



Series LDA Self-Supporting Tower

The Sabre S3A Series LDA pre-engineered self-supporting tower will change the way you think about pre-engineered towers. The LDA is simple-to-erect and strong enough to handle even the most demanding loads. And with seven different series from which to choose, there's sure to be an LDA model to suit your project needs. The S3A Series LDA towers are available in heights from 20 to 150-ft.

All towers are designed per ANSI/TIA/EIA-222-G-2005. The LDA is a three-legged self-supporting tower which constructed of all-angle knock-down leg and bracing sections. All steel parts are hot-dip galvanized to ensure uncompromising integrity in even the most severe climates.

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Tower Profile	
Load location	Top
Maximum height	150'
Minimum height	20'
Minimum top spread	1'
Maximum base spread	12'6"
Maximum # of lines on a face	2 (1/2") lines per face (6 total)
Taper ratio	Varies
Section lengths	10'
Leg type	Angle
Leg size range	2 1/2" x 2 1/2" x 3/16" OD to 5" x 5" x 5/16" OD
Leg connection	Bolted splice plates
Brace type	Angle
Brace size range	1 1/2" x 1 1/2" x 3/16" to 2 1/2" x 2 1/2" x 3/16"
Brace style	Varies
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'



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 for a further explanation of and some guidelines on how to calculate EPA.
2. The effects of torsion have not been considered in the EPA values shown. These EPA values are correct for symmetrically loaded instances where torque is not present (such as one top mounted antenna at the center of the tower, or three leg mounted panel antennas symmetrically mounted around the tower).
3. ANSI/TIA/EIA-222-G-2005 recommends that designs be evaluated by a registered professional engineer for each specific application.