

Universal Spring-Mount Antennas

L, S & C-Band Omni-Directional



Unmanned Systems



Outside Broadcast



Man Pack



Vehicle Mount

Spring-Mount Omni Antenna Range

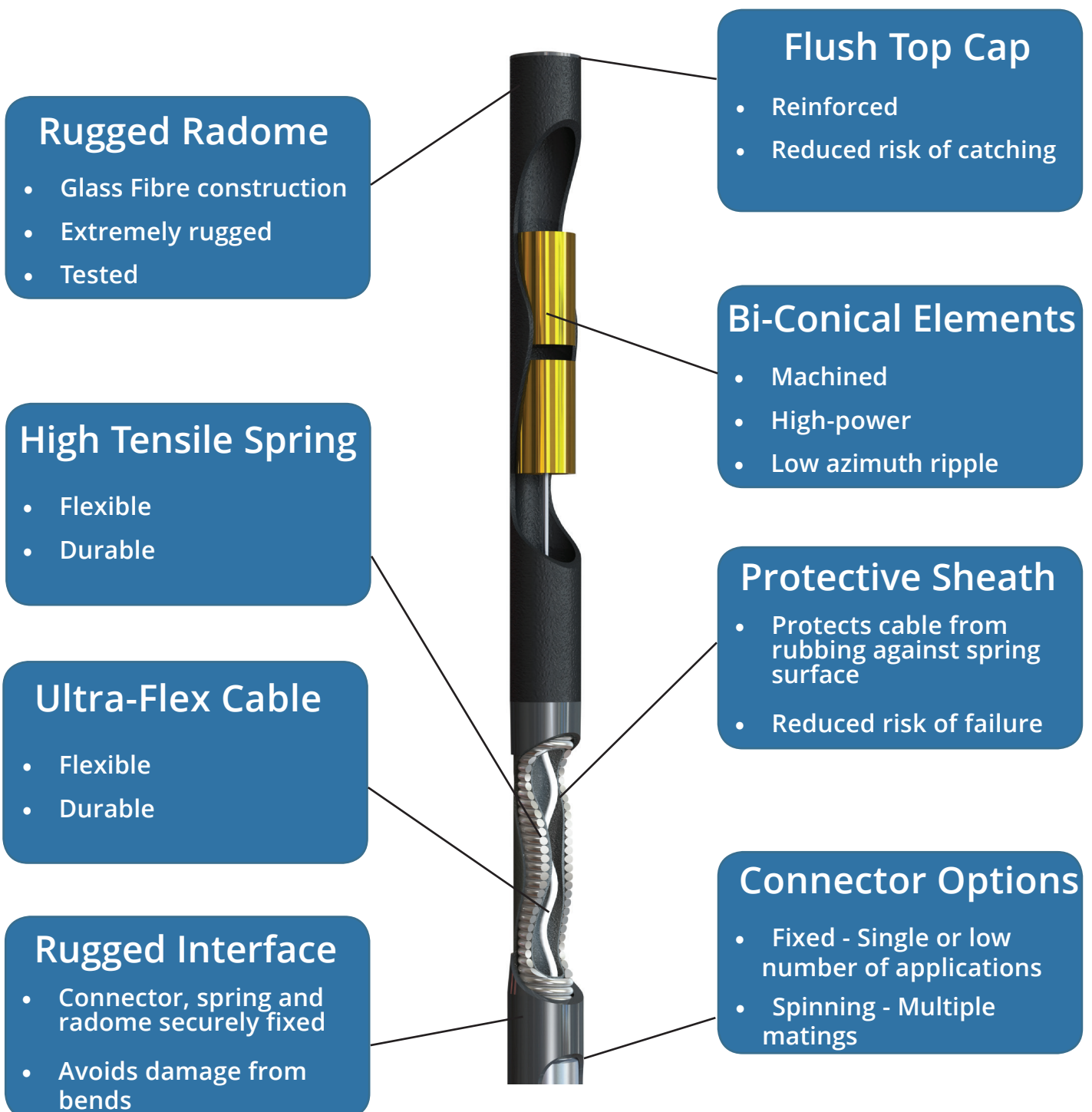
Chelton's universal spring-mount antenna range includes L, S and C-Band variants, each with 2dBi and 4dBi gain variants. Each gain option includes N(M) Fixed; N(M) Spinning; TNC(M) Fixed and TNC(M) Spinning connector types.

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

Chelton Ltd have designed and manufactured spring mount antennas for over twenty years and can claim proven results, in the field, for many 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.

Product Range

L-Band

| Part Number Photo | Frequency GHz | Gain dBi | Beamwidth Az El | | Polarisation Size mm | Connector |
|----------------------|------------------|-------------|--------------------|----|-------------------------|-----------------|
| OA2-1.3V-SM-FN/9601 | 1.15-1.40 | 2 | 360 | 70 | Vertical 327 x 22 Ø | N(M) Fixed |
| OA2-1.3V-SM-SN/9602 | 1.15-1.40 | 2 | 360 | 70 | Vertical 326 x 22 Ø | N(M) Spinning |
| OA2-1.3V-SM-FT/9603 | 1.15-1.40 | 2 | 360 | 70 | Vertical 321 x 22 Ø | TNC(M) Fixed |
| OA2-1.3V-SM-ST/9604 | 1.15-1.40 | 2 | 360 | 70 | Vertical 320 x 22 Ø | TNC(M) Spinning |
| OA4-1.3V-SM-FN/9605 | 1.15-1.40 | 4 | 360 | 35 | Vertical 487 x 22 Ø | N(M) Fixed |
| OA4-1.3V-SM-SN/9606 | 1.15-1.40 | 4 | 360 | 35 | Vertical 486 x 22 Ø | N(M) Spinning |
| OA4-1.3V-SM-FT/9607 | 1.15-1.40 | 4 | 360 | 35 | Vertical 481 x 22 Ø | TNC(M) Fixed |
| OA4-1.3V-SM-ST/9608 | 1.15-1.40 | 4 | 360 | 35 | Vertical 480 x 22 Ø | TNC(M) Spinning |

S-Band

| Part Number | Frequency GHz | Gain dBi | Beamwidth Az El | | Polarisation Size mm | Connector |
|---------------------|------------------|-------------|--------------------|----|-------------------------|-----------------|
| OA2-2.4V-SM-FN/9609 | 2.2-2.70 | 2 | 360 | 65 | Vertical 287 x 22 Ø | N(M) Fixed |
| OA2-2.4V-SM-SN/9610 | 2.2-2.70 | 2 | 360 | 65 | Vertical 286 x 22 Ø | N(M) Spinning |
| OA2-2.4V-SM-FT/9611 | 2.2-2.70 | 2 | 360 | 65 | Vertical 281 x 22 Ø | TNC(M) Fixed |
| OA2-2.4V-SM-ST/9612 | 2.2-2.70 | 2 | 360 | 65 | Vertical 280 x 22 Ø | TNC(M) Spinning |
| OA4-2.4V-SM-FN/9613 | 2.2-2.70 | 4 | 360 | 40 | Vertical 367 x 22 Ø | N(M) Fixed |
| OA4-2.4V-SM-SN/9614 | 2.2-2.70 | 4 | 360 | 40 | Vertical 366 x 22 Ø | N(M) Spinning |
| OA4-2.4V-SM-FT/9615 | 2.2-2.70 | 4 | 360 | 40 | Vertical 361 x 22 Ø | TNC(M) Fixed |
| OA4-2.4V-SM-ST/9616 | 2.2-2.70 | 4 | 360 | 40 | Vertical 360 x 22 Ø | TNC(M) Spinning |

C-Band

| Part Number | Frequency GHz | Gain dBi | Beamwidth Az El | | Polarisation Size mm | Connector |
|---------------------|------------------|-------------|--------------------|----|-------------------------|-----------------|
| OA2-4.7V-SM-FN/9617 | 4.40-5.90 | 2 | 360 | 70 | Vertical 267x22 Ø | N(M) Fixed |
| OA2-4.7V-SM-SN/9618 | 4.40-5.90 | 2 | 360 | 70 | Vertical 266x22 Ø | N(M) Spinning |
| OA2-4.7V-SM-FT/9619 | 4.40-5.90 | 2 | 360 | 70 | Vertical 261x22 Ø | TNC(M) Fixed |
| OA2-4.7V-SM-ST/9620 | 4.40-5.90 | 2 | 360 | 70 | Vertical 260x22 Ø | TNC(M) Spinning |
| OA4-4.7V-SM-FN/9621 | 4.40-5.90 | 4 | 360 | 35 | Vertical 312x22 Ø | N(M) Fixed |
| OA4-4.7V-SM-SN/9622 | 4.40-5.90 | 4 | 360 | 35 | Vertical 311x22 Ø | N(M) Spinning |
| OA4-4.7V-SM-FT/9623 | 4.40-5.90 | 4 | 360 | 35 | Vertical 306x22 Ø | TNC(M) Fixed |
| OA4-4.7V-SM-ST/9624 | 4.40-5.90 | 4 | 360 | 35 | Vertical 305x22 Ø | TNC(M) Spinning |



OA2-4.7V-SM-FN/9601



OA2-4.7V-SM-SN/9602



OA2-4.7V-SM-FT/9603



OA2-4.7V-SM-ST/9604



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