

# Sinclair Mobile Antennas

## Rugged Design - Extreme Performance

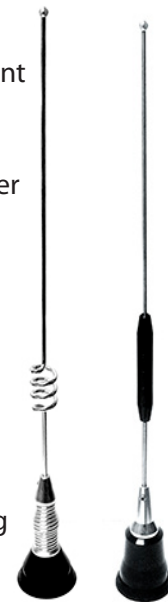
### Presenting Excelsior™ mobile antennas - Superior quality that defines all Sinclair products.

Like all Sinclair products, our Excelsior™ mobile antennas are built to last and offer customers proven solutions for all their mission critical communication needs. The Excelsior™ line of mobile whip antennas consists of premier quality components and materials to ensure maximum performance under extreme conditions. These versatile antennas cover a frequency range from 40-970 MHz and feature strong ABS housing that does not chalk. Stainless steel fittings are molded into the housing without glue, and an integral Santoprene™ gasket completely waterproofs the base, preventing damage from moisture and rust. All Excelsior™ antennas are made of high quality rust resistant stainless steel to ensure durability. Superior components and rugged construction makes the Excelsior™ antennas ideal for mission critical and heavy transport applications.



### Excelsior™ Features

- 1. Rugged ABS Base Housing** - UV resistant and weatherproofed, will not chalk, fade or crack. Uniquely designed stainless steel fittings inhibit rust and corrosion and are molded into the housing without glue or fasteners. This ensures a reliable long lasting product even in severe environments.
- 2. Unique Gasket Design** - Completely waterproofs the base and provides excellent mounting potential on both flat and curved surfaces.
- 3. High Quality Whips** - All whips are made with high quality stainless steel. Longer whips are tapered to minimize damage from impact while remaining vertically positioned at high speeds.
- 4. Unbeatable Warranty** - Sinclair's two year warranty is the best in the industry.
- 5. Broad Product Range** - Offering ultimate coverage solutions:
  - Frequency coverage 40 - 970 MHz and Gain from 0 to 6 dBd.
  - Narrowband and Wideband models available.
  - No Ground Plane versions available for surfaces that lack a suitable grounding surface, e.g. fiberglass vehicles, boats etc.
  - Stainless steel spring or non-spring ferrule options.
- 6. Modular Design** - Flexible design featuring interchangeable base coils, ferrules and whips enables 132 different models to be constructed by combining only 6 ferrules, 20 base coils and 34 whips. Interchangeability of ferrules and springs create product flexibility while reducing inventory costs.



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Mobile Antenna Series	Frequency (MHz)	Bandwidth (MHz, Typical)	Ground Plane Required	Tunable	Gain (dBd)	Style (Wavelength)	Length (Inches/CM)
<b>Low Band<sup>1</sup></b>							
SVT-0400	40-48	2	Y	Y	0	1/4	52/132
<b>VHF<sup>2</sup></b>							
SVT-1180-EX	118-225	7.5	Y	Y	0	1/4	25/63
SVT-1180-SP	118-512	7.5(VHF) 100(UHF)	Y	Y	0	1/4	25/63
SVB-1560	138-174	36	Y	N	0	1/4	25/63
SVB-1482	132-174	26	Y	Y	2	1/2	43/108
SVB-1382	138-174	5.25	N	Y	2	1/2	50/125
SVB-1383	138-174	5	Y	Y	3	5/8	58/147
<b>UHF<sup>3</sup></b>							
SUT-4060-EX	406-512	100	Y	Y	0	1/4	8/20
SUB-4302	430-470	20	N	Y	2	1/2	15/38
SUB-4303	430-470	15	Y	Y	3	5/8	16/41
SUB-4305	430-470	12	Y	Y	5	5/8 over 1/2	31/79
SUB-4306	430-470	3.3-15	Y	Y	6	5/8 over 5/8	36/91
<b>800 MHz<sup>4</sup></b>							
SUT-5120-SP	512-970	60-72	Y	Y	0	1/4	4.8/12.2
SUB-8063	806-896	60-72	Y	N	3	5/8 over 1/4	14.5/37

**Notes:**

- Other 1/4 wave, uni-gain models available in 27-30 MHz, 30-34 MHz, 34-40 MHz, 47-54 and 66-118 MHz frequency bands. Optional black ferrule, stainless steel spring or black stainless steel spring available for select models.
- Optional black ferrule or stainless steel spring available for select models. Other 3 dBd gain models available in 144-174 MHz and 2-3 dBd gain models available in 200-250 MHz.
- Other 2,3,5 and 6 dBd gain models available in 360-406 MHz (2 dBd gain only), 406-430 MHz and 470-512 MHz frequency bands. Optional black ferrule or stainless steel springs available for select models.
- Other 3 dBd gain models available in 896-970 MHz frequency band. Optional black ferrule or stainless steel spring available for select models.



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