

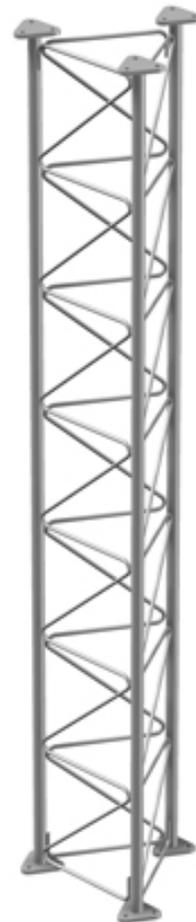


**1800 TLWD Guyed Tower  
Series Overview and Tower Profile**

The Sabre 1800 TLWD guyed tower is a pre-engineered guyed structure that has been designed for use in a number of communications applications. Strength and efficient design make this tower the premier 18-in face structure in the industry.

All towers are designed per ANSI/TIA/EIA-222-F-1996 and are built with 1.66-in OD SCH 40 tubular legs and 1/2 -in solid serpentine bracing. The Sabre 1800 TLWD guyed tower is comprised of 10-ft sections and engineered to reach a maximum height of 400-ft. Acceptable antenna loading information can be found within the individual tower profiles.

Tower Profile	
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. Please refer to [www.tessco.com/go/towers](http://www.tessco.com/go/towers) for a further explanation of and some guidelines on how to calculate EPA.
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 the Sabre 1800 TLWD series.
4. Custom engineering of the 1200 TLWD series guyed tower is available for non-catalog loading requirements.