

# Antennas

**2019 Automatic tuning mobile HF antenna to suit 4000 series**

Part Number	Packaging Type	Net Weight	
BC401900	C5	5.50 kg	

**Features:-**

- Frequency range 2 to 30 MHz
- Fast tuning - typically less than 2 seconds

**Note:-** See brochure for more detailed information.



SA-2019



4019-00-02



BCA201903



BCM201901



BCA201901

**Includes:-**

Barrett 2019 Antenna	SA-2019			
Control cable 6 m - integral coaxial/control with connectors to suit 4000 series	4019-00-02			
Fibreglass split whip top section and bottom section	BCA201901			
Standard spring black - for 2019	BCA201903			
Barrett 2019 Installation sheet	BCM201901			

<b>Internal fit GPS Receiver for 2019 Antenna</b>	BCA201902	N/A	N/A	
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GPS receiver fitted inside the 2019 Antenna, interfaces to the 4050 Transceiver via the RF control cable supplied with 2019 Antennas.

**Internal Fit**



### NVIS Whip

Part Number	Packaging Type	Net Weight
BCA201910	T4	1.0 kg

The Barrett Near Vertical Incidence Skywave (NVIS) antenna whip is designed to enhance the short range communications efficiency of the Barrett 2019 Automatic Tuning Mobile HF Antenna. The usable frequencies for NVIS communications are between 2 MHz and 15 MHz. Length 4000 mm

- Includes:-
- NVIS Gutter mount bracket P/N BCA201912
  - Carry bag - colour black P/N BC-00011
  - NVIS kit installation guide P/N BCM201910



### NVIS Magnetic base

BCA201911	C4	0.40 kg
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The NVIS Kit Magnetic Mounting Base is designed to provide fast and convenient mounting of the end of the NVIS antenna whip (P/N BCA201910). The three powerful magnet feet are covered with silicone rubber to prevent damage to painted surfaces.

- Includes:-
- NVIS kit installation guide P/N BCM201910

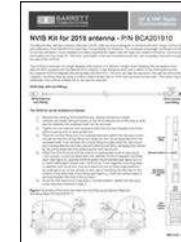


**NVIS Gutter mount bracket**

Part Number	Packaging Type	Net Weight	
BCA201912	C4	0.16 kg	

Gutter mount bracket for NVIS whip.

- Includes:-  
 - NVIS kit installation guide P/N BCM201910


**Stainless steel whip**

BCA201906	T4	0.40 kg	
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Single section stainless steel whip for the Barrett 2019 Automatic tuning mobile antenna for NVIS operation. Length 2080 mm.


**Extendable whip**

BCA201909	T3	0.25 kg	
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Tapered, blackened, aluminium whip shaft with pull out, blackened stainless steel whip for use with 2019 automatic tuning mobile antenna  
 Unextended length – 810 mm  
 Extended length – 1560 mm



**Fibreglass split whip top section and bottom section**

Part Number	Packaging Type	Net Weight	
BCA201901	T3	0.55 kg	

- Includes:-**
- one middle and one top MIL-SPEC Whip sections (colour black)
  - Length 1610 mm


**Standard spring black - for 2019**

BCA201903	C4	0.70 kg	
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2019 Standard spring - colour black.


**Control cable 2019 Antenna to transceiver - 6 metres**

4019-00-02	C6	0.95 kg	
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6 metres - composite cable combining control and coaxial cable - with connectors to suit 2019 Automatic tuning mobile when used with 4000 series products.



**Control cable 2019 Antenna to transceiver - 20 metres**

Part Number	Packaging Type	Net Weight	
4019-00-06	C2	3.75 kg	

20 m - composite cable combining control and coaxial cable - with connectors to suit 2019 Automatic tuning mobile when used with 4000 series products.


**Universal antenna mounting bracket**

BCA90033	C6	1.45 kg	
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Suit 2019 Automatic tuning mobile antennas mounted on bull bars.



### 2018 Mobile magnetic loop HF antenna

Part Number	Packaging Type	Net Weight	
BC201802	N/A	N/A	

The Barrett 2018 is ideal for NVIS propagation or applications requiring constant coverage for distances of 0-1000 km.



2018-00-01



4019-00-02



BCM201800

**Note:-** See brochure for more detailed information.  
Roof mounting brackets not included.

**Includes:-**

6 metres Interface cable and coaxial cable	4019-00-02			
Operation and installation manual	BCM201800			

### 4017 Automatic tuning horizontal dipole (2-30 MHz) - 150 W PEP to suit 4000 series

BC401701	C5 & T5	10.0 kg	
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The Barrett 4017 is a compact base antenna solution for installations in areas with space limitations where normal wire broadband antennas are not practical.

Full Coverage from 2~30MHz.

Omni directional radiation, Can be installed on wide range of masts & poles

Recommended height 6 ~ 10 metres

Max installed length 5.7 metres

Compact packaging for air shipment

ALE compatible



**Includes:-**

- 30 metres of integral RF control cable and connectors P/N 4017-01-01
- 4017 Automatic tuning horizontal dipole user manual P/N BCM401700

**Note:-** See brochure for more detailed information

**4011 Automatic antenna tuner to suit 4000 series**

Part Number	Packaging Type	Net Weight	
BC401101	C2	4.20 kg	

**Features:-**

- Frequency Range: 2 - 30MHz tuneable
- Power Rating: 150 Watts PEP
- Memory tune in <130ms, Non-Memory tune in <1 sec
- ALE compatible
- Frequency-hopping compatible
- MIL-STD-810F Waterproof, Vibration, and Dust

**Includes:-**

- 6 metre extension control cable and connectors P/N 4019-00-02
- 4011 Automatic antenna tuner user manual P/N BCM401100

**Note:-** See brochure for more detailed information  
Not suitable for fixed marine installations


**912 Multi-wire broadband dipole (2 - 30 MHz) - 150 W PEP**

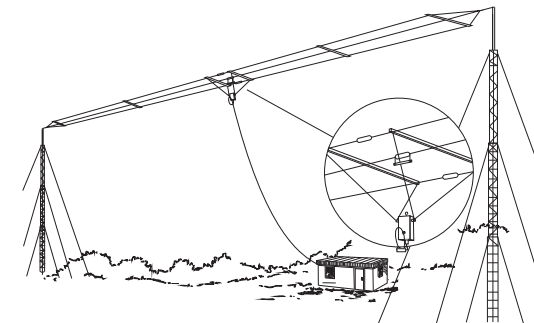
BC91200	N/A	6.0 kg	
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27 metres stainless steel, fibreglass spreaders and encapsulated baluns and loads.

**Includes:-**

- 30 metres of RG-58AU coaxial cable with waterproof UHF coaxial connectors

**Note:-** Masts illustrated not provided.





**912 Single-wire broadband dipole (2 - 30 MHz) - 150 W PEP**

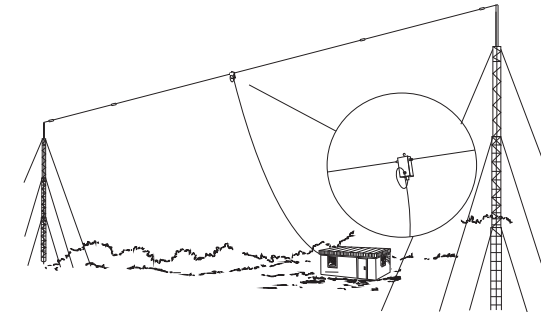
27 metres stainless steel and encapsulated baluns and loads.

**Includes:-**

- 30 metres of RG-58AU coaxial cable with waterproof UHF coaxial connectors

**Note:-** Masts illustrated not provided.

Part Number	Packaging Type	Net Weight	
BC91201	N/A	3.60 kg	


**912 Multi-wire broadband dipole (2 - 30 MHz) - 500 W PEP**

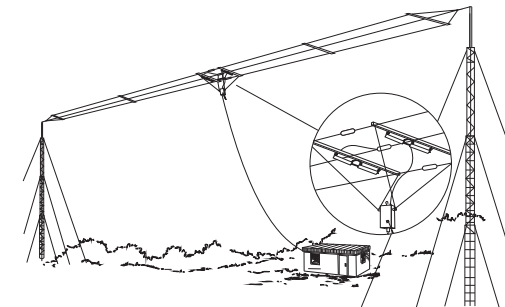
27 metres stainless steel, fibreglass spreaders and encapsulated baluns and loads.

**Includes:-**

- 30 metres of RG-213 coaxial cable with waterproof UHF coaxial connectors

**Note:-** Ground catenary and masts illustrated not provided.

BC91202	N/A	25 kg	
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**912 Multi-wire broadband dipole (3.6 - 30 MHz) - 1 kW continuous**

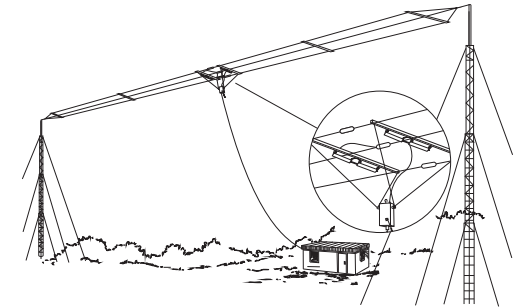
27 metres stainless steel, fibreglass spreaders and encapsulated baluns and loads.

**Includes:-**

- 30 metres of RG-213 coaxial cable with waterproof UHF coaxial connectors and UHF to N-type adaptor

**Note:-** Ground catenary and masts illustrated not provided.

Part Number	Packaging Type	Net Weight	
BC91203	N/A	15 kg	


**912 Multi-wire broadband dipole (2 - 30 MHz) - 1 kW continuous**

54 metres stainless steel, fibreglass spreaders and encapsulated baluns and loads.

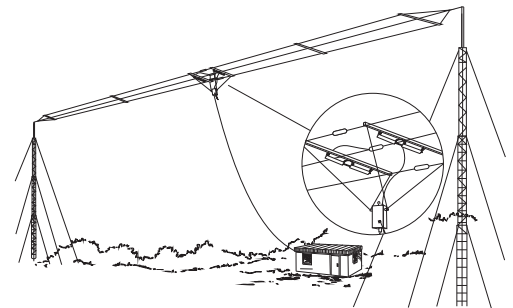
**Includes:-**

- 30 metres of RG-213 coaxial cable with waterproof UHF coaxial connectors and UHF to N-type adaptor

**Note:-** Ground catenary and masts illustrated not provided.

This antenna requires minimum 15M Lattice masts to handle the forces to lift into horizontal configuration. We do not recommend inverted "V" configuration for this antenna.

BC91207	N/A	25 kg	
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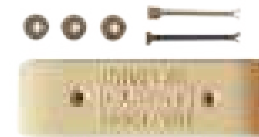


# **Accessories**

**" E " plate (earth plate)**

Part Number	Packaging Type	Net Weight	
BCA91700	N/A	N/A	

Is a grounding plate which is mounted to the bottom of the boat to ensure adequate/effective grounding.


**Insulator - feed through**

BCA91701	N/A	N/A	
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To feed high voltage leads through decks / walls to 35 mm thickness.


**Insulator - back stay**

BCA91702	N/A	N/A	
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To insulate the back stay of a yacht to use as an HF antenna - up to 1100 kg strain.


**Copper earth strap (per metre)**

BCA91703	N/A	N/A	
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For RF earthing between antenna tuner, transceiver and "E" plates or other earthing points  
- 50 mm x 0.5 mm.


**Radial earth mat / ground plane**

BCA20026	N/A	N/A	
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Counterpoise to use with whip in fixed high power base station applications  
12 x 10 metres radials.

