

Rosenberger®



Rosenberger Site Solutions, LLC

Lightweight Tower Catalog

Rohn 25G Guyed Tower



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. The 25G tower can be used in guyed, self-supporting or bracketed configurations according to specifications in the ROHN catalog. As a guyed structure, the 25G can rise to a maximum of 190 feet. Self supporting and bracketed heights depend on loading and are also specified in the ROHN catalog.

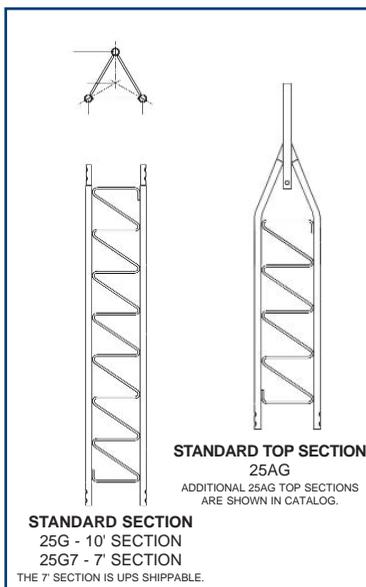
Features

- Completely Hot Dip Galvanized after fabrication
- Accessories for 20G are same as the 25G and completely interchangeable
- Built on 12 1/2" equilateral triangle design
- High strength tubular legs joined by Zig-Zag® cross members
- Each 10' section contains all required nuts and bolts inside one leg
- Entirely welded and fabricated with precision equipment
- Extra heavy-duty 1 1/4" steel tubing side rails
- Continuous solid steel rod bracing



Parts & Accessories

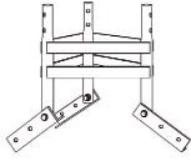
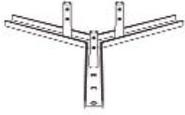
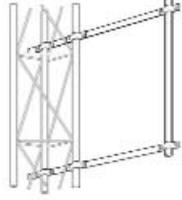
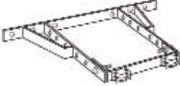
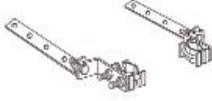
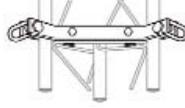
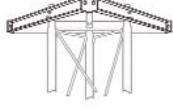
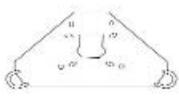
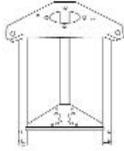
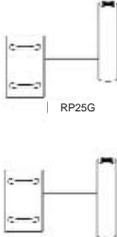
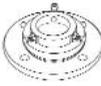
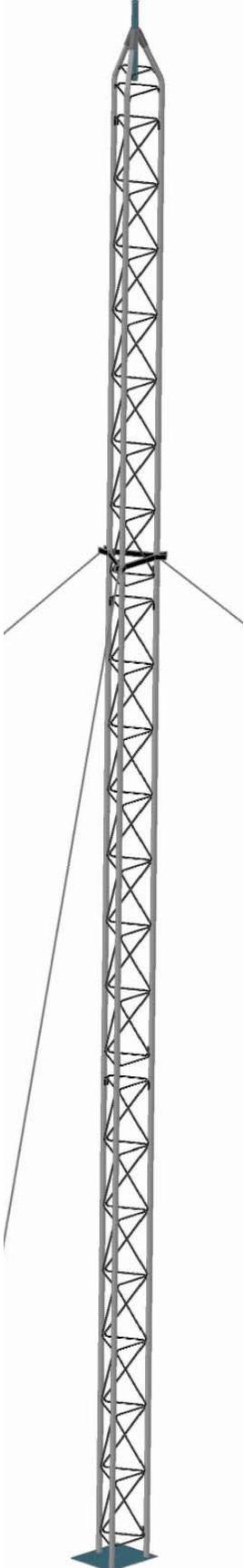
*PART PREFIX: RS, RS-R



<p>TOP SECTION 25AG1</p>	<p>TOP SECTION 25AG2</p>	<p>TOP SECTION 25AG3</p>	<p>TOP SECTION 25AG4</p>
<p>TOP SECTION 25AG5</p>	<p>BEARING PLATE BPL25G</p> <p>LONG LEGS PROVIDE EXTRA CLEARANCE FOR INSTALLATION OF EQUIPMENT. BOLTS TO TOP OF STANDARD SECTION. DRILLED TO ACCEPT TB3 OR TB4 THRUST BEARING.</p>	<p>ASSEMBLY PLATE/ TOP BEACON PLATE APL25G</p> <p>FOR MOUNTING BEACON. BOLTS TO TOP OR STANDARD SECTION.</p>	<p>3' 4" SHORT BASE 5B25G 5' SHORT BASE SB25G5 3' 4" HINGED SHORT BASE SBH25G</p> <p>HINGED CONNECTION TO BOTTOM. THESE BASE SECTIONS FOR EMBEDDING IN CONCRETE.</p>
<p>CONCRETE BASE PLATE BPC25G</p> <p>FOR USE WITH PIER PIN EMBEDDED IN CONCRETE. PIER PIN 3/4x12PP MUST BE ORDERED SEPARATELY.</p>	<p>HINGED BASE PLATE BPH25G</p> <p>BOLTS TO CONCRETE. HINGED TO ALLOW TOWER TO BE ROTATED UP FROM BASE DURING INSTALLATION. BASE BOLTS 1/2x12PP MUST BE ORDERED SEPARATELY</p>	<p>SINGLE DRIVE-IN BASE SDB25G</p> <p>TO BE DRIVEN DIRECTLY INTO GROUND.</p>	<p>TAPERED BASE 25TGA*</p> <p>CAN BE USED WITH RACAL DECCA A4197L BASE INSULATOR OR WITH 3/4x12PP</p>

Rohn 25G Guyed Tower

*PART PREFIX: RS, RS-R

 <p>PEAK ROOF MOUNT PR25G* ADJUSTABLE HINGED FEET CONFORM TO NEARLY ANY ROOF PITCH. BOLTS TO ROOF SURFACE.</p>	 <p>FLAT ROOF MOUNT FR25G* BOLTS DIRECTLY TO FLAT ROOF SURFACE.</p>	 <p>SIDE ARM MOUNT UHF25G FOR UHF AND FM ANTENNAS.</p>	 <p>SIDE ARM BRACKET SA253UA MOUNTING TUBE PROVIDED IS 3' LONG, 2-1/4" O.D.</p>	 <p>TOP MOUNT 25TDNKD - NO PIPE 25TDM253KD - 2" X 7" PIPE 25TDM25S3KD - 2 1/2" X 7" PIPE 25TDM3D3KD - 3" X 7" PIPE 25TDM35D3KD - 3 1/2" X 7" PIPE TOP PLATE INCLUDES BUILT IN GUY LUG. BOLTS TO SWAGED TOP OF STANDARD SECTION. LOWER PLATE CONNECTS WITH U-BOLTS. SET SCREWS SECURE MOUNTING PIPE.</p>
 <p>FACE MOUNT DM25G2 MOUNTING PIPE INCLUDED IS 5' LONG 2" STD.</p>	 <p>ADJUSTABLE HOUSE BRACKET HB25AG 0-15" HB25BG 0-24" HB25CG 0-36"</p>	 <p>HEAVY DUTY UNIVERSAL HOUSE BRACKET HBTUVRO ADJUSTABLE TO POSITION TOWER 18" - 36" FROM WALL.</p>	 <p>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.</p>	 <p>GUY BRACKET GA25GD MOUNTS TO ANY TOWER AT ANY HORIZONTAL BRACE. TORQUE BARS TB25D OPTIONAL. FOR USE WITH GA25GD (NOT SHOWN).</p>
 <p>ANTI CLIMB PANELS 25ACL3 THREE ANTI CLIMB PANELS TO BOLT TO EXISTING STANDARD TOWER SECTION.</p>	 <p>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.</p>	 <p>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.</p>	 <p>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.</p>	 <p>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.</p>
 <p>ACCESSORY SHELF AS25G FOR MOUNTING MANY POPULAR ROTORS. FIELD DRILLING MAY BE NECESSARY FOR SOME ROTORS.</p>	 <p>BEARING/ACCESSORY SHELF BAS25G DRILLING TO ACCEPT THRUST BEARING ON TOP PLATE. ACCESSORY SHELF DRILLED FOR MOUNTING MANY POPULAR ROTORS.</p>	 <p>ROTOR POST RP25G RP25G CM</p>	 <p>THRUST BEARING TB3-SUPPORTS UP TO 2" OD MAST TB3-SUPPORTS UP TO 3" OD MAST MOUNTS TO BAS25G OR BLP25G.</p>	 <p>TOWER BUSHING TB50 - 1-1/4" ID X 2" OD TB75 - 1-1/2" ID X 2" OD FOR USE ON 25AG TOP SECTION. REFER TO PAGE 2.</p>
 <p>SAFETY RING SR245 SNAPS INTO PLACE AT ANY LEVEL. NO BOLTS REQUIRED.</p>	 <p>WORK PLATFORM WP25G SNAPS INTO PLACE AT ANY LEVEL. NO BOLTS REQUIRED.</p>			



Rohn 45G Guyed Tower



The 45G is a true multi-use structure that provides excellent strength for applications up to 300 feet. It's offered with either heavy steel tube or solid steel rod legs to satisfy a wide variety of needs under varied conditions. When properly installed, the standard tower will support loads as shown on various guyed and self-supporting information sheets in the ROHN catalog.

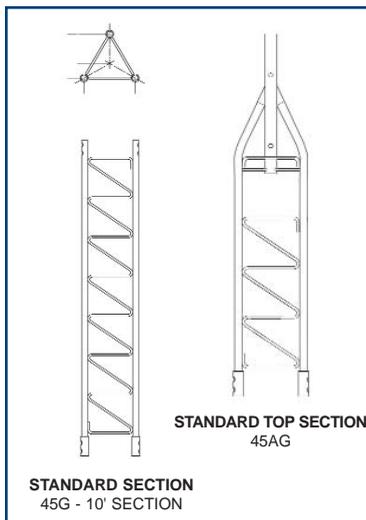
Features

- Completely Hot Dip Galvanized after fabrication
- Heavy steel tube or solid steel rod side rails
- Built on 18" equilateral triangle design
- Utilizes 1 1/4" outside diameter, 14 gauge, special quality steel tubing or solid steel rod legs
- Zig-Zag® cross bracing is formed from a continuous 7/16" solid steel rod electrically welded every 15 3/4" on the side rails
- Each 10' sleeve is joined to the other and double bolted for extra strength

Parts & Accessories



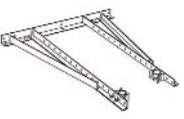
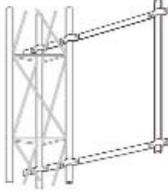
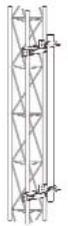
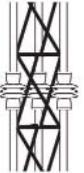
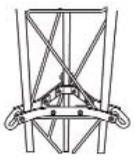
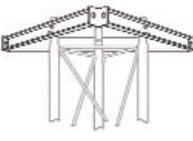
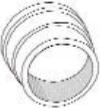
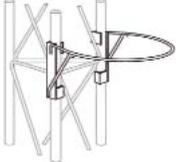
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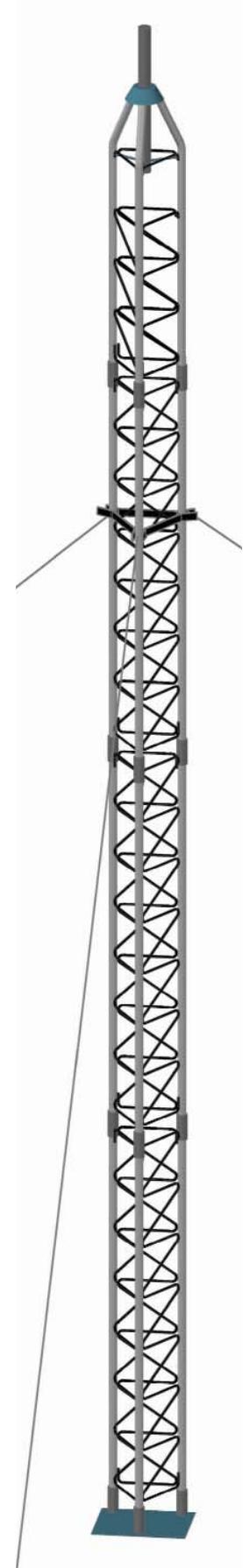


<p>TOP SECTION 45AG1</p>	<p>TOP SECTION 45AG2</p>	<p>TOP SECTION 45AG3</p>	<p>TOP SECTION 45AG4</p>
<p>TOP SECTION 45AG5</p>	<p>BEARING PLATE BPL45G CONVERTS STANDARD SECTION TO A TOP SECTION. SHOWN WITH TB3 (2" OD) THRUST BEARING. TB4 (3" OD) THRUST BEARING ALSO AVAILABLE.</p>	<p>BEACON PLATE APL45G FOR MOUNTING BEACON. BOLTS TO TOP OR STANDARD SECTION.</p>	<p>ACCESSORY SHELF AS455G FOR MOUNTING MANY POPULAR ROTORS. FIELD DRILLING MAY BE NECESSARY FOR SOME ROTORS.</p>
<p>AMATEUR BEARING AB FOR US WITH 45AG4 TOP SECTION AND BPL45G</p>	<p>CONCRETE BASE PLATE BPC45G* FOR USE WITH PIER PIN EMBEDDED IN CONCRETE.</p>	<p>5' SHORT BASE SB45G THESE BASE SECTIONS FOR EMBEDMENT IN CONCRETE.</p>	<p>FLAT ROOF MOUNT FR45G* BOLTS DIRECTLY TO FLAT ROOF SURFACE</p>

Rohn 45G Guyed Tower

*PART PREFIX: RS, RS-R

 <p>HEAVY DUTY UNIVERSAL HOUSE BRACKET HBU-6" - 30" HBUTVRO ADJUSTABLE TO POSITION TOWER 18" - 36" FROM WALL.</p>	 <p>SIDE ARM BRACKET SA253UA MOUNTING PROVIDED IS 3' LONG 2-1/4" OD.</p>	 <p>FACE MOUNT DM45G2-2-3/8" OD, 5' LONG DM454-4-1/2" OD PIPE, 5' LONG</p>	 <p>INSULATOR SECTION 45RG*</p>	 <p>GUY BRACKET GA45GD MOUNTS TO ANY TOWER AT ANY HORIZONTAL BRACE.</p> <p>TORQUE BARS TB45D REQUIRES THREE 3/8S SHACKLES FOR INSTALLATION (NOT SHOWN)</p>
 <p>TORQUE ARM STABILIZER ASSEMBLY TA45 SHOWN WITH 45TDM TOP DISH MOUNT</p>	 <p>TOWER BUSHING TB50 - 1-1/4" ID X 2" OD TB75 - 1-1/2" ID X 2" OD FOR USE ON 45AG TOP SECTION. REFER TO PAGE 4.</p>	 <p>ANTI CLIMB PANELS 455ACL3 BOLT ON SHEETS TO PROVIDE ANTI-CLIMB PROTECTION.</p>	 <p>SAFETY RING SR245 SNAPS INTO PLACE AT ANY LEVEL. NO BOLTS REQUIRED.</p>	 <p>WORK PLATFORM WP45G SNAPS INTO PLACE AT ANY LEVEL. NO BOLTS REQUIRED.</p>
 <p>ERECTION FIXTURE EF2545 0 2 1/2" SHEAVE WITH 3/8" ID GROOVE NOTE: ERECTION FIXTURES ARE FOR LIFTING ONE 10' SECTION AT A TIME AND ARE NOT INTENDED FOR THE LIFTING OF PERSONNEL.</p>				



Rohn 55G Guyed Tower



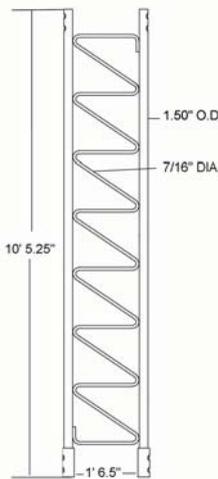
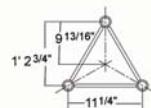
Because of its rugged design, the 55G lends itself to a wide variety of used in the communications field, particularly where unusual wind loading and height requirements exist. The 55G was designed to provide excellent strength in heights up to 400 feet. When properly installed, the standard tower will support loads as shown on various guyed and self-supporting information sheets in the ROHN catalog.

Features

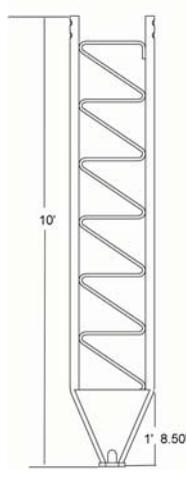
- Completely Hot Dip Galvanized after fabrication
- Heavy steel tube or solid steel rod side rails
- Built on 18" equilateral triangle design
- Utilizes high strength steel tubing side rails
- Zig-Zag® cross bracing is formed from a continuous 7/16" solid steel rod electrically welded every 15 3/4" on the side rails
- Each 10' sleeve is joined to the other and double bolted for extra strength
- Adaptable to varying heights and loading requirements

Parts & Accessories

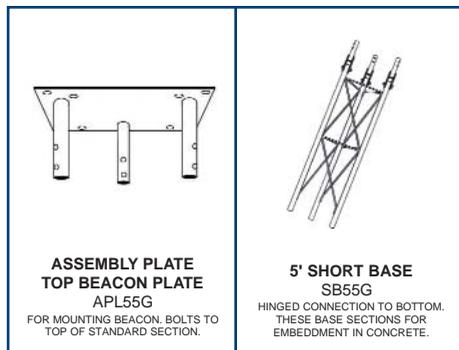
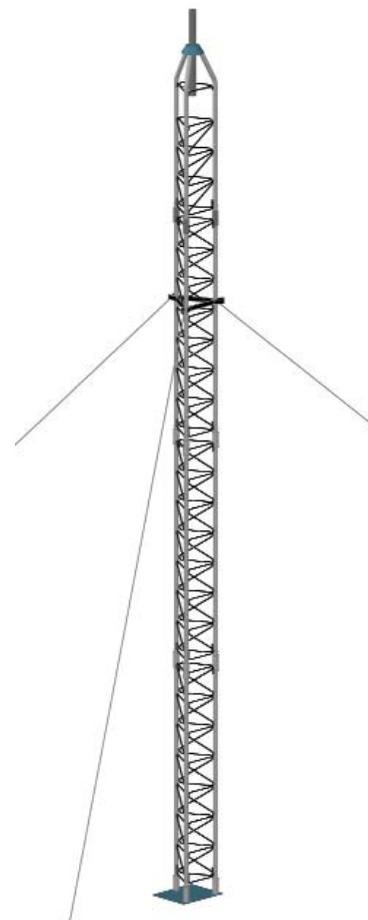
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STANDARD SECTION
55G - 10' SECTION



TAPERED BASE SECTION
55TG



Rohn SSV Towers

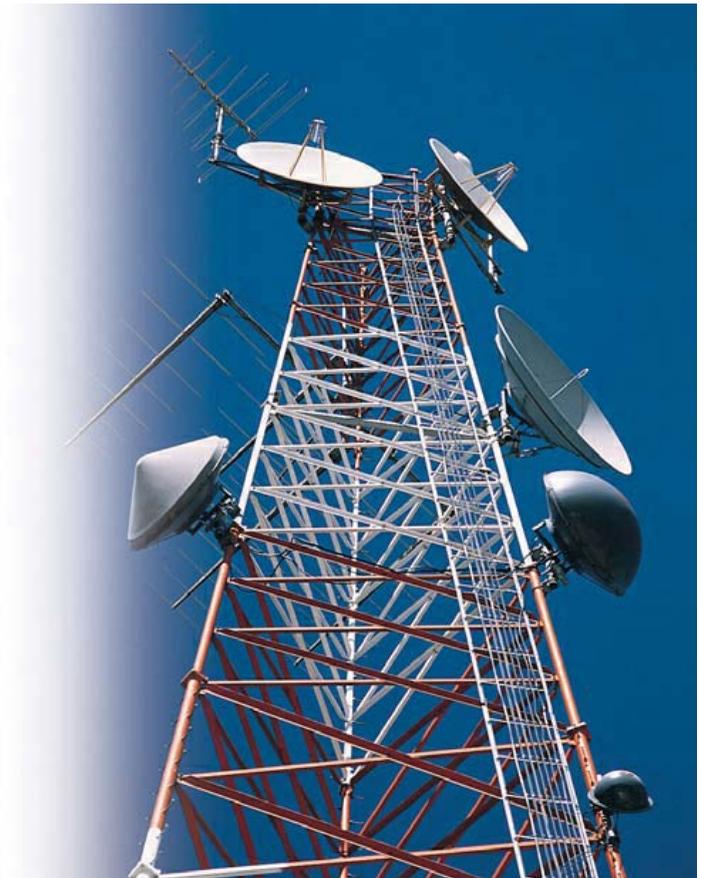


Time Tested Strength and Design

The ROHN SSV Series of Self Supporting Towers provide an excellent strength to cost ratio proven by years of use. In production over 20 years, the SSV has evolved into a highly efficient and wide ranging system of custom towers produced from pre-engineered sections.

Worldwide Multiple Uses

SSV towers are in use Worldwide for two way communications, microwave, cellular, PCS, public safety, broadcast, STL, surveillance camera mounts, solar power stations, weather stations and even high level lighting of sports stadiums.



Provide the Following for a Quote:

- Tower Height
- Tower Location/County
- Antenna Model or Loads
- Antenna Heights



Sabre 1200 TLWD Guyed Tower



TOWER PROFILE

EPA LOAD RANGE (SQ. FT.)	AVAILABLE UPON REQUEST
LOAD LOCATION	TOP
MAXIMUM HEIGHT	250'
MINIMUM HEIGHT	40'
STANDARD 10' SECTION WEIGHT (LBS.) (GALV.)	81.10
MAXIMUM # OF LINES ON A FACE	1- 7/8" LINE PER FACE (3 - TOTAL)
GUY STRAND SIZE	3/16", 1/4" EHS
LEG SIZE	1.315" OD
LEG TYPE	TUBULAR
LEG CONNECTION	THREE HOLE BOLTED FLANGE
BRACING SIZE	3/8"
BRACING TYPE	SOLID SERPENTINE
BRACE CONNECTION	WELDED
ENGINEERING	PRE-ENGINEERED
CLIMBING APPLICATION	INCORPORATED INTO TOWER FACE
TYPE OF LINE SUPPORT	N/A - ATTACH DIRECTLY TO BRACING MEMBERS
SECTOR MOUNT COMPATIBLE	NO
PLATFORM COMPATIBLE	NO
MAXIMUM SIDEARM LENGTH	3' MAX

NOTES:

- 1) EPA IS THE ACTUAL AREA "SEEN BY THE WIND" OF AN APPURTENANCE (ANTENNA, MOUNT, ETC.) MULTIPLIED BY A FORCE COEFFICIENT. IT IS NOT NECESSARILY THE VALUE PUBLISHED BY THE APPURTENANCE MANUFACTURER. FOR FURTHER EXPLANATION OF AND SOME GUIDELINES ON HOW TO CALCULATE EPA, MORE INFORMATION IS AVAILABLE BY REQUEST.
- 2) ANSI/TIA/EIA-222-F-1996 RECOMMENDS THAT DESIGNS BE EVALUATED BY A REGISTERED PROFESSIONAL ENGINEER FOR EACH SPECIFIC APPLICATION.
- 3) FOR TALLER OR MORE HEAVILY LOADED GUYED TOWERS, PLEASE SEE 1800 TLWD.
- 4) CUSTOM ENGINEERING OF THE 1200 TLWD GUYED TOWER IS AVAILABLE FOR NON-CATALOG LOADING REQUIREMENTS.

Parts & Accessories



10' Standard Section Kit

Item #: C30-904-001

For use as part of a guyed, freestanding or bracketed tower. Face size is 12" from leg center to leg center. Legs are 1.315 OD Sch 40 pipe and bracing is 3/8" serpentine. Attaches to similar sections. Section and nine (9) section bolts included.



5' Short Base Section Kit

Item #: C30-904-076

For use as a base section that is to be embedded in concrete. Face size is 12" from leg center to leg center. Legs are 1.25" solid rod with 3/8" serpentine bracing. Attaches to similar sections (freestanding or bracketed applications). Section and nine (9) section bolts included.



5' Standard Section Kit

Item #: C30-904-002

For use as part of a guyed, freestanding or bracketed tower. Face size is 12" from leg center to leg center. Legs are 1.315 OD Sch 40 pipe and bracing is 3/8" serpentine. Attaches to similar sections. Section and nine (9) section bolts included.



10' Tapered Top Section Kit

Item #: C30-904-023

For use as the top section of a tower. Face size is 12" from leg center to leg center. Legs are 1.315 OD Sch 40 pipe and bracing is 3/8" serpentine. Tapered Top consists of a 2-3/8" OD Mast Tube that extends 14" above side rails. Attaches to similar sections. Section and nine (9) section bolts included.



Parts & Accessories



Bolt-On Anti-Climb Kit

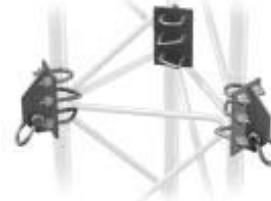
Item #: C30-904-272

For use on a 10' Standard 1200 TLWD Section. Attaches via Locking Bars. Three (3) anti-climb sheets and locking bars included.

Guy Bracket Assembly Kit

Item #: C30-904-177

For use in attaching guy wire at a specific location on a tower. Attaches to leg at a horizontal level. Three (3) individual assemblies, three (3) 5/8" shackles and all mounting hardware included.



Bracketed Base Plate Kit

Item #: C30-904-051

For use at the base of a bracketed tower to transition between section and concrete. Attaches to section via section bolts. Plate, pier pin and nine (9) section bolts included.



Wall Bracket Assembly

Item #: C30-904-151

For use in securing a small face structure to a wall. Attaches to tower face and wall. All hardware for assembly included. Not Included: All materials for mounting the bracket to the building.



Guyed Base Plate Kit

Item #: C30-904-052

For use at the base of a guyed tower to transition between tower and concrete. Attaches to section via section bolts. Plate, pier pin and nine (9) section bolts included.



4 Hole Roof Anchor

Item #: C30-904-301

For use in rooftop applications. Attaches to rooftop. One (1) head assembly and all hardware for assembly included. Not included: Material for attaching anchor to roof. Supplied by others.



Rotor Plate Kit

Item #: C30-904-351

For use in mounting a rotor unit on the interior of Sabre's lightweight towers. Attaches to tower legs. Plate and hardware for mounting to tower legs included.



4 Way Guy Pull Off

Item #: C30-904-326

For use in guying a three legged tower in four directions. Attaches to leg flanges. Plate, nine (9) section bolts and four (4) 5/8" shackles included. *NOTE: Available for custom engineered structures only.



Sabre 1800 TLWD Guyed Tower



TOWER PROFILE

EPA LOAD RANGE (SQ. FT.)	AVAILABLE UPON REQUEST
LOAD LOCATION	TOP
MAXIMUM HEIGHT	400'
MINIMUM HEIGHT	40'
STANDARD 10' SECTION WEIGHT (LBS.) (GALV.)	137.70
MAXIMUM # OF LINES ON A FACE	2-7/8" LINES PER FACE (6 - TOTAL)
GUY STRAND SIZE	1/4", 5/16", 3/8" EHS
LEG SIZE	1.66" OD
LEG TYPE	TUBULAR
LEG CONNECTION	THREE HOLE BOLTED FLANGE
BRACING SIZE	1/2"
BRACING TYPE	SOLID SERPENTINE
BRACE CONNECTION	WELDED
ENGINEERING	PRE-ENGINEERED
CLIMBING APPLICATION	INCORPORATED INTO TOWER FACE
TYPE OF LINE SUPPORT	N/A - ATTACH DIRECTLY TO BRACING MEMBERS
SECTOR MOUNT COMPATIBLE	NO
PLATFORM COMPATIBLE	NO
MAXIMUM SIDEARM LENGTH	6' MAX

NOTES:

- 1) EPA IS THE ACTUAL AREA "SEEN BY THE WIND" OF AN APPURTENANCE (ANTENNA, MOUNT, ETC.) MULTIPLIED BY A FORCE COEFFICIENT. IT IS NOT NECESSARILY THE VALUE PUBLISHED BY THE APPURTENANCE MANUFACTURER. MORE INFORMATION AVAILABLE BY REQUEST.
- 2) ANSI/TIA/EIA-222-F-1996 RECOMMENDS THAT DESIGNS BE EVALUATED BY A REGISTERED PROFESSIONAL ENGINEER FOR EACH SPECIFIC APPLICATION.
- 3) FOR SHORTER OR MORE LIGHTLY LOADED GUYED TOWERS, PLEASE SEE 1200 TLWD.
- 4) CUSTOM ENGINEERING OF THE 1800 TLWD GUYED TOWER IS AVAILABLE FOR NON-CATALOG LOADING REQUIREMENTS.

Parts & Accessories



10' Standard Section Kit
 Item #: C30-904-026
 For use as part of a guyed, freestanding or bracketed tower. Face size is 18" from leg center to leg center. Legs are 1.66 OD Sch 40 pipe and bracing is 1/2" serpentine. Attaches to similar sections. Section and nine (9) section bolts included.



5' Short Base Section Kit
 Item #: C30-904-088
 For use as a base section that is to be embedded in concrete. Face size is 18" from leg center to leg center. Legs are 1.25" solid rod with 1/2" serpentine bracing. Attaches to similar sections (freestanding or bracketed applications). Section and nine (9) section bolts included.



5' Standard Section Kit
 Item #: C30-904-027
 For use as part of a guyed, freestanding or bracketed tower. Face size is 18" from leg center to leg center. Legs are 1.66 OD Sch 40 pipe and bracing is 1/2" serpentine. Attaches to similar sections. Section and nine (9) section bolts included.



10' Tapered Top Section Kit
 Item #: C30-904-048
 For use as the top section of a tower. Face size is 18" from leg center to leg center. Legs are 1.66 OD Sch 40 pipe and bracing is 1/2" serpentine. Tapered Top consists of a 2-3/8" OD Mast Tube that extends 14" above side rails. Attaches to similar sections. Section and nine (9) section bolts included.



Parts & Accessories



Bolt-On Anti-Climb Kit

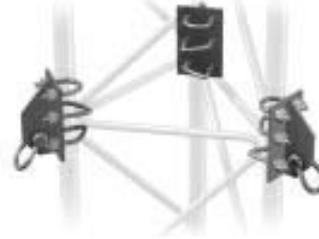
Item #: C30-904-276

For use on a 10' Standard 1800 TLWD Section. Attaches via Locking Bars. Three (3) anti-climb sheets and locking bars included.

Guy Bracket Assembly Kit

Item #: C30-904-189

For use in attaching guy wire at a specific location on a tower. Attaches to leg at a horizontal level. Three (3) individual assemblies, three (3) 5/8" shackles and all mounting hardware included.



Bracketed Base Plate Kit

Item #: C30-904-065

For use at the base of a bracketed tower to transition between section and concrete. Attaches to section via section bolts. Plate, pier pin and nine (9) section bolts included.



4 Hole Roof Anchor

Item #: C30-904-301

For use in rooftop applications. Attaches to rooftop. One (1) head assembly and all hardware for assembly included. Not included: Material for attaching anchor to roof. Supplied by others.



Guyed Base Plate Kit

Item #: C30-904-064

For use at the base of a guyed tower to transition between tower and concrete. Attaches to section via section bolts. Plate, pier pin and nine (9) section bolts included.



4 Way Guy Pull Off

Item #: C30-904-331

For use in guying a three legged tower in four directions. Attaches to leg flanges. Plate, nine (9) section bolts and four (4) 5/8" shackles included. *NOTE: Available for custom engineered structures only.



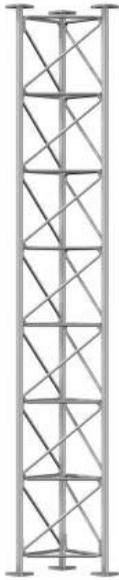
Wall Bracket Assembly

Item #: C30-904-151

For use in securing a small face structure to a wall. Attaches to tower face and wall. All hardware for assembly included. Not Included: All materials for mounting the bracket to the building.



Sabre 1800 SRWD Guyed Tower



TOWER PROFILE

EPA LOAD RANGE (SQ. FT.)	AVAILABLE UPON REQUEST
LOAD LOCATION	TOP
MAXIMUM HEIGHT	85' FREESTANDING / 125' BRACKETED
MINIMUM HEIGHT	10' FREESTANDING / 20' BRACKETED
STANDARD 10' SECTION WEIGHT (LBS.) (GALV.)	199.23 (1.25" LEG) / 253.68 (1.50" LEG)
MAXIMUM # OF LINES ON A FACE	2-7/8" LINES PER FACE (6 - TOTAL)
GUY STRAND SIZE	1/4", 5/16", 3/8" EHS
LEG SIZE	1.25" AND 1.50"
LEG TYPE	SOLID ROUND
LEG CONNECTION	THREE HOLE BOLTED FLANGE
BRACING SIZE	1/2"
BRACING TYPE	SOLID SERPENTINE
BRACE CONNECTION	WELDED
ENGINEERING	PRE-ENGINEERED
CLIMBING APPLICATION	INCORPORATED INTO TOWER FACE
TYPE OF LINE SUPPORT	N/A - ATTACH DIRECTLY TO BRACING MEMBERS
SECTOR MOUNT COMPATIBLE	NO
PLATFORM COMPATIBLE	NO
MAXIMUM SIDEARM LENGTH	6' MAX

NOTES:

- 1) EPA IS THE ACTUAL AREA "SEEN BY THE WIND" OF AN APPURTENANCE (ANTENNA, MOUNT, ETC.) MULTIPLIED BY A FORCE COEFFICIENT. IT IS NOT NECESSARILY THE VALUE PUBLISHED BY THE APPURTENANCE MANUFACTURER. FOR FURTHER EXPLANATION OF AND SOME GUIDELINES ON HOW TO CALCULATE EPA, MORE INFORMATION IS AVAILABLE BY REQUEST.
- 2) ANSITIA/EIA-222-F-1996 RECOMMENDS THAT DESIGNS BE EVALUATED BY A REGISTERED PROFESSIONAL ENGINEER FOR EACH SPECIFIC APPLICATION.
- 3) THE 1800 SRWD IS ALSO AVAILABLE AS A CUSTOM ENGINEERED GUYED TOWER.

Parts & Accessories



10' Standard Section Kit
Item #: C30-904-801

For use as part of a guyed, freestanding or bracketed tower. Face size is 18" from leg center to leg center. Legs are 1.25 solid rod and bracing is 1/2" serpentine. Attaches to similar sections. Section and nine (9) section bolts included.



10' Tapered Top Section Kit
Item #: C30-904-823

For use as the top section of a tower. Face size is 18" from leg center to leg center. Legs are 1.25 solid rod and bracing is 1/2" serpentine. Tapered top consists of a 2-3/8" OD Mast Tube that extends 14" above side rails. Attaches to similar sections. Section and nine (9) section bolts included.



5' Standard Section Kit
Item #: C30-904-802

Design: For use as part of a free-standing or bracketed tower. Legs are 1.25 solid rod with 1/2" serpentine bracing. Attaches to similar sections. Section and nine (9) section bolts included.



Wall Bracket Assembly
Item #: C30-904-151

For use in securing a small face structure to a wall. Attaches to tower face and wall. All hardware for assembly included. Not Included: All materials for mounting the bracket to the building.



5' Short Base Section Kit
Item #: C30-904-851

For use as a base section that is to be embedded in concrete. Legs are 1.25 solid rod with 1/2" serpentine bracing. Attaches to similar sections (freestanding or bracketed applications). Section and nine (9) section bolts included.



Bolt-On Anti-Climb Kit
Item #: C30-904-276

For use on a 10' Standard 1800 TLWD Section. Attaches via Locking Bars. Three (3) anti-climb sheets and locking bars included.



Sabre Series UL Self-Supporting Tower



TOWER PROFILE

EPA LOAD RANGE(SQ. FT.) NO ICE / 1/2" ICE	7.7 / 11.3
LOAD LOCATION	TOP
MAXIMUM HEIGHT	160'
MINIMUM HEIGHT	50'
MINIMUM TOP SPREAD	1'-6"
MAXIMUM BASE SPREAD	15'-0"
MAXIMUM # OF LINES ON A FACE	1 (7/8") PER FACE (3 TOTAL)
BASIC WIND SPEED	AVAILABLE UPON REQUEST
TAPER RATIO	VARIES
SECTION LENGTHS	10' & 20'
LEG TYPE	SOLID OR TUBULAR
LEG SIZE RANGE (SOLID)	1-1/4" OD OR 1-1/2" OD
LEG SIZE RANGE (TUBULAR)	2-3/8" OD TO 4-1/2" OD
LEG CONNECTION	BOLTED FLANGE
BRACE TYPE	SOLID OR ANGLE
BRACE SIZE RANGE (SOLID)	1/2" DIA. AND 3/4" DIA.
BRACE SIZE RANGE (ANGLE)	1-1/2" X 1-1/2" X 1/8" TO 2-1/2" X 2-1/2" X 3/16"
BRACE STYLE SOLID	SERPENTINE WELDED OR BOLTED ANGLE X-BRACED
ENGINEERING	PRE-ENGINEERED
CLIMBING APPLICATION	STRAIGHT SEC.: INC. INTO FACE TAPERED SEC.: STEP BOLTS
TYPE OF LINE SUPPORTS CONSIDERED	N/A - ATTACH DIRECTLY TO BRACING MEMBERS
MAXIMUM SIDEARM LENGTH	3' (TWO MAXIMUM)

Provide the Following for a Quote:

- Tower Height
- Tower Location/County
- Antenna Model or Loads
- Antenna Heights

Sabre Series VL Self-Supporting Tower



S3TL SERIES VL SELF-SUPPORTING TOWER

TOWER PROFILE

EPA LOAD RANGE (SQ. FT.)	AVAILABLE UPON REQUEST
LOAD LOCATION	TOP
MAXIMUM HEIGHT	240'
MINIMUM HEIGHT	40'
MINIMUM TOP SPREAD	3'-0"
MAXIMUM BASE SPREAD	21'-0"
MAXIMUM # OF LINES ON A FACE	3 (7/8") PER FACE (9 TOTAL)
BASIC WIND SPEED	AVAILABLE UPON REQUEST
TAPER RATIO	2' IN 20'
SECTION LENGTHS	5', 10', 15' & 20'
LEG TYPE	TUBULAR
LEG SIZE RANGE	2-3/8" OD TO 8-5/8" OD
LEG CONNECTION	BOLTED FLANGE
BRACE TYPE	ANGLE
BRACE SIZE RANGE	1-1/2" X 1-1/2" X 1/8" TO 3-1/2" X 3-1/2" X 1/4"
BRACE STYLE	X - BRACED
BRACE CONNECTION TYPE	BOLTED
ENGINEERING	PRE-ENGINEERED
CLIMBING APPLICATION	STEP BOLTS
TYPE OF LINE SUPPORTS CONSIDERED	N/A - ATTACH DIRECTLY TO BRACING MEMBERS
MAXIMUM SIDEARM LENGTH	6'

Provide the Following for a Quote:

- Tower Height
- Tower Location/County
- Antenna Model or Loads
- Antenna Heights





RISING ABOVE THE REST

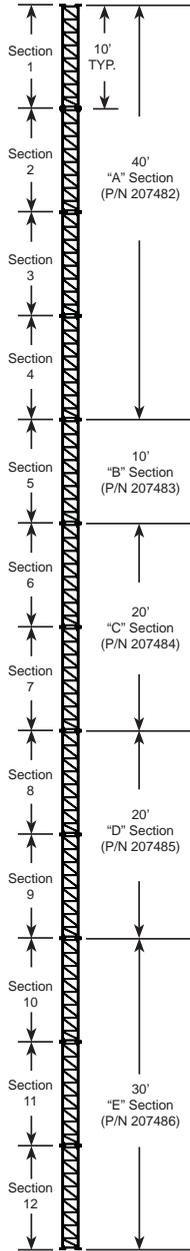
This Lightweight tower is perfect for broadband and WIFI network deployment.

All broadband towers have the following characteristics:

- Fabricated with solid round members to precise specifications.
- Pre-assembled sections speed installation.
- Designed to meet a 90 mph basic wind speed with no ice / 40 mph basic wind speed with 1/2" radial ice.
- Self-supporting to heights of 100'.
- Superior engineering you expect from Valmont.

valmont 
STRUCTURES

Parts & Accessories

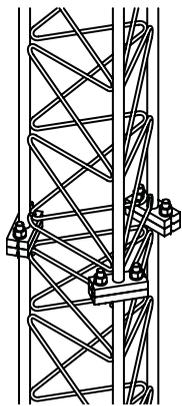


Section	P/N	Member Sizes		Connection	Weight
		Legs	Bracing		
A	207482	7/8" dia.	1/2" dia.	1" Bolt	166#
B	207483	1" dia.	1/2" dia.	1" Bolt	185#
C	207484	1-1/4" dia.	1/2" dia.	1" Bolt	231#
D	207485	1-1/2" dia.	1/2" dia.	1" Bolt	287#
E	207486	1-3/4" dia.	1/2" dia.	1" Bolt	353#

Legs to be solid round rods Fy=50 KSI
 Braces to be solid round rods Fy=36 KSI
 Bolts to be A-325

Tower design loading per standard tower designed for exposure and to the TIA-222-G for a 90 MPH basic wind speed. Tower also designed for a 40 MPH basic wind with 0.50" ice.

Tower Height	Tower Sections	Effective Projected Area	No. of 1/2" lines
120'	1-12	4.0	1
110'	1-11	7.9	1
	2-12	8.9	2
100'	1-10	8.4	1
	3-12	12.9	2
90'	1-9	9.0	1
	4-12	19.6	2
80'	1-8	9.7	1
	5-12	26.1	3
70'	1-7	10.4	1
	6-12	36.5	3
60'	1-6	10.6	2
	7-12	50	3
50'	1-5	11.7	2
	8-12	69	3
40'	1-4	13.0	2
	9-12	83	3
30'	1-3	23.4	3
	10-12	97	3
20'	1-2	45.2	3
	11-12	115	3
10'	1	107	3
	12	132	3



Typical Section Connection

Optional Pipe Mount

P/N 209553

This Pipe Mount allows for the mounting of antennas on the face of the tower. Antenna Mounting Pipe ordered separately. (2-3/8" OD to 4-1/2" OD)

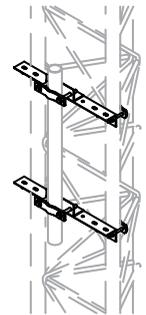
Antenna Mounting Pipes (Sch. 40)

The following pipes will work with the above pipe mount.

P/N 135838 - 2-3/8" x 60"

P/N 165828 - 2-7/8" x 66"

P/N 106096 - 4-1/2" x 63"



Rosenberger®

Rosenberger Site Solutions is an industry leading supplier of radio frequency connection products. The fully developed system solution is based on high-quality cables, connectors and assembly accessories for connection from the antenna down to the base station.

Primary product categories include: Coaxial cables, connectors, jumpers, lightning protection, cable installation tools and accessories, test equipment accessories, grounding components, antennas and mounts, and tower steel components. For a complete listing, please visit us at www.rlss.us.

Rosenberger Site Solutions

Central Location

Headquarters

102 Dupont Dr.

Lake Charles, LA 70606

Phone: 337.598.5250

Fax: 337.598.5290

East Coast Location

Charlotte Metro Area

205 Quantz Dr.

Rock Hill, SC 29730

Phone: 803.233.3208

Fax: 803.233.2698

West Coast Location

1250 S.3600 W.

Salt Lake City

UT 84104

Phone: 801.972.3525

Fax: 801.886.3215

Email: rlss@rlss.us

