

# DB436-C



1-port sector (yagi) antenna, 450–470 MHz, 60° HPBW, fixed electrical tilt

- Highly directional coverage and good front-to-back ratio
- Rugged, reliable design
- Stacked arrays

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Silver
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	N Male
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, low band</b>	1
<b>RF Connector Quantity, total</b>	1

## Dimensions

<b>Width</b>	368.3 mm   14.5 in
<b>Depth</b>	25.4 mm   1 in
<b>Length</b>	889 mm   35 in
<b>Net Weight, without mounting kit</b>	3.2 kg   7.055 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	450 – 470 MHz
<b>Polarization</b>	Vertical

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>450–470</b>
<b>Gain, dBi</b>	12.1

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<b>Beamwidth, Horizontal, degrees</b>	60
<b>Beamwidth, Vertical, degrees</b>	44
<b>Beam Tilt, degrees</b>	0
<b>Front-to-Back Ratio at 180°, dB</b>	16
<b>VSWR   Return loss, dB</b>	1.5   14.0
<b>Input Power per Port, maximum, watts</b>	250

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	80.1 N @ 100 mph (18.0 lbf @ 100 mph)
<b>Wind Speed, maximum</b>	201 km/h (125 mph)

## Packaging and Weights

<b>Included</b>	U-bolts
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



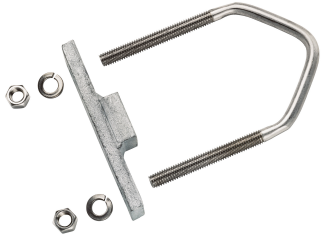
## Included Products

11653	–	V-Bolt Mounting Kit for 3 in (76.2 mm) max OD round members. Set of two V-bolts clamp sets.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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# 11653



V-Bolt Mounting Kit for 3 in (76.2 mm) max OD round members. Set of two V-bolts clamp sets.

## Product Classification

**Product Type** V-bolt mounting kit

## General Specifications

**Application** Outdoor  
**Color** Silver  
**Compatible 60° Angle** 66.04 mm | 2.6 in  
**Compatible 90° Angle** 50.8 mm | 2 in

## Dimensions

**Compatible Diameter, maximum** 76.2 mm | 3 in  
**Weight, net** 0.9 kg | 1.984 lb

## Material Specifications

**Material Type** Galvanized steel | Stainless steel

## Packaging and Weights

**Included** Back straps | Nuts | V-bolts | Washers  
**Packaging quantity** 2

## Regulatory Compliance/Certifications

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REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
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