



## VHF Base Loaded Chrome Coil Antenna, No Ground Plane

Designed for installations that lack a suitable ground plane, the MHB5802(S) antenna features a tapered loading coil jacket with chrome plated fittings and an optional heavy-duty stainless steel spring. The base loaded matching network supports the collinear or trilinear rod sections above without the need of a ground plane.

### Features

- No ground plane required
- Rugged construction; optional heavy-duty shock spring
- Sleek, sturdy, sealed phasing coil design
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts
- Field tunable within the specified frequency range



MHB5802S\*

### STANDARD CONFIGURATION

Model*	Optional Spring Available*	Recommended Mounts (Sold Separately)
MHB5802S	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts

### ELECTRICAL SPECIFICATIONS

Frequency Range	Gain	VSWR
144-174 MHz	Unity with no ground plane 2.4 dB with a ground plane	< 1.5:1 at resonance

### ELECTRICAL SPECIFICATIONS, continued

Maximum Power	Nominal Impedance	Antenna Type
200 watts	50 ohms	Base loaded 1/2 Wave

### MECHANICAL SPECIFICATIONS

Approximate Whip Length at Lowest Frequency	Temperature Range	Radiator	Housing Material	Spring Material
52"	-40°C to +85°C	17-7PH SST	Black UV-Stable Polymer	SST

\* To select spring option, add suffix "S" to part number. Example: MHB5802S