

# MobileMark

antenna solutions



## Product Catalog 2018-2019 Comtelco Brand UHF, VHF, Cellular & ISM

Moving Wireless Forward®

Innovative antenna designs • Responsive manufacturing • Trusted partner

## MOVING WIRELESS FORWARD® WITH MOBILE MARK, INC. & COMTELCO BRAND ANTENNAS

Mobile Mark is a leading supplier of innovative, high performance antennas to wireless companies across the globe. We've been in the wireless industry for over 30 years and have our roots in the early Cellular trials. We have grown and evolved over the years, along with the industry.

As part of our evolution, Mobile Mark is pleased to welcome Comtelco into the Mobile Mark family of antennas. The Comtelco Brand antennas embody reliability and high performance and complement the current Mobile Mark antenna line.

The products in this catalog represent the traditional Comtelco line. We thank you, our customers, for being our partners as we blend together the two product lines.

Mobile Mark will continue to invest in product development for the Comtelco Brand antennas. We have the engineering capabilities to take a project from initial concept through to final production. With the move to larger production facilities in both the US and the UK, we have the enhanced plant capacity and the staffing flexibility to meet OEM production volumes as required.

Rapid prototyping capabilities allow us to take our designs from concept to reality in an extremely short time span, and to verify the performance of the antenna. A variety of network analyzers and an anechoic chamber enable us to conduct measurements up to 13GHz and ensure that the antennas designed meet or exceed customer requirements.

We have onsite injection molding equipment and a fully equipped modeling shop, including CNC machine, staffed with skilled model makers to assist in the design phase and help us come up with a superior product—an antenna that not only meets the customer's electrical specifications but is also very attractively packaged.

We are proud to offer exceptional antennas as well as outstanding customer service. Mobile Mark is committed to *Moving Wireless Forward*®.



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We would like to draw your attention to a number of featured products listed on this page. As a result of our work in designing product for Positive Train Control (PTC), we have expanded our line of multi-directional antenna systems. We have developed some new methods, using modular power dividers and special mounting options to provide simple, easy to install ways to send signals in multiple directions.

### ED & EDX FOLDED DIPOLES

The ED450, ED220 and ED150 are self-contained units with integrated masts and internal wiring. The EDX450, EDX220 and EDX150 are bolt-on elements that are designed for simple installation on a user supplied mast.



EDX220

### Y66 SERIES FULLY WELDED YAGIS

The Y66 Series yagis feature 3/8" solid elements and an entirely enclosed feed system.



A15WB698, A55136TBS, A18HDWB

### NO TUNE, WIDE BAND MOBILE ANTENNAS

A15WB698A 698-2700MHz

### NO TUNE, TRI-BAND ANTENNAS

A55136TB, TBS 136-174MHz, 380-490MHz, 698-870MHz

### NO TUNE, LOW BAND, WIDE BAND

The A18HDWB series antennas provide wider bandwidth operation with no tuning or cutting across the specified frequency range.



BCM727

### BSJ727

The BSJ727 is a 3dBd outdoor omni-directional base station antenna covering 698MHz- 2700MHz. The radome is polyester coated fiberglass and various mount arrangements are available.



BSJ727

### BCM727

This antenna is a ceiling mount omni-directional antenna covering 698MHz-2700MHz. Specifications for these antennas can be found on our web site.



Y6646D Fully Welded Tubular

### Y442458HDSM

This antenna is a log periodic Yagi antenna that covers all bands between 1.6GHz and 6.0GHz. It provides 8dBi gain in an enclosed radome with a swivel mount. It is an outstanding choice as a directional outdoor antenna.



Y442458HDSM

### Y42400WB & Y42700WB

These wide band Yagi antennas are fully welded and epoxy powder coated. They have an enclosed feed for outstanding environmental stability. They feature a log periodic design. The Y42400WB covers from 400MHz to 800MHz with 7dBd gain. The Y42700WB covers from 698MHz to 2800MHz with 8dBd gain.



Y42700WB  
Y42400WB

### 2Y6623CC

Bi-directional antenna system featuring 2-Y6623 Yagi antennas with a CC220 power divider with optional mounting hardware.



2Y6623CCMNTH

### BCM24MIMO

These antennas provide 3dBd/5dBi gain in a multiple in multiple out configuration. Designed for indoor or outdoor service. They have a power handling capacity of 150 watts. The BCM24MIMO provides excellent performance over a wide frequency spectrum.



BCM24MIMO

## TAKE TIME TO COMPARE OUR FULL ELEMENT CONSTRUCTION

### BASE STATION ANTENNAS

Mobile Mark, Inc. manufactures all base station antennas in our plant in Itasca, Illinois. In developing our designs, we use the latest state of the art test and measurement equipment available.

Our antennas are manufactured using proven design techniques and specialized materials that provide economical and reliable long-term operation.

Our designs are constantly being reviewed and upgraded. We want to be certain that the best possible product is always being shipped.

Our omnidirectional base station antennas are mostly center fed dipoles available in various configurations.

Specific applications are addressed by offering both standard bandwidth and wide bandwidth antennas at certain frequencies.

Special mounting options are also available.

The construction used in our antennas features copper alloy elements soldered and/or welded for electrical mechanical integrity.

The element structure is encased in a UV inhibited fiberglass radome assuring long life and excellent resistance to harsh environments.

This design allows for high power handling capability while minimizing intermodulation. Construction of this type is not usually used in lower cost base station antennas.

A complete drain system provides the necessary means of dissipating any moisture buildup from condensation caused by temperature fluctuations.

Check out the new offerings for 2.4GHz, 5.8GHz, and 380MHz for homeland security.

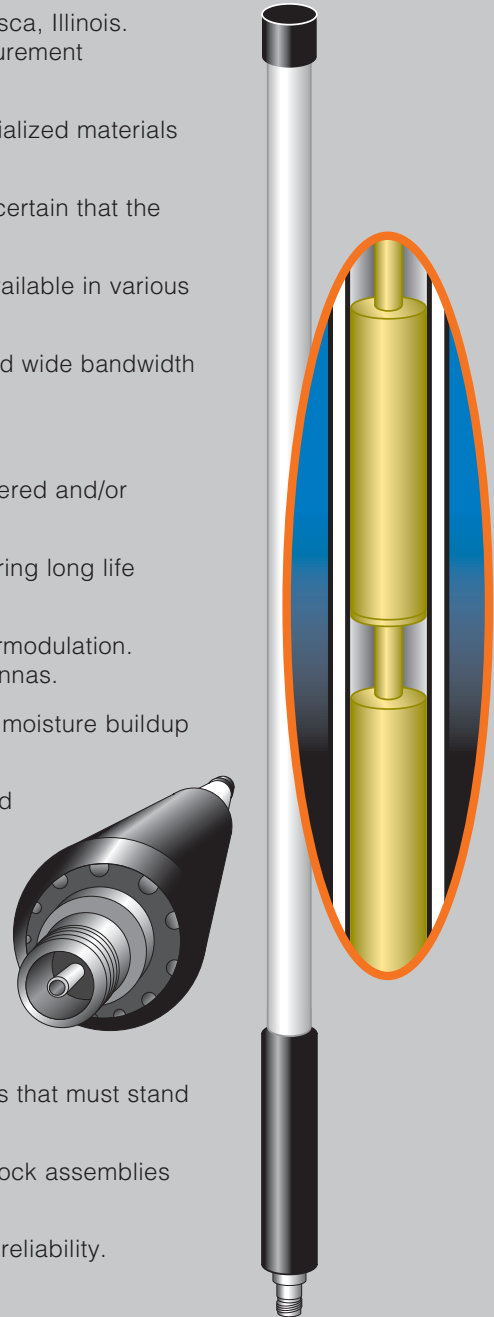
Our 1.5" diameter heavy-duty BSL series base station antennas are robust antennas, built to stand up to the most demanding applications. They set a new standard for reasonably priced, heavy-duty base station antennas.

A complete lineup of mounting accessories is available to support the Comtelco brand base station antenna product line.

Galvanized steel tower support arms provide rugged mounting for antennas that must stand off tower legs.

Stainless steel mount kits, V-bolt brackets and powder-coated aluminum block assemblies allow ease of mounting and resistance to corrosion.

All of these products have been designed and manufactured for long-term reliability.





## XL SERIES BASE STATION ANTENNAS

### VHF Unity Gain, 96"

Custom order center frequencies

BS100U-XX	75-140MHz
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### VHF Unity Gain, 64"

BS150U-A	144-150MHz
BS150U-B	150-156MHz
BS150U-BC	153-159MHz
BS150U-C	156-162MHz
BS150U-D	162-168MHz
BS150U-E	168-174MHz
BS220U-A	200-210MHz
BS220U-B	210-220MHz
BS220U-C	215-225MHz

### VHF 3dBd Gain, 98"

BS150XL3-A	144-150MHz
BS150XL3-B	150-156MHz
BS150XL3-BC	153-159MHz
BS150XL3-C	156-162MHz
BS150XL3-D	162-168MHz
BS150XL3-E	168-174MHz
BS220XL3-A	200-210MHz
BS220XL3-B	210-220MHz
BS220XL3-C	215-225MHz

### 375MHz 3dBd Gain, 36"

BS380XL3-A	375-400MHz
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### UHF Unity Gain, 32"

BS450U-A	406-430MHz
BS450U-B	430-450MHz
BS450U-BC	445-465MHz
BS450U-C	450-470MHz
BS450U-CD	460-480MHz
BS450U-D	470-490MHz
BS450U-DE	480-500MHz
BS450U-E	490-512MHz

### UHF Wide Band

BS450U-WB	Unity Gain 450-512MHz	32"
BS450XL3-WB	3dB Gain 450-512MHz	67"

### UHF 3dBd Gain, 36"

BS450XL3-A	406-430MHz
BS450XL3-B	430-450MHz
BS450XL3-BC	445-465MHz
BS450XL3-C	450-470MHz
BS450XL3-CD	460-480MHz
BS460XL3	460-533MHz
BS450XL3-D	470-490MHz
BS450XL3-DE	480-500MHz
BS450XL3-E	490-512MHz

### UHF 4.5dBd Gain, 67"

BS450XL4.5-A	406-430MHz
BS450XL4.5-B	430-450MHz
BS450XL4.5-BC	445-465MHz
BS450XL4.5-C	450-480MHz
BS450XL4.5-D	470-490MHz
BS450XL4.5-DE	480-500MHz
BS450XL4.5-E	490-512MHz

### UHF 6dBd Gain, 98"

BS450XL6-A	406-440MHz
BS450XL6-B	440-460MHz
BS450XL6-C	450-470MHz
BS450XL6-D	460-480MHz
BS450XL6-E	480-512MHz

### 500/600MHz 3dBd Gain, 21"

BS530XL3	530-578MHz
BS578XL3	578-650MHz
BS650XL3	650-698MHz
BS698XL3	698-870MHz

### 700MHz 5dBd Gain, 62"

BS725XL5	690-746MHz
BS750XL5	746-796MHz

### 700/800MHz Unity Gain Wide Band, 20"

BS750UWB	746-896MHz
BS800UWB	806-960MHz
BSM800UWB	806-960MHz

All lengths of base station antennas are maximum.  
 See Data Sheets on Web for exact lengths.



BS150U



BSMNT1



BSMNT2



BSM698FS3BKT



BSDB18U8

Copper alloy elements in UV white fiberglass tube  
 Type N female termination, options available  
 Heavy wall epoxy coated aluminum sleeve  
 150 MPH wind survival, 250 watt power rating

### 698-2700MHz 3dBd Full Spectrum

BSM698FS3BKT	698-2700MHz
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### 800MHz 3dBd Wide Band Gain, 38"

BS800XL3WB	806-960MHz
BSM800XL3WB	806-960MHz

### 900MHz 3dBd Gain, 36"

BS915XL3	900-930MHz
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### 800/900MHz 5dBd Gain, 50"

BS800XL5-A	806-866MHz
BS800XL5-C	825-896MHz
BS800XL5-E	890-970MHz
BS915XL5	900-930MHz

### 800/900MHz 6.5dBd Gain, 62"

BS800XL7-A	806-866MHz
BS800XL7-C	825-896MHz
BS800XL7-E	890-970MHz
BS915XL7	900-930MHz

### 1GHz through 6GHz

BS1350XL5-WB	1200-1550MHz,	6.5dBi, 40"
BS1710XL3	1710-1850MHz,	5dBi, 18"
BS1710XL6	1710-1850MHz,	7.5dBi, 24"
BS1850XL3	1850-1990MHz,	5dBi, 18"
BS1850XL6	1850-1990MHz,	7.5dBi, 24"
BS2400XL3	2400-2500MHz,	5dBi, 18"
BS2400XL6	2400-2500MHz,	7.5dBi, 24"
BS2400XL12	2400-2500MHz,	14dBi, 60"
BS3500XL6	3300-3600MHz,	8dBi, 24"
BS5800XL10	5.72-5.92GHz,	12dBi, 30"

### Dual Band VHF / UHF Unity Gain

Custom order center frequencies

BSDB31U	140-174 / 440-512MHz, 67"
BSDB31U9	315-325 / 900-930MHz, 38"

### Tri Mode 800 / 1900 Cell / PCS 3dB, 17"

BSDB18U8	825-896 / 1850-1990MHz
BSDB18U9	921-960 / 1805-1880MHz

BSMNT1	Single XL Mount Bracket
BSMNT2	Dual XL Mount Bracket

## BSL SERIES HEAVY DUTY BASE STATION ANTENNAS

### HF Unity Gain, 144"

Custom order center frequencies

BSL150U-XX	45-75MHz
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(Not UPS Shippable)

### VHF Unity Gain, 96"

Custom order center frequencies

BSL100U-XX	75-140MHz
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### VHF Unity Gain, 64"

BSL150U-A	144-150MHz
BSL150U-B	150-156MHz
BSL150U-C	156-162MHz
BSL150U-D	162-168MHz
BSL150U-E	168-174MHz
BSL220U-A	200-210MHz
BSL220U-B	210-220MHz
BSL220U-C	215-225MHz

### VHF 3dBd Gain, 98"

BSL150XL3-A	144-150MHz
BSL150XL3-B	150-156MHz
BSL150XL3-C	156-162MHz
BSL150XL3-D	162-168MHz
BSL150XL3-E	168-174MHz
BSL220XL3-A	200-210MHz
BSL220XL3-B	210-220MHz
BSL220XL3-C	215-225MHz

### UHF Unity Gain, 32"

BSL450U-A	406-430MHz
BSL450U-B	430-450MHz
BSL450U-BC	445-465MHz
BSL450U-C	450-470MHz
BSL450U-CD	460-480MHz
BSL450U-D	470-490MHz
BSL450U-DE	480-500MHz
BSL450U-E	490-512MHz

### UHF 4.5dBd Gain, 67"

BSL450XL4.5-A	406-430MHz
BSL450XL4.5-B	430-450MHz
BSL450XL4.5-C	450-480MHz
BSL450XL4.5-D	470-490MHz
BSL450XL4.5-E	490-512MHz

### UHF 6dBd Gain, 98"

BSL450XL6-A	406-440MHz
BSL450XL6-B	440-460MHz
BSL450XL6-C	450-470MHz
BSL450XL6-D	460-480MHz
BSL450XL6-E	480-512MHz

### 800/900MHz Wide Band Unity Gain, 20"

BSL800UWB	806-960MHz
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### 800/900MHz Wide Band 3dBd Gain, 38"

BSL800XL3WB	806-960MHz
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### 900MHz 3dBd Gain, 36"

BSL915XL3	900-930MHz
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### 800/900MHz 5dBd Gain, 50"

BSL800XL5-A	806-866MHz
BSL800XL5-C	825-896MHz
BSL800XL5-E	890-970MHz
BSL915XL5	900-930MHz

### 800/900MHz 6.5dBd Gain, 62"

BSL800XL7-A	806-866MHz
BSL800XL7-C	825-896MHz
BSL800XL7-E	890-970MHz
BSL915XL7	900-930MHz

### Dual Band VHF / UHF Unity Gain

Custom order center frequencies

BSLDB31U	140-174 / 440-512MHz	67"
BSLDB31U9	315-325 / 900-930MHz	38"

All lengths of base station antennas are maximum. See Data Sheets on Web for exact lengths.

### 1GHz through 6GHz

BSL1350XL5	1200-1550MHz, 6.5dBi, 40"
BSL1710XL3	1710-1850MHz, 5dBi, 18"
BSL1710XL6	1710-1850MHz, 7.5dBi, 24"
BSL1850XL3	1850-1990MHz, 5dBi, 18"
BSL1850XL6	1850-1990MHz, 7.5dBi, 24"
BSL2400XL3	2400-2500MHz, 5dBi, 18"
BSL2400XL6	2400-2500MHz, 7.5dBi, 24"
BSL2400XL12	2400-2500MHz, 14dBi, 60"

### Tri Mode 800 / 1900 Cell / PCS 3dB, 16"

BSLDB18U8	825-896 / 1850-1990MHz
BSLDB18U9	921-960 / 1805-1880MHz



BSL



BSLMNT2

Large diameter fiberglass base station antenna

1 1/2" diameter tube, 2" diameter mounting sleeve

Fits 2 3/8" mast

All XL series antennas available in BSL version

Use BSLMNT2 mount for easy assembly



BSSMNT20 Dual Side Mount with U Bolts



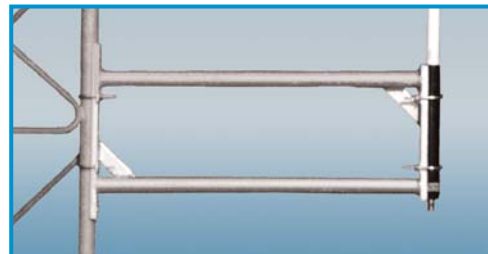
BSMEXT



BST



U Bolt



BSSMNT10 Single Side Mount with U Bolts

## BASE STATION MOUNTING KITS

BST	Low Cost Mount with V Bolts
BSMNT1	Single XL Mount Bracket
BSMNT2	Dual XL Mount Bracket
BSLMNT2	Dual BSL & BSLL Mount Bracket
BSLLUMNT1-2	BSL & BSLL Universal Mount Bracket with 2 Bolts
BSLLUMNT2-4	Dual BSL & BSLL Universal Mount Bracket with 4 Bolts
BSMEXT	BSM Gender Changer
BSSMNT10-2	Single Side Mount with 2 U Bolts
BSSMNT10-4	Single Side Mount with 4 U Bolts
BSSMNT20-4	Double Side Mount with 4 U Bolts
BSSMNT20-6	Double Side Mount with 6 U Bolts



## BSLL SERIES SUPER DUTY BASE STATION ANTENNAS

### HF Unity Gain, up to 168"

BSLL50U-XX	45-75MHz
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(Not UPS Shippable)

### VHF Unity Gain, 96"

BSLL100U-XX	75-140MHz
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### VHF Unity Gain, 64"

BSLL150U-A	144-150MHz
BSLL150U-B	150-156MHz
BSLL150U-C	156-162MHz
BSLL150U-D	162-168MHz
BSLL150U-E	168-174MHz
BSLL220U-A	200-210MHz
BSLL220U-B	210-220MHz
BSLL220U-C	215-225MHz

### VHF 3dBd Gain, 98"

BSLL150XL3-A	144-150MHz
BSLL150XL3-B	150-156MHz
BSLL150XL3-C	156-162MHz
BSLL150XL3-D	162-168MHz
BSLL150XL3-E	168-174MHz
BSLL220XL3-A	200-210MHz
BSLL220XL3-B	210-220MHz
BSLL220XL3-C	215-225MHz

### UHF Unity Gain, 32"

BSLL450U-A	406-430MHz
BSLL450U-B	430-450MHz
BSLL450U-BC	445-465MHz
BSLL450U-C	450-470MHz
BSLL450U-CD	460-480MHz
BSLL450U-D	470-490MHz
BSLL450U-DE	480-500MHz
BSLL450U-E	490-512MHz

### UHF 4.5dBd Gain, 67"

BSLL450XL4.5-A	406-430MHz
BSLL450XL4.5-B	430-450MHz
BSLL450XL4.5-C	450-480MHz
BSLL450XL4.5-D	470-490MHz
BSLL450XL4.5 E	490-512MHz

### UHF 6dBd Gain, 98"

BSLL450XL6-A	406-440MHz
BSLL450XL6-B	440-460MHz
BSLL450XL6-C	450-470MHz
BSLL450XL6-D	460-480MHz
BSLL450XL6-E	480-512MHz

### 800/900MHz Wide Band Unity Gain (806-960MHz), 20"

BSLL800UWB	806-960MHz
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### 800/900MHz Wide Band 3dBd Gain (806-960MHz), 38"

BSLL800XL3WB	806-960MHz
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### 900MHz 3dBd Gain, 36"

BSLL915XL3	900-930MHz
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### 800/900MHz 5dBd Gain, 50"

BSLL800XL5-A	806-866MHz
BSLL800XL5-C	825-896MHz
BSLL800XL5-E	890-970MHz
BSLL915XL5	900-930MHz

### 800/900MHz 6.5dBd Gain, 62"

BSLL800XL7-A	806-866MHz
BSLL800XL7-C	825-896MHz
BSLL800XL7-E	890-970MHz
BSLL915XL7	900-930MHz

All lengths of base station antennas are maximum. See Data Sheets on Web for exact lengths.

### BSLL Mounting Kits

BSLLUMNT1-2	BSL & BSLL Universal Mount Bracket with 2 Bolts
BSLLUMNT2-4	Dual BSL & BSLL Universal Mount Bracket set with 4 Bolts
BSLLUMNT1-4	BSL & BSLL Rotatable Mount Bracket with 4 Bolts
BSLLUMNT2-8	Dual BSL & BSLL Rotatable Mount Bracket set with 8 Bolts

## GLOBAL OUTDOOR BASE STATION ANTENNAS

### 3dBd Gain Omnidirectional

BSJ727	698MHz-2.7GHz
6-3/4" dia. Fiberglass Radome, Mount included	
BSR727	698MHz-2.7GHz
ABS Radome, Mount included	



BSLL



BSR727



BSJ727

Very large diameter fiberglass base station antenna  
2" diameter tube, 2 1/2" diameter mounting sleeve  
Allows for very robust construction especially important in low band operation  
Most XL series antennas are also available in BSLL version  
Use BSLLUMNT 2-4 or BSLMNT2 Mount for easy assembly

## 900MHz OMNIDIRECTIONAL HORIZONTALLY POLARIZED BASE STATION ANTENNA

### 900MHz Horizontally Polarized Omni 9dBd, 53", H 10", W 2" D

BS900HP	902-928MHz
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Provides significant rejection to unwanted signals in areas populated by many vertically polarized antennas.



BSLLUMNT1-2



BS900HP

OMNIBASE

## FOLDED DIPOLE ANTENNAS

Folded Dipole antennas are chosen for many applications because of their inherent flexibility. They can be used either as omni-directional or as directional antennas. They generally provide wider bandwidths than other forms of dipole antennas.

### Folded Dipole Element 2.5dBd Gain, 1-Element, N-Male

(Includes 1-Element and mounting hardware)

EDX150	150-174MHz
EDX220	220-225MHz
EDX450	406-512MHz
EDX470WB	470-698MHz

For Double Element EDX you will need:

CC150-2	150-250MHz
CC220-2	200-550MHz
RC220-2	200-400MHz
CC450-2	400-512MHz
BKT1	Mount for CC Series Power Divider

### Folded Dipole 2.5dBd Gain, 1-Radiating Element, N-Male

(Includes 1 Element and Mast)

ED150-1	150-174MHz
ED220-1	220-225MHz
ED450-1	406-512MHz

### Folded Dipole 5dBd Gain, 2-Radiating Elements, N-Male

(Includes 2 Elements and Mast)

ED150-2	150-174MHz
ED220-2	220-225MHz
ED450-2	406-512MHz



ED150-2



Double Element EDX  
EDX450  
EDX450  
CC450-2  
BKT1



ED150



CC Series  
Couplers

## MARINE ANTENNAS

### XL Series Marine Antennas, 250 watt

MS150U-XXX	144-225MHz	Unity Gain	64"
MS450U-XXX	406-512MHz	3dBd Gain	32"
MS450XL3-XXX	406-512MHz	3dBd Gain	36"
MS800XL3WB	806-930MHz	3dBd Gain	38"

XXX Refers to center required,

Specify connector at time of order

### 2.4GHz XL Series Marine Antennas, 100 watt

MS2400XL3	2400-2500MHz	5dBi Gain	18"
MS2400XL6	2400-2500MHz	8dBi Gain	24"

### Tri-Mode 800 / 1800MHz Cell / PCS 3dB

MSDB18U8	825-896	1850-1990MHz	24"
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### S Series Marine Antennas, 100 watt

MS800SA	806-866MHz	3dBd Gain	27"
MS800SC	825-896MHz	3dBd Gain	27"
MS800SE	894-944MHz	3dBd Gain	27"

## MOUNTS

### Marine Mounts

M1034A	Lexan
M1034B	Stainless Steel

### BNF/BNM Mount

BNT	
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M1034B, MS800SC, MS150UC, M1034A



BSM800U

All marine mounts mate with standard 1" 14 thread mount.

Standard marine termination is 18" white pigtail.

All Base Station Antennas 60" or less in length are available with marine mount option.





## SECTOR ANTENNAS 2.4GHz & 5GHz

### BSA Series 2.4GHz, 30" High

BSA2400-16-60	2400-2500MHz	60° Sector 16dBi
BSA2400-14-190	2400-2500MHz	190° Sector 14dBi

### BSAL Series 2.4GHz, 25" High

BSAL2400-14-60	2400-2500MHz	60° Sector 15dBi
BSAL2400-14-90	2400-2500MHz	90° Sector 14dBi
BSAL2400-14-120	2400-2500MHz	120° Sector 14dBi
BSAL2400-12-155	2400-2500MHz	155° Sector 12dBi
BSAL2400-14-190	2400-2500MHz	190° Sector 14dBi

### UHF & 800/1800MHz

BSAX450C-6-120	450-470MHz	120° Sector 6dBd
BSAX450D-6-120	470-490MHz	120° Sector 6dBd
BSAL800WB-6-120	806-960MHz	120° Sector 6dBd
BSAL915-6-120	900-930MHz	120° Sector 6dBd
BSAL1710-6-120	1710-1850MHz	120° Sector 6dBd
BSAL1800-6-120	1856-1990MHz	120° Sector 6dBd

### Dual Band Cell & PCS Sector Antennas

BSAL18U8-6-60	825-896/1850-1990MHz	60° Sector 6dBd
BSAL18U8-6-120	825-896/1850-1990MHz	120° Sector 6dBd
BSAL18U8-6-190	825-896/1850-1990MHz	190° Sector 6dBd

## BNF/BNM SERIES BASE STATION ANTENNAS

### 800/900MHz 3dBd Gain, 21", N Female

BNF800S-06	806-896MHz
BNF800S-96	896-960MHz
BNF915S	900-930MHz

### 800/900MHz 3dBd Gain, 21", N Male

BNM800S-06	806-896MHz
BNM800S-96	896-960MHz
BNM915S	900-930MHz

### 1900MHz 5dBi Gain, 20", N Female

BNF1905S	1850-1990MHz
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### 1900MHz 5dBi Gain, 20", N Male

BNM1905S	1850-1990MHz
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### 2400MHz 8dBi Gain, 16", N Female

BNF2408S	2400-2500MHz
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### 2400MHz 8dBi Gain, 16", N Male

BNM2408S	2400-2500MHz
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### 5.8GHz 8dBi Gain, 14", N Female

BNF5808S	5.725-5.925GHz
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Custom frequencies available

### 4.9 & 5.8GHz 8dBi Base Station, 7", "N" Termination

BS4908NM	4.940-4.990GHz
BS5808NM	5.725-5.925GHz

### BNF/BNM Mount

BNT	
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## SN SERIES INDOOR BASE STATION ANTENNAS

### UHF 2.5dBd Gain, 37" Type N Termination

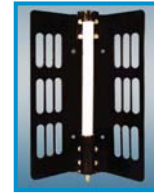
BS450SN-A	406-430MHz
BS450SN-B	430-450MHz
BS450SN-C	450-470MHz
BS450SN-D	470-490MHz
BS450SN-E	490-512MHz

### 800/900MHz, 4dBd Gain, 27" Type N Termination

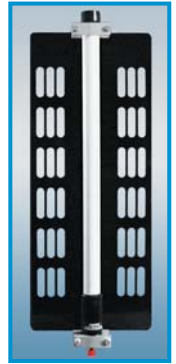
BS800SN-A	806-866MHz
BS800SN-C	825-896MHz
BS800SN-E	890-970MHz



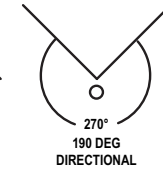
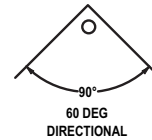
BSA Series



BSAL 2400-14-60



BSAX Series



Mounts on 1 1/2" mast with BNT Optional Mount  
 Full drain system for outdoor use  
 100 watt power rating



BNF/BNM

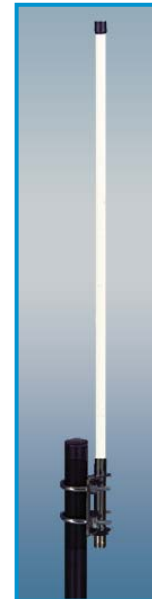


BS4908NM  
BS5808NM

4.9 or 5.8GHz Base Station 8dBi 7" Long



BNT

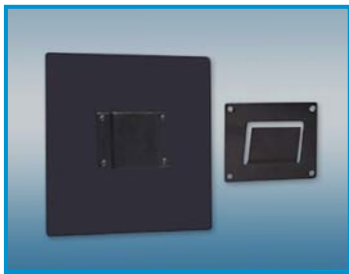


BS450SN

SECTOR

## PANEL ANTENNAS

### Mounting Styles



Standard Slip Mount



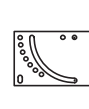
V



Stainless Steel V Bolt Mount  
& Aluminum V Block



HDSM



Outdoor Universal  
Heavy Duty Swivel Mount



SM



Indoor Swivel Mount

Panel antennas have become popular as alternatives to higher gain directional antennas such as yagis. They focus a signal to a particular area and can be designed to allow for maximum adjustment in a relatively attractive package. Design techniques for manufacturing these antennas vary considerably. Excellent performance is obtained by using printed circuit board technology and in some instances, stamped and formed patch elements.

Most of our panels are designed for outdoor use. Indoor applications require a less robust design without regard for common corrosion, moisture and ultraviolet damage. Our standard panels feature epoxy powder-coated aluminum mounting plates. The ability to completely adjust for any angle of radiation usually depends on the mount system used.

Gain is generally dependent on the element configuration of the panel. Number of elements will impact both the gain and the pattern that results when using a given antenna.

As with all Comtelco antennas (now a Mobile Mark brand), radiation specifications can be found on the appropriate data sheet, available upon request or as a PDF file at [www.mobilemark.com](http://www.mobilemark.com)

Our lineup of panel antenna is constantly being expanded. If a given configuration is not shown please don't hesitate to contact us to see if we can come up with a solution for your requirement.

## PANEL ANTENNAS

All B26 Series Panels are ¾" Deep and are supplied with a 12" Teflon® Pigtail.

### 900MHz, 8 ½" x 8 ½" Panel, 7.5dBi

B2697	900-930MHz	Slip mount
B2697V	900-930MHz	V bolts & V blocks
B2697SM	900-930MHz	Swivel mount
B2697HDSM	900-930MHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>		<b>65 Deg</b>
<b>Vertical Beamwidth</b>		<b>65 Deg</b>

### 900MHz, 4 ½" x 4 ½" Panel, 3dBi, Left Hand Circular Polarized

B26915LHCP	900-930MHz	Slip Mount
B26915LHCPV	900-930MHz	V bolts & V blocks
B26915LHCPSM	900-930MHz	Swivel mount
B26915LHCPHDSM	900-930MHz	Heavy duty Swivel mount

### 2.4GHz, 4 ½" x 4 ½" Panel, 7.5dBi

B26247	2.4-2.5GHz	Slip mount
B26247V	2.4-2.5GHz	V bolts & V blocks
B26247SM	2.4-2.5GHz	Swivel mount
B26247HDSM	2.4-2.5GHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>		<b>60 Deg</b>
<b>Vertical Beamwidth</b>		<b>65 Deg</b>

### 2.4GHz, 8 ½" x 8 ½" Panel, 14dBi

B262414	2.4-2.5GHz	Slip mount
B262414V	2.4-2.5GHz	V bolts & V blocks
B262414SM	2.4-2.5GHz	Swivel mount
B262414HDSM	2.4-2.5GHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>		<b>35 Deg</b>
<b>Vertical Beamwidth</b>		<b>35 Deg</b>

### 2.4GHz, 12 ½" x 12 ½" Panel, 17.5dBi

B262418	2.4-2.5GHz	Slip mount
B262418V	2.4-2.5GHz	V bolts & V blocks
B262418SM	2.4-2.5GHz	Swivel mount
B262418HDSM	2.4-2.5GHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>		<b>25 Deg</b>
<b>Vertical Beamwidth</b>		<b>25 Deg</b>

### 5.8GHz, 4 ½" x 4 ½" Panel, 14dBi

B265814	5.72-5.92GHz	Slip mount
B265814V	5.72-5.92GHz	V bolts & V blocks
B265814SM	5.72-5.92GHz	Swivel mount
B265814HDSM	5.72-5.92GHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>		<b>35 Deg</b>
<b>Vertical Beamwidth</b>		<b>35 Deg</b>



## PANEL ANTENNAS

All B36 Series Panels are 1 1/2" Deep and are supplied with a Direct Female "N" Termination.

### 900MHz, 8 1/2" x 8 1/2" Panel, 7.5dBi

B3697	900-930MHz	Slip mount
B3697V	900-930MHz	V bolts & V blocks
B3697SM	900-930MHz	Swivel mount
B3697HDSM	900-930MHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>	<b>50 Deg</b>	
<b>Vertical Beamwidth</b>	<b>65 Deg</b>	

### 1700MHz, 8 1/2" x 8 1/2" Panel, 14.5dBi

B361714	1710-1850MHz	Slip mount
B361714V	1710-1850MHz	V bolts & V blocks
B361714SM	1710-1850MHz	Swivel mount
B3697HDSM	1710-1850MHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>	<b>35 Deg</b>	
<b>Vertical Beamwidth</b>	<b>35 Deg</b>	

### 1850MHz, 8 1/2" x 8 1/2" Panel, 14.5dBi

B361914	1850-1990MHz	Slip mount
B361914V	1850-1990MHz	V bolts & V blocks
B361914SM	1850-1990MHz	Swivel mount
B361914HDSM	1850-1990MHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>	<b>35 Deg</b>	
<b>Vertical Beamwidth</b>	<b>35 Deg</b>	

### 2.4GHz, 4 1/2" x 4 1/2" Panel, 7.5dBi

B36247	2.4-2.5GHz	Slip mount
B36247V	2.4-2.5GHz	V bolts & V blocks
B36247SM	2.4-2.5GHz	Swivel mount
B36247HDSM	2.4-2.5GHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>	<b>50 Deg</b>	
<b>Vertical Beamwidth</b>	<b>65 Deg</b>	

### 2.4GHz, 8 1/2" x 8 1/2" Panel, 14dBi

B362414	2.4-2.5GHz	Slip mount
B362414V	2.4-2.5GHz	V bolts & V blocks
B362414SM	2.4-2.5GHz	Swivel mount
B362414HDSM	2.4-2.5GHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>	<b>35 Deg</b>	
<b>Vertical Beamwidth</b>	<b>35 Deg</b>	

### 2.4GHz, 12 1/2" x 12 1/2" Panel, 18dBi

B362418	2.4-2.5GHz	Slip mount
B362418V	2.4-2.5GHz	V bolts & V blocks
B362418SM	2.4-2.5GHz	Swivel mount
B362418HDSM	2.4-2.5GHz	Heavy duty Swivel mount
<b>Horizontal Beamwidth</b>	<b>25 Deg</b>	
<b>Vertical Beamwidth</b>	<b>25 Deg</b>	

## WALL PLATE MOUNT DIRECTIONAL ANTENNAS

### 900MHz, 4 1/2" Round Panel, 3.5dBi

B2593PW	900-930MHz	12" Teflon® Pigtail
<b>Horizontal Beamwidth</b>	<b>55 Deg</b>	
<b>Vertical Beamwidth</b>	<b>50 Deg</b>	

### 2.4GHz, 4 1/2" Round Panel, 7.5dBi

B25247PW	2.4 - 2.5GHz	12" Teflon® Pigtail
<b>Horizontal Beamwidth</b>	<b>60 Deg</b>	
<b>Vertical Beamwidth</b>	<b>65 Deg</b>	

### 1.35GHz, 4 1/2" Round Panel, 7.5dBi

B25147P	1.35-1.45GHz	12" Teflon® Pigtail
<b>Horizontal Beamwidth</b>	<b>55 Deg</b>	
<b>Vertical Beamwidth</b>	<b>50 Deg</b>	

## CEILING MOUNT ANTENNAS

BCM727	698-2700MHz	3dBi
BCM2458	1.7-6GHz	5dBi
B25382WN,BN	806-940/1850-1970MHz	3dBi
B261923CM	1850-1990MHz	3.5dBi
B26243CM	2400-2500MHz	3.5dBi

### Dual Band Panel, 8 1/2" x 8 1/2" 1 3/4" deep, 12" Teflon® Pigtail, 7.5dBi

B37621	698-930/1710-2100MHz	Slip mount
B37621V	698-930/1710-2100MHz	V bolts & V blocks
B37621SM	698-930/1710-2100MHz	Swivel mount
B37621HDSM	698-930/1710-2100MHz	Heavy duty Swivel mount
B37818	806-960/1850-1990MHz	Slip mount
B37818V	806-960/1850-1990MHz	V bolts & V blocks
B37818SM	806-960/1850-1990MHz	Swivel mount
B37818HDSM	806-960/1850-1990MHz	Heavy duty Swivel mount

<b>Horizontal Beamwidth</b>	<b>70 Deg</b>
<b>Vertical Beamwidth</b>	<b>50 Deg</b>

### 5.8GHz, 4 1/2" x 4 1/2" Panel, 14dBi

B365814	5.7-5.9GHz	Slip mount
B365814V	5.7-5.9GHz	V bolts & V blocks
B365814SM	5.7-5.9GHz	Swivel mount
B365814HDSM	5.7-5.9GHz	Heavy duty Swivel mount

<b>Horizontal Beamwidth</b>	<b>35 Deg</b>
<b>Vertical Beamwidth</b>	<b>35 Deg</b>

### 5.8GHz, 8 1/2" x 8 1/2" Panel, 17.5dBi

B365818	5.7-5.9GHz	Slip mount
B365818V	5.7-5.9GHz	V bolts & V blocks
B365818SM	5.7-5.9GHz	Swivel mount
B365818HDSM	5.7-5.9GHz	Heavy duty Swivel mount

<b>Horizontal Beamwidth</b>	<b>25 Deg</b>
<b>Vertical Beamwidth</b>	<b>25 Deg</b>

### 2.4GHz, 4" x 12" Pigtail, Universal

BSOV262412	2.4-2.5GHz	Omni Directional 7dBi
BSAV2412	2.4-2.5GHz	60° Sector 12dBi

### 5.8GHz, 4" x 12"

BSOV5810	5.7-5.9GHz	Omni Directional 9dBi
BSAV5810	5.7-5.9GHz	60° Sector 12dBi

<b>Horizontal Beamwidth</b>	<b>360 Deg</b>
<b>Vertical Beamwidth</b>	<b>40 Deg</b>



BCM727



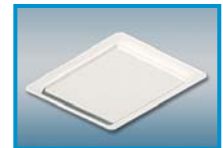
BSAV2412



BCM2458



BCM727



B261923CM

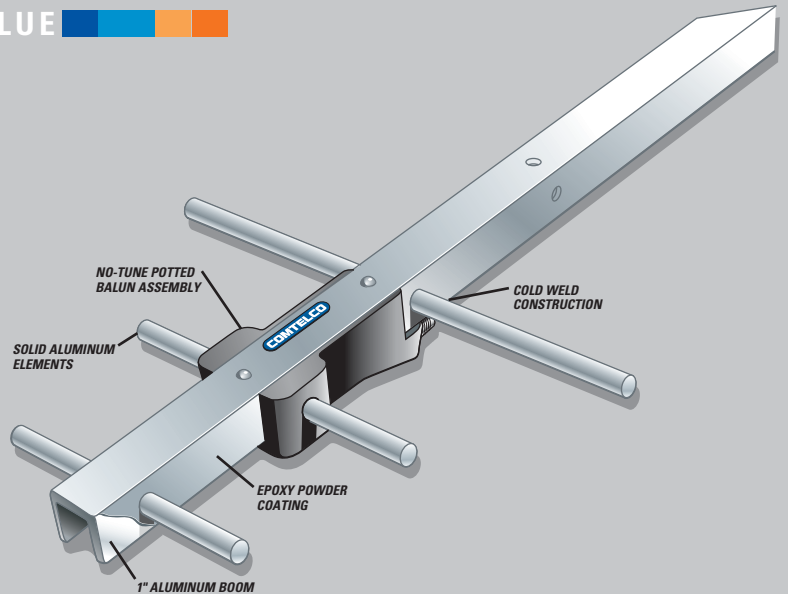


## PREMIUM COLD WELD YAGI ANTENNAS FOR SUPERIOR PERFORMANCE AND VALUE

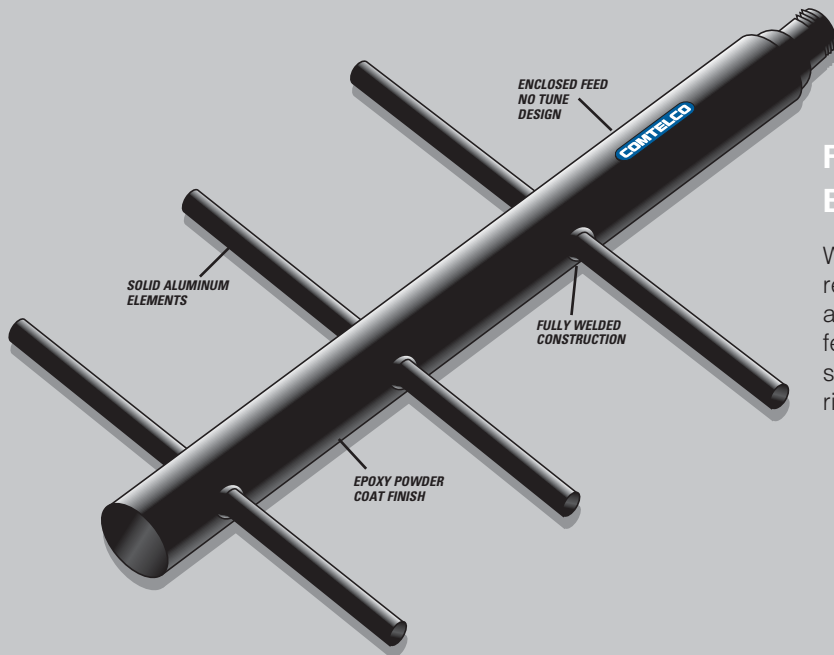
Our Yagi antennas are used by customers all over the world. They are used in the oil industry for off shore drilling rigs and in locations where resistance to severe environments is a great cause of concern. They are used by telecom carriers that demand total reliability. Since 1978 Comtelco (now a Mobile Mark brand) has shipped over 100,000 yagis worldwide.

By using a construction technique called cold weld, we can produce antennas that are every bit as rugged as a standard welded yagi, but at a significant cost advantage. Using specially designed hydraulic machinery, we are able to press tight tolerance solid elements into precision-machined booms. These elements are pressed in with over 1,000 lbs. of hydraulic pressure insuring a permanent bond. After assembly, an epoxy powder coat is applied. This seals the antenna, providing total environmental protection.

Our basic yagi design is common to both our standard duty and heavy-duty versions. The standard duty "22 series" yagis are built using 1/2" U channel booms with 1/4" solid elements. The heavy-duty "33 series" yagis use 1" U channel booms with 3/8" solid elements. Both series have a no-tune balun assembly and epoxy powder-coated finish.



**Stainless steel mounting hardware**  
**300 watt power rating**  
**125 MPH wind survival rating**



## FULLY WELDED ENCLOSED FEED YAGIS

When a fully welded Yagi with an enclosed feed is required, the Y66 series will fill the need. These antennas are available in standard and log periodic versions. They feature the same solid elements as our heavy duty Y33 series yagis. These yagis have been designed to meet the rigid requirements of the positive train control system.

**Stainless steel mounting hardware**  
**300 watt power rating**  
**125 MPH wind survival rating**



## STANDARD DUTY YAGI ANTENNAS, UHF & ABOVE

### UHF 3 element, 7dBd, Pigtail N

Y2243A-A	406-430MHz
Y2243A-B	430-450MHz
Y2243A-C	450-470MHz
Y2243A-D	470-490MHz
Y2243A-E	490-512MHz

### UHF 3 element, 7dBd, TNC

Y2243B-A	406-430MHz
Y2243B-B	430-450MHz
Y2243B-C	450-470MHz
Y2243B-D	470-490MHz
Y2243B-E	490-512MHz

### 800/900MHz 3 element, 6dBd, Pigtail N

Y2283A-06	806-896MHz
Y2283A-66	866-960MHz
Y2283A-915	900-930MHz

### 800/900MHz 3 element, 6dBd, TNC

Y2283B-06	806-896MHz
Y2283B-66	866-960MHz
Y2283B-915	900-930MHz

### 800/900MHz 5 element, 9dBd, Pigtail N

Y2285A-06	806-896MHz
Y2285A-66	866-960MHz

### 800/900MHz 5 element, 9dBd, TNC

Y2285B-06	806-896MHz
Y2285B-66	866-960MHz

### 800/900MHz 7 element, 10.2dBd, Pigtail N

Y2287A-06	806-896MHz
Y2287A-66	866-960MHz
Y2287A-915	900-930MHz

### 800/900MHz 7 element, 10.2dBd, TNC

Y2287B-915	900-930MHz
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### 800/900MHz Wide Band 8 element, 10.2dBd, Pigtail N

Y2288A-WB	806-950MHz
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### 800/900MHz Wide Band 8 element, 10.2dBd, TNC

Y2288B-WB	806-950MHz
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### 915MHz 12 element, 15dBi, Pigtail, N

Y22912A-915	900-930MHz
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### 915MHz 12 element, 15dBi, TNC

Y22912B-915	900-930MHz
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### 1.2GHz 10 element, 12dBi, Pigtail N

Y221210A	1200-1400MHz
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### 1.5GHz 10 element, 12dBi, Pigtail N

Y221510A	1450-1550MHz
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### 1.8GHz 10 element, 12dBi, Pigtail N

Y221810A	1710-1880MHz
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### Fully enclosed 12 element, 12dBi, Pigtail N

Y441812A	1710-1880MHz
Y441912A	1850-1990MHz

### Fully enclosed 16 element, 14dBi, Pigtail N

Y442416A	2400-2500MHz
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### Fully enclosed 4 element, 9dBi, Pigtail N

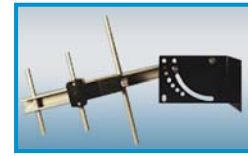
Y442409A	2400-2500MHz
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### Fully Enclosed, Pigtail N

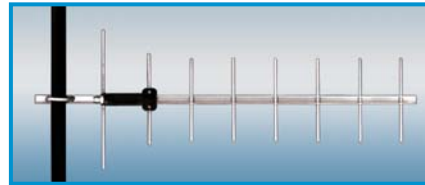
Y441812HDSM	1710-1880MHz, 12dBi
Y441912HDSM	1850-1990MHz, 12dBi
Y442416HDSM	2400-2500MHz, 14.5dBi
YDM1	Double Mount Kit 1 Block
YDM2	Double Mount Kit 2 Blocks
YSTB22	Yagi Swivel Tilt Bracket Optional VB01
YSTB33	Yagi Swivel Tilt Bracket Optional VB01



Y2243B



YSTB33



Y2288B



Y441912A, Y442416A Enclosed Yagi, Pigtail

1/2" aluminum boom with 1/4" solid elements

Elastomeric thermo-plastic sealed balun connections

Cold weld construction, UV Epoxy powder coated

Direct TNC or pigtail N termination

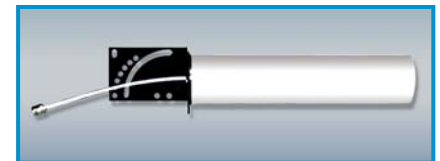
Stainless steel mounting hardware fits 1 1/2" mast

150 watt power rating, 125MPH wind survival

Custom frequencies available



Y442409A



Y442416HDSM



YDM2



Y442458HDSM

### To Order Yagi Antennas:

ORDER BASIC YAGI ANTENNA	_____	Y	22	8	7	A
22	STANDARD DUTY	_____				
33	HEAVY DUTY	_____				
42	ENCLOSED FEED	_____				
44	FULLY ENCLOSED	_____				
66	FULLY WELDED TUBULAR	_____				
	FREQUENCY X 100	_____				
	NUMBER OF ELEMENTS	_____				
A	PIGTAIL "N"	_____				
B	TNC	_____				
C	S0239	_____				
D	DIRECT BALUN "N"	_____				

## HEAVY DUTY YAGI ANTENNAS 144/225MHz

Letter before dash: C = S0239, A = Type N.

### VHF 5 element, 9dBd

Y3315C-A	144-148MHz
Y3315C-B	150-156MHz
Y3315C-C	156-162MHz
Y3315C-D	162-168MHz
Y3315C-E	168-174MHz

Light assembly required.  
These antennas have an anodized finish.  
UHF connector standard.

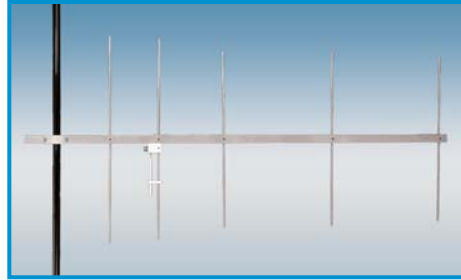
### VHF 3 element, 6dBd, welded

Y3313C-A	144-148MHz
Y3313C-B	150-156MHz
Y3313C-C	156-162MHz
Y3313C-D	162-168MHz
Y3313C-E	168-174MHz
Y3323C-B	210-225MHz

### VHF 5 element, 9dBd, welded

Y3325C-B	210-225MHz
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Welded series yagis are shipped assembled and are polyester coated.



Y3315C



Y3385D

**1" aluminum boom with 3/8" solid elements**  
**Elastomeric thermo-plastic sealed balun connections**  
**Cold weld construction, Epoxy powder coated surfaces**  
**No-Tune Direct balun N female connection**  
**Stainless steel mounting hardware fits 2 3/8" mast**  
**300 watt power rating, 125 MPH wind survival rating**

## HEAVY DUTY YAGI ANTENNAS UHF, 800/900MHz

### UHF 3 element, 7dBd

Y3343D-A	406-430MHz
Y3343D-B	430-450MHz
Y3343D-C	450-470MHz
Y3343D-D	470-490MHz
Y3343D-E	490-512MHz

### UHF 5 element, 9dBd

Y3335D-D	370-390MHz
Y3345D-A	406-430MHz
Y3345D-B	430-450MHz
Y3345D-C	450-470MHz
Y3345D-D	470-490MHz
Y3345D-E	490-512MHz

### UHF 7 element, 10dBd

Y3347D-A	406-430MHz
Y3347D-B	430-450MHz
Y3347D-C	450-470MHz
Y3347D-D	470-490MHz
Y3347D-E	490-512MHz

### UHF Stacked, 13dBd, Kit

Includes 2-Y3347 & CC450 Coupler / Stacker

2Y3347CC-A	406-430MHz
2Y3347CC-B	430-450MHz
2Y3347CC-C	450-470MHz
2Y3347CC-D	470-490MHz
2Y3347CC-E	490-512MHz

### UHF 12 element, 12dBd

Y33412D-A	406-430MHz
Y33412D-B	430-450MHz
Y33412D-C	450-470MHz
Y33412D-D	470-490MHz
Y33412D-E	490-512MHz

"N" female termination standard, TNC & PIGTAIL versions available on UHF and 800MHz heavy duty yagis.

### 700/900MHz 3 element, 6dBd

Y3373-WB	698-960MHz
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### 800/900MHz 5 element, 9dBd

Y3385D-06	806-896MHz
Y3385D-66	866-960MHz

### 800/900MHz 7 element, 10dBd

Y3387D-06	806-896MHz
Y3387D-66	866-960MHz
Y3387D-915	900-930MHz

### 800/900MHz 10 element, 12dBd

Y33810D-06	806-866MHz
Y33810D-25	825-896MHz
Y33810D-96	896-960MHz
Y33810D-915	900-930MHz

### 900MHz 15 element, 13dBd

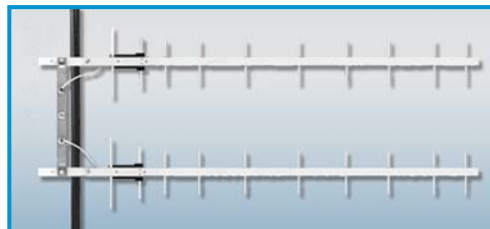
Y33915D-915	900-930MHz
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### 800/900MHz Stacked, 15dBd, Kit

Includes 2-Y33810 & CC850 Coupler / Stacker

2Y33810CC-06	806-866MHz
2Y33810CC-25	825-896MHz
2Y33810CC-96	896-960MHz
2Y33810CC-915	900-930MHz

"N" female termination standard, TNC & PIGTAIL versions available on UHF and 800MHz heavy duty yagis.



2Y33810CC-25



## FULLY WELDED AND ENCLOSED FEED YAGI ANTENNAS

### Enclosed Feed, Pigtail N

Y421810A	1710-1880MHz, 12dBi
Y421910A	1850-1990MHz, 12dBi
Y422416A	2400-2500MHz, 14dBi

### Fully Welded Yagi with Enclosed End Feed

Y6623D	200-225MHz, 7dBd
Y6625D	200-225MHz, 8.6dBd
Y6633D	322-339MHz, 7dBd
Y6636D-370	370-400MHz, 7dBd
Y6646D-A	400-460MHz, 9.5dBd
Y6646D-B	425-485MHz, 9.5dBd
Y6687D698	698-870MHz, 10dBd
Y6687D745	745-896MHz, 10dBd
Y6687D890	890-960MHz, 10dBd
Y6687D915	900-930MHz, 10dBd

### Wide Band/Dual Band Yagi Antennas

Y42400WB	400-800MHz	7dBd Pigtail "N" Enclosed Feed
Y62400HD	400-800MHz	7dBd Pigtail "N" Heavy Duty
Y42700WB	698-2800MHz	8dBd Pigtail "N" Enclosed Feed
Y2288WB	806-950MHz	10.2dBd 8 Element, Pigtail "N"
Y442458HDSM	1.6-6.0GHz	7dBd Pigtail "N" Fully Enclosed
Y42818A	745-970/1850-1990MHz	8dBd Pigtail "N" Enclosed Feed

### Dual Directional Yagi

2Y6623CCMNTH	Standard Duty Dual Directional Yagi	200-225MHz
2Y6625HDCCMNTH	Heavy Duty Dual Directional Yagi	200-225MHz
ROT2Y6625HDCCMNTH	Heavy Duty Dual Directional Yagi	200-225MHz

### Yagi Antenna Accessories

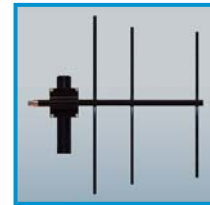
VB01	V-Bolt & Block Assembly
YDM1	Double Mount Kit 1 Block
YDM2	Double Mount Kit 2 Blocks
YSTB22	Yagi Swivel Tilt Bracket Optional VB01
YSTB33	Yagi Swivel Tilt Bracket Optional VB01
2Y66HDBKT	Mast Mount for 2Y66HD Yagi & CC Series Power Divider
BKT1	Mast Mount for CC Series Power Divider
BKT2	Mast Mount for 66 Series Yagi and EDX

**Heavy Duty Yagi Antennas**  
1" aluminum boom with 3/8" solid elements  
**Standard duty yagi antennas**  
1/2" aluminum boom with 1/4" solid elements



2Y6623CCMNTH Dual Directional Yagi

**Elastomeric thermoplastic sealed balun connections**  
**Cold weld construction, Epoxy powder coated surfaces**  
**No-Tune Direct balun N female connection**  
**Stainless steel mounting hardware fits 2 3/8" mast**  
**300 watt power rating, 125MPH wind survival rating**



Y6623D



Y6625D



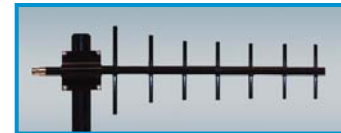
VB01



YSTB33



YDM2



Y6687D Fully Welded Tubular



2Y66HDBKT



Y42700WB  
Y42400WB



Y422416A Enclosed Feed Yagi, Pigtail



BKT1



BKT2



Y62400HD

## MOBILE ANTENNAS

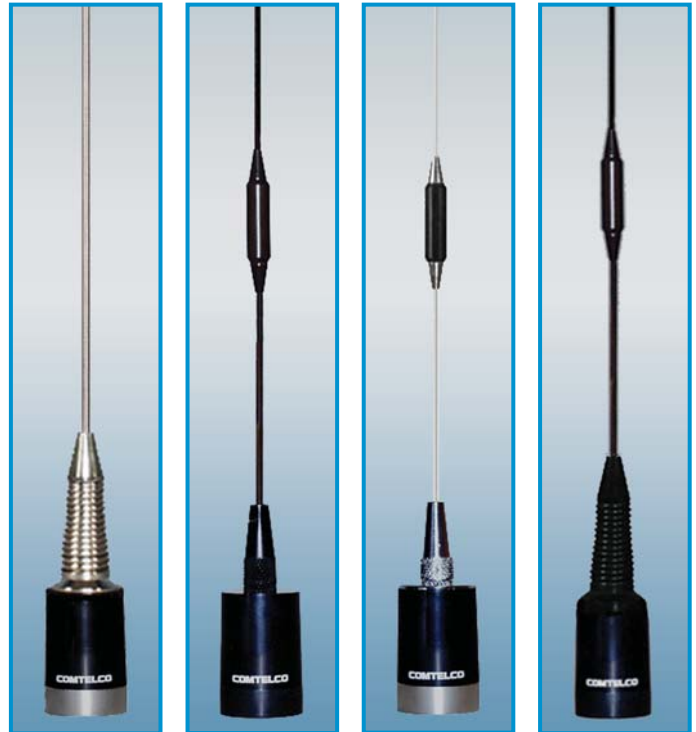
Comtelco antennas (now a Mobile Mark brand) use a rugged .125" diameter stainless 17-7 steel tapered whip in our standard base loaded antennas. Many of our competitors use only a .100" diameter whip. The difference can be seen in the bending over that a lighter duty whip exhibits when mounted on a moving vehicle.

Our antennas have an enclosed silver-plated phasing coil and feature a .125" diameter stainless whip below the coil. This gives us a more robust whip than units with only a .100" diameter whip.

Our High-Q loading coils are wound and 100% tested before and after assembly to insure proper operation. Our coils are larger diameter allowing Low Band coils to be built in the same low profile base as our VHF and UHF models. We have provided more frequency splits in our shunt fed base loads. This allows better frequency matching throughout the bandwidth.

Most of our black whips are epoxy powder coated so there is no chipping or flaking, a problem that is encountered with chrome.

Comtelco (now a Mobile Mark brand) introduced the first spring loaded-contact in a mobile antenna and continues to develop and improve this technology.



A1801AS      A1843B      A1845A      A1845BS

## LOW BAND BASE LOADS

### Low Band Unity Gain, Shunt Fed, DC Grounded, Brite finish

A1801AH-27	26-31MHz
A1801AH-30	30-35MHz
A1801AH-34	32-37MHz
A1801AH-37	36-40MHz
A1801AH-39	39-45MHz
A1801AH-45	45-54MHz
A1801AH-47	47-54MHz

To order shock spring version add "S" suffix to the base part number. EXAMPLE: A1801AHS-27

### Low Band Unity Gain, Shunt Fed, DC Grounded, Black finish

A1801BH-27	26-31MHz
A1801BH-30	30-35MHz
A1801BH-34	32-37MHz
A1801BH-37	36-40MHz
A1801BH-39	39-45MHz
A1801BH-45	45-54MHz
A1801BH-47	46-54MHz

To order shock spring version add "S" suffix to the base part number. EXAMPLE: A1801BHS-27

### Low Band Unity Gain, Series Fed, Brite finish

A1801A-27	27-31MHz
A1801A-30	30-35MHz
A1801A-34	34-40MHz
A1801A-40	40-48MHz
A1801A-47	47-54MHz

To order shock spring version add "S" suffix to the base part number. EXAMPLE: A1801AS-27

### Low Band Unity Gain, Series Fed, Black finish

A1801B-27	27-31MHz
A1801B-30	30-35MHz
A1801B-34	34-40MHz
A1801B-40	40-48MHz
A1801B-47	47-54MHz

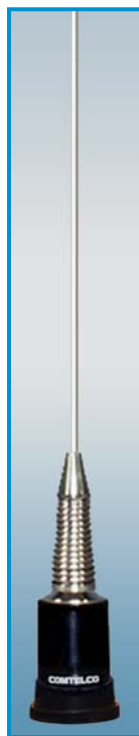
To order shock spring version add "S" suffix to the base part number. EXAMPLE: A1801BS-27

LOW BAND

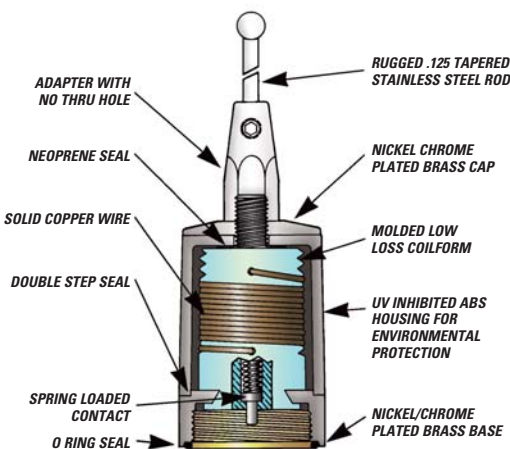
## NO TUNE WIDE BAND BASE LOADS

### No Tune, Wide Band, Base Loads with Shock Spring

A18HD32WB	32-33.5MHz
A18HD33WB	33-35MHz
A18HD34WB	34-36MHz
A18HD37WB	37-44.5MHz
A18HD41WB	41-48MHz
A18HD46WB	46-53MHz



A18HD32WBA







## VHF, UHF, 800MHz, BASE LOADS

### VHF 3dBd Gain, 5/8 Wave, Brite finish

A1813A-32	132-174MHz
A1813A-44	144-174MHz
A1823A-00	200-250MHz
A1823A-50	250-280MHz

### VHF 3dBd Gain, 5/8 Wave, Black finish

A1813B-32	132-174MHz
A1813B-44	144-174MHz
A1823B-00	200-250MHz
A1823B-50	250-280MHz

### VHF 1/2 Wave, No Ground Plane, Brite finish

A1812A-44	144-174MHz
A1822A-00	200-225MHz

### VHF 1/2 Wave, No Ground Plane, Black finish

A1812B-44	144-174MHz
A1822B-00	200-225MHz

### UHF 3dBd Gain, 5/8 Wave, Brite finish

A1843A-06	406-430MHz
A1843A-30	430-450MHz
A1843A-50	450-470MHz
A1843A-70	470-490MHz
A1843A-90	490-512MHz

### UHF 3dBd Gain, 5/8 Wave, Black finish

A1843B-06	406-430MHz
A1843B-30	430-450MHz
A1843B-50	450-470MHz
A1843B-70	470-490MHz
A1843B-90	490-512MHz

To order shock spring version add "S" suffix to the base part number.

EXAMPLE: A1813AS-32

### UHF 5dB Gain, 5/8 Wave over 5/8 Wave, Brite finish

A1845A-06	406-430MHz
A1845A-30	430-450MHz
A1845A-50	450-470MHz
A1845A-70	470-490MHz
A1845A-90	490-512MHz

### UHF 5dB Gain, 5/8 Wave over 5/8 Wave, Black finish

A1845B-06	406-430MHz
A1845B-30	430-450MHz
A1845B-50	450-470MHz
A1845B-70	470-490MHz
A1845B-90	490-512MHz

### UHF 1/2 Wave, No Ground Plane, Brite finish

A1842A-06	406-430MHz
A1842A-30	430-450MHz
A1842A-50	450-470MHz
A1842A-70	470-490MHz
A1842A-90	490-512MHz

### UHF 1/2 Wave, No Ground Plane, Black finish

A1842B-06	406-430MHz
A1842B-30	430-450MHz
A1842B-50	450-470MHz
A1842B-70	470-490MHz
A1842B-90	490-512MHz

### 800/900MHz, Brite finish

A1885A-06	806-866MHz
A1885A-96	896-960MHz
A1885A-915	900-930MHz

### 800/900MHz, Black finish

A1885B-06	806-866MHz
A1885B-96	896-960MHz
A1885B-915	900-930MHz

A1855 not available with shock spring, use A1585.

## QUARTERWAVE ANTENNAS 54MHz TO 970MHz

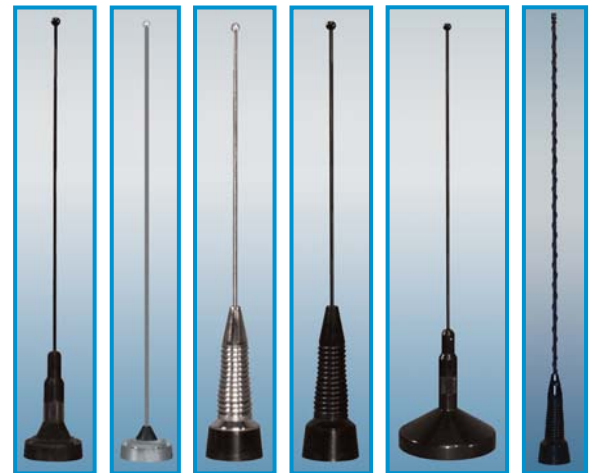
See ordering chart for frequency suffix.

### Quarterwave, Brite finish

A1111A	108-970MHz	3/4" M Type .100 Whip Spring Loaded Contact
A1211AC	118-970MHz	3/4" M Type .062 Whip Brass Contact <b>Must specify frequency</b>
A1911A	136-970MHz	L Stud Mount .100 Whip
A2111A	108-970MHz	Integrated Magnet Mount 12ft RG58 TNC or PL259
A1501A	54-132MHz	Shock Spring, 6MHz Bandwidth at 54MHz 20MHz Bandwidth at 100MHz
A1511A	132-970MHz	Shock Spring, 24MHz Bandwidth at VHF 100MHz Bandwidth at UHF
A1511AAC	118-138MHz	Shock Spring, Full Band Coverage 100MHz Bandwidth at UHF

### Quarterwave, Black finish

A1111B	108-970MHz	3/4" M Type .100 Whip Spring Loaded Contact
A1111FLEX	108-970MHz	Super Flexible .062 Whip
A1211BC	118-970MHz	3/4" M Type .062 Whip Brass Contact <b>Must specify frequency</b>
A1211FLEX	18-970MHz	Super Flexible .062 Whip
A1911B	136-970MHz	L Stud Mount .100 Whip
A2111B	108-970MHz	Integrated Magnet Mount 12ft RG58 TNC or PL259
A2111FLEX	108-970MHz	Super Flexible .062 Whip
A1501B	54-132MHz	Shock Spring, 6MHz Bandwidth at 54MHz 20MHz Bandwidth at 100MHz
A1511B	132-970MHz	Shock Spring, 24MHz Bandwidth at VHF 100MHz Bandwidth at UHF
A1511BAC	118-138MHz	Shock Spring, Full Band Coverage 100MHz Bandwidth at UHF
A1511NR	132-970MHz	Shock Spring, 24MHz Bandwidth at VHF 100MHz Bandwidth at UHF Noise Resistant



A1111B A1211A A1511A A1511B A2111A A1511NR

### Ordering chart for specific frequency antennas

-108:	108-125MHz	-152:	152-162MHz	-450:	450-470MHz
-125:	125-132MHz	-162:	162-174MHz	-470:	470-490MHz
-132:	132-138MHz	-220:	220-225MHz	-490:	490-512MHz
-136:	136-144MHz	-406:	406-430MHz	-800:	800-896MHz
-144:	144-152MHz	-430:	430-450MHz	-896:	896-960MHz

VHF / UHF

## 3-3.5dBd MOBILE GAIN ANTENNAS 430MHz THROUGH 970MHz

### UHF 3dB Gain, Open Coil, Brite finish

A1143A	430-490MHz	Spring Loaded Contact
A2143A	430-490MHz	Integrated Magnet Mount

### UHF 3dB Gain, Open Coil, Black finish

A1143B	430-490MHz	Spring Loaded Contact
A2143B	430-490MHz	Integrated Magnet Mount

### UHF 3dB Gain, Wide Band, 380-512, 440-512MHz No Tune

A15HD450WB	380-512MHz	3dBd Wide Band
A1543WB, A	440-512MHz	3dBd Wide Band
A1543WB, B	440-512MHz	3dBd Wide Band

### UHF 3.5dB Gain, Closed Coil, Brite finish

A1145A-06	406-450MHz	Spring Loaded Contact
A1145A-50	450-470MHz	Spring Loaded Contact
A1145A-70	470-512MHz	Spring Loaded Contact
A2145A-06	406-450MHz	Integrated Magnet Mount
A2145A-50	450-470MHz	Integrated Magnet Mount
A2145A-70	470-512MHz	Integrated Magnet Mount

### UHF 3.5dB Gain, Closed Coil, Black finish

A1145B-06	406-450MHz	Spring Loaded Contact
A1145B-50	450-470MHz	Spring Loaded Contact
A1145B-70	470-512MHz	Spring Loaded Contact
A2145B-06	406-450MHz	Integrated Magnet Mount
A2145B-50	450-470MHz	Integrated Magnet Mount
A2145B-70	470-512MHz	Integrated Magnet Mount

### 698/2700MHz 3dB Wide Band, Brite finish

A15WB698A	698-2700MHz	Wide Band Mobile
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### 740/900MHz 3dB Gain, Brite finish

A1173A-74	740-800MHz	Open Coil .100 Whip
A1173AS-74	740-870MHz	Shock Spring
A1183A-06	806-866MHz	3/4" M Type
A1183A-24	824-896MHz	Open Coil .100 Whip
A1183A-87	870-960MHz	Spring Loaded Contact
A1483A-06	806-866MHz	3/4" M Type
A1483A-24	824-896MHz	Open Coil .100 Whip
A1483A-87	870-960MHz	Spring Loaded Contact
A2183A-06	806-866MHz	Integrated Magnet Mount
A2183A-24	824-896MHz	Open Coil
A2183A-87	870-960MHz	12ft RG58 Coax

### 698/2700MHz 3dB Wide Band, Black finish

A15WB698B	698-2700MHz	Wide Band Mobile
A21WB698B	698-2700MHz	Integrated Magnet Mount

### 740/900MHz 3dB Gain, Black finish

A1073B-74	740-840MHz	
A1083B-06	806-866MHz	Elevated Feed
A1083B-24	824-896MHz	3/4" M Type
A1083B-96	896-940MHz	Spring Loaded Contact
A1173B-74	740-800MHz	Open Coil .100 Whip
A1173BS-74	740-870MHz	Shock Spring
A1183B-06	806-866MHz	3/4" M Type
A1183B-24	824-896MHz	Open Coil .100 Whip
A1183B-87	870-960MHz	Spring Loaded Contact
A1283B-06	806-866MHz	3/4" M Type
A1283B-24	824-896MHz	Open Coil
A1283B-87	870-960MHz	Flexible .062 Whip
A1483B-06	806-866MHz	3/4" M Type
A1483B-24	824-896MHz	Open Coil .100 Whip
A1483B-87	870-960MHz	Spring Loaded Contact
A2183B-06	806-866MHz	Integrated Magnet Mount
A2183B-24	824-896MHz	Open Coil
A2183B-87	870-960MHz	12ft RG58 Coax



A1143A A2143A A1543WBA A1145A A2145B A15HD450W

**Must specify connector for all integrated magnet mounts on this page. Additional charge may apply.**

**Model A1143 works from 430 through 490MHz with no cutting or tuning necessary.**



A15WB698 A1183B A1283B A1483A A1173AS A2183B A1083B



## 3.5dBd MOBILE GAIN ANTENNAS 735MHz THROUGH 1GHz

### 740/900MHz 3.5dBd Gain, Brite finish

A1175A	740-800MHz	
A1175AS	740-870MHz	LD Shock Spring
A1185A-24	824-896MHz	3/4" M Type
A1185A-87	870-960MHz	Closed Coil
A1185A-90	900-930MHz	Spring Loaded Contact
A1575A-74	740-840MHz	
A1575A-76	764-870MHz	
A1585A-87	870-960MHz	Closed Coil Shock Spring
A2185A-06	806-866MHz	
A2185A-24	824-896MHz	Integrated Magnet Mount
A2185A-87	870-960MHz	12ft RG58 Coax
A2185A-90	900-930MHz	TNC, UHF or N

### 740/900MHz 3.5dBd Gain, Black finish

A1175B	740-800MHz	
A1175BS	740-870MHz	LD Shock Spring
A1185B-24	824-896MHz	3/4" M Type
A1185B-87	870-960MHz	Closed Coil
A1185B-90	900-930MHz	Spring Loaded Contact
A1575B-74	740-840MHz	
A1585B-76	764-870MHz	
A1585B-87	870-960MHz	Closed Coil Shock Spring
A2185B-06	806-866MHz	
A2185B-24	824-896MHz	Integrated Magnet Mount
A2185B-87	870-960MHz	12ft RG58 Coax
A2185B-90	900-930MHz	TNC, UHF or N

### 800/900MHz 5dBd Gain, Brite finish

A11855A-24	824-896MHz	3/4" M Type
A11855A-96	870-960MHz	Closed Coil
A11855A-90	900-930MHz	Spring Loaded Contact
A21855A-24	824-896MHz	Integrated Magnet Mount
A21855A-87	870-960MHz	12ft RG58 Coax
A21855A-90	900-930MHz	TNC, UHF or N

### 800/900MHz 5dBd Gain, Black finish

A11855B-24	824-896MHz	3/4" M Type
A11855B-96	870-960MHz	Closed Coil
A11855B-90	900-930MHz	Spring Loaded Contact
A21855B-24	824-896MHz	Integrated Magnet Mount
A21855B-87	870-960MHz	12ft RG58 Coax
A21855B-90	900-930MHz	TNC, UHF or N



A1185A A1175AS A1585A A2185B A1575B A11855A



A211853B



A10245



A31355



A31245



A211030B

## MOBILE GAIN ANTENNAS 1.8GHz THROUGH 3.6GHz

### 1.9GHz 5dBi Gain, Integrated Magnet Mount, Black finish

A211853B	1.8-2.0GHz	12ft Micro Loss Coax, TNC
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### 2.4GHz 5dBi Gain, Integrated Magnet Mount, Black finish

A212405B	2.4-2.5GHz	12ft Micro Loss Coax, TNC
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### 2.4GHz Elevated Feed 5dBi Gain, Black finish

A10245B	2.4-2.5GHz	Enclosed Elements 14" Long
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### 2.4GHz 5dBi Gain, Black finish

A31245B	2.3-2.6GHz	
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### 3.5GHz 5dBi Gain, Black finish

A31355B	3.4-3.6GHz	
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### Unity Gain Magnet Mount, Black finish

A211030	1-3GHz	
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**To Order Mobile Antennas:**

**A 11 8 3 B** ANTENNA PRODUCT

**FINISH** A BRITE, B BLACK

**GAIN** 1 UNITY, 3 3dB, 5 3.5dB, 55 5dB

**FREQUENCY x 100**

**STYLE**

10 ELEVATED FEED      14 M TYPE  
 11 CLASSIC WIDE BAND      15 BROADBAND SHOCKSPRING  
 12 OEM LOW COST      19 STUD MOUNT  
 13 ECONOMY      21 MAGNET MOUNT

**EXAMPLE: A1183A CAL-02**

**ADD: MOUNT, CABLE & CONNECTOR**  
(SEE MOUNT PAGE)

GAIN

## MULTI-BAND MOBILE ANTENNAS

### Dual Band 6 meter / 2 meter Unity, Brite finish

A18H31A 50-54 / 144-148MHz Base Loaded .125 whip

### Dual Band 6 meter / 2 meter Unity, Black finish

A18H31B 50-54 / 144-148MHz Base Loaded .100 whip

### Dual Band VHF Unity, UHF 2.5dB, Brite finish

A1131A 140-170 / 440-470MHz Open Coil .100 Whip  
A1132A 140-170 / 440-470MHz Closed Coil .100 Whip  
A1531A 140-170 / 440-470MHz Closed Coil Shock Spring  
A2131A 140-170 / 440-470MHz Integrated Magnet Mount

### Dual Band VHF Unity, UHF 2.5dB, Black finish

A1131B 140-170 / 440-470MHz Open Coil .100 whip  
A1132B 140-170 / 440-470MHz Closed Coil .100 Whip  
A1531B 140-170 / 440-470MHz Closed Coil Shock Spring  
A2131B 140-170 / 440-470MHz Integrated Magnet Mount

### Dual Band VHF 2.5dB, UHF 4.5dB, Brite finish

A1833A-40 140-150 / 440-450MHz  
A1833A-50 150-160 / 450-460MHz Closed Coil .100 Whip  
A1833A-60 160-170 / 460-470MHz Spring Loaded Contact

### Dual Band VHF 2.5dB, UHF 4.5dB, Black finish

A1833B-40 140-150 / 440-450MHz  
A1833B-50 150-160 / 450-460MHz Closed Coil .100 Whip  
A1833B-60 160-170 / 460-470MHz Spring Loaded Contact

### Tri Band 3dB Gain VHF, UHF, 800MHz, Black finish

A55136TB,TBS 136-174 / 380-490 / 698-870 MHz

### Tri Band Unity Gain VHF, UHF, 800MHz, Brite finish

A11331A-X 144-160 / 435-460 / 885-970MHz  
A11331A-Y 150-165 / 450-470 / 806-940MHz  
A11331A-Z 150-174 / 450-475 / 825-896MHz

### Tri Band Unity Gain VHF, UHF, 800MHz Black finish

A11331B-X 144-160 / 435-460 / 885-970MHz  
A11331B-Y 150-165 / 450-470 / 806-940MHz  
A11331B-Z 150-174 / 450-475 / 825-896MHz

### Wide Tri Band 140-170, 450-490, 730-800MHz, Black finish

A1510WTB No Tuning, Works Across all bands noted above

### Tri Mode 2dB Gain Cell / PCS, 800 / 1900 4" Tall, Black finish

A158192B 698-960 / 1850-2200MHz

### Dual Band 3dB Gain Cell / PCS, ABS, 4 3/4" Dia. Radome

A25382B, W 806-940 / 1850-1970MHz

### Dual Band 2dB Gain 900 / 2400MHz, 3" Tall, Black finish

A159242B 900-930 / 2300-2500MHz

### Dual Band Multi-Use 1" Diameter x 4" ABS, Black finish

A46DB630B,W 698-980 / 1800-2200MHz  
A11382B 806-940 / 1710-1970MHz  
A113249B 880-1200 / 2300-2600MHz  
A1132408B 806-940 / 1850-2250MHz  
A1132412B 1100-1500 / 2400-2800MHz  
A1132414B 1200-1600 / 2400-2800MHz

## DUAL BAND MAGNET MOUNT

Magnet Mount with 12' Micro Loss Coax. Must Specify connector type.

### Dual Band Magnet Mount

MGADB18X8 806-960 / 1850-1990MHz

### Global Wide Band

MGAS700GWB 698MHz-5.8GHz

## VHF/UHF DIPLEXER

### Dual Band VHF / UHF Diplexer

DBD1 140-174 / 440-512MHz

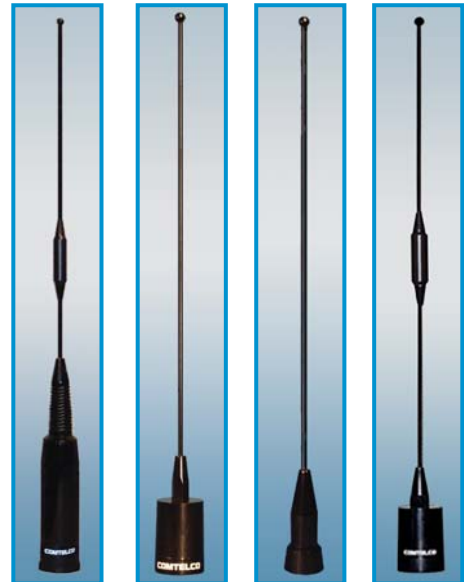
## VHF/UHF/800 TRIPLEXER

### Dual Band VHF / UHF Triplexer

DBD3 30-225 / 406-512 / 920MHz



A1131A A1132B A1531A A2131A A11331A



A55136TB A18H31B A1510WTB A1833B



MGADB18X8



MGAS700GWB



DBD1



DBD3



## LOW PROFILE ANTENNAS

### VHF Low Profile 3" Dia. 3 1/4" High, Mobile NMO

A1611B,W	Must provide center frequency between 150-174MHz
A1621B,W-220	220-222MHz
A1621B,W-222	222-224MHz
A1621B,W-224	224-226MHz

### VHF Low Profile 3" Dia. 3 1/4" High, Tamperproof

Ground Plane not included	
A1611BN,WN	Must provide center frequency between 150-174MHz
A1621BN,WN-220	220-222MHz
A1621BN,WN-222	222-224MHz
A1621BN,WN-224	224-226MHz

### 46 Style Low Profile 1" Dia. Mobile NMO

A4641B,W-406	406-420MHz	2.7"
A4641B,W-420	420-435MHz	2.7"
A4641B,W-440	440-450MHz	2.7"
A4641B,W-450	450-465MHz	2.7"
A4641B,W-465	465-480MHz	2.7"
A4641B,W-480	480-495MHz	2.7"
A4641B,W-490	490-512MHz	2.7"
A4671B,W-750	746-796MHz	2.7"
A4681B,W-806	806-896MHz	2.7"
A4681B,W-896	896-960MHz	2.7"
A4681B,W-915	900-930MHz	2.7"
A46192B,W	1.85-1.99GHz	2.7"
A46245B,W	2.4-2.5GHz	2"

### Radome 4.25" Dia. x 1.5" NMO

A2543B,W	See ordering chart for frequency
A56450B,W	See ordering chart for frequency
A25764B,W	764-869MHz
A2582B,W	806-940MHz

### Dual Band Mobile

A46DB630B,W	698-980/1800-2200MHz
A158192B,W	750-960/1850-2200MHz
A1132408B,W	806-940/1850-2250MHz
A11382B,W	806-940/1710-1970MHz
A25382B,W	806-940/1850-1990MHz
A113249B,W	880-1200/2300-2600MHz
A159242B,W	900-930/2400-2500MHz
A1132412B,W	1100-1500/2400-2500MHz
A1132414B,W	1200-1600/2400-2800MHz
A46DB2458B,W	1.5-2.7/4.5-6.0GHz

### Unity Gain Mobile Bullet

A15698B	698-960MHz
---------	------------

### Wide Band Mobile Unity Gain

A1510B470	470-698MHz
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### Dual Band Tamperproof Ground Plane not included

A46DB630BN,WN	698-980MHz/1.8-2.2GHz
A25382BN,WN	806-940MHz/1.85-1.99GHz
A46DB818BN,WN	806-960MHz/1.85-1.99GHz
A46DB2458BN,WN	1.5-2.7/4.5-6.0GHz

### Radome 4.25" Dia. x 1.5" Tamperproof

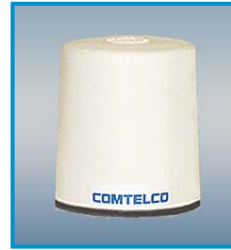
Ground Plane not included	
A2543BN,WN	See ordering chart for frequency
A2582BN,WN	806-940MHz

#### Ordering chart for A2543, B2543 antennas

-450: 450-470MHz	-490: 490-512MHz
-470: 470-490MHz	

#### Ordering chart for A56450 antennas

-450: 450-460MHz	-480: 480-490MHz
-460: 460-470MHz	-490: 490-500MHz
-470: 470-480MHz	-500: 500-512MHz



A1611W



A1611WN

No power limiting PC Boards!  
Proven design used by the military since World War II



A4681B,W



A46245B,W



A46DB2458BN,WN

All 46 Style Low Profiles available in Tamperproof version.  
All 46 Style Low Profiles now available in 380-400MHz.



A46DB630B,W



A56450W



A158192B  
A15698B



A159242B



A11382B

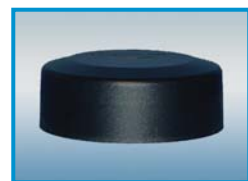


A113249B



A1510B470

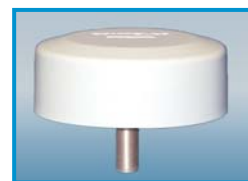
LOW PROFILE



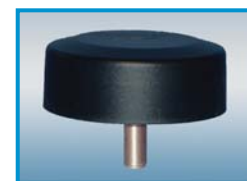
A2582B  
A25764B



A2543W  
A25764W



A2582WN



A2543BN

## BROADBAND WIRELESS

Tamperproof antenna part numbers starting with a B include a ground plane. This allows for installation into ceiling tiles or other applications that do not provide sufficient ground planes.

### Ceiling Mount Antennas

B1611WN	Tamperproof N Type 13" GP <b>Must provide center frequency between 150-174MHz</b>
B1621WN-220	Tamperproof N Type 220-222MHz with 13" GP
B1621WN-222	Tamperproof N Type 222-224MHz with 13" GP
B1621WN-224	Tamperproof N Type 224-226MHz with 13" GP
B4641WN-406	Tamperproof N Type 406-410MHz with 13" GP
B4641WN-410	Tamperproof N Type 410-415MHz with 13" GP
B4641WN-415	Tamperproof N Type 415-420MHz with 13" GP
B4641WN-420	Tamperproof N Type 420-425MHz with 13" GP
B4641WN-425	Tamperproof N Type 425-430MHz with 13" GP
B4641WN-430	Tamperproof N Type 430-450MHz with 13" GP
B4641WN-450	Tamperproof N Type 450-470MHz with 13" GP
B4641WN-470	Tamperproof N Type 470-490MHz with 13" GP
B4641WN-490	Tamperproof N Type 490-512MHz with 13" GP
B4681WN-806	Tamperproof N Type 806-896MHz with 8" GP
B4681WN-896	Tamperproof N Type 896-960MHz with 8" GP
B4681WN-915	Tamperproof N Type 900-930MHz with 8" GP
B4681WM-806	Tamperproof Mini UHF 806-896MHz with 8" GP
B4681WM-896	Tamperproof Mini UHF 896-960MHz with 8" GP
B4681WM-915	Tamperproof Mini UHF 900-930MHz with 8" GP
B46192WN	Tamperproof N Type 1.85-1.99GHz with 4" GP
B46245WN	Tamperproof N Type 2.4-2.5GHz with 4" GP
B46192WM	Tamperproof Mini UHF 1.85-1.99GHz with 4" GP
B46245WM	Tamperproof Mini UHF 2.4-2.5GHz with 4" GP

B46DB2458WN	Tamperproof N Type 1.5-2.7/4.5-6.0GHz with 3" GP
B46DB630WN	Tamperproof N Type 698-980MHz/1.8-2.2GHz with 13" GP
B46DB818WN	Tamperproof N Type 806-960/1850-1990MHz 8" with GP

All the above antennas are white, for black versions replace the W with a B.

B2543WN,BN	Ceiling Mount - See ordering chart for frequency pg. 21
B2543T	Ceiling Mount 450-470MHz 18" Pigtail "N"
B2582WN,BN	Ceiling Mount 806-940MHz
B25382WN,BN	Ceiling Mount 806-940/1850-1970MHz
B26193CM	Ceiling Mount 1850-1990MHz
B26243CM	Ceiling Mount 2400-2500MHz
BCM727	Ceiling Mount 698-2700MHz 3dBd
BCM2458	Ceiling Mount 1.7-6GHz 3dBd

### Ceiling Magnet Antenna

B211030	Ceiling Magnet Mount 1-3GHz
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### WLAN Antennas

BMG2453	WLAN Extender, Mag Mount 8' Coax, SMA
CLAN24	WLAN Extender 18" RG316, SMA
BS4905NF	5dBi 4.940-4.990GHz Base Antenna 5.25" Long N-Female
BS4905NM	5dBi 4.940-4.990GHz Base Antenna 5.25" Long N-Male
BS4908NF	8dBi 4.940-4.990GHz Base Antenna 7" Long N-Female
BS4908NM	8dBi 4.940-4.990GHz Base Antenna 7" Long N-Male
BS5805NF	5dBi 5.725-5.925GHz Base Antenna 5.25" Long N-Female
BS5805NM	5dBi 5.725-5.925GHz Base Antenna 5.25" Long N-Male
BS5808NF	8dBi 5.725-5.925GHz Base Antenna 7" Long N-Female
BS5808NM	8dBi 5.725-5.925GHz Base Antenna 7" Long N-Male

### Vend Antenna

PV915	Vend Antenna 900-930MHz
PV2400	Vend Antenna 2400-2500MHz
A27915-10	Bulkhead Flexible 900-930MHz SMA Male

### Multiple in Multiple out (MIMO) Antenna

BCM24MIMO	2.4-2.7GHz (3) 12" Teflon® Pigtaills
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B4681WN



UTCM



BCM2458



B211030



B25382WN,BN



B1611WN



BCM727



BCM24MIMO



B26193CM



A27915



BS5808NM



BS5808NF



CLAN24



PV915



## COUPLERS, STACKERS & SPECIALTY ANTENNAS

### Couplers / Stackers, Misc

CC150-2	150-250MHz	2 port
CC220-2	200-550MHz	2 port
RC220-2	200-400MHz	2 port
TC220-3	200-400MHz	3 port
CC450-2	400-512MHz	2 port
CC450-3	400-512MHz	3 port
CC850-2	800-970MHz	2 port
QC850	800-970MHz	4 port
CC1800	1300-2000MHz	2 port
QC1800	1500-2600MHz	4 port
CC2400	2400-2800MHz	2 port
QC2400	2100-3000MHz	4 port
50T01	50 Ohm Termination, TNC	
50T05	50 Ohm Termination, N	

### Surge & Lightning Arrestor Products

All standard connectors are "N" Female to "N" Female.

CAG-50NFNF	50MHz-700MHz Gas Tube, DC Blocked
CPG-0NINF	DC-3GHz Gas Tube, DC Pass, Bulkhead
CSF-2000NFNF	2GHz-3GHz Filter, DC Blocked
GT350	350 Volt Gas Tube Replacement

### Motorcycle Antenna

A1812MC-XXX	VHF Motorcycle Antennas
A1842MC-XXX	UHF Motorcycle Antennas

### CB Antenna

CB1800	Hi Performance CB with Weather option
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### Aircraft Mobile, Extended Coverage

A1511AAC	118MHz-138MHz	White Whip
A1511BAC	118MHz-138MHz	Black Whip

### Truck Mirror Mount Antennas

TC18U8XL	Mirror Mount Dual Band Cellular / PCS
TC158192	Mirror Mount Low Pro Cellular / PCS
TC159242	Mirror Mount Low Pro 900MHz / 2.4GHz
BSMN	Mirror Mount NMO "N" Connector

### GPS Antennas

A211575-02	GPS Magnet Mount Mobile 27dBi 16' RG174 Coax, BNC
A211575-10	GPS Magnet Mount Mobile 27dBi 16' RG174 Coax, SMA

### Pipe Mount Low Profile

B46915B, WNM	900-930MHz 1" 14 THD Low Pro "N"
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### Radome Style NMO OMNI with Shock Spring

A30125S	1200-1300MHz 5dBi < 10" Long
A30195S	1850-1990MHz 5dBi < 10" Long
A30245S	2400-2500MHz 5dBi < 10" Long



TC158192



TC18U8XL



A211575-02



B46915WNM



A30125S

Pipe mountable  
low profile  
1" 14 THD



CC450, CC850, CC2400



TC220-3



50T05, 50T01



CPG, CAG CSF

The QC850 works great for connecting multiple cell phones to one antenna



QC850



CB1800, A1812MC, A1511BAC

## MOUNT SYSTEMS FOR STANDARD AND VERY LOW LOSS REQUIREMENTS

Selection of proper cable kits and mount types has become more important as we have moved up the frequency band. Very high losses and noise in a cable kit will greatly affect the performance of all systems. This is more of a problem above the UHF band.

A standard RG58 cable exhibits a loss of 20dB per 100 feet at 900MHz. This means that the loss in a standard 17 foot cable is 3.4dB. At higher frequencies the losses are even greater.

Another source of loss is in the mount itself. The NMO type mount was developed for mobile radio installation when most services operated in the 30-50MHz range. Loss was not much of a factor at those frequencies. Today many of our systems operate well into the GHz range where loss is a big deal.

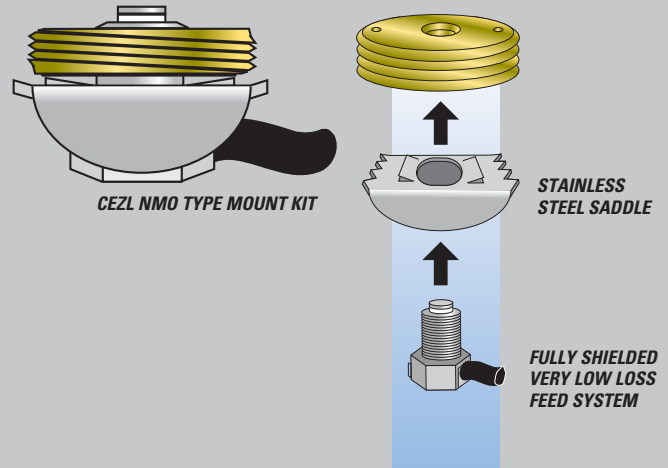
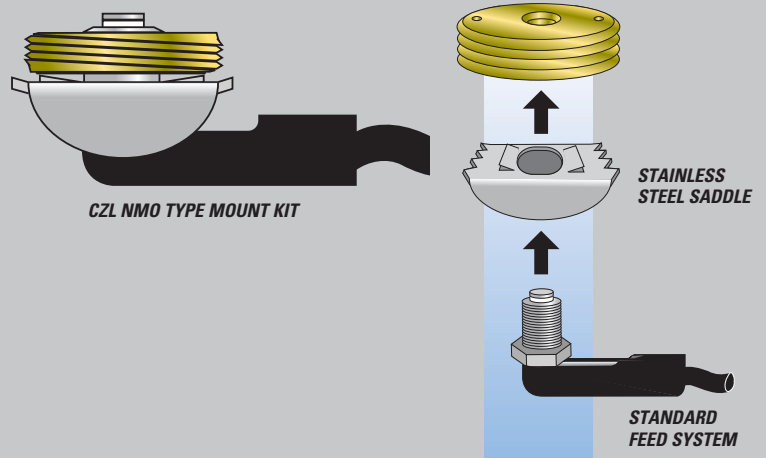
Advances have been made such as using all brass mounts to avoid corrosion but this has its drawbacks because brass is soft. If not handled carefully, a brass mount can bend or even break during installation. Its softness also affects its ability to pierce other metals during installation causing a less than perfect ground connection.

A final consideration with regard to NMO type mounts in general is the tendency for cross threading when installing an antenna because of the flats in the standard mount.

In an attempt to counteract many of these problems we patented an all brass mount with no flats, and a stainless steel piercing saddle to provide a good electrical and mechanical connection.

We developed a new technique for shielding the feed point of this mount to provide a better constant impedance low loss assembly. We combined this with our double shield high performance Micro Loss 900 cable to provide an economical solution. Micro Loss 900 cable exhibits about one-half the loss of RG58AU but maintains the same O.D. as standard RG58.

We will continue to support all our standard mounts, including the high distributive capacity (big button) versions, but want to make sure careful consideration is taken when new and tougher applications require better solutions.



**C TYPE**  
All Brass  
3/8"-3/4" Hole

**MB TYPE**  
All Brass  
3/4" Hole

**M TYPE**  
Standard  
3/4" Hole

**MH TYPE**  
Standard  
Hi Dist Cap

**MHB TYPE**  
All Brass  
Hi Dist Cap

**ASC TYPE**  
All Brass  
Male/Female

**CE TYPE**  
All Brass  
Very Low Loss





## PERMANENT BODY MOUNTS

### Permanent Body Mounts No Cable or Connector

C	All Brass	3/4-3/8" Mount Only
M	Standard	3/4" Mount Only
MB	All Brass	3/4" Mount Only
MH	Standard	3/4" Mount Only (Large Contact)
MHB	All Brass	3/4" Mount Only (Large Contact)

The above mounts are supplied complete with plastic insulator for RG58 cable. The H mounts have a large contact for use in applications that require increased distributed capacity.

**All brass mounts provide better corrosion resistance than standard steel mounts.**

**All mount assemblies are 100% tested.**

**Standard mount assemblies are supplied with loose connector.**

**Mount assemblies can be supplied with connector installed upon request.**

**Non-standard cable lengths are available upon request.**

### Mounts with 17' of RG58A/U Stranded Center or RG58U Solid Center Cable

RG58A/U	RG58U	
CAL	CUL	C Mount No Connector
MAL	MUL	M Mount No Connector
MBAL	MBUL	MB Mount No Connector
CAL-01	CUL-01	C Mount Crimp TNC
MAL-01	MUL-01	M Mount Crimp TNC
MBAL-01	MBUL-01	MB Mount Crimp TNC
CAL-02	CUL-02	C Mount Crimp BNC
MAL-02	MUL-02	M Mount Crimp BNC
MBAL-02	MBUL-02	MB Mount Crimp BNC
CAL-03	CUL-03	C Mount PL259
MAL-03	MUL-03	M Mount PL259
MBAL-03	MBUL-03	MB Mount PL259
CAL-04	CUL-04	C Mount Mini UHF
MAL-04	MUL-04	M Mount Mini UHF
MBAL-04	MBUL-04	MB Mount Mini UHF
CAL-05	CUL-05	C Mount Solder N
MAL-05	MUL-05	M Mount Solder N
MBAL-05	MBUL-05	MB Mount Solder N
CAL-06	CUL-06	C Mount Crimp PL259
MAL-06	MUL-06	M Mount Crimp PL259
MBAL-06	MBUL-06	MB Mount Crimp PL259
CAL-07	CUL-07	C Mount Crimp N
MAL-07	MUL-07	M Mount Crimp N
MBAL-07	MBUL-07	MB Mount Crimp N

### Mounts with 17' of SuperFlex Teflon® Low Loss Cable

C Mount	M Mount	
CSFXL	MSFXL	Mount No Connector
CSFXL-01	MSFXL-01	Mount Crimp TNC
CSFXL-02	MSFXL-02	Mount Crimp BNC
CSFXL-03	MSFXL-03	Mount PL259
CSFXL-04	MSFXL-04	Mount Mini UHF
CSFXL-05	MSFXL-05	Mount Solder N
CSFXL-06	MSFXL-06	Mount Crimp PL259
CSFXL-07	MSFXL-07	Mount Crimp N

CABLE TYPE	LENGTH	CONNECTOR TYPE
A RG58A/U	S 12ft.	-01 TNC
U RG58U	M 14ft.	-02 BNC
X RG8X	L 17ft.	-03 PL259
Z Micro Loss 900		-04 Mini UHF
T Teflon®		-05 Type N
		-06 PL259 Crimp
		-07 Type N Crimp

### Mounts with 17' of Micro Loss 900 or RG8X Cable

ML 900	RG8X	
CZL	CXL	C Mount No Connector
MZL	MXL	M Mount No Connector
MBZL	MBXL	MB Mount No Connector
CZL-01	CXL-01	C Mount Crimp TNC
MZL-01	MXL-01	M Mount Crimp TNC
MBZL-01	MBXL-01	MB Mount Crimp TNC
CZL-02		C Mount Crimp BNC
MZL-02		M Mount Crimp BNC
MBZL-02		MB Mount Crimp BNC
CZL-03	CXL-03	C Mount PL259
MZL-03	MXL-03	M Mount PL259
MBZL-03	MBXL-03	MB Mount PL259
CZL-04	CXL-04	C Mount Crimp Mini UHF
MZL-04	MXL-04	M Mount Crimp Mini UHF
MBZL-04	MBXL-04	MB Mount Crimp Mini UHF
CZL-05	CXL-05	C Mount Solder N
MZL-05	MXL-05	M Mount Solder N
MBZL-05	MBXL-05	MB Mount Solder N
CZL-06	CXL-06	C Mount Crimp PL259
MZL-06	MXL-06	M Mount Crimp PL259
MBZL-06	MBXL-06	MB Mount Crimp PL259
CZL-07	CXL-07	C Mount Crimp N
MZL-07	MXL-07	M Mount Crimp N
MBZL-07	MBXL-07	MB Mount Crimp N

### Mounts with 14' of Teflon® Plenum Rated Cable

CTM	MTM	MBTM	
CTM			C Mount No Connector
MTM			M Mount No Connector
MBTM			MB Mount No Connector
CTM-01			C Mount Crimp TNC
MTM-01			M Mount Crimp TNC
MBTM-01			MB Mount Crimp TNC
CTM-02			C Mount Crimp BNC
MTM-02			M Mount Crimp BNC
MBTM-02			MB Mount Crimp BNC
CTM-03			C Mount PL259
MTM-03			M Mount PL259
MBTM-03			MB Mount PL259
CTM-04			C Mount Crimp Mini UHF
MTM-04			M Mount Crimp Mini UHF
MBTM-04			MB Mount Crimp Mini UHF
CTM-05			C Mount Solder N
MTM-05			M Mount Solder N
MBTM-05			MB Mount Solder N

### Shielded CEZM Mount with 14' of Micro Loss 900 Coax

CEZM-01	CEZM-02	CEZM-05	CEZM-10	
CEZM-01				CE Mount TNC
CEZM-02				CE Mount BNC
CEZM-05				CE Mount N
CEZM-10				CE Mount SMA

**Gold contacts available on standard mount for no additional charge. Add G prefix to part number. Example: G CAL**

**L-Stud Mount cable assemblies are available at same price as other mounts.**

## MAGNET AND TRUNK MOUNTS

**Magnet mounts use heavy-duty magnets bases. Magnet mounts and trunk mounts feature UV inhibited ABS plastic covers and a protective mylar pad.**

### NMO Magnet Mounts with 12ft RG58A/U

MGAS	Magnet Mount No Connector
MGAS-01	Magnet Mount with TNC
MGAS-02	Magnet Mount with BNC
MGAS-03	Magnet Mount with PL259
MGAS-04	Magnet Mount with Mini-UHF
MGAS-06	Magnet Mount with Crimp UHF
MGAS-05	Magnet Mount with Type N
MGAS-07	Magnet Mount with Crimp N
MGAS-10	Magnet Mount with Crimp SMA

### NMO Magnet Mounts with 12ft Micro Loss 900

MGZS	Magnet Mount No Connector
MGZS-01	Magnet Mount with TNC
MGZS-02	Magnet Mount with BNC
MGZS-03	Magnet Mount with PL259
MGZS-04	Magnet Mount with Mini-UHF
MGZS-06	Magnet Mount with Crimp UHF
MGZS-05	Magnet Mount with Type N
MGZS-07	Magnet Mount with Crimp N
MGZS-10	Magnet Mount with Crimp SMA

### Magnet Stud Mounts with 12ft RG58A/U

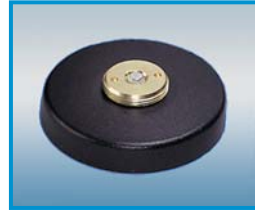
MGLAS	L Magnet Mount with No Connector
MGLAS-01	L Magnet Mount with TNC
MGLAS-02	L Magnet Mount with BNC
MGLAS-03	L Magnet Mount with PL259
MGLAS-04	L Magnet Mount with Mini-UHF
MGLAS-06	L Magnet Mount with UHF
MGLAS-07	L Magnet Mount with Type N

### NMO Mini-Magnet Mounts with 12ft RG58A/U

MMGAS	Mini-Magnet Mount No Connector
MMGAS-01	Mini-Magnet Mount with TNC
MMGAS-02	Mini-Magnet Mount with BNC
MMGAS-03	Mini-Magnet Mount with PL259
MMGAS-04	Mini-Magnet Mount with Mini-UHF
MMGAS-06	Mini-Magnet Mount with Crimp UHF
MMGAS-05	Mini-Magnet Mount with Type N
MMGAS-07	Mini-Magnet Mount with Crimp N

### Mini-Magnet Adapter Mounts with 12ft RG58A/U

MMG N-01	Mini-Mag N	with Coax & TNC
MMGTNC-01	Mini-Mag TNC	with Coax & TNC
MMGBNC-01	Mini Mag BNC	with Coax & TNC
MMGSMA-01	Mini Mag SMA	with Coax & TNC
MMG N-02	Mini-Mag N	with Coax & BNC
MMGTNC-02	Mini-Mag TNC	with Coax & BNC
MMGBNC-02	Mini-Mag BNC	with Coax & BNC
MMGSMA-02	Mini-Mag SMA	with Coax & BNC
MMG N-07	Mini-Mag N	with Coax & "N"
MMGTNC-07	Mini-Mag TNC	with Coax & "N"
MMGBNC-07	Mini-Mag BNC	with Coax & "N"
MMGSMA-07	Mini-Mag SMA	with Coax & "N"
MMG N-10	Mini-Mag N	with Coax & SMA
MMGTNC-10	Mini-Mag TNC	with Coax & SMA
MMGBNC-10	Mini-Mag BNC	with Coax & SMA
MMGSMA-10	Mini-Mag SMA	with Coax & SMA



MGAS



MGLAS



TKAL



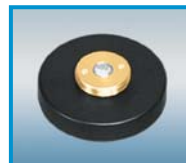
TKLZL

### Trunk Mounts with 17ft RG58A/U

TKAL	Trunk Mount No Connector
TKAL-01	Trunk Mount with TNC
TKAL-02	Trunk Mount with BNC
TKAL-03	Trunk Mount with PL259
TKAL-04	Trunk Mount with Mini-UHF
TKAL-06	Trunk Mount with Crimp UHF
TKAL-05	Trunk Mount with Type N
TKAL-07	Trunk Mount with Crimp N

### Trunk Mounts with 17ft Micro Loss 900

TKZL	Trunk Mount No Connector
TKZL-01	Trunk Mount with TNC
TKZL-02	Trunk Mount with BNC
TKZL-03	Trunk Mount with PL259
TKZL-04	Trunk Mount with Mini-UHF
TKZL-06	Trunk Mount with Crimp UHF
TKZL-05	Trunk Mount with Type N
TKZL-07	Trunk Mount with Crimp N



MMGAS



MMTNC



MMGSMA



MMGN

**Very low loss version of MMGN for use at frequencies above 900MHz.**

**These are custom built to specification. Call for info and pricing.**

**Ask about MMGLL.**

#### To Order Magnet or Trunk Mounts:

<b>MG</b>	M Type Mount	<b>TK</b>	M Type Mount
<b>MGL</b>	L Type Mag Mount	<b>TKL</b>	L Type Mount
<b>MMG</b>	Mini Mag Mount		
<b>MMGTNC</b>	Mini Mag TNC Type Mount		

Add: Cable Type, Length and Connector

#### EXAMPLES:

**MGAS-01** = M Type Magnet Mount with 12 ft. RG58 and TNC  
**TKLZL-02** = L Type Trunk Mount with 17 ft. Micro Loss 900 and BNC  
Custom cable assemblies are available upon request.

#### Ordering Guide for Custom Cable Assemblies

We stock many standard coaxial connectors and various types of cable. We can build to order custom assemblies at very competitive prices using our automated cable assembly equipment.

When ordering cable assemblies please follow the simple table below to create a part number for your selection.

<b>CC</b>	<b>A</b>	<b>3</b>	<b>-00</b>	<b>-00</b>			
					<b>CONNECTOR TYPES</b>		
					-01 TNC	-02 BNC	-06 PL259
					-04 Mini-UHF	-07 Type N	
					<b>LENGTH IN FEET</b>		
					<b>CABLE TYPE</b>		
					A RG58A/U	U RG58U	X RG8X
					T Teflon®	Z Micro Loss 900	9913 RG8
					<b>BASE PRODUCT</b>		400 RG8/LMR™



## CABLE ACCESSORIES

### RF Connectors

RFC-01A	TNC Crimp Male	RG58
RFC-01X	TNC Crimp Male	RG8X
RFC-01Z	TNC Crimp Male	MICRO LOSS
RFC-01AF	TNC Crimp Female	RG58
RFC-01/9913	TNC Crimp	9913
RFC-02A	BNC Crimp Male	RG58
RFC-02Z	BNC Crimp Male	MICRO LOSS
RFC-02/9913	BNC Crimp	9913
RFS-03A	PL259 Teflon® Solder	RG8/RG58
RFA-03A	UG175 Adapter	RG58
RFA-03X	UG176 Adapter	RG8X
RFC-04A	Mini-UHF Crimp Male	RG58
RFC-04X	Mini-UHF Crimp Male	RG8X
RFC-04Z	Mini-UHF Crimp Male	MICRO LOSS
RFS-05A	Type N Solder Male	RG58
RFS-05/9913	Type N Solder	9913
RFC-06A	PL259 Crimp Male	RG58
RFC-06X	PL259 Crimp Male	RG8X
RFC-06Z	PL259 Crimp Male	MICRO LOSS
RFC-07A	Type N Crimp Male	RG58
RFC-07X	Type N Crimp Male	RG8X
RFC-07Z	Type N Crimp Male	MICRO LOSS
RFC-07ZF	Type N Crimp Female	MICRO LOSS
RFC-07/9913	Type N Crimp	9913
RFC-08A	S0239 Solder	RG58A/U
RFC-08Z	S0239 Solder	MICRO LOSS
RFC-10A	SMA Crimp Male	RG58
RFC-10T	SMA Crimp Male	RG174/RG316
RFC-10Z	SMA Crimp Male	MICRO LOSS
RFC-10RPA	SMA R/P Crimp Male	RG58
RFC-10FRPA	SMA R/P Crimp Female	RG58
RFC-10RP/200	SMA R/P Crimp Male	LMR™ 200
RFC-10FRP/200	SMA R/P Crimp Female	LMR™ 200
RFC-10F/200	SMA Crimp Female	LMR™ 200
RFC-10/316	SMA Crimp Male	RG316 / LMR™ 100
RFC-10F/316	SMA Crimp Female	RG316 / LMR™ 100
RFC-12/316	MMCX Straight	RG316 / LMR™ 100
RFC-12/RA	MMCX R/A	RG316, RG174/ LMR™ 100
BH77	N Female Bulk Head Connector	
BH07-07	N-Female-N Female Bulk Head Adapter	

### Bulk Cable

SC100-100	LMR™ 100A .110 Diameter Coax	100 Feet
SC174-100	RG174 .110 Diameter Coax	100 feet
SC316-100	RG316 Low Loss .098 Diameter Coax	100 Feet
SCAC-100	RG58A/U Stranded Coax	100 Feet
SCAC-500	RG58A/U Stranded Coax	500 Feet
SCUC-100	RG58U Solid Coax	100 Feet
SCUC-500	RG58U Solid Coax	500 Feet
SCA-100	Belden® RG58A/U Stranded Coax	100 Feet
SCU-100	Belden® RG58U Solid Coax	100 Feet
SCZ-100	Micro Loss 900 Low Loss Coax	100 Feet
SCZ-500	Micro Loss 900 Low Loss Coax	500 Feet
SFX-100	Micro Loss Teflon® SuperFlex Coax	100 Feet
SFX-500	Micro Loss Teflon® SuperFlex Coax	500 Feet
SCT-100	Teflon® Coax	100 Feet
SC200-100	LMR™ 200 Low Loss Coax	100 Feet
SC400-100	LMR™ 400 Low Loss Coax	100 Feet
SC9913-100	Belden® 9913 Low Loss Coax	100 Feet
SCX-100	RG8X Low Loss Coax	100 Feet



TNC Female, Male

BNC

PL259



"N" Female, Male

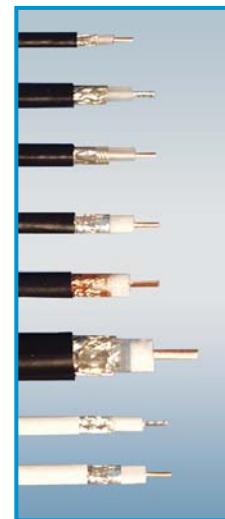
MINI-UHF

UG175



UHF Crimp

SMA



RG174

RG316

RG58AU

RG58U

Micro Loss 900

RG8X

RG8

Teflon®



RFCT

### Crimp Tools

RFCT58 Crimp Tool RG58, RG59

RFCT 8 Crimp Tool RG8, RG174, RG213

### Coaxial Cable Specifications

TYPE	MFG. NUMBER	CENTER CONDUCTOR	NOMINAL O.D.	SHIELD COVER	100MHZ	ATTENUATION DB/100 FT					TEMP SPEC
						400MHZ	900MHZ	2.4GHZ	5.8GHZ		
RG58A/U	Belden® 8259	STRANDED	.195	96%	4.9	11.5	21.0	-	-	-40 + 80C	
RG58U	Belden® 8240	SOLID	.195	95%	4.5	10	14	-	-	-40 + 80C	
DOUBLE SHIELD	Comtelco Micro Loss 900	SOLID 18 GAUGE	.195	80% Braid 100% Foil	3.2	6	10.2	17.5	28	-40 + 80C	
TEFLON®	Comtelco Micro Loss SuperFlex	SOLID 19 GAUGE	.170	90% Braid 100 Sheild	3.3	6.2	12.5	23.6	32	-40 + 85C	
LMR™ 200	LMR™ 200	SOLID .044	.195	80% Braid 100% Foil	3.2	6	9.9	16.9	26.4	-40 +85C	
RG8X	RG8X	STRANDED	.242	95%	3.7	7	12.8	-	-	-40 + 80C	
RG8	Times Microwave LMR™ 400	SOLID	.405	90% Braid 100% FOIL	1.2	2.5	3.9	6.8	10.8	-40 + 80C	
RG8	Belden® 9913	SOLID	.405	88% Braid 100% Foil	1.4	2.6	4.2	7.5	12.0	-40 + 80C	
TEFLON®	SPECIAL	STRANDED SILVER COATED	.160	95%	3.7	8.4	12.8	22	32	-40 + 200C	
RG174	LMR™ 100	SOLID	.110	100% Foil	8.6	15.8	22.8	39.8	64.1	-40 + 185C	
TEFLON®	RG316	STRANDED SILVER COATED	.098	95%	8.3	17.5	27.3	39.8	64.1	-40 + 200C	

The above data has been collected from published manufacturers specifications and measured data. It should be used only as a guide to making decisions regarding relative choices of cable for a given application. For complete specifications and test data the manufacturer of the cable should be contacted.

## SPECIALTY DATA PORTABLE ANTENNAS



FIG 1      FIG 2      FIG 3      FIG 4      FIG 5      FIG 6      FIG 7      FIG 8

<i>PART NUMBER*</i>	<i>FIG</i>	<i>FREQUENCY</i>	<i>STYLE</i>	<i>GAIN</i>	<i>LENGTH</i>
P915-SMA-2	2	900-930MHz	STRAIGHT	1	1.8"
PR915-SMA-6	6	900-930MHz	RIGHT ANGLE	2.5	6"
P925-SMA-3	3	896-960MHz	STRAIGHT	1	3"
P925-SMA-RP-3	3	896-960MHz	STRAIGHT	1	3"
P925-SMA-RP-7	7	896-960MHz	STRAIGHT	3	7"
PR925-TNC-6	6	896-960MHz	RIGHT ANGLE	2.5	6"
PS925-TNC-9	8	896-960MHz	SWIVEL	2	9"
P2.4-SMA-3	3	2.4-2.5GHz	STRAIGHT	2	3"
P2.4-SMA-4	1	2.4-2.5GHz	STRAIGHT	2	4"
PR2.4-SMA-3	4	2.4-2.5GHz	RIGHT ANGLE	2	3"
PR2.4-SMA-RP-3	4	2.4-2.5GHz	RIGHT ANGLE	2	3"
PS2.4-SMA-RP-3	4	2.4-2.5GHz	SWIVEL	2	3"
PS2.4-SMA-10	8	2.4-2.5GHz	SWIVEL	3.5	10"
PS2.4-SMA-RP-4	5	2.4-2.5GHz	SWIVEL	2	4"
PS2.4-SMA-RT-4	5	2.4-2.5GHz	SWIVEL	2	4"
PS2.4-SMA-RT-10	8	2.4-2.5GHz	SWIVEL	3.5	10"
PS2.4-TNC-4	5	2.4-2.5GHz	SWIVEL	2	4"
PS2.4-TNC-RP-4	5	2.4-2.5GHz	SWIVEL	2	4"

\*Imported



## SPECIALTY MOUNTS & BRACKETS

### Mobile to Base Adapters

BSMOLC-VHF	VHF Adapter N Type
BSMOLC-UHF	UHF Adapter N Type
BSMOLC-800	800/900 Adapter N Type
BSMO	Heavy Duty Adapter

Note: Specify VHF/UHF and Connector Type N or SO239

### Adapter Brackets

BSMWM-800	Wall Mount N Adapter
UNIBKT	Universal Bracket .625 Hole
BKT1	Mast Mount for CC Series Power Divider
BKT2	Mast Mount for 66 Series Yagi and EDX
2Y66HDBKT	Mast Mount for 2Y66HD Yagi & CC Series Power Divider
TMBM	Stainless Trunk 3/4" Hole, Brite
TMBMB	Stainless Trunk 3/4" Hole, Black
TMBC	Stainless Trunk 3/8" Hole, Brite
TMBCB	Stainless Trunk 3/8" Hole, Black
MMM	Mirror Mount Bracket 3/8 Hole, Black
MMNMO	Mirror Mount with NMO 17' RG58 Coax
MMCM	Commercial Mirror Mount 12' RG58 Coax Must specify Connector Type
BSMN	Mirror Mount, NMO "N" Connector
BSMONN	BSMO with "N" to "N" Female, Zinc U Bolts
SSU	Stainless Steel U Bolts #7 ea.

### Thick Body Mounts

TBML	Thick Body Mount 17ft RG58 N.C. Up to 1/4" Thick Plate, 3/8 or 3/4 Hole
VTBML	Very Thick Body Mount 17ft RG58 N.C. Up to 1/2" Thick Plate, 3/8 or 3/4 Hole
UTBN	Universal Thick Body Mount "N" Termination
UTBM	Mount terminates as MINI-UHF
TAUHF	Thick Adapter UHF
TAN	Thick Adapter N

### UTCM Mount Only

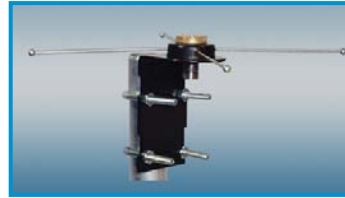
UTCM-GP	Ceiling Mount Mini UHF with GP
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### Pole Mount

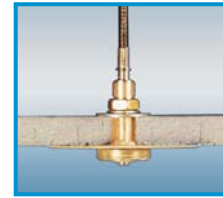
PLMO	Pole Mount NMO
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### C Mount Accessories

CMSB	C Mount Support Bracket
C SPANNER	C Mount Spanner Wrench



BSMO450



UTCM



UNIBKT



BKT1



BKT2



2Y66HDBKT



MMM



TMBM



UTBM



TAUHF, TAN



BSMWM-800



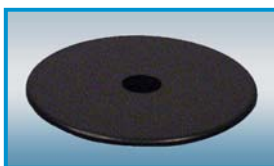
MMCM



MMNMO



BSMN



CMSB



C SPANNER



TBML



VTBML



PNMO

## ACCESSORIES

### Accessories for Mobile Antennas

11B	Classic Base Only
11BSC	Classic Base, Contact & Adapter
11BBSC	Black Classic Base, Contact & Adapter
15BSC	Shock Spring Base, Contact & Adapter
15BBSC	Black Shock Spring, Contact & Adapter
11SS	Classic Shock Spring
11SSB	Black Shock Spring
BLCSS	Shock Spring
BBLCSS	Black Shock Spring
15B	15 Series Base Only
BLC-XX	Loading Coil
BBLC-XX	Black Loading Coil
BLCA-XX	Loading Coil & Adapter
BBLCA-XX	Black Loading Coil & Adapter

### Add frequency suffix for above coils

-27: 27-31MHz	-45: 45-54MHz	-4306: 406-512MHz 3dB	-4570: 470-490MHz 5dB
-30: 30-35MHz	-144: 144-174MHz	-4506: 406-430MHz 5dB	-4590: 490-512MHz 5dB
-34: 34-40MHz	-200: 200-250MHz	-4530: 430-450MHz 5dB	
-39: 39-45MHz	-250: 250-280MHz	-4550: 450-470MHz 5dB	

11CAB	Classic Adapter Bushing
11BAB	Black Classic Adapter Bushing
18CAB	Chrome Base Load Adapter
18BAB	Black Base Load Adapter
11SC	Spring Loaded Contact
11WSC	Wide Spring Loaded Contact
MBMR	M Style Mounting Ring
CBMR	C Style Mounting Ring
CSSS	C Style Stainless Steel Saddle
14BLN	Black Locking Nut
14CLN	Chrome Locking Nut
14CRC	Chrome Rain Cap
14BPRC	Black Plastic Rain Cap
14MGS	14 Series Internal Gasket Seal (6)
11MEGS	11 Series External Gasket Seal (6)
18MOR	18 Series O Ring Seal (6)
MOR	Mount Kit O Ring (6)
CSW	C Mount Spanner Wrench
13" GP58	Ground Plane 5/8" hole
13" GP38	Ground Plane 3/8" hole
4" GP58	Ground Plane 5/8" hole
4" GP38	Ground Plane 3/8" hole
8" GP58	Ground Plane 5/8" hole
8" GP38	Ground Plane 3/8" hole

### Battery Tap

A1001A	Battery Tap (5 individually Packed)
A1001B	Battery Tap (25 bulk packed)

### Replacement Whip Assemblies

WPDB	Dual Band Whip .100
WPDBB	Dual Band Whip .100, Black
WPDB33	Dual Band Whip Assembly, 4dB
WPDB33B	Dual Band Whip Assembly, 4dB, Black
WPQ	20" Stainless Whip .100
WPQB	20" Stainless Whip .100, Black
WPBL125	52" Stainless Taper Whip .125
WPBL100	52" Stainless Taper Whip .100
WPBL100B	52" Stainless Taper Whip .100, Black
WPEF	Elevated Feed Whip Assembly
WP85A-X	3.5dB Whip Assembly 800MHz
WP85B-X	3.5dB Whip Assembly 800MHz, Black
WP855A-X	5dB Whip Assembly 800MHz
WP855B-X	5dB Whip Assembly 800MHz, Black
WP45A-X	3.5dB Whip Assembly 450MHz
WP45B-X	3.5dB Whip Assembly 450MHz, Black
WPBL45AX	5dB Base Load Whip 450MHz
WPBL45BX	5dB Base Load Whip 450MHz, Black



REPLACEMENT WHIPS

## ORDERING INFORMATION FOR MOBILE MARK, INC.

### ORDERING PROCEDURES

Mobile Mark products can be ordered by phone, fax, mail or e-mail. Orders can also be submitted to any Mobile Mark authorized Representative, or through a distributor. Mobile Mark sells products to VAR/resellers, distributors, OEM Manufacturers, certain government entities, and research organizations. If you are interested in a product for your own private use, please contact us for the nearest reseller in your area.

Many Mobile Mark products can be purchased through Distributors. Some Distributors stock certain models for immediate shipment. Mobile Mark builds products to order. The majority of our products have a 2 week lead time. These lead times do not include shipping.

### TERMS OF PAYMENT

Open account terms of Net 30 are offered, after appropriate credit approval. Minimum Information required is one signed bank reference form and two separate trade references.

For convenient ordering, Mobile Mark also accepts VISA, Mastercard, Discover card and American Express. Other forms of payment include Cash in Advance, and wire transfer.

### SHIPPING TERMS

Mobile Mark products are shipped Ex-Works (EXW), Itasca, IL. This means that prices quoted or shown in our literature do NOT include shipping. Our standard shipper is UPS. Some products must ship ground freight, due to size limitations. Shipping charges are added to your invoice or COD charge.

When shipping COD, note that most shipping companies charge a fee in addition to freight.

UPS shipments are available in Red (Overnight), Blue (2 day), Orange (3 day) and ground. Shipping charges are assessed once an order is completed and can be weighed. Although we do not guarantee shipping charges in advance, we can usually provide you an estimate beforehand for planning purposes.

If you wish to use Fedex or DHL, you may provide us your account number for shipping. For shipments outside the USA, your shipment account must be provided to properly address full charges (freight & duty).

### RETURNING PRODUCT

Returns are accepted for defects or mistakes on our part in processing your order. Our products are generally warranted for 2 years (see warranty on website). If you need to return Mobile Mark product under warranty, you must first contact us to receive a return authorization number and approval. For warranty items, product will be repaired or replaced. When you return damaged product, the RMA number must be clearly visible on the shipping label.

### CHANGES IN PRODUCT/PRICING/SHIPMENT

Mobile Mark reserves the right to make product specification changes or pricing changes at any time, without notice. When you order an item, Mobile Mark will give you an approximate shipment date. If an item needs to be back ordered, we will notify you, and ask for permission to ship any partial/available products.

## ORDERING INFORMATION FOR MOBILE MARK (EUROPE), LTD.

### ORDERING PROCEDURES

Mobile Mark products can be ordered by phone, fax, mail or e-mail. Orders can also be submitted to any Mobile Mark (Europe) Authorized Distributor.

Mobile Mark (Europe) sells to Resellers, VARs, Distributors, OEM Manufacturers, certain government entities, and research organizations. If you are interested in a product for your own private use, please contact us for the nearest reseller in your area.

Many Mobile Mark products can be purchased through Distributors. Some Distributors stock certain models for immediate shipment. Mobile Mark builds products to order. The majority of our products have a 2 week or more lead time, and a few items are 1 week. These lead times do not include shipping.

### TERMS OF PAYMENT

Open account terms of Net 30 are offered, after appropriate credit approval.

For purchases by credit card, Mobile Mark (Europe) accepts VISA and MasterCard. Other forms of credit include BACS, COD, Cash in Advance and wire transfer.

### SHIPPING TERMS

Mobile Mark products are shipped Ex-Works (EXW) UK, Incoterms 2010. This means that prices quoted or shown in our

literature do not include shipping. Shipping charges are prepaid and are added to the invoice or COD charge.

We use a variety of shipping companies including FedEx, UPS, DHL and local freight forwarding companies. If you have a specific shipper you wish to use, please let us know. Many of our customers specify their own courier and consolidate shipments. If you need further assistance finding a freight forwarder, we can put you in touch with one.

### RETURNING PRODUCT

Returns are accepted for defects or mistakes on our part in processing your order. Our products are generally warranted for 2 years (see warranty on website). If you need to return Mobile Mark product under warranty, you must receive a return authorization number and approval from Mobile Mark. To do so, simply call us or email us. For warranty items, product will be repaired or replaced. When you return damaged product, the RMA number must be clearly visible on the shipping label.

### CHANGES IN PRODUCT/PRICING/SHIPMENT

Mobile Mark reserves the right to make product specification changes or pricing changes at any time, without notice. When you order an item, Mobile Mark will normally give you an approximate shipment date. If an item needs to be back ordered, we will typically notify you and ask for permission to ship the available products as a partial order.

## US location:

Mobile Mark, Inc.  
1140 W. Thorndale Ave.  
Itasca, IL 60143, USA

- Global Headquarters
- Engineering design center
- Environmental testing facilities
- Expanded manufacturing space

Toll free: 1-800-648-2800 (US & Canada)  
Phone: 1-847-671-6690  
Fax: 1-847-250-5120  
Email: [info@mobilemark.com](mailto:info@mobilemark.com)

## UK location:

Mobile Mark Europe, Ltd.  
8 Miras Business Park  
Hednesford, Staffordshire, WS12 2FS, UK

- European production facility
- Expanded manufacturing space
- ISO-9001 certified

Phone: +44 1543 459555  
Fax: +44 1543 459545  
Email: [enquiries@mobilemarkeurope.co.uk](mailto:enquiries@mobilemarkeurope.co.uk)

## Distributors:

For a complete listing, visit:  
[www.MobileMark.com](http://www.MobileMark.com)

