



HF / SSB ANTENNA FAMILY

SCAN Antenna offers a full family of newly designed HF/SSB whip antennas where performance is the best possible and many years of hands-on experience is build-in and environmental considerations have been high on the agenda.

ELECTRICAL PERFORMANCE

The material used for the antenna conductor is selected, based on 30+ years of real-life testing. All connections of the different segments of the antenna as well as the termination stud is designed to input powers up to 1,200 watts (1.2 kW).

The basic design covers frequencies from 1.4 MHz to 30 MHz for all antennas in the family. Rx only versions are available for all lengths covering frequencies down to 150 kHz.

MECHANICAL PERFORMANCE

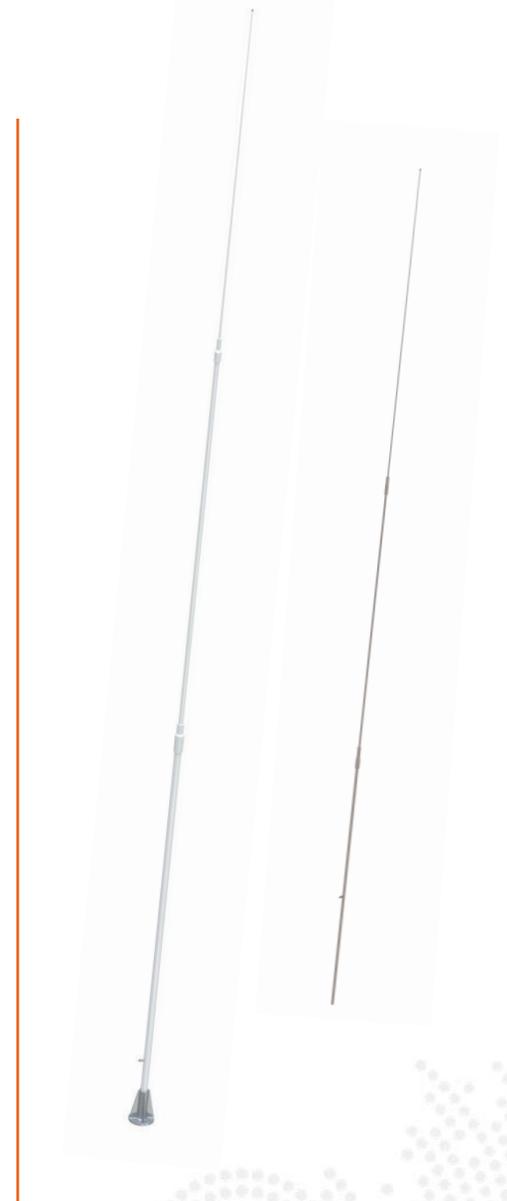
Great effort has been put into the mechanical design to ensure a durable and reliable mechanical construction.

Each segment of the antennas has different glass fiber housing optimizing flexibility and strength to withstand wind and rough seas. The top segment of the whip is always conic to underpin this. As a side effect the HF/SSB antennas are all very smooth in their physical appearance.

EASE OF INSTALLATION

No matter if you have a single core installation or feed the antenna via a coax – just order the option that suits your installation best.

In the design of the mount we have taken the need to drill holes in the deck or elsewhere on the vessel into consideration, as this is time consuming during installation as well as during repair or service.



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We have even minimized the time it takes to assemble the different segments of the antenna, knowing that time is money.

SECURITY CONSIDERATIONS

All conducting parts of the antenna are protected, meaning that accidental circuit short-cuts are prevented. Other manufacturers expose the conducting parts in the assembly of the antenna, but SCAN Antenna's HF/SSB family uses rubber caskets to prevent this.

SHIPPING OPTIMIZATION

Shipping of the antennas is of the utmost importance. Therefore we have given great consideration to optimizing the length the segments and the overall weight to allow for safe and economical transport. This is done without compromising either the electrical or the mechanical performance of the antennas.

The HF6000 series (6 meter in 3 segments) is UPS shippable and is the shortest packaging we have for HF/SSB antennas, and hence it will also fit in your service technicians car, when that is needed.

ENVIRONMENTAL CONSIDERATIONS

We have excluded the use of chrome in the antennas due to the environmentally harmful processes of both making chrome and disposing of it.

THE HF/SSB FAMILY FROM SCAN ANTENNA

Name	Length(m)	Segments	Mounting	Comment
HF5000	5	2	Clamp	
HF6000	6	3	Clamp	UPS shippable
HF7000	7	3	Clamp	
HF8000	8	3	Deck + Clamp	
HF9000	9	3	Deck + Clamp	



EXPERIENCE COUNTS

SCAN Antenna is a long-established company (formed in 1947), and have a large number of designs for customers including global blue-chip companies.

We are a technology-focused company. Growth has come from our reputation for supplying quality products, and we provide effective and well documented manufacturing and quality control. We have modern Head Quarters and laboratories with the most advanced design, simulation, test & measurement tools.

SCAN Antenna supply for heavy duty use when connectivity is vital and truly matters.

More than a million marine antennas has been produced at our factory. That product line has primarily been under private label. Thus, so far we are relatively unknown in the market.

