

# Universal Spring-Mount Antennas L, S, C and Dual-Band Omni-Directional

**COBHAM**

The most important thing we build is trust



Unmanned Systems



Outside Broadcast



Man Pack



Vehicle Mount

# Spring-Mount Omni Antenna Range

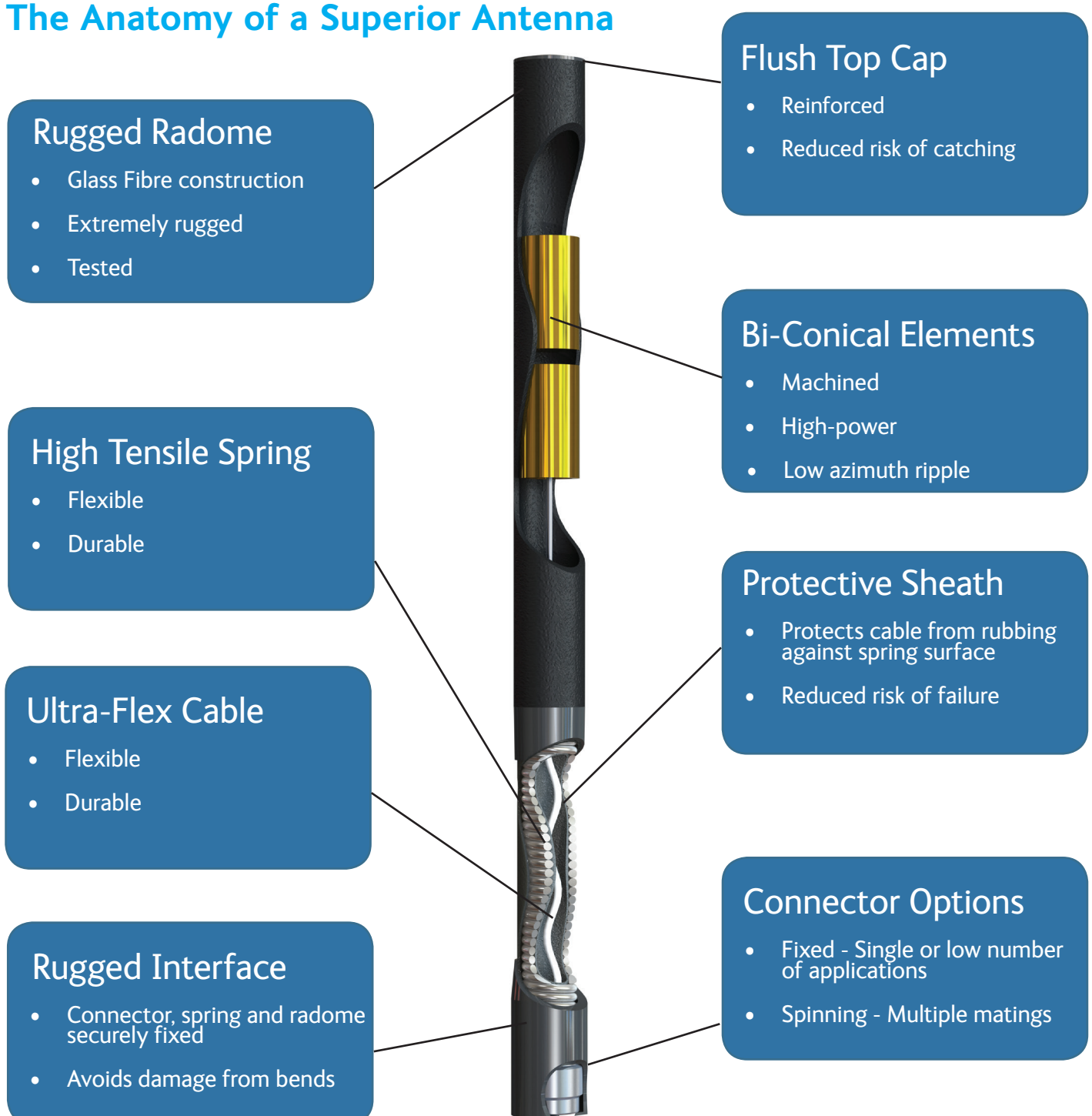
Cobham's universal spring-mount antenna range includes L, S and C-Band variants, each with 2dBi and 4dBi gain variants. Also included is an S & C dual-band Gooseneck model. The standard product range has N(M) Fixed; N(M) Spinning; TNC(M) Fixed and TNC(M) Spinning connector types. Further options including Female and Reverse Polarity (RP) may be available on request.

**Fixed Connector** - Captive and the whole antenna must be rotated to tighten.

**Spinning Connector** - Rotates independently of the antenna which is ideal for multiple matings.

Every element of the design and construction of these antennas has been considered to ensure excellent performance, build quality, longevity and reliability.

## The Anatomy of a Superior Antenna





# Proven Results

Cobham Antenna Systems has designed and manufactured spring mount antennas for over twenty years and has proven results, in the field, for many of its models.

Antennas in this range have been tested using our purpose-built test rig which allows our engineering team to demonstrate consistency of the product even after flexing the spring one thousand times through 90 degree bends.

## Connector Options



N-Type Fixed



N-Type Spinning



TNC Fixed



TNC Spinning

## Product Range

### L-Band

Part Number	Frequency GHz	Gain dBi	Beamwidth		Polarisation	Size mm	Connector
			Az	El			
OA2-1.3V-SM-FN/9601	1.15 - 1.40	2	360	70	Vertical	310 x 22 Ø	N(M) Fixed
OA2-1.3V-SM-SN/9602	1.15 - 1.40	2	360	70	Vertical	310 x 22 Ø	N(M) Spinning
OA2-1.3V-SM-FT/9603	1.15 - 1.40	2	360	70	Vertical	310 x 22 Ø	TNC(M) Fixed
OA2-1.3V-SM-ST/9604	1.15 - 1.40	2	360	70	Vertical	310 x 22 Ø	TNC(M) Spinning
OA4-1.3V-SM-FN/9605	1.15 - 1.40	4	360	35	Vertical	470 x 22 Ø	N(M) Fixed
OA4-1.3V-SM-SN/9606	1.15 - 1.40	4	360	35	Vertical	470 x 22 Ø	N(M) Spinning
OA4-1.3V-SM-FT/9607	1.15 - 1.40	4	360	35	Vertical	470 x 22 Ø	TNC(M) Fixed
OA4-1.3V-SM-ST/9608	1.15 - 1.40	4	360	35	Vertical	470 x 22 Ø	TNC(M) Spinning

### S-Band

Part Number	Frequency GHz	Gain dBi	Beamwidth		Polarisation	Size mm	Connector
			Az	El			
OA2-2.4V-SM-FN/9609	2.20 - 2.70	2	360	65	Vertical	250 x 22 Ø	N(M) Fixed
OA2-2.4V-SM-SN/9610	2.20 - 2.70	2	360	65	Vertical	250 x 22 Ø	N(M) Spinning
OA2-2.4V-SM-FT/9611	2.20 - 2.70	2	360	65	Vertical	250 x 22 Ø	TNC(M) Fixed
OA2-2.4V-SM-ST/9612	2.20 - 2.70	2	360	65	Vertical	250 x 22 Ø	TNC(M) Spinning
OA4-2.4V-SM-FN/9613	2.20 - 2.70	4	360	40	Vertical	310 x 22 Ø	N(M) Fixed
OA4-2.4V-SM-SN/9614	2.20 - 2.70	4	360	40	Vertical	310 x 22 Ø	N(M) Spinning
OA4-2.4V-SM-FT/9615	2.20 - 2.70	4	360	40	Vertical	310 x 22 Ø	TNC(M) Fixed
OA4-2.4V-SM-ST/9616	2.20 - 2.70	4	360	40	Vertical	310 x 22 Ø	TNC(M) Spinning

### C-Band

Part Number	Frequency GHz	Gain dBi	Beamwidth		Polarisation	Size mm	Connector
			Az	El			
OA2-4.7V-SM-FN/9617	4.40 - 5.90	2	360	70	Vertical	250x22 Ø	N(M) Fixed
OA2-4.7V-SM-SN/9618	4.40 - 5.90	2	360	70	Vertical	250x22 Ø	N(M) Spinning
OA2-4.7V-SM-FT/9619	4.40 - 5.90	2	360	70	Vertical	250x22 Ø	TNC(M) Fixed
OA2-4.7V-SM-ST/9620	4.40 - 5.90	2	360	70	Vertical	250x22 Ø	TNC(M) Spinning
OA4-4.7V-SM-FN/9621	4.40 - 5.90	4	360	35	Vertical	310x22 Ø	N(M) Fixed
OA4-4.7V-SM-SN/9622	4.40 - 5.90	4	360	35	Vertical	310x22 Ø	N(M) Spinning
OA4-4.7V-SM-FT/9623	4.40 - 5.90	4	360	35	Vertical	310x22 Ø	TNC(M) Fixed
OA4-4.7V-SM-ST/9624	4.40 - 5.90	4	360	35	Vertical	310x22 Ø	TNC(M) Spinning

### S & C Dual-Band

Part Number	Frequency GHz	Gain dBi	Beamwidth		Polarisation	Size mm	Connector
			Az	El			
OA2-2.3V-5.2V/2358	2.10 - 2.60	2	360	65	Vertical	360x16 Ø	TNC(M) Spinning
	4.40 - 6.00	4	360	35	Vertical		

## BROCHURES



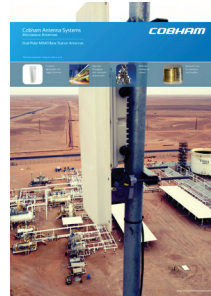
Antenna Catalogue



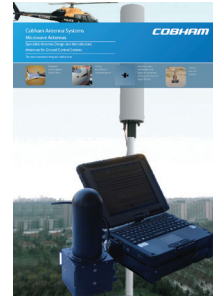
Total Capability



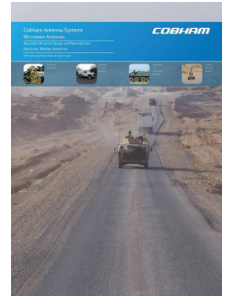
MIMO



MiMo Base Station



Ground Control



Electronic Warfare



Link16



WiMAX and LTE



Unmanned Systems



Body Worn



Radar Systems



DAS



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