

WINDBAND™ Cell Tower Protection System

Patent Protected

WindSwept Designs USA



DESCRIPTION

The WindBand helps protect people and property. It also protects the tower and flag rope halyard system from premature damage and wear.

WindBands help keep antenna bay shrouds where they belong... on the tower!

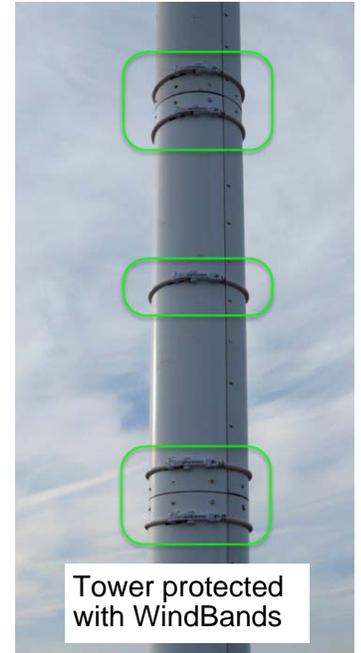
For a variety of reasons, antenna bay shrouds can come loose, presenting a serious hazard to anyone or property near the base of the tower. Modest winds can crack poorly secured shrouds since forces are no longer distributed across a broad area. Once airborne shrouds rarely survive the fall intact and are costly to replace.

WindBands extend flag and rope life

Sharp projections from a tower surface are detrimental to flag rope health. WindBands keep ropes a safe distance away from sharp edges and abrasive surfaces near the tower surface, significantly extending rope life and maintenance budgets. Field experience shows rope life extension by 100%.

WindBands help prevent dropped ropes

With the large expense of a crane and tower crew, WindBands reduce the number of times per year a tower owner must send a crew into the field to replace or re-thread a dropped line. Not only is installation easier than ever, but when tower interior work is required, units are a breeze to remove and reinstall.



FEATURES

- **High Strength UV Protected Components**—For long life
- **RF Transparent** - Place them anywhere on the tower!
- **Basic tools to Install**—No tools required to remove and reinstall

Call or email us to discuss your cell tower sites and to see how the WindBand can protect your assets and improve safety near tower sites.

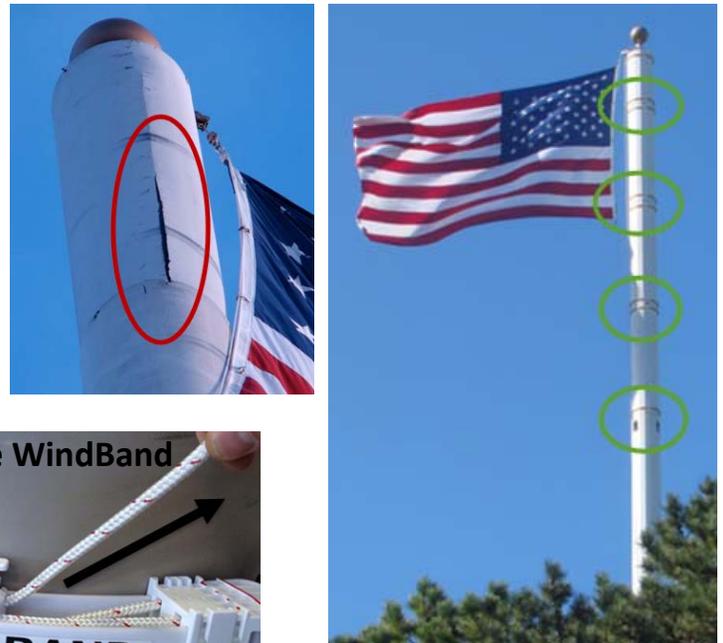
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Say No to Rope Halyard Chaffing on your Site!



Cylindrical Shrouds need WindBands



EASY ON AND OFF**



WINDBAND SPECIFICATIONS

Tower Type: Concealed Array Monopole, Sectional & Cylindrical Shrouds

Tower Dia.: 17" (43cm) and larger.

Placement (based on shroud type)

Sectional: 3 WindBands per 10 ft (3m) antenna bay typical.

Cylindrical: 2 WindBands per 10 ft (3m) antenna bay typical.

Load Rating: Designed for 90+ MPH wind speeds when installed in sets of 3 WindBands per antenna bay.*

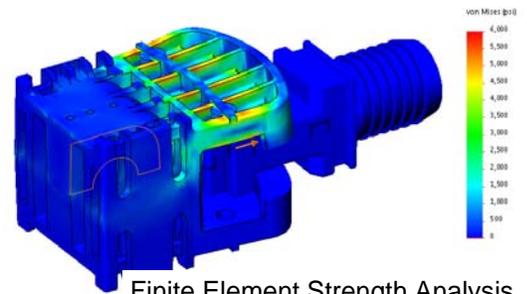
Materials: All components UV protected and RF transparent.

P/N	Description	Diameters
110190	V3 WindBand, Standard	17" (43cm) to 37" (94cm)
110228	V3 WindBand, Long	37" (94cm) to 47" (120cm)
110334	V3 WindBand, Extra Long	47" (120cm) to 57" (145cm)
110219	V3 WindBand, Installation Tool Kit (highly recommended)	
110050	SwingArm Flag Truck (Fits 24" to 39" Dia. Towers)	

*Actual performance may vary as many factors contribute to ability to withstand high wind loads.

** After initial sizing to tower WindBands can be removed and reattached in about a minute.

High Strength Design & Testing



Finite Element Strength Analysis



Material Load Testing

Protected under US Patent No 9.634,386 and other Patents Pending

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