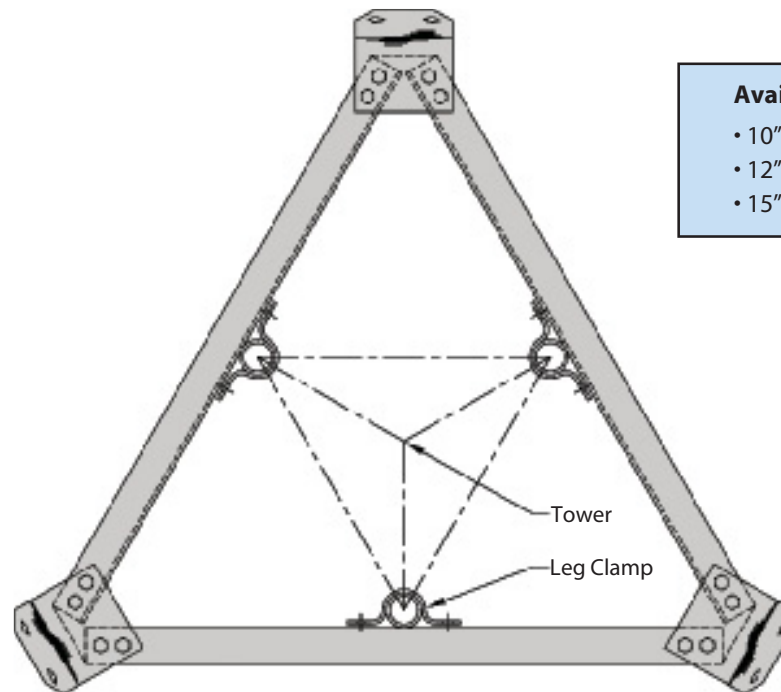
These guy brackets are designed for 5/8" EHS maximum guys at 80% guy radius. For use on ROHN Model 80 tower only.

For single braced standard sections, guy bracket must be used at the top of the section.

For double braced standard sections, guy brackets may be used at any panel point.

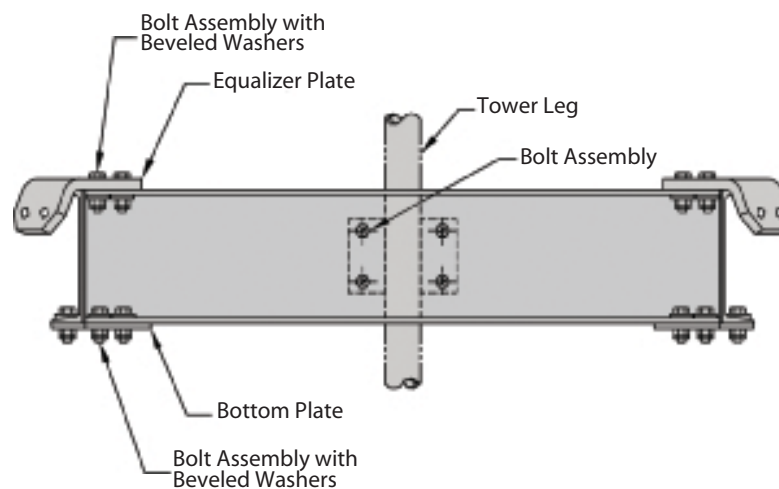
TORQUE ARM

CHANNEL ASSEMBLY FOR 80 TOWERS

**Available Sizes:**

- 10" Channel (C10x15.3)
- 12" Channel (C12x20.7)
- 15" Channel (C15x33.9)

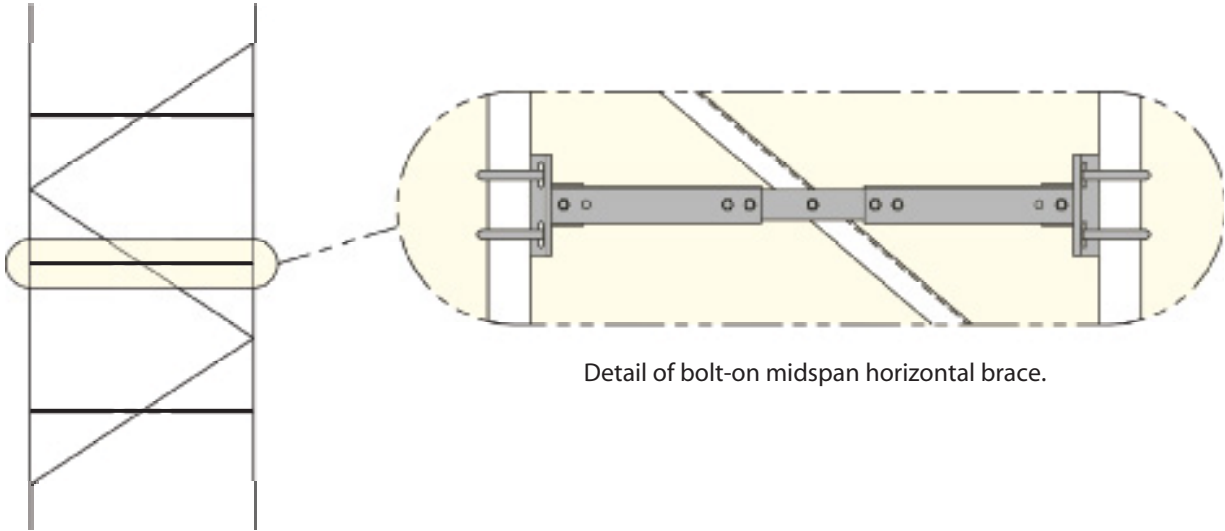
To order, provide leg size and desired channel size.



NOTE: For single braced sections, torque arm must bear on brace clips above flange plates. For double braced sections, torque arm must bear on brace clips at any panel point.

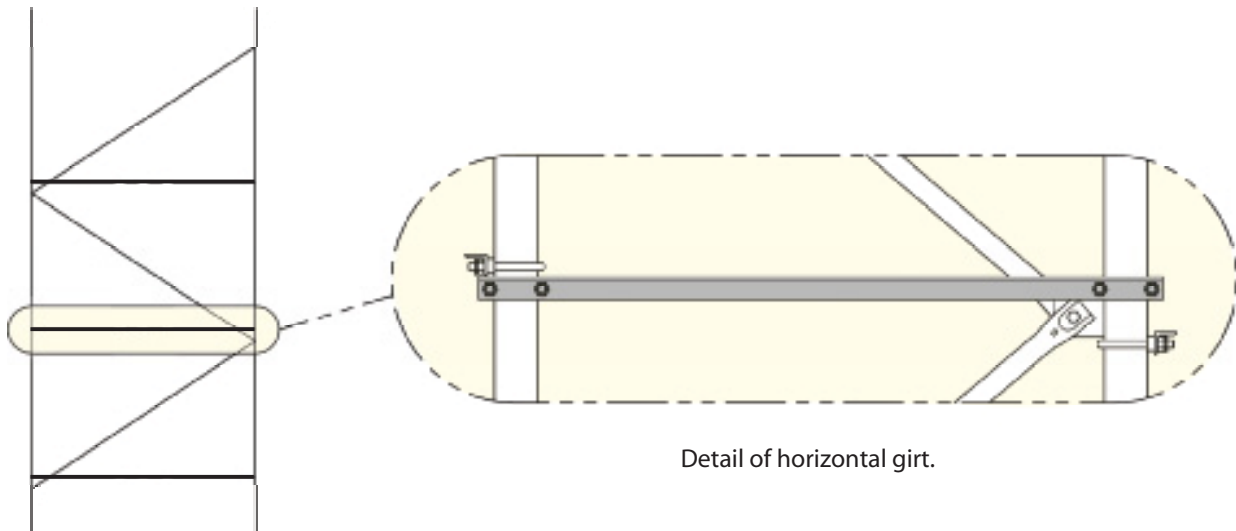
REINFORCEMENTS FOR 80 SERIES TOWERS

STANDARD PARTS AVAILABLE FOR TOWER MODIFICATIONS
AND FIELD REINFORCEMENT



Detail of bolt-on midspan horizontal brace.

To order, provide leg size and size of horizontal desired.



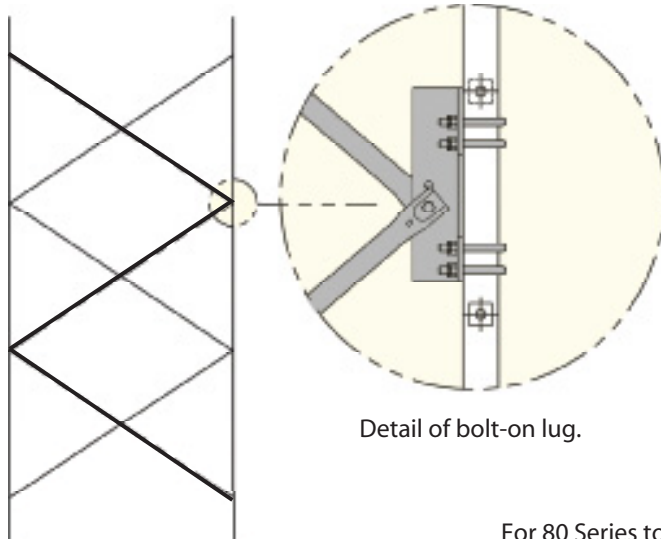
Detail of horizontal girt.

Added braces are shown as a bold line.

REINFORCEMENTS FOR 80 SERIES TOWERS

STANDARD PARTS AVAILABLE FOR TOWER MODIFICATIONS AND FIELD REINFORCEMENT

Similar reinforcements available for 90 series towers.



Detail of bolt-on lug.

For 80 Series towers

X-Brace Lug Requirements (Pipe)

| Leg O.D. | Assy. P/N | Lug P/N (1) | U-Bolt Assy. (4) |
|----------|-----------|-------------|------------------|
| 2.38" | KB497A | KB299 | JR83A |
| Δ 2.38" | KB497ASP | KB299SP | JR84A |
| 2.88" | KB498A | KB489 | JR84A |
| * 2.88" | KB498ASP | KB489SP | JR88A |
| ** 2.88" | KB498ASP1 | KB489SP1 | JR89A |
| 3.50" | KB499A | KB492 | JR88A |

X-Brace Lug Requirements (Solid Rod)

| Leg O.D. | Assy. P/N | Lug P/N (1) | U-Bolt Assy. (4) |
|----------|-----------|-------------|------------------|
| 2.25" | KB565A | KB555 | JR83A |
| 2.50" | KB566A | KB556 | JR83A |
| 2.75" | KB567A | KB557 | JR84A |
| 3.00" | KB568A | KB558 | JR84A |
| 3.25" | KB569A | KB559 | JR88A |

Standard Bracing Available

Light Bracing (16 GA)

| Part No. | Description |
|----------|-----------------------------|
| KB35R | 1.50" Tube, 16GA Diagonal |
| KB36R | 1.50" Tube, 16GA Horizontal |
| 210018GA | 1/2 x 1-1/2 A325 Bolt Assy. |

Heavy Bracing (11 GA)

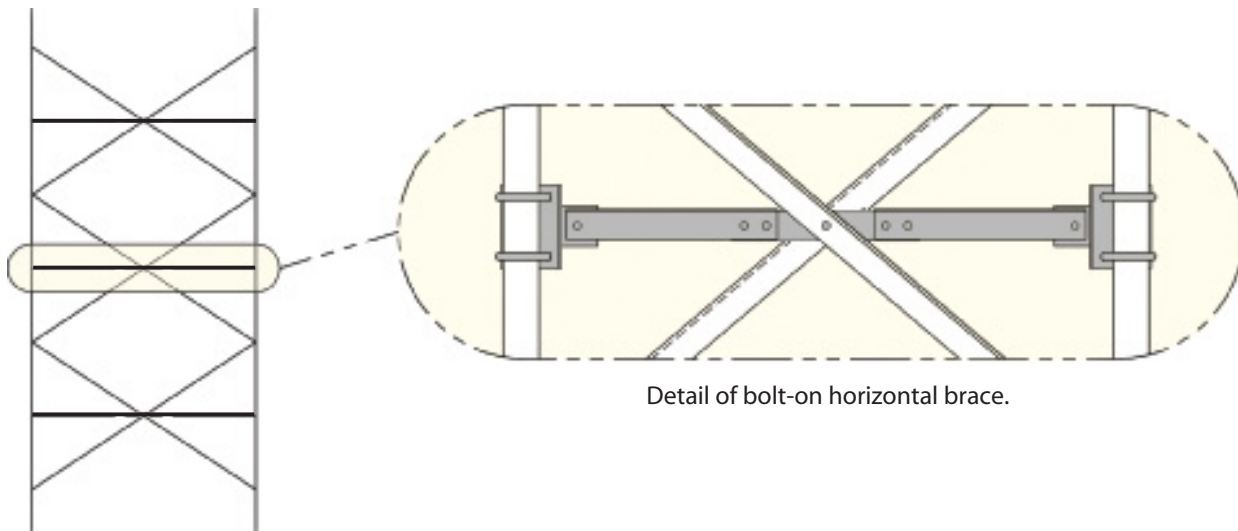
| Part No. | Description |
|----------|-----------------------------|
| KB37R | 1.50" Tube, 11GA Diagonal |
| KB38R | 1.50" Tube, 11GA Horizontal |
| 210019GA | 1/2 x 1-3/4 A325 Bolt Assy. |

Δ Use w/ 2.88" O.D. X .203" Wall Split Pipe on one side

* Use w/ 3.50" O.D. X .300" Wall Split Pipe on one side

** Use w/ 3.88" O.D. X .500" Wall Split Pipe on one side

Standard and Heavy Duty replacement braces are available. To order heavy duty braces, specify leg size and desired brace size.

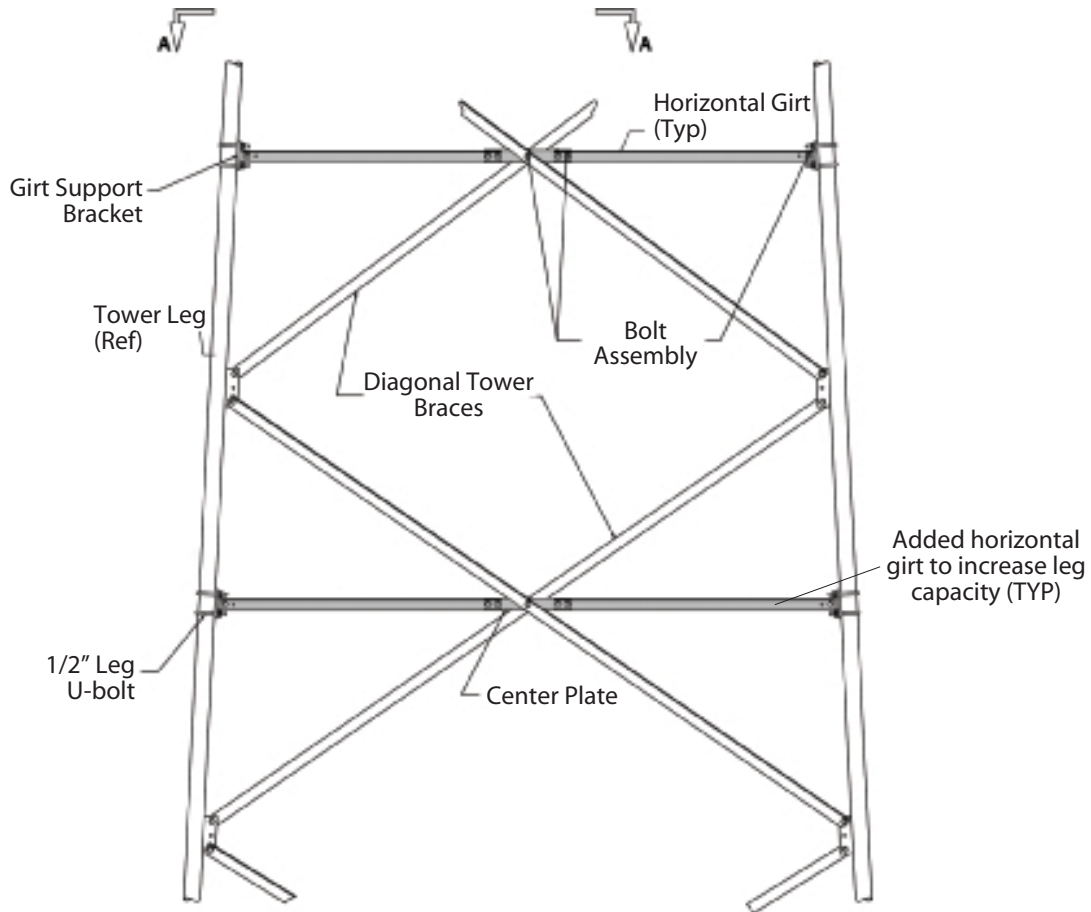


Detail of bolt-on horizontal brace.

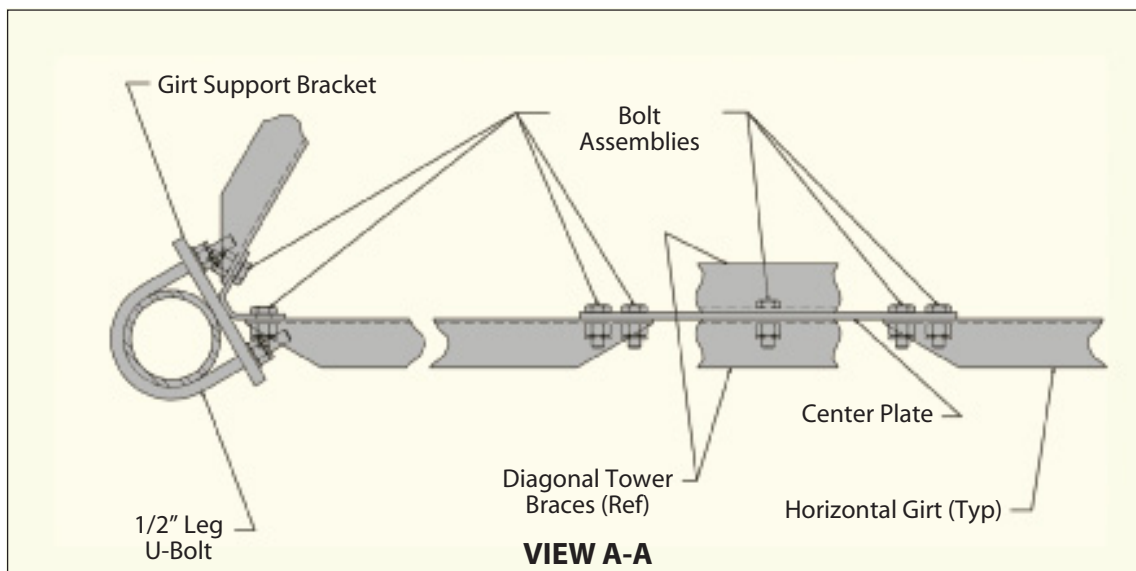
Added braces are shown as a bold line.

SELF-SUPPORTING REINFORCEMENTS

STANDARD PARTS AVAILABLE FOR TOWER MODIFICATIONS
AND FIELD REINFORCEMENT

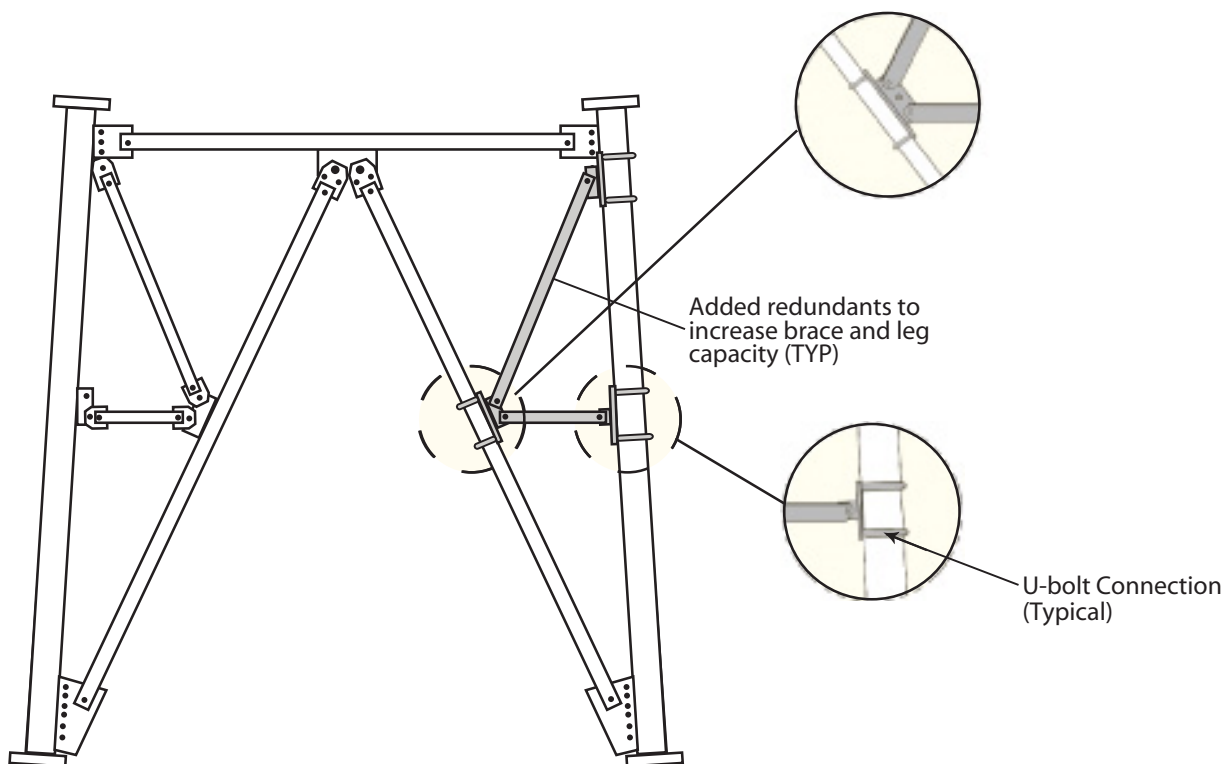


Bolt on brackets are available for all SSV towers.

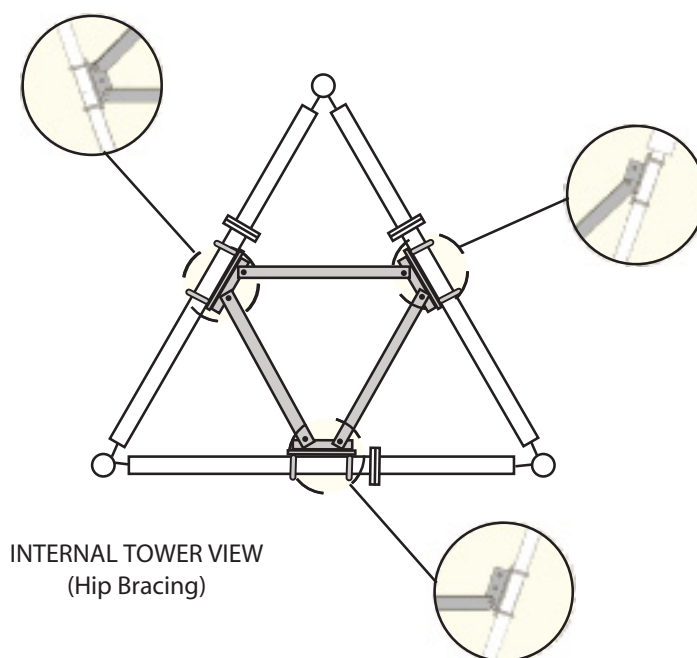


SSMW SELF-SUPPORTING REINFORCEMENTS

STANDARD PARTS AVAILABLE FOR TOWER MODIFICATIONS
AND FIELD REINFORCEMENT



Bolt-on brackets are available for all SSMW legs and internal braces.



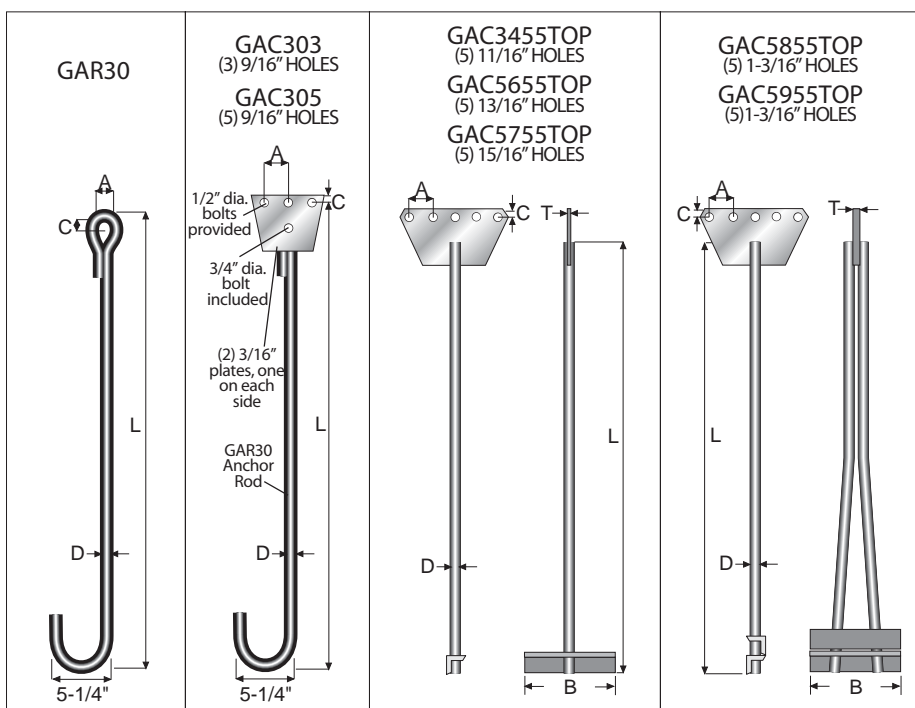


GUY ANCHOR SELECTION CHART

| GUYS | | TURNBUCKLES | | ANCHOR RODS COMPATIBLE WITH TURNBUCKLE SIZE | | | | | | |
|-------------|-------------------------|-------------|-------------------------|---|-----|-------|-------|-------|-------|-------|
| SIZE & TYPE | ULTIMATE STRENGTH (LBS) | SIZE | ULTIMATE STRENGTH (LBS) | | | | | | | |
| 3/16EHS | 3990 | 3/8 | 6000 | | GAC | | | | | |
| 1/4EHS | 6650 | 1/2 | 11000 | GAR | GAC | GAC34 | | | | |
| 5/16EHS | 11200 | 5/8 | 17500 | GAR | GAC | GAC34 | GAC56 | | | |
| 3/8EHS | 15400 | 5/8 | 17500 | GAR | | GAC34 | GAC56 | | | |
| 7/16EHS | 20800 | 3/4 | 26000 | GAR | | GAC34 | GAC56 | GAC57 | | |
| 1/2EHS | 26900 | 7/8 | 36000 | | | | GAC56 | GAC57 | | |
| 9/16EHS | 35000 | 7/8 | 36000 | | | | GAC56 | GAC57 | | |
| 5/8EHS | 42400 | 1 | 50000 | | | | | GAC57 | GAC58 | GAC59 |
| 3/4EHS | 58300 | 1-1/4 | 76000 | | | | | | GAC58 | GAC59 |

ANCHOR RODS

| Type | L | A | B | C | D | T | Part No. | Weight (lbs.) |
|-------|------|--------|-----|--------|---------|-------|------------|---------------|
| GAR | 84" | 1" | - | 2" | 5/8" | - | GAR30 | 9 |
| GAC | 84" | 2" | - | 1" | 5/8" | 3/16" | GAC303 | 13 |
| GAC | 84" | 2" | - | 1" | 5/8" | 3/16" | GAC305 | 14 |
| GAC34 | 84" | 2" | 12" | 1" | 3/4" | 3/8" | GAC3455TOP | 25 |
| GAC56 | 120" | 2-1/2" | 12" | 1-1/4" | 1-1/4" | 1/2" | GAC5655TOP | 65 |
| GAC57 | 168" | 3" | 12" | 1-3/8" | 1-7/16" | 3/4" | GAC5755TOP | 125 |
| GAC58 | 192" | 4" | 12" | 1-3/4" | 1-1/4" | 1" | GAC5855TOP | 220 |
| GAC59 | 240" | 4" | 18" | 1-3/4" | 1-7/16" | 1" | GAC5955TOP | 310 |



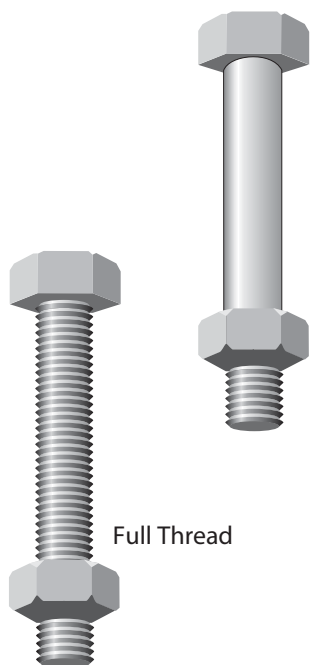
NOTE: GAC303 + GAC305 Anchors require use of eye and eye turnbuckles.
All other anchors are for use with eye and jaw turnbuckles. Refer to page 297.

HARDWARE





NUTS, BOLTS & WASHERS

GRADE 5 BOLT ASSEMBLIES, GALVANIZED
[HEX BOLTS, NUT & LOCKING DEVICE]Thread Length
= 2 (bolt dia.) + 1/4"

Full Thread

| Dia. x Length (inches) | Assembly Part No. | Weight (lbs./100pcs) |
|---------------------------|-------------------|----------------------|
| 5/16 x 2-3/8 | 210003GA | 7/100 |
| 3/8 x 1-1/4 | 210005GA | 10/100 |
| 3/8 x 1-1/2 | 210008GA | 10/100 |
| 3/8 x 2 | 210009GA | 12/100 |
| 3/8 x 2-1/2 | 210011GA | 13/100 |
| 3/8 x 2-1/2 (Full Thread) | 210176GA | 13/100 |
| 3/8 x 4 | 210014GA | 18/100 |
| 3/8 x 4 (Full Thread) | 210013GA | 18/100 |
| 7/16 x 2-1/2 | 210016GA | 17/100 |
| 5/8 x 1-3/4 | 210146GA | 35/100 |
| 5/8 x 2 | 210140GA | 38/100 |
| 5/8 x 3-1/4 | 210036GA | 51/100 |
| 5/8 x 3-3/4 | 210038GA | 53/100 |
| 3/4 x 4-1/2 | 210091GA | 91/100 |
| 7/8 x 3 | 210062GA | 103/100 |

Pal nuts included with assembly P/N shown.
See table below for other nut locking devices.

NUT LOCKING DEVICE OPTIONS
[ADD SUFFIX AFTER BOLT ASSEMBLY PART NUMBER]

| Suffix | Nut Locking Device |
|--------|--------------------|
| - | Pal Nut |
| AN | Anco Nut |
| TLN | Tri-Loc Nut |
| LW | Split Ring Washer |

Example:

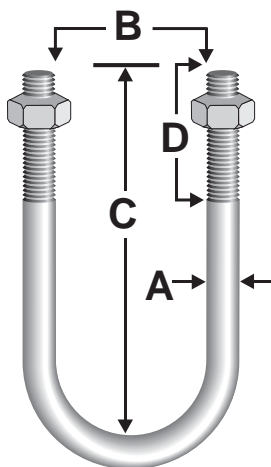
For 3/8" x 1-1/2" bolt assembly with a split ring lock washer used for a nut locking device, in place of a pal nut, order part number: **210011GALW**

NOTE: To order bolts or other hardware in this catalog without nuts and nut locking devices, remove the "A" from the end of the assembly part number.



NUTS, BOLTS & WASHERS

U-BOLTS, ROUND BEND, GALVANIZED A36

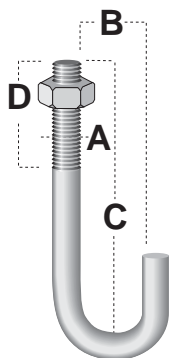


| Dimensions (inches) | | | | Assy. Part No. | Weight (lbs./100pcs) |
|---------------------|--------|--------|-------|----------------|----------------------|
| A | B | C | D | | |
| 1/4 | 1-1/4 | 2-1/4 | 1-3/8 | JR45GA | 12/100 |
| 5/16 | 1-1/2 | 2-5/8 | 1-1/4 | JR51A | 15/100 |
| 5/16 | 1-1/2 | 2 | 1-1/4 | JR55A | 14/100 |
| 5/16 | 1-11/6 | 2-1/4 | 1 | JR54A | 15/100 |
| 3/8 | 13/16 | 1-5/8 | 7/8 | JR69A | 21/100 |
| 3/8 | 1 | 2-1/4 | 1-1/4 | JR67A | 23/100 |
| 3/8 | 1-1/4 | 2-3/4 | 1-5/8 | JR66A | 31/100 |
| 3/8 | 1-1/2 | 3 | 1-3/4 | JR65A | 29/100 |
| 3/8 | 2-1/8 | 3 | 1-1/4 | JR68A | 31/100 |
| 3/8 | 2-1/2 | 4 | 2 | JR60A | 35/100 |
| 3/8 | 2-1/2 | 3-1/2 | 1-1/2 | JR61A | 33/100 |
| 3/8 | 3-1/2 | 4-5/8 | 1-5/8 | JR64A | 41/100 |
| 3/8 | 4 | 6 | 2-1/4 | JR62A | 42/100 |
| 3/8 | 4-1/2 | 6-1/2 | 2-1/4 | JR63A | 52/100 |
| 1/2 | 3/4 | 3-1/2 | 2-1/2 | JR81A | 60/100 |
| 1/2 | 2 | 3-3/4 | 1-3/4 | JR810A | 63/100 |
| 1/2 | 2-1/4 | 4-1/2 | 2-1/4 | JR82A | 71/100 |
| 1/2 | 2-1/2 | 4-1/2 | 2-1/2 | JR83A | 71/100 |
| 1/2 | 3 | 5-5/8 | 3 | JR84A | 84/100 |
| 1/2 | 3 | 4-1/8 | 1-1/2 | JR84SA | 73/100 |
| 1/2 | 3-1/2 | 6 | 3 | JR88A | 88/100 |
| 1/2 | 4 | 6-1/2 | 3-1/2 | JR89A | 98/100 |
| 1/2 | 4-1/2 | 6 | 2-1/4 | JR85A | 91/100 |
| 1/2 | 5-5/8 | 8 | 3-1/4 | JR86A | 114/100 |
| 1/2 | 6-3/4 | 9 | 3-1/4 | JR87A | 127/100 |
| 1/2 | 8-3/4 | 11-1/8 | 2-1/2 | JR90SA | 188/100 |
| 1/2 | 10-7/8 | 13 | 2-1/2 | JR110A | 198/100 |
| 1/2 | 12-7/8 | 15 | 2-1/2 | JR120A | 243/100 |
| 3/4 | 3 | 5-3/4 | 3 | JR121A | 199/100 |
| 3/4 | 3-1/2 | 6-1/4 | 2-3/4 | JR122A | 263/100 |
| 3/4 | 4 | 6-3/4 | 2-1/2 | JR123A | 284/100 |
| 3/4 | 4-1/2 | 7-1/4 | 2-1/2 | JR124A | 280/100 |
| 3/4 | 5-5/8 | 8-5/16 | 2-1/2 | JR125A | 318/100 |
| 3/4 | 6-3/4 | 10 | 3-1/2 | JR126STA | 390/100 |
| 3/4 | 8-3/4 | 11-3/8 | 2-1/2 | JR128A | 424/100 |
| 3/4 | 10-7/8 | 13-3/8 | 2-5/8 | JR1210A | 517/100 |
| 3/4 | 12-3/4 | 15 | 2-1/2 | JR1212A | 591/100 |

Pal nuts included with assembly P/N shown.

Add suffix from page 288 for other nut locking device.

NUTS, BOLTS & WASHERS

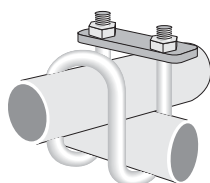


J-BOLTS, GALVANIZED A36

| Dimensions (inches) | | | | Assy. Part No. | Weight (lbs./100pcs) |
|---------------------|-----|---------|-------|----------------|----------------------|
| A | B | C | D | | |
| 3/8 | 5/8 | 4 | 2-5/8 | J44AA | 16/100 |
| 3/8 | 5/8 | 5-11/16 | 2-3/4 | J51A | 23/100 |
| 3/8 | 5/8 | 7-9/16 | 5-1/2 | J170A | 35/100 |
| 3/8 | 3/4 | 2 | 1-1/2 | J167A | 10/100 |

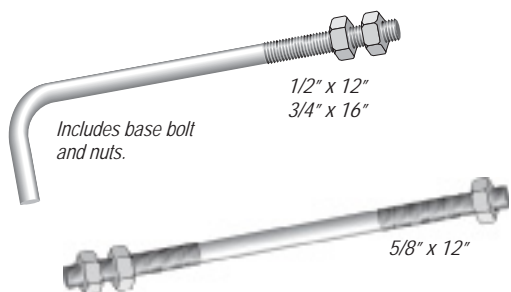
Pal nuts included with assembly P/N shown.

Add suffix from page 288 for other nut locking device.



U-BOLTS, DOUBLE BEND, GALVANIZED A36

| Description | Assy. Part No. | Weight (lbs./100pcs) |
|--|----------------|----------------------|
| 5/16" dia. (18 THD) For 1-1/4" Tubing | TB5125BA | 54/100 |



BASE BOLT, GALVANIZED

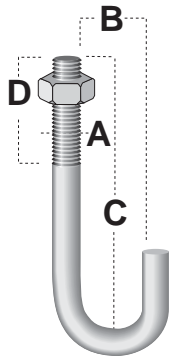
| Description | Part No. | Weight (lbs.) |
|------------------------|----------|---------------|
| 1/2" x 12" + 2" (Hook) | 1/2X12BB | 1/2 ea. |
| 5/8" x 12" | 260145G | 1 ea. |



STEP BOLT, GALVANIZED

| Description | Part No. | Weight (lbs./100pcs) |
|--|----------|----------------------|
| 5/8" x 7" (2-1/2" THD Length) | 210042G | 84/100 |
| 5/8" x 7" (2-1/2" THD Length) With 2 Heavy Hex Nuts | 5/8STEP | 108/100 |

NUTS, BOLTS & WASHERS

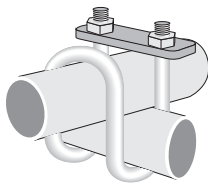


J-BOLTS, GALVANIZED A36

| Dimensions (inches) | | | | Assy. Part No. | Weight (lbs./100pcs) |
|---------------------|-----|---------|-------|----------------|----------------------|
| A | B | C | D | | |
| 3/8 | 5/8 | 4 | 2-5/8 | J44AA | 16/100 |
| 3/8 | 5/8 | 5-11/16 | 2-3/4 | J51A | 23/100 |
| 3/8 | 5/8 | 7-9/16 | 5-1/2 | J170A | 35/100 |
| 3/8 | 3/4 | 2 | 1-1/2 | J167A | 10/100 |

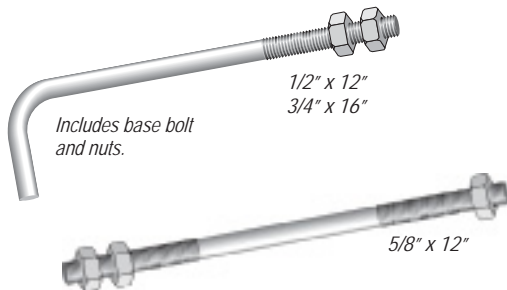
Pal nuts included with assembly P/N shown.

Add suffix from page 288 for other nut locking device.



U-BOLTS, DOUBLE BEND, GALVANIZED A36

| Description | Assy. Part No. | Weight (lbs./100pcs) |
|--|----------------|----------------------|
| 5/16" dia. (18 THD) For 1-1/4" Tubing | TB5125BA | 54/100 |



BASE BOLT, GALVANIZED

| Description | Part No. | Weight (lbs.) |
|------------------------|----------|---------------|
| 1/2" x 12" + 2" (Hook) | 1/2X12BB | 1/2 ea. |
| 5/8" x 12" | 260145G | 1 ea. |

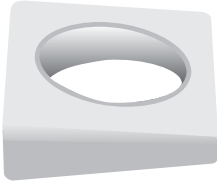


STEP BOLT, GALVANIZED

| Description | Part No. | Weight (lbs./100pcs) |
|--|----------|----------------------|
| 5/8" x 7" (2-1/2" THD Length) | 210042G | 84/100 |
| 5/8" x 7" (2-1/2" THD Length) With 2 Heavy Hex Nuts | 5/8STEP | 108/100 |

NUTS, BOLTS & WASHERS

BEVELED WASHERS, GALVANIZED



| Description | Part No. | Weight (lbs./100pcs.) |
|-------------|----------|-----------------------|
| 3/8" | 110398 | 7/100 |
| 1/2" | 110399 | 7/100 |
| 5/8" | 110400 | 15/100 |
| 3/4" | 110551 | 14/100 |
| 7/8" | 250062G | 31/100 |
| 1" | 110686 | 28/100 |

ROHN GUY MATERIALS

THIMBLES, GALVANIZED



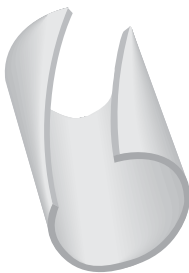
| Description | Assy. Part No. | Weight (lbs./100pcs.) |
|---|----------------|-----------------------|
| 1/4" Standard thimble, open for 1/8" to 3/16" guys | 1/4TH | 4/100 |
| 5/16" Heavy duty thimble, open for 3/16" guys | 5/16THH | 12/100 |
| 3/8" Heavy duty thimble, open for 1/4" guys | 3/8THH | 25/100 |
| 7/16" Heavy duty thimble, open for 5/16" guys | 7/16THH | 30/100 |
| 1/2" Heavy duty thimble, open for 3/8" guys | 1/2THH | 51/100 |
| 9/16" Heavy duty thimble, open for 7/16" guys | 9/16THH | 51/100 |
| 5/8" Heavy duty thimble, open for 1/2" or 9/16" guys | 5/8THH | 75/100 |
| 3/4" Heavy duty thimble, open for 5/8" guys | 3/4THH | 147/100 |
| 7/8" Heavy duty thimble, open for 3/4" guys | 7/8THH | 175/100 |
| 1" Heavy duty thimble, open for 7/8" guys | 1THH | 275/100 |

**ROHN GUY MATERIALS****CABLE CLAMPS, FORGED, GALVANIZED**

| Description | Part No. | Weight (lbs./100pcs.) |
|---------------------------|----------|-----------------------|
| 3/16" Cable Clamp, Forged | 3/16 CCF | 10/100 |
| 1/4" Cable Clamp, Forged | 1/4 CCF | 20/100 |
| 5/16" Cable Clamp, Forged | 5/16 CCF | 30/100 |
| 3/8" Cable Clamp, Forged | 3/8 CCF | 47/100 |

NUT & PIN TYPE SHACKLES, HEAT TREATED, GALVANIZED

| Description | Part No. | Weight (lbs./100pcs.) |
|---|----------|-----------------------|
| 3/8" (13,200 lbs. ultimate strength) | 3/8S | 25/100 |
| 1/2" (26,400 lbs. ultimate strength) | 1/2S | 70/100 |
| 5/8" (42,000 lbs. ultimate strength) | 5/8S | 150/100 |
| 3/4" (67,700 lbs. ultimate strength) | 3/4S | 232/100 |
| 7/8" (85,800 lbs. ultimate strength) | 7/8S | 340/100 |
| 1" (112,200 lbs. ultimate strength) | 1S | 500/100 |
| 1-1/8" (125,400 lbs. ultimate strength) | 1-1/8S | 700/100 |
| 1-1/4" (158,400 lbs. ultimate strength) | 1-1/4S | 975/100 |

BIG GRIP END SLEEVES, GALVANIZED

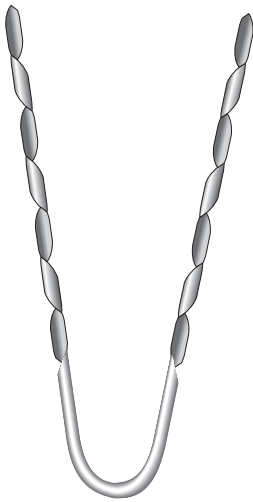
| Description | Part No. | Weight (lbs./100pcs.) |
|-------------|----------|-----------------------|
| 3/16" | GC65303 | 3/100 |
| 1/4" | GC65136 | 3/100 |
| 5/16" | GG65128 | 3/100 |
| 3/8" | GC65264 | 5/100 |
| 7/16" | GC65265 | 7/100 |
| 1/2" | GC65266 | 10/100 |
| 9/16" | GC65267 | 11/100 |
| 5/8" | GC65268 | 14/100 |
| 3/4" | GC65269 | 21/100 |
| 7/8" | GC65270 | 27/100 |
| 1" | GC65271 | 32/100 |

NOTES:

1. Oversized heavy duty thimbles must be used with all Big-Grips.

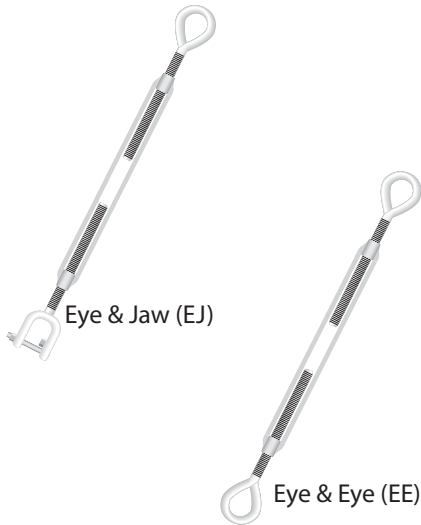
ROHN GUY MATERIALS

BIG-GRIPS, GALVANIZED
[BIG-GRIP WITH END SLEEVE]



| Description | Part No. | Weight (lbs./100pcs.) |
|-------------|----------|-----------------------|
| 3/16" | BG2142 | 33/100 |
| 1/4" | BG2144 | 50/100 |
| 5/16" | BG2146 | 82/100 |
| 3/8" | BG2147 | 112/100 |
| 7/16" | BG2148 | 188/100 |
| 1/2" | BG2115 | 315/100 |
| 9/16" | BG2116 | 480/100 |
| 5/8" | BG2111 | 650/100 |
| 3/4" | BG2112 | 1080/100 |
| 7/8" | BGMS7023 | 1125/100 |

TURNBUCKLES, HEAT-TREATED, GALVANIZED



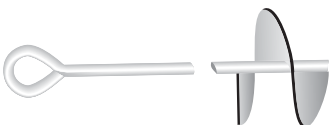
| Thread Diameter x Take Up | Type | Part No. | Weights (lbs.) |
|---|------|-----------|----------------|
| 3/8" x 6" (6,000 lbs. ultimate strength) | EE | 3/8TBE&E | 1 |
| 3/8" x 6" (6,000 lbs. ultimate strength) | EJ | 3/8TBE&J | 1 |
| 1/2" x 12" (11,000 lbs. ultimate strength) | EE | 1/2TBE&E | 2 |
| 1/2" x 12" (11,000 lbs. ultimate strength) | EJ | 1/2TBE&J | 2 |
| 5/8" x 12" (17,500 lbs. ultimate strength) | EJ | 5/8TBE&J | 4 |
| 3/4" x 12" (26,000 lbs. ultimate strength) | EJ | 3/4TBE&J | 5 |
| 7/8" x 12" (36,000 lbs. ultimate strength) | EJ | 7/8TBE&J | 8 |
| 1" x 12" (50,000 lbs. ultimate strength) | EJ | 1TBE&J | 11 |
| 1-1/4" x 18" (76,000 lbs. ultimate strength) | EJ | 11/4X18TB | 24 |
| 1-1/2" x 18" (107,000 lbs. ultimate strength) | EJ | 11/2X18TB | 35 |
| 1-3/4" x 18" (140,000 lbs. ultimate strength) | EJ | 13/4X18TB | 54 |

EYE BOLT, GALVANIZED



| Description | Part No. | Weight (lbs.) |
|-------------------------------|----------|---------------|
| 5/8" x 18" Eye Bolt with Nuts | 260004P | 2 |

SCREW ANCHOR, GALVANIZED



| Description | | |
|---------------------------------|--|--|
| 1/2" dia. x 30" long (4" auger) | | |
| 5/8" dia. x 48" long (6" auger) | | |



ROHN GUY MATERIALS

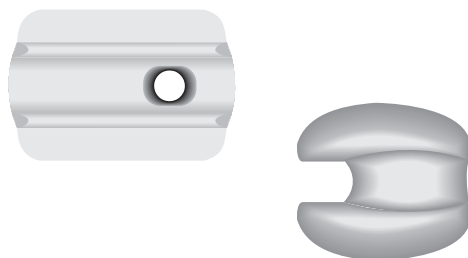


GUYS, GALVANIZED

| Description | Part No. | Weight (lbs.) |
|---|-------------|---------------|
| 6 Strand, 18GA - 1,000' coil (610 lbs. ultimate strength) | 618 | 42 |
| 3/16" - 500' coil (3,990 lbs. ultimate strength) | 3/16EHS500 | 36 |
| 3/16" - 1,000' coil (3,990 lbs. ultimate strength) | 3/16EHS1000 | 73 |
| 3/16" - cut length* (3,990 lbs. ultimate strength) | 3/16EHS | 73/MFT |
| 1/4" - 500' coil (6,650 lbs. ultimate strength) | 1/4EHS500 | 60 |
| 1/4" - 1,000' coil (6,650 lbs. ultimate strength) | 1/4EHS1000 | 120 |
| 1/4" - cut length* (6,650 lbs. ultimate strength) | 1/4EHS | 120/MFT |
| 5/16" - cut length* (11,200 lbs. ultimate strength) | 142265 | 205/MFT |
| 3/8" - cut length* (15,400 lbs. ultimate strength) | 142261 | 279/MFT |
| 7/16" - cut length* (20,800 lbs. ultimate strength) | 142260 | 399/MFT |
| 1/2" - cut length* (26,900 lbs. ultimate strength) | 142259 | 517/MFT |
| 9/16" - cut length* (35,000 lbs. ultimate strength) | 142258 | 671/MFT |
| 5/8" - cut length* (42,400 lbs. ultimate strength) | 142264 | 813/MFT |
| 3/4" - cut length* (58,300 lbs. ultimate strength) | 142257 | 1155/MFT |
| 7/8" - cut length* (79,700 lbs. ultimate strength) | 142256 | 1581/MFT |
| 1" - cut length* (122,000 lbs. ultimate strength) | 1BS | 2100/MFT |

*Please provide desired guy length with order.

MFT = 1,000 FT



GUY STRAIN INSULATORS, PORCELAIN

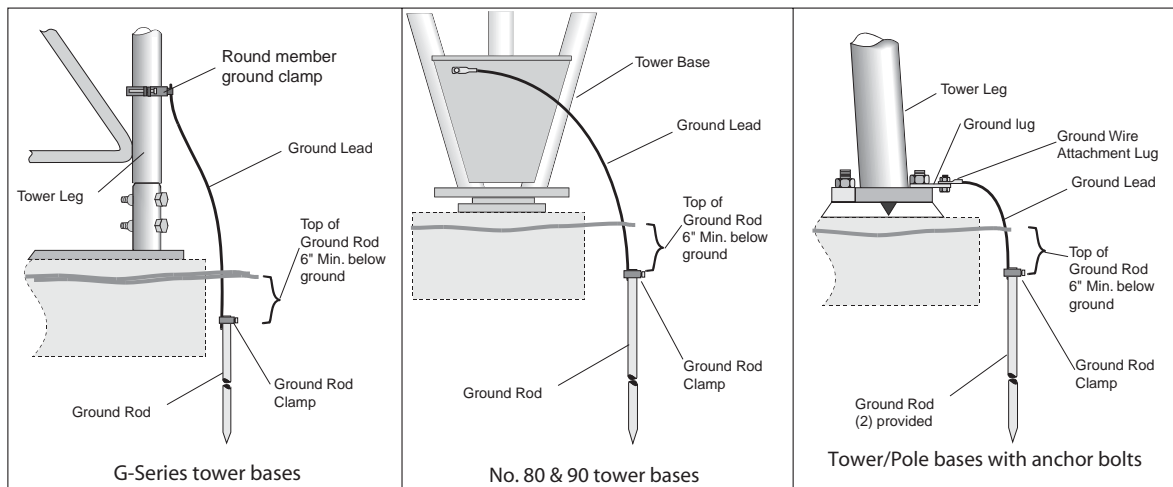
| Description | Part No. | Weight (lbs.) |
|-------------------------------|----------|---------------|
| 10,000 lbs. ultimate strength | 502 | 1 |
| 12,000 lbs. ultimate strength | 504 | 1.5 |
| 20,000 lbs. ultimate strength | 506 | 3 |



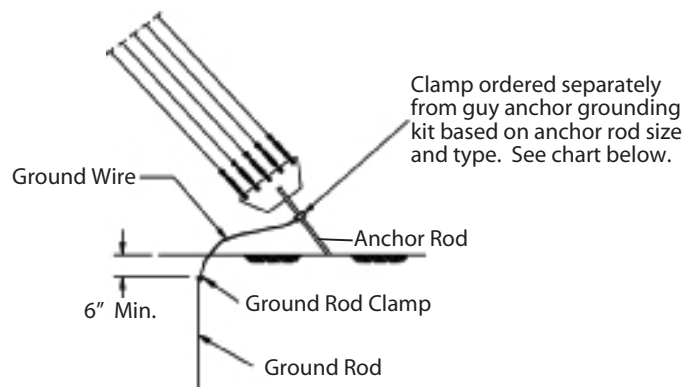
GRIPPLE GRIP

| Description | Part No. |
|---|-----------|
| Gripple Grip for 6 strand, 18 GA guy installation | 61820GRPL |

ROHN REV G GROUNDING



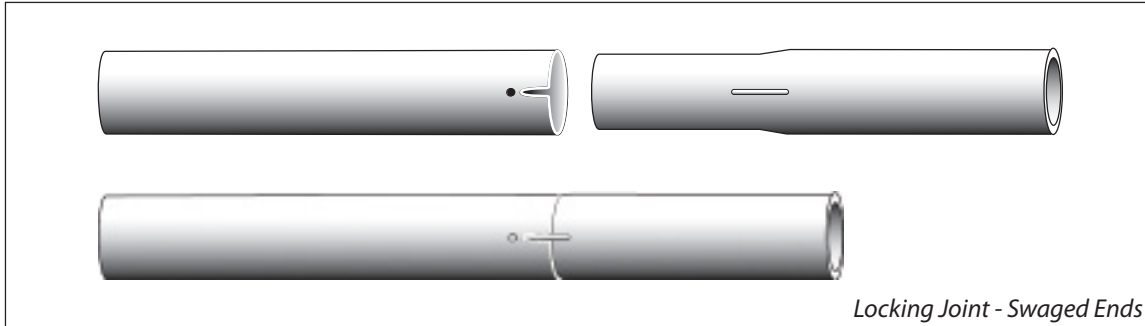
GUY ANCHOR GROUNDING KIT



| Tower Type | Description | Kit Part No. | No. of Kits Required |
|----------------------------|--|--------------|--------------------------|
| Guyed Masts | 80 & 90 Tower Base Grounding Kit | BGK1GGX | 3 per tower |
| | 55G & 65G Base Grounding Kit | BGK2GGX | 3 per tower |
| | 25G & 45G Base Grounding Kit | BGK3GGX | 3 per tower |
| | Guy Anchor Grounding Kit | AGK1GGX | 1 per each anchor radius |
| | Guy Anchor Clamp for 1/2" - 3/4" O.D. Rods | CPC.5/.75 | 1 per anchor |
| | Guy Anchor Clamp for 1" - 1-1/4" O.D. Rods | CPC1/1.25 | 1 per anchor |
| | Guy Anchor Clamp for 1-1/2" - 2" O.D. Rods | CPC1.5/2 | 1 per anchor |
| | Guy Anchor Clamp for Angle Anchor Rods | 213 | 1 per anchor |
| Self-Supporting Structures | 1/2" Anchor Bolt Grounding Kit | BGK4GGX | 3 per tower/pole |
| | 5/8" Anchor Bolt Grounding Kit | BGK5GGX | 3 per tower/pole |
| | 3/4" Anchor Bolt Grounding Kit | BGK6GGX | 3 per tower/pole |
| | 7/8" Anchor Bolt Grounding Kit | BGK7GGX | 3 per tower/pole |
| | 1" Anchor Bolt Grounding Kit | BGK8GGX | 3 per tower/pole |



STEEL TUBING



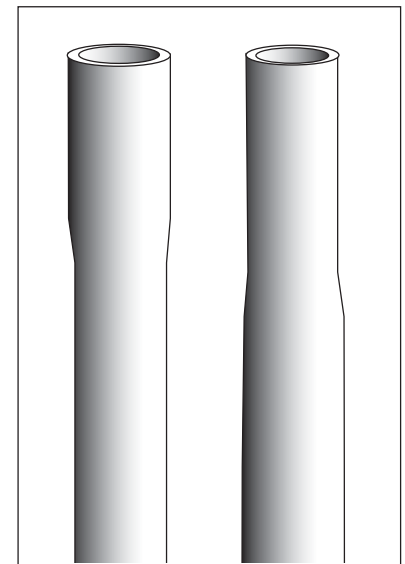
Locking Joint - Swaged Ends

ROHN offers both swaged and expanded 16 GA. tubing, commonly used with our roof and wall mounts.

Swaged - This tubing has a locking joint. When tubing is swaged, the metal is compressed and made thicker so that the joint is stronger than the original material. Swaging also eliminates the "joint bulge" common with expanded tubing.

Expanded - A tube with an expanded end used along with a tube with a plain end.

ROHN tubing is offered in two types of finishes, hot-dip galvanized and pre-galvanized. ROHN's hot-dip galvanized tubing is fabricated from high strength steel, then immersed in molten zinc giving all surfaces, including the interior, an even coating of zinc for maximum corrosion protection. There are no seams, holes or edges left uncoated. Pre-galvanized tubing is made from a coil of steel which is galvanized at the steel mill, cut into strips, and then formed into a piece of tubing. Where the tubing is welded, zinc is sprayed over the weld to give it protection. It has a slightly uncoated seam on the inside and ends.



Expanded

Swaged

TUBING SPECIFICATIONS

| Tubing Part No. | End Type | Description | Finish |
|-----------------|----------|---------------------------------|--------------------|
| 160505GHS | Swaged | 1-1/4" O.D. x 16 GA. x 5' long | Hot-Dip Galvanized |
| 160505PHS | Swaged | 1-1/4" O.D. x 16 GA. x 5' long | Pre-Galvanized |
| 160506PLX | Expanded | 1-1/2" O.D. x 16 GA. x 5' long | Pre-Galvanized |
| 161005GHS | Swaged | 1-1/4" O.D. x 16 GA. x 10' long | Hot-Dip Galvanized |
| 161005PHS | Swaged | 1-1/4" O.D. x 16 GA. x 10' long | Pre-Galvanized |

MOUNTING TUBES HOT-DIP GALVANIZED

Standard

| Description | Length | Part Number | Weight (lbs.) |
|--------------------------|--------|-------------|---------------|
| 2.38" O.D. x 0.154" wall | 5' | KH275 | 20 |
| 2.38" O.D. x 0.154" wall | 6' | KH1256 | 24 |
| 2.38" O.D. x 0.154" wall | 6' 8" | KH281 | 26 |
| 2.38" O.D. x 0.154" wall | 8' | KY1304 | 30 |
| 2.38" O.D. x 0.154" wall | 10' | KH287 | 39 |
| 2.38" O.D. x 0.154" wall | 12' | KH365 | 47 |
| 2.38" O.D. x 0.154" wall | 14' | KH2805 | 55 |
| 2.38" O.D. x 0.154" wall | 16' | KH2806 | 62 |
| 2.38" O.D. x 0.154" wall | 18' | KH2807 | 70 |
| | | | |
| 2.88" O.D. x 0.203" wall | 5' | KH276 | 31 |
| 2.88" O.D. x 0.203" wall | 6' | KH2576 | 37 |
| 2.88" O.D. x 0.203" wall | 6' 8" | KH282 | 41 |
| 2.88" O.D. x 0.203" wall | 8' | KH2541 | 50 |
| 2.88" O.D. x 0.203" wall | 10' | KH288 | 62 |
| 2.88" O.D. x 0.203" wall | 12' | KH366 | 74 |
| 2.88" O.D. x 0.203" wall | 14' | KH2802 | 86 |
| 2.88" O.D. x 0.203" wall | 16' | KH2803 | 99 |
| 2.88" O.D. x 0.203" wall | 18' | KH2804 | 111 |
| 2.88" O.D. x 0.203" wall | 20' | KH4813 | 123 |
| | | | |
| 4.50" O.D. x 0.237" wall | 5' | KH279 | 58 |
| 4.50" O.D. x 0.237" wall | 6' 8" | KH285 | 77 |
| 4.50" O.D. x 0.237" wall | 8' | KH2447 | 92 |
| 4.50" O.D. x 0.237" wall | 10' | KH291 | 115 |
| 4.50" O.D. x 0.237" wall | 12' | KH369 | 138 |
| 4.50" O.D. x 0.237" wall | 14' | KH2509 | 161 |

Extra Heavy

| Description | Length | Part Number | Weight (lbs.) |
|--------------------------|---------|-------------|---------------|
| 2.38" O.D. x 0.218" wall | 5' | KH1193 | 27 |
| 2.38" O.D. x 0.218" wall | 6' - 8" | KH1194 | 36 |
| 2.38" O.D. x 0.218" wall | 8' | KH2229 | 43 |
| | | | |
| 2.88" O.D. x 0.276" wall | 5' | KH1200 | 41 |
| 2.88" O.D. x 0.276" wall | 6' - 8" | KH1201 | 55 |
| 2.88" O.D. x 0.276" wall | 8' | KH2987 | 65 |
| 2.88" O.D. x 0.276" wall | 10' | KH1202 | 82 |
| 2.88" O.D. x 0.276" wall | 12' | KH1203 | 98 |
| 2.88" O.D. x 0.276" wall | 14' | KH5768 | 114 |
| | | | |
| 4.50" O.D. x 0.337" wall | 5' | KH1221 | 80 |
| 4.50" O.D. x 0.337" wall | 6' - 8" | KH1222 | 106 |
| 4.50" O.D. x 0.337" wall | 8' | KH1977 | 127 |
| 4.50" O.D. x 0.337" wall | 10' | KH1223 | 159 |
| 4.50" O.D. x 0.337" wall | 12' | KH1224 | 191 |
| 4.50" O.D. x 0.337" wall | 16' | KH3614 | 254 |
| 4.50" O.D. x 0.337" wall | 18' | KH5627 | 286 |



MISCELLANEOUS



PAINT

| Description | Part No. | Weight (lbs.) |
|------------------------------------|----------|---------------|
| Tower Paint, Orange, Acrylic Latex | PNTNPO5 | 11/gal. |
| Tower Paint, White, Acrylic Latex | PNTNPW9 | 11/gal. |



COLD GALVANIZE

| Description | Part No. | Weight (lbs.) |
|------------------------|----------|---------------|
| Cold Galvanize, Spray | 380063 | 1/can |
| Cold Galvanize, Gallon | 380147 | 1/gal. |

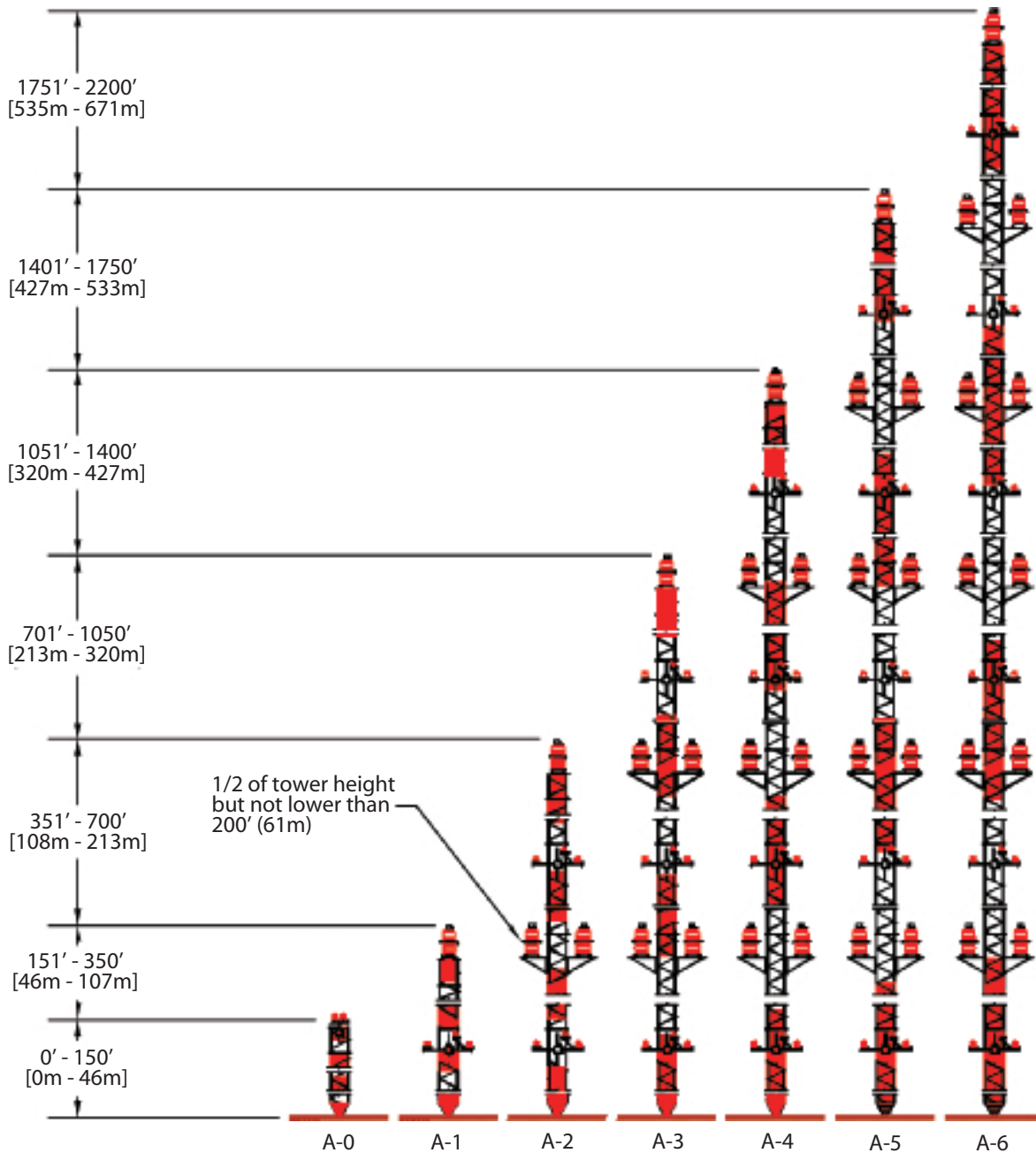
NOTES

TOWER LIGHTING GUIDELINES





FAA STYLE "A" SERIES RED OBSTRUCTION



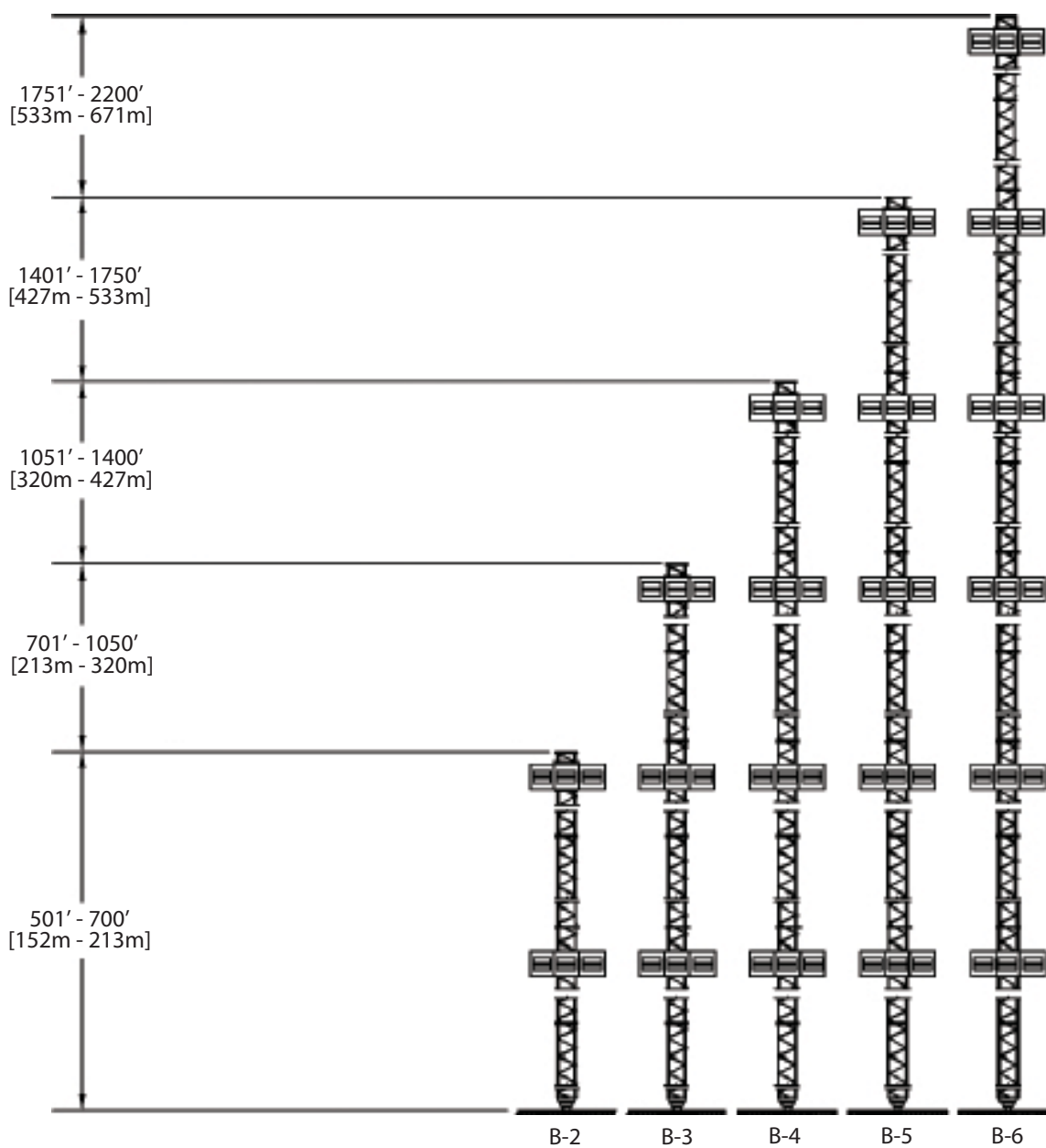
L-864 (Red Beacon)



L-810 (Obstruction Light)

Day Protection = Aviation Orange/White Paint
Night Protection = 2,000cd Red Beacon and Sidelights

FAA STYLE "B" SERIES HIGH INTENSITY

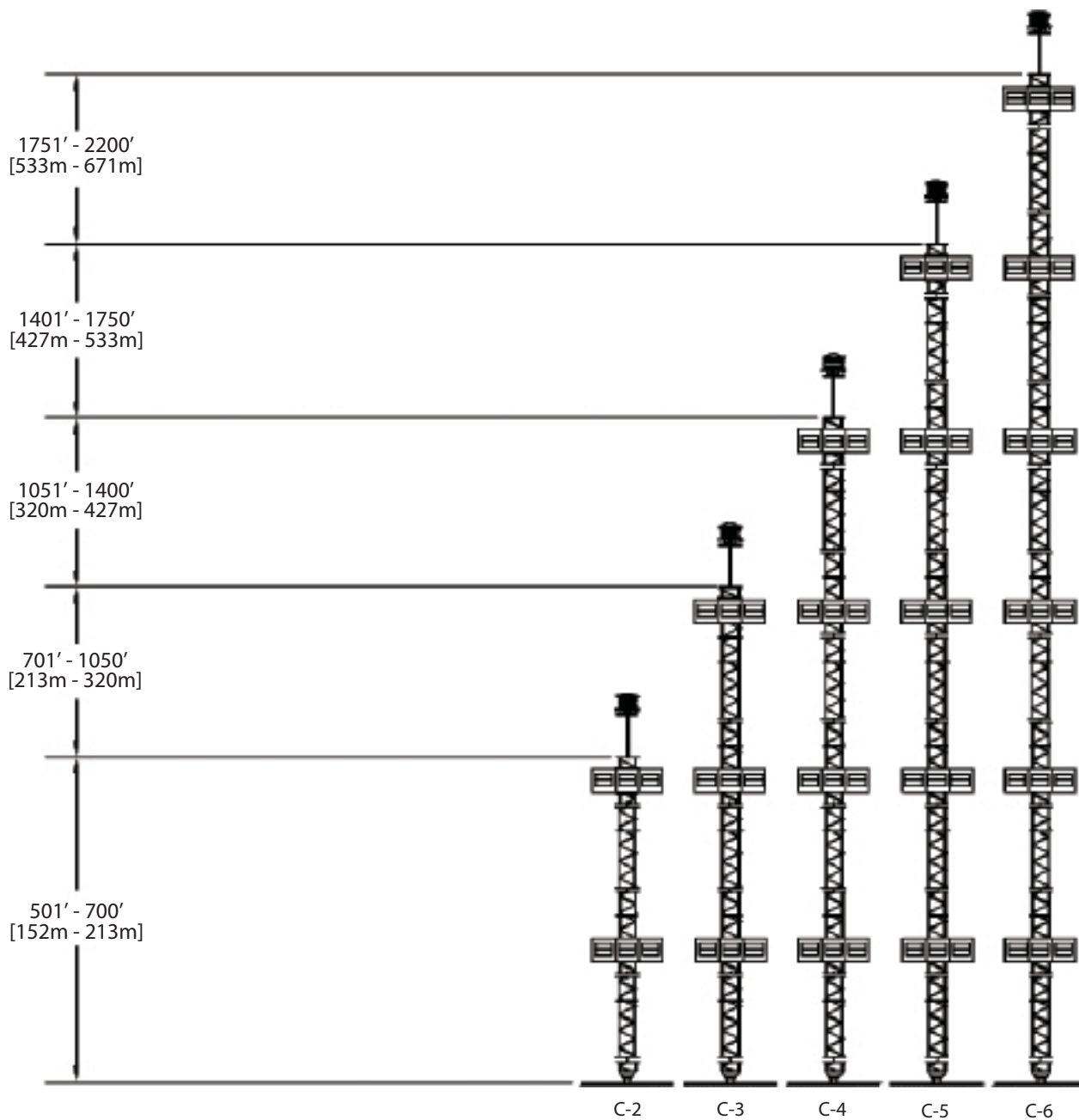


 L-856 (High Intensity Strobe)
3 Flashheads required per
level for 360° coverage

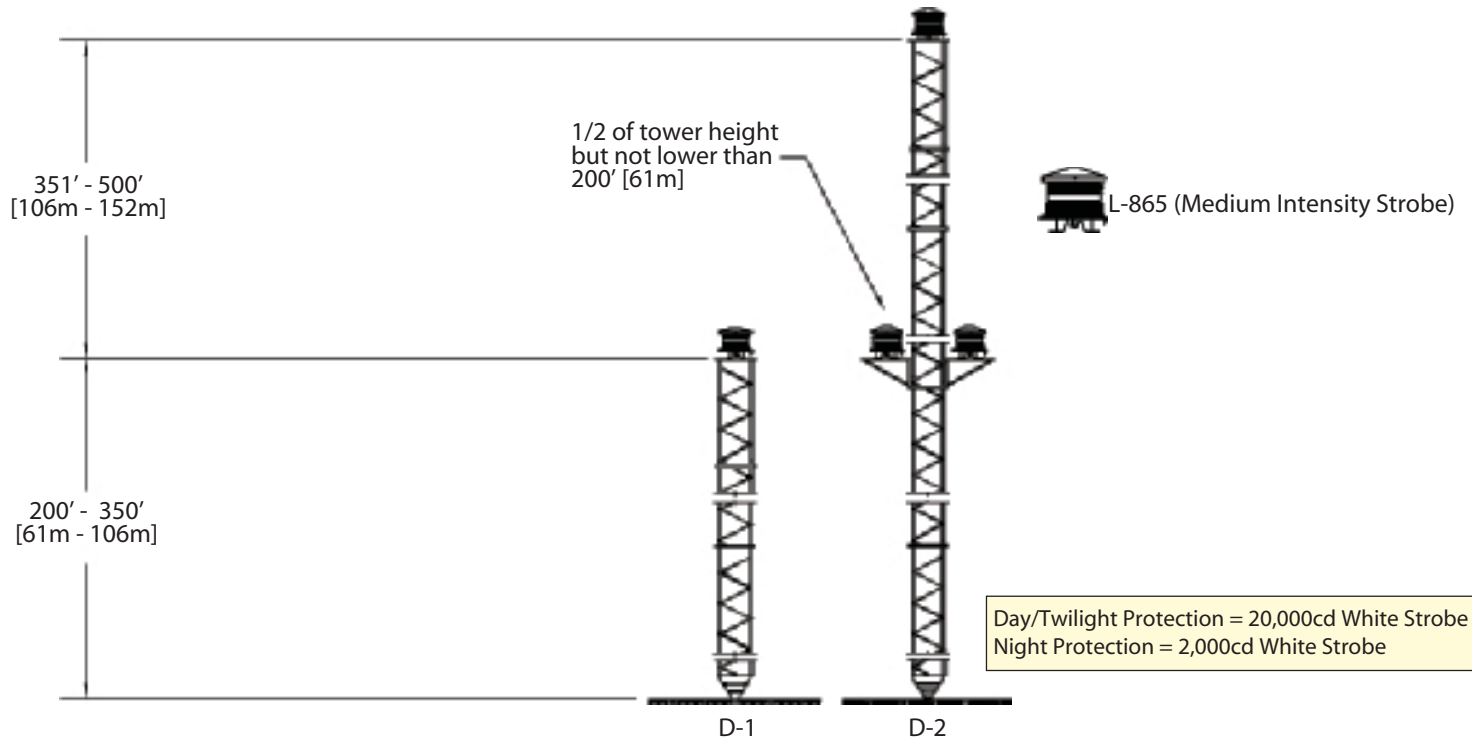
Day Protection = 200,000cd White Strobe
Twilight Protection = 20,000cd White Strobe
Night Protection = 2,000cd White Strobe



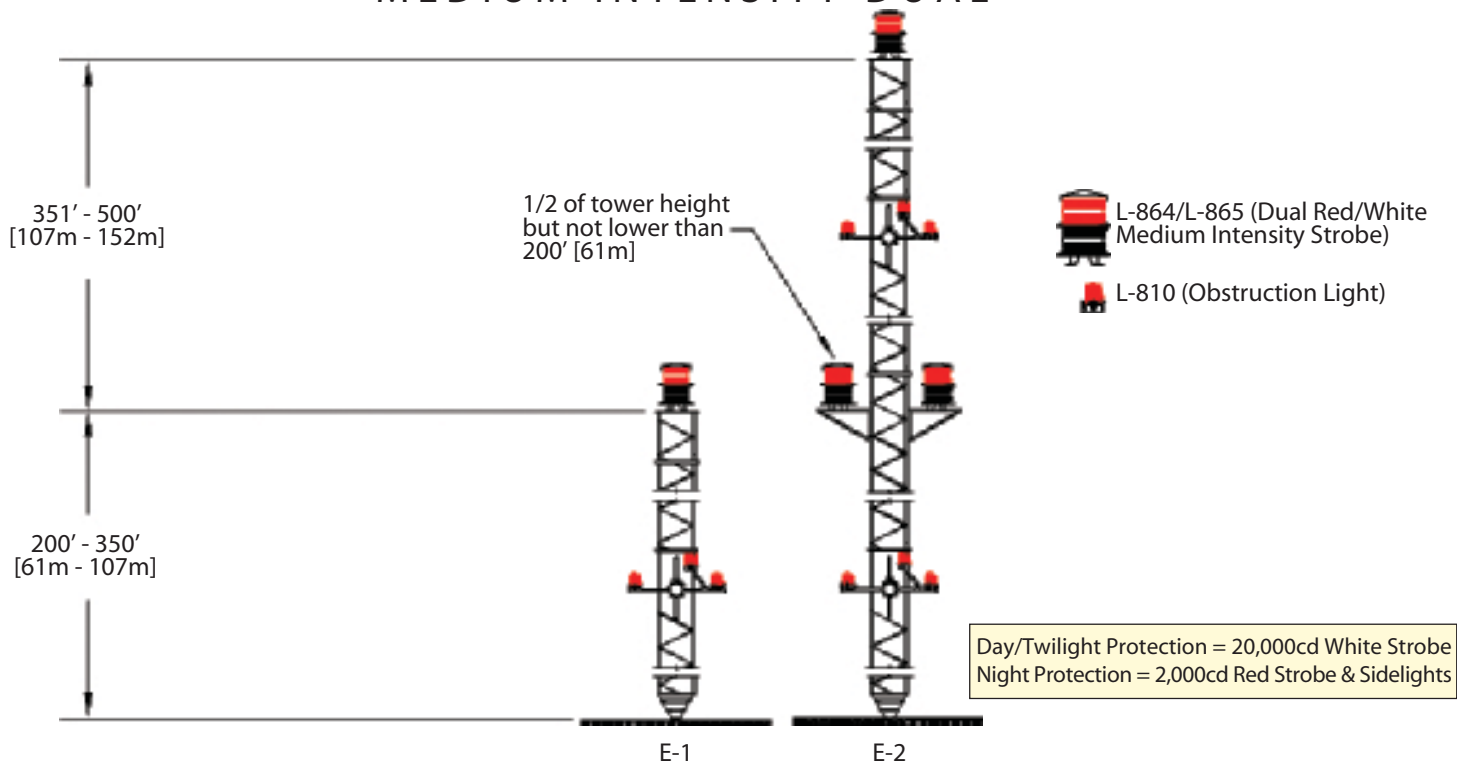
FAA STYLE "C" SERIES HIGH INTENSITY



FAA STYLE "D" SERIES MEDIUM INTENSITY WHITE

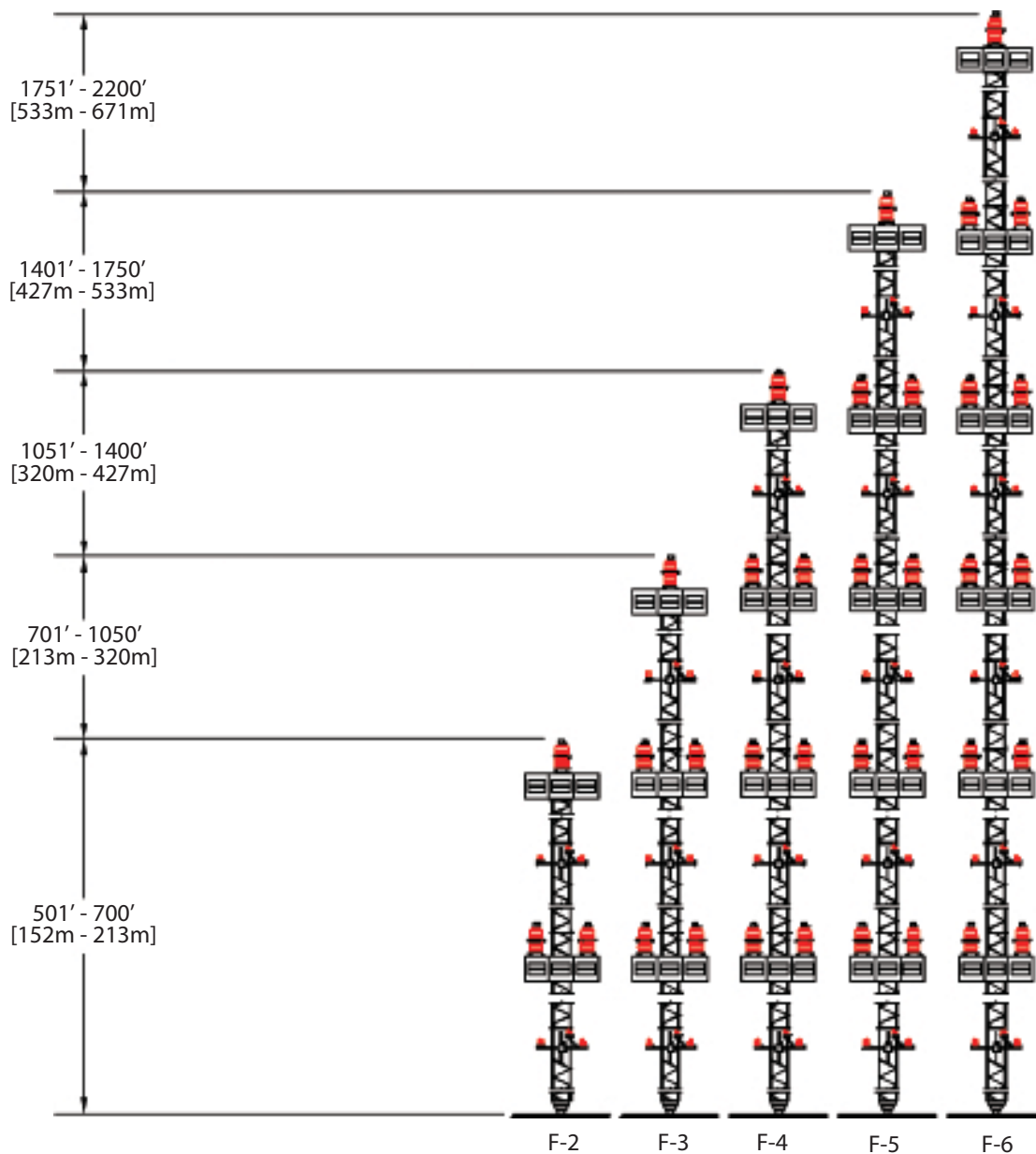


FAA STYLE "E" SERIES MEDIUM INTENSITY DUAL





FAA STYLE "F" SERIES DUAL HIGH INTENSITY



L-864 (Red Beacon)



L-810 (Obstruction Light)



L-856 (High Intensity Strobe)
3 Flashheads required per level
for 360° coverage

Day Protection = 200,000cd White Strobe
Twilight Protection = 20,000cd White Strobe
Night Protection = 2,000cd Red Beacon and Sidelights

ROHN CONSTRUCTION SERVICES





ROHN CONSTRUCTION SERVICES

ROHN's Construction Group has direct and immediate access to company management, engineering, production and shipment to provide you with the highest quality products and a wide range of services to help you complete your project. This direct and simple line of communication saves time and eliminates long distance contact between the manufacturer and installer. It enables us to answer questions internally before they have the chance to grow into costly delays.

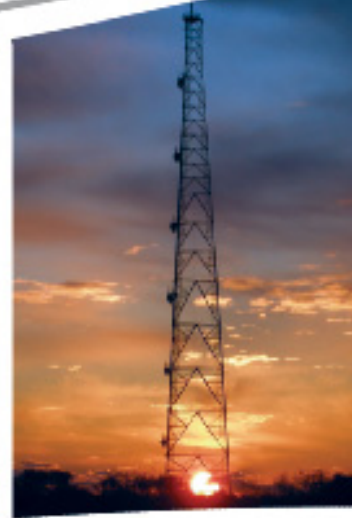
We employ professionals with the expertise required to provide you a full turnkey communication project. We understand your needs, and when your job becomes a ROHN Construction project, we assign a single staff member to take charge. This one point of contact provides you the answers from scope changes to shipping schedules. At any time, you can be assured of the updated status of all phases of your project without having to contact multiple manufacturers and contractors.

ROHN's Construction Group, in addition to our in-house staff, has a network of suppliers, consultants and contractors to provide:

- Certified Tower Design Drawings
- Zoning and Permitting Assistance
- Environmental Studies
- Geotechnical Services
- Site Preparation
- Civil Construction
- Tower Foundations
- Equipment Shelter Foundations
- Tower Erection
- Equipment Shelter Installation
- Provide and Install Antennas and Transmission Lines
- System Testing
- Security Fencing
- Maintenance and Inspection

With over 60 years experience, what company could be more qualified to provide single source turnkey installation services more quickly and efficiently than ROHN? Nobody knows the products and installation methods the way ROHN does. Rest assured, ROHN is there to fulfill all your requirements.

CONSIDERATIONS, RECOMMENDATIONS & SAFETY INFORMATION





CONSIDERATIONS IN ERECTING TOWERS & SIMILAR PRODUCTS

Your local municipality or development may have established height and building standards governing the use of towers and similar products. Height restrictions are found in zoning ordinances and private deed restrictions. Building standards may be found in local building codes. Complying with these requirements is usually easy and will help to provide many years of safe and trouble free operation of your installation.

Zoning ordinances, building codes and private deed restrictions are complex legal documents. If you question whether they apply to you, consult a local attorney. Five minutes spent in advance may save hours later.

Zoning ordinances, building codes and deed restrictions are local. If you move from city to city, these restrictions may change.

Zoning ordinances are concerned with the type of buildings or other structures you can erect in your neighborhood. In terms of towers and similar products, zoning laws will tell you if your property is zoned for such items, and if so, what height limitations, if any are involved.

Building codes are concerned with the safety of buildings or other structures permitted by local zoning ordinances. Building codes will tell you where on your property you can put the installation and the type of loading you will need to consider.

Both zoning and building codes are usually administered by the same governmental agency, often known as the Department of Building and Safety or the Zoning Board.

The following steps will help make sure you have a safe, legal installation.

1. Check with the local governmental agency. Ask whether your home is zoned for the type of product you wish to install.
2. Look at the actual zoning ordinances. Pay special attention to the definitions. Many zoning ordinances distinguish between "buildings" and "structures". Others distinguish between towers physically attached to the house, either by guy wires or mounting and towers that are not attached.
3. See if a building permit is required. If so, be sure to get one. They are usually quite inexpensive, often less than one percent of the cost of the tower. As part of the building permit, a local inspector will check and make sure that the base, guy wires, etc. meet local safety requirements. Properly manufactured commercially made towers are extremely safe and have a large safety margin, but only if you install them according to the directions! If a permit is required and not obtained, your home-owner's insurance may not insure the tower and you have given neighbors, who might object, a reason to require you to take the tower down.
4. In a limited number of cases, you may need either a zoning variance or a conditional use permit to erect a structure higher than the local zoning board requirements. If so, it is far easier to apply in advance than to put up the structure and apply later. Most local governments are quite cooperative if you apply in advance and follow their rules. Variance provisions are used to provide flexibility from dimensional regulations such as setback or height restrictions. Conditional use permits are used where towers or antennas are not otherwise allowed. A public hearing is usually required before such permits are issued.
5. In addition to local ordinances, real estate developers or homeowners' associations may impose their own requirements in a subdivision. These requirements are usually known as deed restrictions or Conditions, Covenants and Restrictions (CC&R).

If you are thinking of moving into a new area, ask for a copy of the deed restrictions in advance of signing an offer to purchase the property. If you already own a home, a local realtor, title insurance company or lawyer can obtain copies of the deed restrictions, if any, for you. Don't take the word of the realtor who may be wrong.

If there are no deed restrictions, you need only be concerned with local zoning and building codes. If there are deed restrictions, read them carefully. Look at the definitions. See if there are any restrictions on outside structures or if a local architectural control committee must pass on any additions or changes to your property.

Deed restrictions are legal documents. A local lawyer familiar with real estate law can read the restrictions in only a few minutes and advise you. Even if the deed restrictions prohibit or restrict the size of towers and similar products, they may be unenforceable if many of your neighbors have erected such products and no objections have been raised.

RECOMMENDATIONS FOR SPECIFYING COMMUNICATION STRUCTURES

The basic standard for the design of steel antenna supporting structures is ANSI/TIA-222-G. Prior to issuing a specification, the specifying authority must have a working familiarity with this standard and its requirements. The following information is presented as the basis for preparing a tower specification.

Location: The tower is to be installed at _____ (include site name, state and county).

Tower Requirements: The structure is to be guyed/self-support/pole (circle one) with a normal overall structural height of _____ feet. The tower is to be designed for a _____ mph wind speed as defined by ANSI/TIA-222-G.

Ice loading shall be considered at _____ inches per ANSI/TIA-222-G and _____ mph wind speed.

The tower shall be designed to accommodate the following antenna loads: (At this point, please list all antennas, their mounting elevations, and transmission line requirements, providing as specific detail as possible. This should include microwave antenna azimuths, if known, and frequencies.)

Owner shall define structure class, exposure and topographic category (see pages 14-16).

The structure should be oriented on the property with one leg at _____ degrees, true north. Provide orientation if there is a specific orientation required due to property restrictions or desired by the purchaser. (Does not apply to poles).

The following appurtenances shall be incorporated into design as required by ANSI/TIA-222-G. (Note which appurtenances are to be provided with the structure.)

1. Climbing Ladder
2. Safety Device
3. Rest/Working Platforms
4. Transmission Line Support Ladders/Brackets
5. Obstruction Warning Lights and/or Paint
6. Antenna Mounts
7. Ice Shields
8. Grounding Materials
9. Waveguide Bridge
10. Port Size / Location for Poles

ROHN recommends the following requirements be included in specifications for the benefit of the purchaser:

The vendor shall be a manufacturer, primarily and continuously involved in the design and production of communication towers for at least ten years.

In order to specifically define responsibilities, the vendor shall maintain in-house control over the design and fabricating functions. Subcontracting of these responsibilities will be cause for rejection of a vendor's proposal.

Each structural member shall be identified by a part number and all parts with the same part number must be interchangeable. This will result in tower sections capable of being installed in any 120 degree rotation. Match marking requirements of tower sections by the manufacturer, for proper assembly, shall not be acceptable.

Tower leg members shall utilize a 50 KSI minimum yield strength. Tubular leg members with flange splices shall maintain an open interior diameter through the flange plate at least as large as the inside diameter of the tube and shall be welded externally and internally. Flange leg connections shall utilize a minimum of four bolts per leg.

All fabricated tower members shall be hot-dip galvanized after fabrication per ASTM Standard A123. Hardware shall be galvanized per ASTM Standard A153 and B695. Other types of coatings are not acceptable.

Four sets of tower assembly drawings illustrating all component part numbers and their respective locations shall be provided. As a minimum, assembly drawing shall be accompanied by a letter sealed by a registered professional engineer licensed in the state in which construction is to be performed, certifying that the tower meets all design requirements per ANSI/TIA-222-G.

The tower manufacturer shall be an AISC Certified Fabricator and shall maintain the highest quality steel manufacturing standards for production. Only AWS Certified Welders shall be employed for tower fabrication. A fully qualified quality control department shall be employed with a quality control manual maintained to establish minimum acceptable fabrication standards, procedures and requirements for documentation.

With the use of ANSI/TIA-222-G and the procurement and user guidelines (Annex A), accompanied by the commentary noted above, a thorough specification can be developed.

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GUIDELINES FOR THE PREPARATION OF A GEOTECHNICAL REPORT

I. PURPOSE AND INTENT

- a) The intended purpose of these guidelines is to assist the customer and/or owner to retain the services of a Geotechnical Engineer.
- b) It is not ROHN's purpose or intent to supercede the Geotechnical Engineer's knowledge, judgement and/or experience. It is the Geotechnical Engineer's responsibility to add or delete from these items, based on local site conditions and other factors.
- c) Additional information is provided in ANSI/TIA-222-G Annex G "Geotechnical Investigations".

II. DISCLAIMER

- a) ROHN will not accept any liability, either expressed or implied, for the use of, and omissions in, these guidelines.

III. EXPLORATORY BORINGS

- a) Borings should be taken at tower legs for self-supporting towers and at the base and anchor points for guyed towers. For small self-supporting towers, two borings may suffice. For large self-supporting towers, one boring should be taken at each tower leg. A "small" self-supporting tower is assumed to have a face width less than 20 feet and a compression load less than 50 kips per leg. For pole structures, one boring may suffice.
- b) The minimum boring depth should be 30 feet for pole structures, self-supporting towers and guyed tower bases. For guyed tower anchors, the minimum depth should be 15 feet. The actual depth of boring must be determined by the Geotechnical Engineer based on reactions, soil conditions and the type of foundation recommended.
- c) If borings cannot be advanced to the desired depth, rock corings should be taken. Rock Quality Designation (RQD) values and compressive strengths should be determined.

IV. GEOTECHNICAL REPORT

- a) The following properties, for each soil layer encountered, should be determined by field or laboratory testing and summarized in the geotechnical report:
 - 1. Soil classification and elevations
 - 2. Standard penetration values
 - 3. Unconfined compression strength
 - 4. Angle of internal friction
 - 5. Cohesion
 - 6. "In-Situ" soil density and moisture content
 - 7. Rock quality designation (RQD) and percent rock sample recovered
 - 8. Other properties unique to site conditions
- b) The following items should be discussed in the geotechnical report:
 - 1. Geological description of site
 - 2. Observed and expected ground water conditions
 - 3. Expected frost penetration depth
 - 4. Corrosion potential of soil and corrosion protection recommendations
 - 5. Site access and potential construction difficulties
 - 6. Dewatering or site drainage requirements
 - 7. Backfill material recommendations
 - 8. Settlement considerations
 - 9. Additional information to aid foundation designer
 - 10. Recommended types of foundations
 - 11. Design parameters for uplift, download and lateral load
 - 12. Factor of safety considered when allowable vs. ultimate design parameters are provided
 - 13. Recommended construction techniques and inspections

SAFETY INFORMATION

This information may save you from death or injury. Do not attempt to install or dismantle any ROHN products until you have read and understood the information in this document.

Do not attempt to install or dismantle ROHN products near any type of power line. Should your installation come into contact with power lines, you can be killed! Be sure your installation is out of falling distance of any overhead wires – including the lead to any building. Read all instructions carefully before you begin, or better yet, call a professional – it may save your life.



ROHN's ACWS sign must be attached to all poles, towers, guyed mast bases in a location which is conspicuous and readable from the ground so that all personnel are notified and warned. Aluminum wire is furnished for attaching signs. ROHN recommends you check frequently to make sure the sign has not been removed. These 6" x 9" signs may be ordered, specify part number ACWS.

Tower Erectors – Please see that these signs are attached per the instructions above before leaving the site.

Guyed and bracketed towers are not self-supporting at any height. When installing or dismantling a guyed tower always consult your local tower installer. The condition of a used tower is difficult to determine and in the process of dismantling you could be killed or injured. Dismantling and installation may require the use of temporary steel guys.

General Information & Precautions

ROHN field technicians, warning labels, catalogs, guy charts, etc. are available from ROHN. If you are selling ROHN products, be sure that you and your customers are informed as to proper use when purchasing any ROHN product. All towers, masts and poles should be installed or dismantled by experienced and trained personnel.

Mixing of Products

The mixing of so-called interchangeable copies of ROHN products with ROHN products is dangerous and voids all engineering or warranty data supplied by ROHN. Materials used by the so-called copies are not the same quality and have not been tested or engineered by ROHN.

Who should install or Dismantle ROHN Products?

Installing, dismantling and rigging ROHN products requires specialized skills and experience. Information supplied by ROHN assumes that all products will be installed or dismantled by personnel having these skills and having worked with similar products before. No one should attempt to install or dismantle ROHN products without these skills and experience. ROHN assumes no liability if faulty or dangerous practices are used. There are available trained and experienced personnel to assist in installation, maintenance, and disassembly. Contact your local installer if consultation or assistance is required.

What about used material?

ROHN does not recommend or warrant in any way the use of used materials. The use of used materials voids all warranties set forth by ROHN because no one knows if the used material has been misused, overloaded, or damaged. If, for some reason, materials are re-used, all new, galvanized, high strength bolt assemblies must be used.

General Precautions

Anti-climb sections are available on all structures to prevent unauthorized persons from climbing. Installation and dismantling may require the use of temporary steel guys. All installations must be grounded per local and national codes. All types of installations must be thoroughly inspected by qualified personnel and re-marked with hazard and warning labels at least twice a year to ensure safety and proper performance. ROHN makes available many items, which may or may not be required for your particular installation. Some items available in various types and sizes are: safety climbing devices, ladders, safety cages, anti-climb devices, work platforms, F.A.A. painting and lighting, grounding, and fencing. Special product services and special packaging are also available. Based on local, state, or federal laws and building codes for your area, it may be necessary for your particular installation to have special items or be given special consideration. If there are any special requirements for your particular installation, be sure to include them in your request for quotation and on your order form. ROHN cannot be responsible for any omission at any time.



SAFETY INFORMATION

About OSHA

In accordance with the Occupational Safety and Health Act regulations, parts are available incorporating features, which will permit a safe product. It is a policy of ROHN Products to design and make our products safe to use without hazards to people and/or property. We ask that you list specific requirements you wish us to comply with in accordance with the intended use of a product. These requirements may or may not affect the price of the materials and equipment under consideration for purchase. We would be happy to answer any additional questions you may have.

About Step Bolts

Structures may or may not include step bolts. Step bolts are supplied as a convenience during construction. Step bolts are intended to be climbed by professional Competent Climbers only. 100% Fall protection is required at all times. Climber safety devices are required on all structures 10 ft. or greater in height. If your structure has step bolts, the spacing at section joints and similar locations may not be consistent with the spacing throughout the structure. Flange plates, guys, attachments to legs, appurtenances, etc. may be an obstruction to continuous climbing. Climbing step bolts is dangerous and can cause serious injury or death. Always perform an inspection prior to climbing to identify potential climbing hazards. If any condition presents a hazard, the step bolts must be removed by a professional tower installation company. ROHN will not be responsible for the use of step bolts. If you wish to use step bolts, the responsibility for their use will be totally yours or your customers.

Installation & Dismantling Safety Instructions

Each year people are killed, mutilated, or receive severe permanent injuries when attempting to install or dismantle towers, poles, and other structures. In many of these cases, the victim was aware of the dangers of electrocution but did not take adequate steps to avoid the hazard. Good practice is to install your products away from power lines and obstructions. Your dealer carries a complete line of installation and grounding hardware. For your safety and to help you achieve a safe installation, please read and follow the safety precautions below. They may save your life! Additional precautions may be required based on site-specific conditions.

1. If you are not experienced in installing or dismantling, please, for your own safety as well as others, seek professional assistance. Consult your dealer.
2. Select your installation site with safety, as well as performance, in mind. REMEMBER: Power lines and phone lines look alike. For your safety, assume that any overhead lines can kill you.
3. Call your power company. Tell them your plans and ask them to look at your site. This is little inconvenience, considering your life is at stake.
4. Before you begin, plan your installation or dismantling procedure carefully. Successful installation or dismantling is largely a matter of coordination. Each person should be assigned to a specific task and should know what to do and when to do it. One person should be designated as the "boss" to call out instructions and watch for signs of trouble.
5. When installing or dismantling, REMEMBER: Do not use a metal ladder. Do not work on a wet or windy day or if a thunderstorm is approaching. Do dress properly – shoes with rubber soles and heels, rubber gloves, long sleeve shirt or jacket, and a hard hat and safety glasses.
6. If the assembly starts to drop, get away from it and let it fall. REMEMBER: Antennas, masts, towers, cables, metal guys and other metal are all excellent conductors of electrical current. Even the slightest touch of any of these parts to a power line completes an electrical path through the installer!
7. If any part of the assembly should contact a power line – Don't touch it or try to remove it yourself. Call your local power company. They will remove it safely.
8. If an electrical accident should occur – don't grab hold of the person in contact with the power line or you too may be electrocuted. Use a dry board, stick or rope to push or pull the victim away. Have someone call for medical help.

1. All quotation, proposals, prices, or other terms are made for acceptance within 30 days (after 30 days, prices in effect at time of shipment will apply) and shipment within 30 days of purchase order date, unless otherwise stated. They are subject to change without notice; however, ROHN invites your request for an extension. They are also subject to Credit and Marketing Department approval prior to acceptance. No other price protection is available.

2. Every effort will be made to maintain shipping schedules, either on ROHN equipment or via common carrier. ROHN cannot be responsible for delays in shipping caused by state or local agencies with regard to permits, routing, weather, detours, etc. All deliveries and schedules are contingent on availability of raw materials, fuel, and transportation. ROHN will not be liable for damages on account of any delays or abnormalities caused in shipping due to causes beyond our reasonable control. ROHN reserves the right to make partial shipments and to submit invoices accordingly.

3. Changes or modifications to orders can be made only by written agreement executed by all parties affected thereby, which agreement shall include any price modification.

4. ROHN's responsibility ceases upon delivery of all shipments to the carrier. The unloading of all shipments is the responsibility of the Buyer, not the carrier or ROHN. Buyer is warned against receipting for merchandises until careful inspection has been made. Any claim made against ROHN must be made within 90 days after receipt of merchandise. All merchandise leaving ROHN's factory has been carefully inspected and ROHN does not assume responsibility for damages or shortages which occur in transit. Buyer must make all claims and report all damages and losses to the delivering transportation company.

5. No federal, state, or local taxes are included in quoted prices. All quotations, proposals, prices, or other terms are subject to increase without notification by the amount of any sales, excise, or other tax levied or charged to seller by any governmental agency and any such tax will be passed onto purchaser as a tax or as an addition to the selling price. This also applies to all costs incurred due to local statutes or governmental regulations.

6. Orders are not subject to cancellation by Buyer except by written agreement with seller. Any order canceled, after any work has been done by ROHN, such as drawings, production, etc., will have a cancellation charge, to be determined solely at the discretion of ROHN for whatever work has been performed with a minimum of 25% of the purchase order price. If Buyer so chooses, he shall have the right to receive the material already performed at time of cancellation at the quoted price. If an order is canceled before any work has been done by ROHN, a \$200 cancellation charge will apply.

7. Material received may not be returned by Buyer except by written agreement with seller. In all cases, permission must be secured from ROHN prior to the returning of any goods for credit. All returned goods are subject to a minimum service charge of 25%, plus all transportation charges, and are subject to inspection by ROHN. Returned goods will be offered and paid for only upon proof of purchase (i.e. invoice no.) and credit will be issued against invoice value. ROHN reserves the sole right to determine amount of credit to be issued on all goods returned for credit. Only standard, currently manufactured ROHN products may be considered for return and credit. Unsaleable products will be scrapped and no credit will be received. If returned goods are determined to have no value and Buyer wishes them returned, the Buyer will be charged return freight. Safety equipment, erection equipment, insulators, transformers, nuts and bolts are not returnable.

8. ROHN warrants the commercial items of its manufacture only, to be reasonably fit for the purpose for which they are manufactured and sold, provided, however, that this warranty shall be effective only if purchaser installs all material according to ROHN's recommendations and specifications and that purchaser during the warranty period shall regularly, not less than semi-annually, inspect and properly maintain all items. Any item found unfit for its purpose within 12 months from date of delivery will be repaired or replaced free of charge, F.O.B. ROHN's plant. ROHN shall be immediately notified in writing of such unfitness. ROHN reserves the sole right to determine if any material is to be repaired or replaced free of charge or to be supplied at ROHN's standard prices. Such obligation shall be limited to parts returned for inspection, properly packed and expenses prepaid, and providing inspection shall satisfactorily indicate defects. The warranty herein made is in lieu of all other warranties and, except as expressly stated herein, ROHN does not make and there are no warranties or obligations of any kind or nature whatsoever either expressed or implied including, but not restricted to, warranty or obligations as to product, material, workmanship, or manufacture or as to the use of the items covered hereby. ROHN shall not under any circumstances be liable to third persons for any claims for damages including direct, special, indirect, or consequential damages for any reason. The Buyer agrees to indemnify and to hold ROHN harmless for, of, and from any loss, claims, damages, expenses and attorney's fees, including but not limited to, any fines, penalties and corrective measures ROHN may sustain by reason of Buyer's failure to comply with said laws, rules, and regulations in connection with the performance of this sale. The above warranty warranted applies only to items manufactured by ROHN. Items not manufactured by ROHN are guaranteed only to the extent and in the manner warranted and guaranteed to ROHN by the manufacturer of

such items and then only to the extent ROHN is liable to enforce such warranty or guarantee. ROHN will assume no responsibility for the adequacy of any product if material is used which is not totally supplied by ROHN. The above sets forth the only warranty made by ROHN in connection with items manufactured or sold by it, and any provisions in any proposals, specifications, advertising, or other provisions hereof, are merely descriptive and are not to be construed as warranties made by ROHN. All warranties are void on drawings made by others, whether by a professional engineer, sealed or not, that are not rechecked by ROHN and approved by ROHN. ROHN assumes no liability for the adequacy of the drawings or the product. Without limiting the generality of the foregoing, the Buyer hereby indemnifies ROHN and hold ROHN harmless from any and all claims and/or damages (including direct, special, indirect or consequential damages, attorneys' fees and costs) relating to or arising out of any highway structure or component not designed by ROHN. ROHN hereby disclaims any and all warranties, including express or implied warranties of merchantability and fitness for any particular purpose, relating to or arising out of metal fatigue.

9. ROHN reserves the right to change or modify the product and construction of any product manufactured by ROHN and to substitute material equal to or superior to that originally specified.

10. Buyer agrees not to disclose or make available to any third party processes, drawings, specifications, reports, photographs, data and other technical or proprietary information relating to ROHN products without obtaining prior written consent of ROHN.

11. No proposal, order, quotation, or acceptance may be changed or varied by verbal agreement, and all orders are accepted only under the provisions set forth herein.

12. Purchase orders and requests for quotations must be submitted in writing to ROHN. It is the responsibility of the Buyer or Buyer Representative to provide ROHN design criteria (environmental loads, equipment loads, operational limitations, geotechnical information, etc.) based on site-specific data. In designing the product for the Buyer, ROHN is relying solely and entirely on design criteria provided by the Buyer to ROHN. Without limiting the generality of the indemnities in these Terms & Conditions, the Buyer hereby indemnifies ROHN and holds ROHN harmless from and against any and all claims and/or damages (including direct, special, indirect or consequential damages, attorneys' fees and costs) relating to or arising out of any inaccuracy or incompleteness in design criteria provided to ROHN by the Buyer, and the Buyer waives all claims against ROHN for same.

13. If outside source inspection, assembly, etc. is required prior to shipment of an order, \$50.00 per man hour (plus equipment time, if applicable) is chargeable, with \$300.00 as a minimum.

14. Any welding inspection required by Buyer or Buyer's specifications must be done at ROHN's plant prior to packing and shipment of material from ROHN's plant.

15. A minimum charge of \$25.00 will be billed for special handling and preparation of material for air shipments.

16. ROHN reserves the right to apply all remittances and credit memos to the oldest outstanding balance in your account. No credits will be issued for any reason against a purchase order whose billing is more than 90 days old. Buyer corrections or complaints must be made within this period of time.

17. Standard catalog prices do not include special drawings or product evaluations. If any are required, there will be a charge.

18. ROHN at all times reserves the right to take pictures of any or all of its products after installation for advertising purposes, except those which are under classified governmental control.

19. The Buyer will be responsible for any extra charges incurred on prepaid shipments.

20. A service charge not to exceed 2% per month or maximum allowable per State law will be billed on all accounts not paid within 30 days of invoice date.

21. Minimum total net worth of merchandise which can be ordered is \$100.00. Any orders placed for less will be billed at \$100.00.

22. Storage charges will be .02% of invoice amount per day with a minimum charge of \$8.00 a day. These charges will be invoiced on a monthly basis for material requested to be withheld from shipment starting 30 days from the initial notification from ROHN, that the material was available for shipment.

23. All CIA requirements must be met with certified checks or money orders to insure prompt shipment.

24. All expenses incurred by ROHN during any collection effort shall be charged to the Buyer.

25. There will be a minimum of a \$100 fee per truck or container, for ROHN to receive, handle and pack for reshipment, any material not purchased through ROHN, but drop shipped to ROHN for shipment with a ROHN structure. This includes light kits, platforms, mounts, rigging equipment, etc. that is provided by others. There will be a minimum \$250 per truck or container for those drop shipped items that must be handled with ROHN forklifts or other mechanical device.



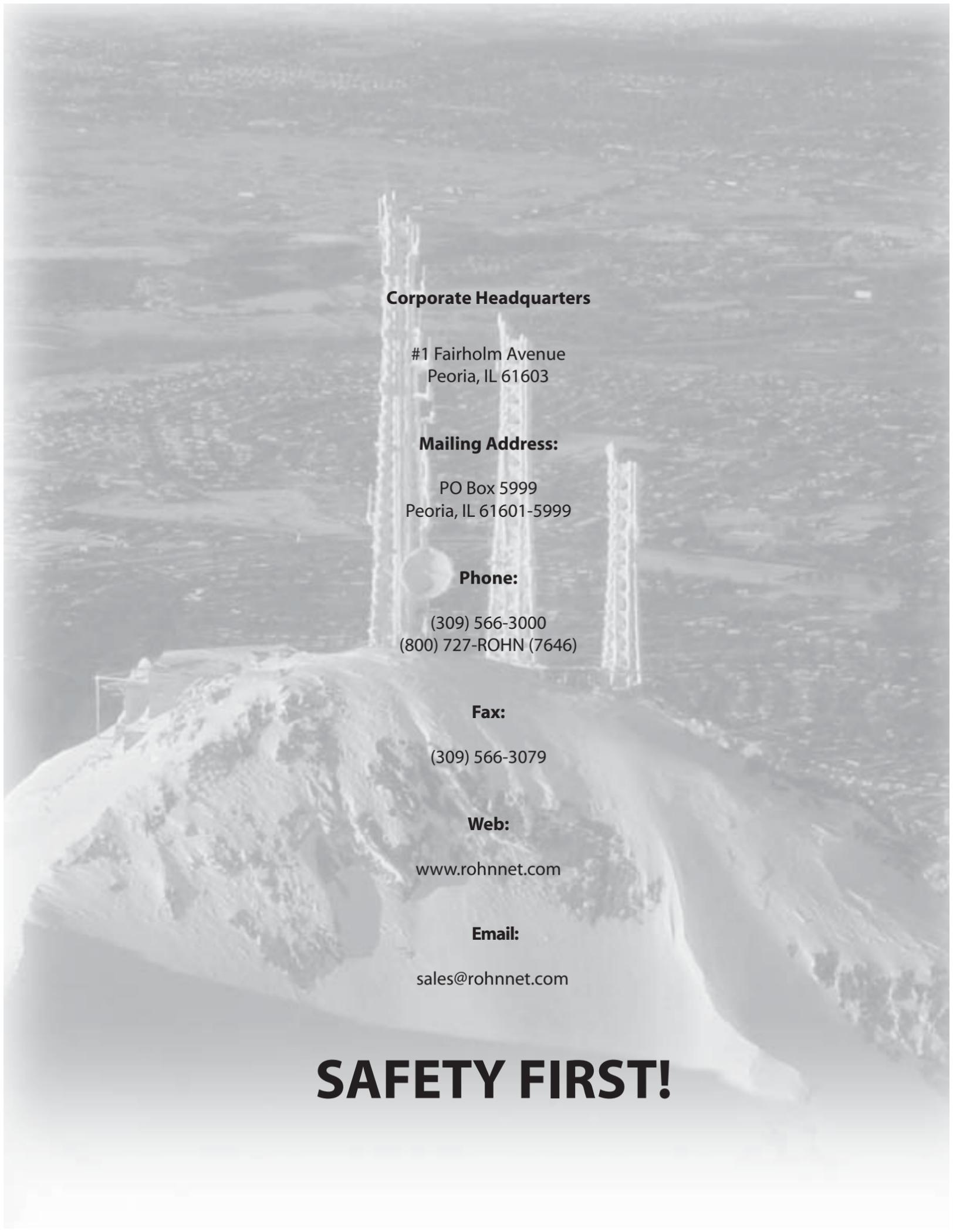
The information contained in this catalog does not purport to cover all details or variations in equipment nor provide for every possible contingency to be met in connection with installation, operation or maintenance. ROHN assumes no obligation to revise any of the information contained in this catalog if changes are made in criteria or evaluation techniques at a later date. Should particular situations arise which are not covered sufficiently herein for the purchasers' purposes, the matter should be deferred to ROHN.

All towers, poles and masts must be installed and dismantled by experienced and trained personnel.

All installations must be thoroughly inspected by qualified personnel and remarked as required with hazard and warning labels at least twice a year to ensure safety and proper performance.

All installations must be grounded per local and national codes.

The mixing of so-called interchangeable copies of ROHN products is dangerous and voids all data or warranty supplied by ROHN. Materials used by others are not the same quality and have not been tested or checked by ROHN to conform to the same quality standards. Mixing of non-ROHN items may endanger lives and cause serious failures and financial misfortune for all concerned.



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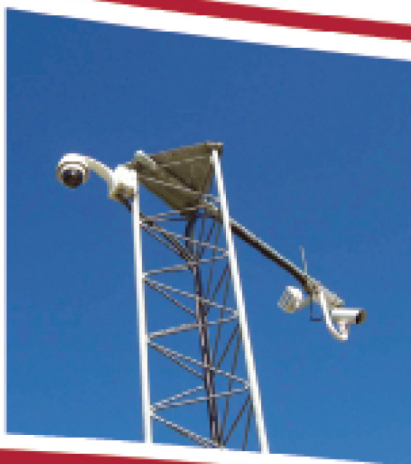
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SAFETY FIRST!



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