

This is the replacement match for the HD FMJ Antenna.

Constructed of:

- 316 Stainless Steel
- Poly sheath around stranded copper-clad steel wiring
- HF ferrite beads
- 99.9% Pure Copper Wire
- Nylon
- Chrome plated brass
- Brass
- Solder Wire, 60/40 Sn/Pb

NOTE - Never Remove or Loosen any of the Bolts, Washers, Nuts, or Caps on the AutoMatch.

Use:

- Uses an inductance matching network to match the capacitance of the new Alpha antenna elements.

Hardware Specifications:

- SO239 connector
- 3/8 24 bolt

Max Power (Watts):

- 250 PEP SSB
- 125 CW
- 25 Digital

Additional Information: For assembly we use a stainless-steel housing, which has

non-magnetic characteristics to eliminate eddy currents. A transformer is then wrapped in a dielectric made from flame retardant tar paper, which is then placed inside the housing. This is what gives the AutoMatch both the capacitive and inductive balance once the elements are installed.

Previous design: In July 2023 Alpha Antenna changed what was the 5:1 UnUn.

Current design: The result of this change is an arrangement to a modified 5 to 1 UnUn.

What changed?: While monitoring with both RigExert and AIM analyzers, physical changes were made in real-time to the inductor. Those analyzers simultaneously monitored all of the bands, while physical changes were made to the inductor. We stopped making changes once the best values were presented. The value of the new UnUn has not been tested, nor do we care to test it, we simply enjoy the results of a finely tuned system.

We recommend the [UHF Elbow "L" Adapter with PL259 & SO239](#) for installation on pre-2022 mounts.

For additional use, please refer to the FMJ Antenna manuals that can be found on this page: [User Manuals – Alpha Antenna](#)