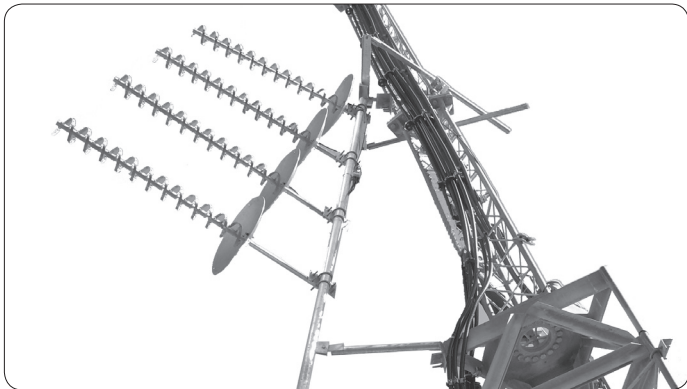
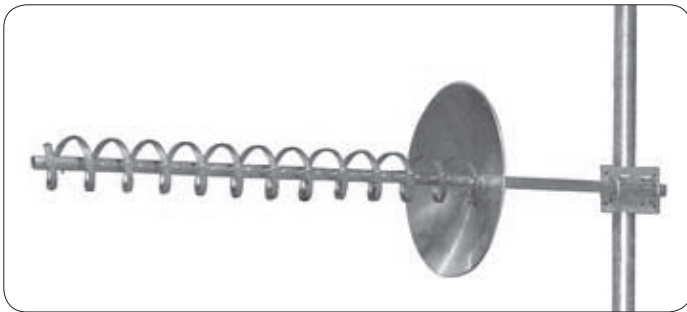


WADE HELICAL ANTENNA MODEL:

- WH 14-69

The Wade Helical Antenna, WH14-69, is a circular polarized antenna for CATV Off-Air reception. The WH14-69 covers the entire UHF band (470-806 MHz), channels 14 through 69. Available as a single antenna or a customized antenna array. All material is hot dip galvanized steel or aluminum for superior quality and longevity.



SPECIFICATIONS:

ELECTRICAL:

MODEL(S)	WH14-69/S
Frequency Range (MHz)	470-806
* Gain (dBic)	17
Number of Outputs	1
Number of Elements	12
VSWR:	Max 1.6 Typical 1.4
HPBW:	Horz. 30 Vert. 28
Polarization	Circular
1st Sidelobe Suppression	15 dB
Cross Pol. Suppression	20 dB
Impedence	75
Std. Connector	F
Max. Input Power	25W
** Operating Temperature (°C)	-40 to +70

* Omni-directivity +/-0.5 dB

** Temperature, barometric pressure and humidity to MIL-STD. 210 & 210A.
Rain, salt-fog, sand, dust and fungus to MIL-STD. 810A & B

MECHANICAL:

MODEL(S)	WH14-69/S
Overall Length (in.)	65
Helical Diameter	5.875
Ground Plane Diameter (in)	24
Stub Length (in)	6.5
Stub Diameter (in)	1.5
Antenna Weight	12 lbs
* Total Shipping weight	55 lbs
Mounting Options	
Type	Mast
Mast Size (O.D.)	2.875"

* Weights are approximate values

WIND LOADING:

MODEL(S)	WH14-69/S
Wind Area:	(No Ice) 1.64 ft. (1/2" Radial Ice) 3.68 ft.
Wind Load	* (No Ice) 143 ft. lb. ** (1/2" Radial Ice) 93 ft. lb
Survival Rating:	*** (No Ice) 180 mph

* Wind Speed = 100 MPH at sea level with 100% Humidity at 70°F.

** Wind Speed = 50 MPH at sea level with 100% Humidity at 0°F.

*** Maximum Wind Speed at sea level with 100% Humidity at 70°F.
Safety Factor of 1.65 included.

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