

Shakespeare[®]



**Commercial
Antennas**

The logo for Shakespeare, featuring the word "Shakespeare" in a black, elegant cursive script with a registered trademark symbol (®) to the upper right. The logo is centered between two horizontal bars: a blue bar on top and a green bar on the bottom.

About Us

Shakespeare® is a global antenna brand with a reputation for superior quality, performance and durability. With manufacturing and distribution centers in Asia, North America and Europe, we are positioned to deliver excellent service to our customers worldwide. We have a rich tradition serving both military and civilian maritime customers globally, and we offer our customers high quality products that have been perfected through a strong collaboration with professionals, Navies and Coast Guards since 1952. Our antennas comply with GMDSS standards, and are UV resistant.

Although we are very proud of our premier antenna portfolio, our approach to satisfying customers reaches far beyond antenna design and technology. With unparalleled focus on service and ease of doing business, there is simply no reason to look anywhere else for your antenna partner.





Customized Solutions

While our extensive product portfolio will cover most needs in the marine antenna market, we also offer customized solutions for special applications. Please contact your Shakespeare representative for more details.



All Shakespeare products are backed by industry leading warranty coverage, ranging from 2 to 5 years depending on product. See warranty details in the product descriptions or online.



Table of Contents

AIS Antennas	4
VHF Antennas	6
SSB Antennas	10
CB Antennas	13
Specialty Antennas	14

For more information and a complete product listing, please visit our web site at www.shakespeare-marine.com

AIS Antennas

AIS-COM

**5.4' (1.65m) AIS Band 3dB Gain
Commercial AIS antenna**

The AIS-COM antenna is designed to withstand the harshest marine environments. Made of rugged fiberglass construction, this antenna has radiating elements sealed within a GRP tube of epoxy resin which is sealed at both ends. The antenna includes 1m of RG213 low-loss cable and is terminated with an N Connector. The AIS-COM offers good bandwidth and low VSWR characteristic. Set to 161 – 162.5 MHz for AIS use. Mounting is by use of included 4715 clamp.

- High grade aluminum elements
- Mounting sleeve
- Type "N" connector inside mounting sleeve
- 4715 mount included
- One section: 1.65m

Max. Power Input: 100 watts

SWR Nominally: 1.5:1 161.5 MHz

Bandwidth: 5 MHz within 2.0:1 VSWR

Frequency: AIS Marine Band



396-1-AIS

4' (1.2m) VHF AIS 3dB Gain

Designed to meet the broader bandwidth requirements of all popular AIS transceivers, commercial-grade construction of this 4' broadband antenna is complete with a mast mounting sleeve. Brass and copper elements sealed within the durable, fiberglass radome enhance quality transmissions.

- Brass and copper elements
- SO-239 connector at the base
- U-Bolts included; or use optional 4715 mounting clamps – see page 6
- Coax cable sold separately
- One section: 1.2m

Max. Power Input: 50 watts

SWR Nominally: 1.5:1 at 158 MHz

Bandwidth: 6 MHz within 2.0:1 VSWR

Frequency: VHF AIS Marine Band



6396-AIS

4' (1.2m) AIS/VHF 3dB Gain

Specially engineered for the extra bandwidth required by AIS transceivers, this Phase III™ antenna enables reliable communication over marine VHF frequencies. The foam-filled radome and silver-plated elements enhance the antenna's technical performance and longevity to meet your needs.

- Silver-plated outer conductor, copper inner conductor
- Stainless steel mounting sleeve
- Type "N" connector inside mounting sleeve for easy mounting and dismounting for stowage
- Suggested mount: Shakespeare® Style 4187-HD Ratchet Mount
- One section: 1.2m

Max. Power Input: 50 watts

SWR: Less than 1.5:1 at 162 MHz

Bandwidth: 5 MHz within 2.0:1 VSWR

Frequency: VHF AIS Marine Band



VHF Antennas

6018-R

17' 6" (5.3m) VHF Marine Band
9dB Gain

Good communication over the VHF Marine Band depends on antenna height, quality and dB Gain. This high performing Phase III™ marine antenna is a powerhouse providing all of those necessities in our rugged, high-strength, Ethafoam spacer system for stability in high seas, high winds and high speeds.

- Silver-plated outer conductor, copper inner conductor
- Stainless steel mounting sleeve
- Type SO-239 connector inside mounting sleeve for easy mounting and dismounting for stowage
- Suggested mount: Shakespeare® Style 409-R or 410-R Mounting Kit
- Two sections: Base 110" (2.8m), Tip 110" (2.8m)

Max. Power Input: 150 watts

SWR: Less than 1.5:1 at 156.8 MHz

Bandwidth: 3 MHz within 2.0:1 VSWR

Frequency: VHF Marine Band



6225-R

8' (2.4m) VHF Marine Band 6dB Gain

Built for performance and durability, this flagship Phase III™ VHF antenna will stand strong against high speeds and high winds. Combining our innovative construction of the Ethafoam spacer system with a sleek and luxurious appearance, this antenna is a master of VHF communication.

- Silver-plated outer conductor, copper inner conductor
- Stainless steel mounting sleeve
- Type SO-239 connector inside mounting sleeve for easy mounting and dismounting for stowage
- Suggested mount: Shakespeare® Style 4187-HD Ratchet Mount
- One section: 2.4m

Max. Power Input: 150 watts

SWR: Less than 1.5:1 at 156.8 MHz

Bandwidth: 3 MHz within 2.0:1 VSWR

Frequency: VHF Marine Band



VHF Antennas

4018-M

19' (5.8m) VHF Marine Band 9dB Gain

Despite the exceptional light weight of this long-distance VHF antenna, quality build and rigidity enable it to uphold an erect position in rough seas. This level of durability and performance, along with the lasting beauty of the pristine white radome, make the Classic 4018 the top choice for charter boat captains and experienced sport fishing enthusiasts. Includes a special sleeve for mast mounting. Used primarily for land-based stations and on commercial vessels.

- Brass and copper elements
- Mid-section ferrules: chrome-plated brass; bottom ferrule: Marine-grade aluminum sleeve
- SO-239 connector at base
- Suggested mount: Mast mount using supplied 1 3/4" U-bolts; or use optional 4715 mounting clamps – see page 6
- Two sections: Base 162" (4.1m), Tip 66" (1.7m)

Max. Power Input: 50 watts

SWR Nominally: 1.5:1 at 156.8 MHz

Bandwidth: 3 MHz within 2.0:1 VSWR

Frequency: VHF Marine Band



476

21' (6.4m) VHF Marine Band 10dB Gain

The Classic 476 is an exemplary model of the high quality and performance boaters trust in a Shakespeare® antenna. Particularly designed to deliver a message at all costs, our 21' VHF antenna positions the signal on the horizon to provide gain in all directions. Ideally built for heavy-duty seagoing applications, such as workboats, tugs and tidal well service boats, this Classic is also an excellent choice for land-based stations.

- Brass and copper internal elements
- SO-239 connector at the base
- Mount: The 476 has a 2 3/4" diameter x 26" long 6061-T-6 Marine-grade aluminum sleeve which can be strapped directly to a mast or used with Shakespeare® Style 484 Wall Mounting Brackets
- One section: 6.4m

Max. Power Input: 350 watts

SWR Nominally: 1.5:1 at 156.8 MHz

Bandwidth: 10 MHz within 2.0:1 VSWR

Frequency: VHF Marine Band



4715 Mounting Clamps

- Two clamps per set.
- Pliable rubber pad cushions the antenna
 - Sturdy construction



All fiberglass should be even with or above the mast.

Style 484 Bulkhead /Wall Brackets

Heavy-duty galvanized steel.
Sold separately.



All fiberglass should be even with or above the wall/bulkhead.

PHASE III™

Our line of Phase III™ marine antennas started with the idea to improve the best antennas. Through close collaboration with professionals in the civil and military markets, we were able to produce the finest, highest performing marine antennas ever built. Backed by our 5 year warranty, these antennas are built to last in the harshest marine environments. To maximize the performance of your marine radio, choose our Phase III™ products.

Quality Conductors

Stranded, high-quality tinned copper inner conductor maximizes signal strength

12-Sided Facet

Indexes and prevents the antenna from rotating during installation

Versatile Stainless Steel Ferrule

Polished to a high luster, our versatile stainless steel ferrule assembly provides installation flexibility

Ethafoam Spacer System

Isolates the radiators from vibration and moisture for long, dependable service

Silver-Plated Elements

All Phase III™ antennas have silver-plated elements for maximum electrical efficiency that actually improves with age

Shakespeare® Fiberglass Radome

For mechanical support, our high-strength fiberglass radomes are unsurpassed in the industry

SO-239 Connector

Remove or install your Phase III™ antenna without re-routing coax



VHF Antennas

HS-2774-1-R

6' 6" (2m) Broadband 4dB Gain

Built for maximum performance, this 6' 6" broadband antenna can handle continuous duty at maximum input power. Our master craftsmen hand solder, hand assemble and hand finish the self-supporting antenna designed primarily for military, commercial, law enforcement, and disaster preparedness applications. No tuning or ground plane required.

- Hand soldered brass elements for maximum range and efficiency
- High-gloss, non-yellowing polyurethane finish
- Stainless steel ferrule, standard 1"-14 threads
- Includes 20' of RG-8/X low-loss cable plus a PL-259 connector
- Suggested mount: Use only Shakespeare® Style 4187-HD for self-supporting applications; use a Style 410-R if an upper support bracket installation is preferred
- One section: 2m

Max. Power Input: 125 Watts - continuous

VSWR: Less than 2:1 across the 136-174 MHz VHF band

Directive Gain On the Horizon: @136 MHz +3.3dBi;

@ 154 MHz +4dBi; @174 MHz +4.3dBi

Frequency: 136-174 MHz

U.S. Patent 5,982,332



6400-R

4' (1.2m) VHF Marine Band 3dB Gain

Collinear-Phased 5/8 Wave Elements

This high performing, 4' VHF antenna is infused with the quality of our incomparable Phase III™ electronic elements. The commercial grade antenna is great for hardtops, T-tops and other locations aloft where the compact size can deliver reliable communications via VHF radios. The master craftsmanship of the Ethafoam spacer system positions this antenna within our finest line.

- Silver-plated outer conductor, copper inner conductor
- Stainless steel mounting sleeve
- Type SO-239 connector inside mounting sleeve for easy mounting and dismounting for stowage
- Suggested mount: Shakespeare® Style 4187-HD Ratchet Mount
- One section: 1.2m

Max. Power Input: 150 watts

SWR: Less than 1.5:1 at

156.8 MHz

Bandwidth: 3 MHz within

2.0:1 VSWR

Frequency: VHF Marine Band



MD-15

9' (2.7m) VHF Marine Band 3dB Gain Commercial VHF antenna

The MD15 is a heavy duty stacked collinear antenna with 3dBd gain. The antenna element is made from solid brass and steel bar. The antenna offers a good wide bandwidth/VSWR characteristic set to 156-162MHz for marine band use. Mounting is by use of included side clamps (4715).

- Solid Brass and Steel elements
- GRP tube filled with closed cell foam and epoxy resin
- 1 meter of RG-213 coax with N connector
- 4715 mount included
- One section: 2.7m

Max. Power Input: 150 watts

SWR Nominally: 1.5:1 156.8 MHz

Bandwidth: 5 MHz within 2.0:1 VSWR

Frequency: VHF Marine Band



MD-70

5' (1.5m) VHF Marine Band 3dB Gain Commercial VHF antenna

The MD-70 is a 3dB end fed antenna, fully sealed in a GRP tube. The antenna offers a good wide bandwidth/VSWR characteristic to cover the full 156-162MHz marine band. Mounting is by use of the included V-bolts that can clamp to a horizontal or vertical pole.

- Solid Brass elements
- Integrated V-bolt system
- 1 meter of RG-213 coax with N connector
- V-bolts included
- One section: 1.5m

Max. Power Input: 150 watts

SWR Nominally: 1.5:1 156.8 MHz

Bandwidth: 5 MHz within 2.0:1 VSWR

Frequency: VHF Marine Band



MD-7A

5' (1.55m) VHF Marine Band 3dB Gain
Commercial VHF antenna

The MD7A is of rugged construction with the radiating elements sealed within a GRP tube with closed cell foam and epoxy resin. The antenna offers a good wide bandwidth/VSWR characteristic within the frequency range 156 - 162 MHz supplied complete with 1 meter of RG213 low loss coaxial cable with fitted 'N' type jack and stainless steel clamps (4715).

- High grade aluminum elements
- GRP tube filled with closed cell foam and epoxy resin
- 1 meter of RG-213 coax with N connector
- 4715 mount included
- One section: 1.55m

Max. Power Input: 100 watts
SWR Nominally: 1.5:1 156.8 MHz
Bandwidth: 5 MHz within 2.0:1 VSWR
Frequency: VHF Marine Band



1200-V

4' (1.26m) VHF Marine Band 3dB Gain
Commercial VHF antenna

This commercial antenna is designed for commercial operators where performance and ease of installation are a necessity. With brass and copper elements for extra performance and wide frequency range (16MHz) to meet the demands of professional operators (146-162MHz).

- Brass and copper elements
- Chrome-plated brass ferrule with standard 1"-11 BSP thread
- Type SO-239 connector inside mounting sleeve for easy mounting and dismounting for stowage
- Suggested mount: Standard 1" 11 thread mount
- One section: 1.26m

Max. Power Input: 100 watts
SWR Nominally: 1.5:1 at 156.8 MHz
Bandwidth: 16 MHz within 2.0:1 VSWR
Frequency: VHF Marine Band



HF/SSB Antennas

222-BA

**35' (10.6m) HF/SSB Band
Commercial HF/SSB antenna**

This Heavy-duty thirty-five shipboard antenna can be found in use worldwide. Using the Shakespeare fiberglass process assures this antenna of seaworthy construction for years to come. An integrated base flange is used for mounting this antenna in a self-supporting fashion where take down and storage is not required. Separate insulators are not required and the antenna comes with a side-feed termination point. A must have antenna for any commercial vessel traveling international waters.

- Brass and copper elements
- Integrated Steel base flange
- Side-feed termination stud
- Self-supporting
- Two sections: Base 17'6" (5.3m), Tip 17'6" (5.3m)

Max. Power Input: 5 KW

SWR Nominally: N/A

Bandwidth: Resonant Frequency 10.8 MHz

Frequency: HF/SSB Band



9000-H

**30' (9m) HF/SSB Band
Commercial HF/SSB antenna**

This commercial antenna is designed for large vessels where highest HF-band performance is required. The three-piece Style 9000-H easily accommodates up to 1.2 kw. Its pristine white Shakespeare fiberglass radome will give years of service while the copper elements will ensure performance over the entire HF band.

- Brass and copper elements
- Mounting collars
- Side-feed termination stud
- Suggested mount: 4715 or 484
- Three section: Base 12.1' (3.7m), Mid 8.7' (2.64m), Tip 8.7' (2.63m)

Max. Power Input: 1.2 KW

SWR Nominally: N/A

Bandwidth: Resonant Frequency 10.8 MHz

Frequency: HF/SSB Band



9010-H

**30' (9m) HF/SSB Band
Commercial HF/SSB antenna**

This commercial antenna is designed for large vessels where highest HF-band performance is required. The four-piece Style 9000-H easily accommodates up to 1.2 kw. Its pristine white Shakespeare fiberglass radome will give years of service while the copper elements will ensure performance over the entire HF band. Ships in under 10' (3m) in length.

- Brass and copper elements
- Mounting collars
- Side-feed termination stud
- Suggested mount: 4715 or 484
- Four section: Base 3.4' (1.03m), Mid A 8.8' (2.66m), Mid B 8.7' (2.64m), Tip 8.7' (2.63m)

Max. Power Input: 1.2 KW

SWR Nominally: N/A

Bandwidth: Resonant Frequency 10.8 MHz

Frequency: HF/SSB Band



8000-H

**27' (8m) HF/SSB Band
Commercial HF/SSB antenna**

This commercial antenna is designed for large vessels where highest HF-band performance is required. The three-piece Style 8000-H easily accommodates up to 1.2 kw. Its pristine white Shakespeare fiberglass radome will give years of service while the copper elements will ensure performance over the entire HF band. Ships in under 3' (3m) in length.

- Brass and copper elements
- Mounting collars
- Side-feed termination stud
- Suggested mount: 4715 or 484
- Three section: Base 8.8' (2.66m), Mid 8.7' (2.64m), Tip 8.7' (2.63m)

Max. Power Input: 1.2 KW

SWR Nominally: N/A

Bandwidth: Resonant Frequency 10.8 MHz

Frequency: HF/SSB Band



4328

28' (8.2m) HF/SSB

Self supporting whip antenna with conductors running full length (no loading coil)

This commercial antenna is designed for large vessels where highest HF-band performance is required. The two-piece Style 4328 easily accommodates input up to 1 kilowatt. Its white Shakespeare® fiberglass radome has a built in flange base for mounting to a deck as a self-supporting antenna.

- Chrome-plated brass center fittings, anodized aluminum mounting flange
- Side-feed termination band
- Self-supporting
- Two sections: Base 192" (4.9m), Tip 144" (3.7m)

Max. Power Input: 1 KW

Resonant Frequency: 8.4 MHz

Frequency: 2-30 MHz with tuner
(tuner not supplied)



5300

28' (8.5m) HF/SSB Marine Band

This heavy-duty performer is designed primarily for larger commercial vessels, which demand peak performance over the entire HF marine band. This antenna allows input power up to 1 KW and permanently seals conductors within the pristine white, Shakespeare® fiberglass.

- Chrome-plated brass center fittings; anodized aluminum bottom ferrule
- Side feed termination band
- Mount: The 2 3/8" diameter x 24" long 6061-T-6 anodized aluminum sleeve can be strapped directly to a mast or used with Shakespeare's Style 484 Wall Mounting Brackets
- Two sections: Base 192" (4.9m), Tip 144" (3.7m)

Max. Power Input: 1 KW

Resonant Frequency: 8.4 MHz

Frequency: 2-30 MHz with tuner
(tuner not supplied)



Mounting base is 7" in diameter.
Cable sold separately.

HF/SSB Antennas

390

23' (7m) SSB Marine Band

This award-winning performer is often called "the standard of the industry" by virtue of its capabilities and popularity. Reinforced insulating qualities of this antenna allow input power up to 1 KW. Shakespeare's durable fiberglass seals the conductors to optimize the performance and efficiency of long range communication.

- Chrome-plated brass ferrules; bottom ferrule has 1"-14 thread
- Side feed termination band
- Suggested mount: Style 409-R or 410-R Mounting Kit
- Two sections: Base 162" (4.1m), Tip 112" (2.9m)

Max. Power Input: 1 KW

Resonant Frequency: 10.8 MHz

Frequency: 2-30 MHz with tuner (tuner not supplied)



390-1

23' (7m) SSB Marine Band

Same as Classic 390 only with anodized Almag 35 aluminum base flange and side feed termination band. Base is 6" in diameter.



6390-R

18' 4" (5.6m) SSB Marine Band

For long range HF/SSB communication, this side-fed antenna handles 1 KW output power. Silver-plated elements inside of the Ethafoam spacer system provide superior performance and stability in tough conditions.

- Silver-plated outer conductor, copper inner conductor
- Stainless steel mounting sleeve
- Side-fed termination stud
- Suggested Mount: Style 409-R or 410-R Mounting Kit
- Two sections: Base 110" (2.8m), Tip 110" (2.8m)

Max. Power Input: 1 KW

Resonant Frequency: 10.8 MHz

Frequency: 2-30 MHz with a tuner (tuner not supplied)



CB Antenna

176-1 Marine Big Stick™ 18' (5.5m) CB Marine 7.65dB Gain

For work boat and large yacht installation, this Big Stick™ CB antenna provides maximum performance and durability for long distance communication over your CB radio. The pristine white, high-gloss finish of this 18' antenna signifies the hand craftsmanship and lasting beauty of a genuine Shakespeare® product.

- Chrome-plated brass ferrules with 1"-14 thread
- SO-239 connector on the side of the ferrule
- Suggested mount: Style 409-R or 410-R Mounting Kit
- Two sections: Base 120" (3.1m), Tip 96" (2.4m)

Max. Power Input: 300 watts

SWR Nominally: 1.5:1 or less at
Channel 19

Frequency: 27 MHz Citizens Band

DC Grounding: Yes



Support bracket should
be mounted 3'-5'
from base on 18' antennas.



Specialty Antennas

JF-3

Versatile, Multi-Band Antenna

The JellyFish is a 3-way omni-directional, IP67 waterproof antenna for marine communication and transportation harsh environment applications. This antenna delivers advanced antenna technology for GPS/2G/3G/4G/WiFi in a compact package. The functions of WiFi include 802.11abgn and emerging 802.11ac. The antenna has its own ground-plane and can radiate on any mounting surface such as metal, plastic, or fiberglass without affecting performance.

- 3-in-1 antenna functions
- High performance for GPS/WiFi/2G/3G/4G
- Resistant to harsh outdoor environment
- Omni-directional for cellular system
- 1 Cellular/LTE (2G/3G/4G) antennas
- 1 WiFi (802.11abgn, ac) 2.4/5G antennas
- 1 GPS antenna
- Waterproof IP67
- Mounting Thread: M20 x 2.5mm
- Dimensions: 1.6" (4cm) X 4" (10.2cm)



Frequency band	2.4~2.5GHz	5~5.4GHzHz	5.4~5.9GHzHz
Average peak gain	4.8dBi	6.9dBi	7.7dBi
Average efficiency	73%	65%	70%
VSWR Max	3.0:1	3.0:1	3.0:1
Impedance	50Ω		
Pattern type/polarization	Omni-directional/ linear		
Power handling	25 watt		

Frequency band	1575.42 ± 2MHz
VSWR	1.5 Max
Bandwidth	20MHz Min. at -10dB
Axial ratio / Polarization	3dB Max. on a 70mm x 70mm ground plane / Right hand circular
Peak Gain:	4dBic Min. at 0° on a 70mm x 70mm ground plane
Gain & radiation coverage:	≥-4dBic at -90°≤θ≤90° (over 75% volume)
Gain	27dB Typical
Noise figure	2.5dB Max.
LOW voltage operation	2.7-6.0Vdc
Impedance	50 OHMS
VSWR	2:1 Max.
Brand rejection	-35dB@±100MHz
Power handling	1W Max.
Current	10±3mA

Frequency band	LTE 696~800MHz	AMPS/GSM 824~960MHz	DCS/PCS 1710~1990MHz	WCDMA 1920~2170MHz 2600 MHz
Average peak gain	2.6dBi	-0.1dBi	6.7dBi	6.8dBi
Average efficiency	64%	39%	78%	80%
VSWR Max	3.0:1	3.0:1	3.0:1	2.0:1
Impedance	50Ω			
Pattern type/polarization	Omni-directional/ linear			
Power handling	25 watt			



5239

9.25" (23cm) World Band Cellular 3dB 698-960 MHz and 1700-2700 MHz Cellular

698-960 MHz and 1700-2700 MHz Cellular
The Galaxy 5239-P antenna is our smallest Galaxy antenna, but don't let the size fool you. This World-band antenna provides coverage for 2G/3G/4G and WLAN systems for Cellular, PCS, AWS and LTE frequencies, as well as 802.11n Wi-fi. This compact, feature rich antenna is at home on virtually any watercraft, and is fitted with a stainless steel ferrule and N-connector that are compatible with nearly all Shakespeare 1in -14 threaded mounts.

- Full Band (698 – 2700 MHz) Broadband
- 2G/3G/4G and WLAN systems
- Wi-fi 802.11n compatible
- Designed for marine use
- Omni-directional antenna 3-4 dB Gain.
- Easy to install

For use with dual band and multi band amplifiers

Technical Specifications:

- Frequency 698-960/1700-2700MHz
- Input Impedance 50 ohm
- Antenna Gain 2-3dB at 698-960 MHz
- 3-4dB at 1700-2700 MHz
- VSWR ≤ 1.8
- Power Rating (W) 10
- Polarization Type Vertical
- Radiation Omni-directional
- Maximum Power 100 Watt
- Connector type N-Female or based on customer re-quest
- Dimension 9.25" (23.5cm) x 2.625" (6.7cm)
- Color White
- Operating Temperature -22° F Degrees to +176° Degrees
- Mount Mounts on roof or wall
- Beamwidth E:72 H:92/ E:50 H:80
- Groundplane Built-in ground plane
- Material Fiberglass





Shakespeare®

Celebrating over 100 years of innovation, Shakespeare® is the premier supplier of marine and military antennas, including land and emergency systems antennas.

Shakespeare® Headquarters
6111 Shakespeare® Rd.
Columbia SC 29223
Tel: +1-803-227-1590

Shakespeare® European Operations
Enterprise Way, Fleetwood, Lancashire,
FY7 8RY, England
Tel: +44 (0) 1253-858787

www.shakespeare-marine.com