

M.E.I.

## *February 2009 Amateur Antenna Catalog*



REMEMBER!

*Mosley, "The **Best Investment For Your Station**"! **The Lifetime Antenna!***

**Mosley... Way Above The Rest!**



Now *is* the time for all Americans to come to the aid of their country!

***Mosley Electronics, Inc.***

1325 Style Master Drive, Union, Missouri 63084

Orders: 1-800-325-4016 or 1-800-966-7539

Technical: 1-636-583-8595 Fax: 1-636-583-0890

Web Page: [mosley-electronics.com](http://mosley-electronics.com)

email: [mosley@mosley-electronics.com](mailto:mosley@mosley-electronics.com)

(Check out the "**NEWS**" page on our web site)

*Saving you MONEY Factory Direct!*

## Mosley... "A Better Antenna"

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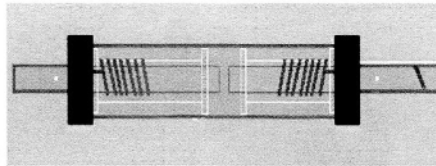
*All Prices and Specifications in this catalog are subject to change without notice or obligation.  
All orders are subject to a handling, shipping, re stocking charge and taxes if applicable.*

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## Welcome to the world of Mosley.

Please take a few minutes to review a few facts about Mosley and its products.

- < > Are you aware that Mosley created the first Tri-Band Beam using a single metal enclosed trap called a "Trap Master"??
- < > That we have used stainless steel hardware in and on our products for 60 years?



### **The Single Cover Dual Coil Trap "Mosley Invented" And Has Been In Use for Over 55 Years!**

- < > Did you know that Mosley was the first to create a 4 frequency beam which would out perform a log cell antenna in gain on the 4 independent frequencies over 40 years ago?
- < > That in 1979 Mosley created the first beam in the world that was designed to operate on 6 independent frequencies on a single boom using a single feed line that emulated 3 element mono band antennas on those same frequencies? Research our competitors and look up in old Amateur publications to see who came out with what products first. Mosley has always been in the forefront of design and innovative products for the amateur.
- < > Mosley has caused the antenna industry to become more responsive to the Amateur Market place? Especially over the last fourteen years? Prior to the introduction of our PRO Series, the only multi banded antennas were tri banders and logs.
- < > That our element to boom mounting clamps are made out of the highest quality of aluminum with our own aluminum sand casting dyes? That all of our aluminum castings are made by us with our tooling?
- < > That our traps, coil forms and other plastic parts were designed by us and are made with our own Injection Dyes and 200+ ton mold injectors?

\* Mosley Trademark



#48 Aluminum Element Casting



< > That our tubing is specially made for Mosley with the values that we specify? That the tubing we use is seamless drawn polished aircraft grade, which has a telescoping tolerance of .003 to .005 +/-? If you have ever bought aluminum tubing, you would know that there is a tremendous difference in the quality between drawn seamless and extruded. Extruded tubing is cheaper and the closest tolerance this can be made to is .020 to .025 +/- . Twenty thousandths is a lot of distance between sizes. When our competitors use this grade of tubing, must be slit and compressed over and around the inserted piece. Therefore you could have a situation of one size of tubing having a .020+ tolerance and the smaller inserted piece of tubing having a .020- tolerance.

< > That not only does our tubing glove sleeve, it is color coded and pre drilled on our automated drill line? That our automated line allows us to drill all the holes on a single piece of tubing at the same time within a 32nd of an inch accuracy?

< > That this process gives you a quality product which is easy to assemble and will give you years of reliable use? That the average time in use for a Mosley is 25 years? That the antenna can be reconditioned with parts from our parts department which contains parts going back 60 years at a nominal cost? That once the antenna is reconditioned, it will go another 25 years?

< > That because of the way we make our product, there is no need for you to measure or adjust the antenna? That the various pieces of the antenna and boom are pre-drilled and color coded? That to assemble the elements, you simply match the same colored pieces together, align the holes and set them with a stainless screw? That to attach the elements, you simply match the color on the element to the same color code on the boom? **Assembly couldn't be easier! Ninety-Nine per cent of the time the only tools needed is a screw driver and an adjustable wrench!**

< > That the reason your Mosley antenna works as good as our test model is due to all of the special material, drilling, handling, and work that goes into building your Mosley antenna before you even get it? You can see how much hands on labor we use in building a Mosley product. When demand is extra high for our product we will run behind because there is no way to rush the lengthy procedures and testing. We want you to experience Mosley's quality!

< > Do you know the amount of time it takes run 500 to a 1000 of a antenna model? Just the time to run the tubing on our air lines takes 80 working hours per model. With one shift this run would take 10 working days. With two shifts it would take 5 working days. The best we can do is with three shifts and it would take 2-1/2 working days, 24 hours a day to do just one type of product. You can see the amount of organization and time it takes to run just 25 separate models. Not to mention the time needed to test and inspect the finished pieces and traps, box and ship the product.

< > That our competitors don't have the same amount of labor cost Mosley has in building their products? For the most part that our competitors just box the raw tubing and the customer furnishes the labor for the assembly and adjustment of the antenna?

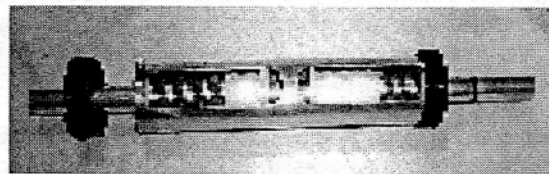
< > That our competitors don't have the same material delays that Mosley does due to the custom nature of the materials we use? All of our materials are especially made to our specifications.

< > When we have delays , we hope you feel that our Mosley antenna is worth waiting for, especially when you consider it has the capability of being used forever! You can be assured that our goal is **to build you the best product that is capable of being made, and at a very competitive price!**

< > That Mosley is the only manufacturer using the EIA engineering standard of 80 m.p.h. for establishing our wind loads? Most everyone else is using 50 or 60 m.p.h. trying to give the appearance of the same quality product as a Mosley? From the beginning of Mosley, our antennas and parts have been designed to be stronger and last longer, with a higher wind capability, than our competitors.

< > That Mosley uses small unnoticed amenities our products, such as, where stainless steel mates with stainless steel, Mosley uses a Phosphorus Bronze washer to act as a barrier so the stainless parts won't seize? These types of little features are laced throughout a Mosley antenna.

< > That Mosley was the first in the industry to offer a two year warranty? That Mosley antennas have survived ice storms, snow storms, sand storms, and hurricanes around the world? We could cheapen our products with lesser materials, which would allow us to lower prices and better compete with our competitors copies, but then our products wouldn't be a Mosley.



## Mosley... "A Better Antenna"

### Revelations

The Mosley "*Trap Master*" trap, the TA-33, the TA-33-JR, the **CLASSIC**\* 33 and other fine Mosley products have become the most copied antenna products in the world!

Regardless of how our competitors try to sell you on their copies, they still aren't a Mosley! The biggest favor you can do for yourself when it comes to buying an antenna, is to just remember the name "Mosley"... "A Better Antenna!"

Even today, competitors are copying our designs, traps, trademarks and infringing our patents so they can try and get as close to a Mosley made product as they possibly can.

Some are even saying their changed traps are a new design, giving you the impression that their products are new to the industry! These designs might be new to them, but they're not to Mosley. Mosley invented it! Mosley has thousands of antenna owners that have been using and taking advantage of our trap design for over 60 years. Hopefully, the amateur of today recognizes the facts of our industry, and isn't taken in by the "**Pretty Pictures**", ironically the "**Higher Prices**" and the "**Misleading Phrases**" that some of our competitors use. Just because something is said or shown over and over, it doesn't change the facts!

**Don't be taken in by all of the advertising hype.** Check it out! Ask someone on the air who has been using a Mosley product for the last 30 years. They'll be glad to give you the facts. Mosley has been making antennas, and have had them in use longer than our competitors have been building HF antennas!

If you're new to amateur radio and want to become an antenna expert, just remember to buy a Mosley and you'll automatically become an expert. Get the original! A Mosley *Trap Master*.... "Still A Better Antenna!"

We can't cover all the reasons **we feel that when you purchase a MOSLEY, you are getting the best value in an antenna product** that you can buy in this catalog! But dollar for dollar, Mosley provides you with the best products you can buy anywhere in the world.

Check out the weight differences, the band widths, the SWR curves, and the frequencies covered for a similar antenna. We think you will agree with us that Mosley delivers the best all around products in the industry!

This catalog contains the antennas, which we have received the most request for from the Amateur community. Mosley has over 4,500 different types of antennas on file in our engineering department. If there is a special or custom antenna that you have need of, call our engineering department and we will try and help fill your request. **Thank you** for your interest in MOSLEY!

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## "Feed For Thought"

### **Feed Systems for HF Antennas - The Simpler, the Better!**

Despite the popular belief that linear radiators normally employed in 2 and 3 element parasitic arrays don't have a drive point impedance of 52 ohms when open at the center, they do! To feed such a radiator, it is only necessary to connect a 52 ohm line to each half of the radiator, at the center, to achieve a perfect 50 ohm match.

However, because of certain design characteristics and cost, some beam antennas are required to use an elaborate, and sometime unstable matching devices, such as a *Gamma*, *T-Match* or some variations to achieve 50 ohms. These devices are usually difficult to adjust and do not maintain 50 ohms when used in multiband beams.

MOSLEY "**TRAP MASTER**" beams, however, are designed so that the antenna does not need or require any unwieldy matching arrangements. Our beams are fed by connecting the coax line **directly to the open center** of the radiator giving an excellent match, since the rig is at 50 ohms and the unbalanced coax is matched to an unbalanced load the R.F. flows perfectly without the need of a balun or other matching devices. The result is a perfect 50 ohm zero "J" over the entire width of each Ham band. The result is an extremely low SWR near resonant frequencies of each band and the ability to *range* from one end of the band to the other without excessive SWR.

By eliminating such matching devices, MOSLEY "**TRAP MASTER**" beams provide their users with stable and dependable operation without the necessity of frequent trips to the roof or up the tower to make readjustments. The coax we recommend for HF antennas\* is a good grade of **RG-8U** or **RG-213**, these coaxes will give you a good, stable, consistent match to your antenna.

**NOTE\*** We do not recommend 9913 type coax being used in HF applications.

Why Buy A Copy of a Mosley?

Note: You can Add 12, 17, 40 or 30 Meters to the TA-33-M.  
You can't with the copies.

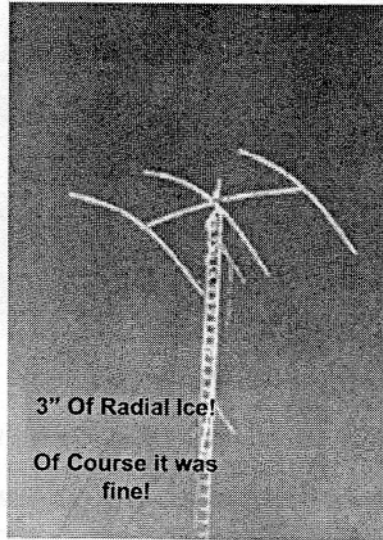
The Original!

TA-33-M

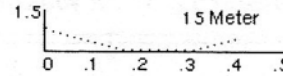
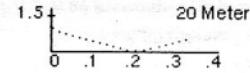
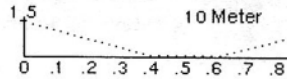
("The Best Known Tri-Bander in the World")  
10-15-20 Meter, 3 Element Beam

Specification and Performance Data

Forward Gain:	10 Meter	8.3 dbd.
	15 Meter	7.3 dbd.
	20 Meter	6.5 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	1.5 KW
	SSB.	2.5 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		14 ft.
Turning Radius:		15' 6"
Mast Size:		1-1/2"
Maximum Element Length:		28 ft.
Assembled Weight (approx.):		37 lbs.
Wind Surface Area (in sq. ft.):		5.7 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		114 lbs.
Shipping Weight (approx.):		42 lbs.
Warranty:		2 Years



April 2, 2006 - Greetings Gary Sr, Thought I had better report on the antenna that you shipped to me last month...No problem at all to assemble and fix to the tower, yesterday was our first bit of wind it did not even sway so that was impressive, on the few contacts that I have made I am receiving better reports than what I give and I am only tuning up to 80 watts also swr is so low that I have by passed the atu and direct couple into the rig, Mostly on cw but have edged up the band (20 mtrs ) on phone a few times still low swr,15 mtrs is the same but will have to use the tuner for 10mtrs if it ever opens up agn. Only hiccup was that I had to pay GST to Govt before they would release it, anything over the value of \$400.00 NZ has to pay Goods and Services Tax (thieving hounds ) Oh well it is up and going and you have a satisfied customer enjoying what others have told me. regards es tnx 73 cheers for now Stan ZL2BLQ....ZL2SWR (club) trustee



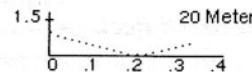
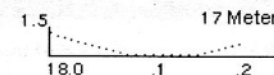
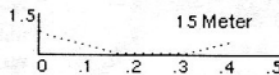
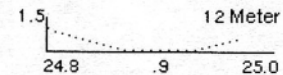
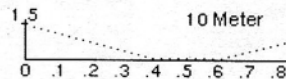
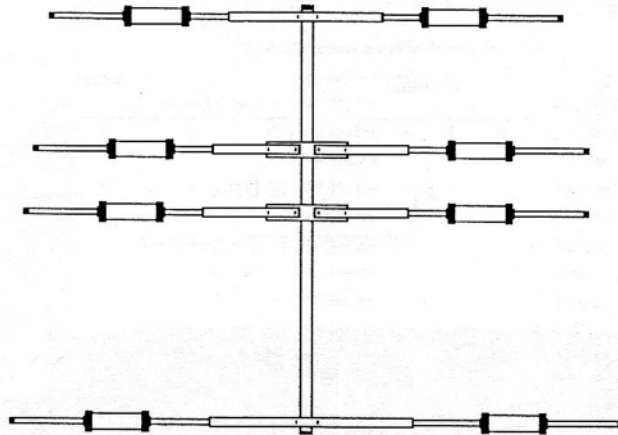
Mosley TA-33-M-WARC

10, 12, 15, 17, 20 Meters

Specification and Performance Data

TA-33-M-WARC

Forward Gain:	10 Meter	8.3 dbd.
	12 Meter	0.0 dbd.
	15 Meter	7.3 dbd.
	17 Meter	0.0 dbd.
	20 Meter	6.5 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db.
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		14 ft.
Turning Radius:		15 ft. 6 in.
Recommended Mast Size:		1-1/2"
Maximum Element Length:		28 ft.
Assembled Weight (approx.):		42 lbs.
Wind Surface Area (in sq. ft.):		6.7 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		129 lbs.
Shipping Weight (approx.):		52 lbs.



Saving you MONEY Factory Direct!



Mosley... "A Better Antenna"

"Most Popular Small Tri Band in the World!"

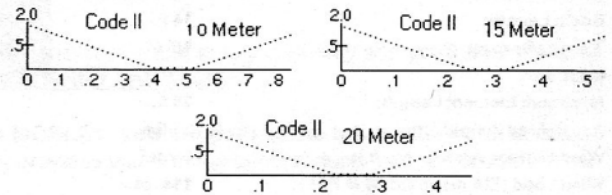
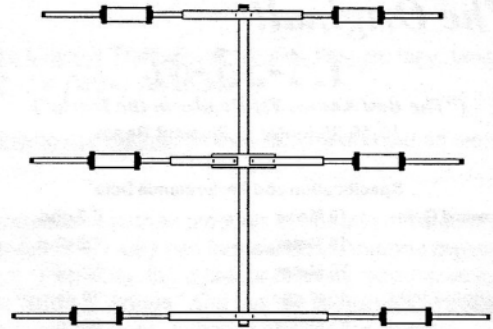
**Mosley TA-33-JR-N**

**"The Original Light Weight Tri-Bander"**

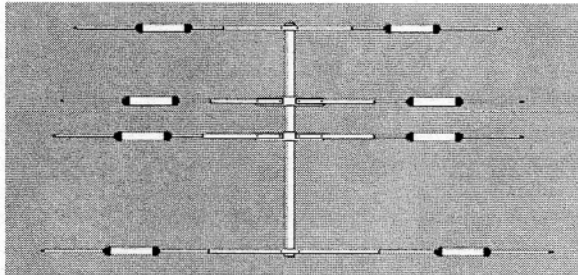
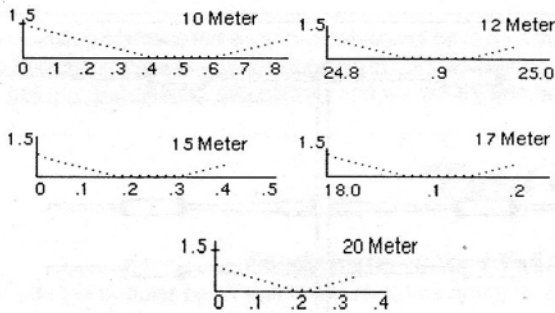
10-15-20 Meter, 3 Element Beam

Specification and Performance Data		
Forward Gain:	10 Meter	8.0 dbd.
	15 Meter	7.8 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	.5 KW
	SSB	1.2 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		12 ft.
Turning Radius:		14' 9"
Mast Size:		1-1/2"
Maximum Element Length:		26 ft. 8"
Assembled Weight (approx.):		21 lbs.
Wind Surface Area (in sq. ft.):		4.3 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		86 lbs.
Shipping Weight (approx.):		30 lbs.
Warranty:		2 Years

Subject: ve9vic congrats mosley:  
I have a ta33 jr, for over 6 years, survived wind of 55mph, freezing ice the last time, january 2006 there was about half an inch of ice, the elements were like a bow for almost two weeks before temperature rise enough and ice melted, everything went back to normal very tough antenna, I have wrote a review on e-ham.net a good antenna is one that stay were it should be, I am looking to add a 30 meter soon, thanks, rino, ve9vic



"With the Copies of our TA-33-JR you can't add 12 & 17 meters!"



**Mosley TA-33-JR-N-WARC**

10, 12, 15, 17, 20 Meters

Specification and Performance Data		
TA-33-JR-N-WARC		
Forward Gain:	10 Meter	8.1 dbd.
	12 Meter	0.0 dbd.
	15 Meter	6.9 dbd.
	17 Meter	0.0 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db.
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:	CW	.5 KW
	SSB	1.2 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		12 ft.
Turning Radius:		14 ft. 9 in.
Recommended Mast Size:		1-1/2 in.
Maximum Element Length:		27 ft. 1"
Assembled Weight (approx.):		27 lbs.
Wind Surface Area (in sq. ft.):		4.9 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		96 lbs.
Shipping Weight (approx.):		35 lbs.
Warranty:		2 Years

"Five Bands in One Small Package at a low price!"



TA-33 + TA-33-JR = MP-33-N the best of both antennas

M.E.I.

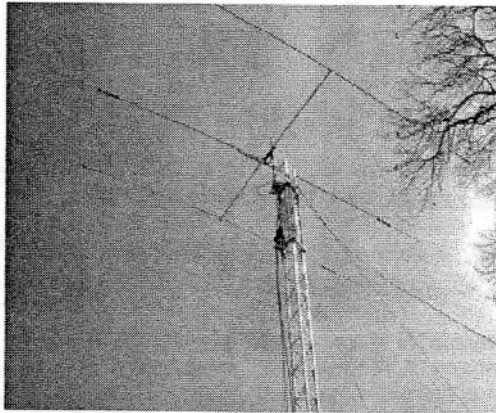
## Mosley MP-33-N

10-15-20 Meter, 3 Element Beam

### Specification and Performance Data

#### MP-33-N

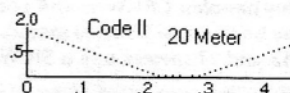
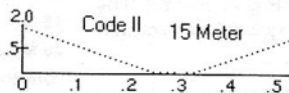
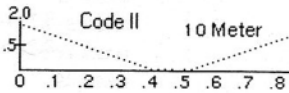
Forward Gain:	10 Meter	8.0 dbd.
	15 Meter	6.8 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	1.1 KW
	SSB	2.0 KW
SWR at frequency:		1.0/1 to
		1.6/1
Boom Length:		12 ft.
Turning Radius:		14' 9"
Mast Size:		1-1/2"
Maximum Element Length:		26 ft. 8"
Assembled Weight:		21 lbs.
Wind Surface Area (in sq. ft.):		4.7 ft. <sup>2</sup>
Wind Load (EIA standard 80 MPH):		86lbs.
Shipping Weight (approx.):		30 lbs
Warranty:		2 Years



### TIG-ARRAY

Light Weight and Compact. The MP-33-N Uses two TA-33-Jr. elements on the Director and Reflector. For the Radiator it uses the High Power TA-33-M Radiator. This gives the MP-33-N a High Power Capability and you can add a 40 or 30 meter kit to the radiator!

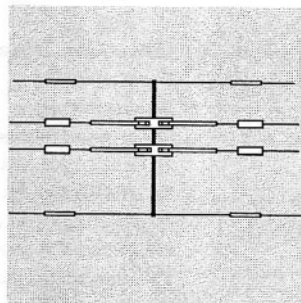
From Canada Original Message -----  
 From: Michel St-Hilaire To: mosley@mosley-electronics.com  
 Sent: Friday, July 01, 2005 3:47 PM  
 Subject: MP-33-N Hi Gary, Quick note to let you know how pleased I am with your product. The antenna has been up for about 1 year now and thru a rather severe, very windy winter without any issues. Although you recommended the antenna be at least 17 feet up, it's mounted 14 feet above the roof, using an 8 foot roof top tower, and guyed with heavy double braided dacron. Tuned to the CW portion of the bands, I hoped my SWR would still be ok and IT WAS.. Indeed, I get a consistent reading of 1.1 to 1.2 across the band, along with superb performance. Worked the "real rare ones" with ease, barefoot, this antenna is simply a charm to use for such a small foot print. The really good news is that my neighbours actually stated that this setup looks quite nice, a real compliment... Thank you again for such quality products and superb workmanship. Warm regards, Michel VE2CU



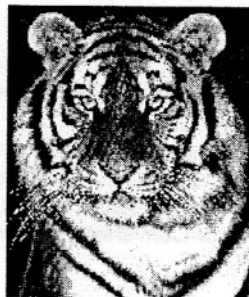
Use the TA-40-KR or TA-30-KR kit when adding 40 or 30 meters to this antenna.

## Mosley MP-33-N-WARC

10, 12, 15, 17, 20 Meters



### TIG-ARRAY



### Specification and Performance Data

#### MP-33-N-WARC

Forward Gain:	10 Meter	8.1 dbd.
	12 Meter	0.0 dbd.
	15 Meter	6.9 dbd.
	17 Meter	0.0 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:	CW	1.1 KW
	SSB	2.0 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		12 ft.
Turning Radius:		15 ft.
Recommended Mast Size:		1-1/2 in.
Maximum Element Length:		27 ft. 1"
Assembled Weight (approx.):		29 lbs.
Wind Surface Area (in sq. ft.):		5.4 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		116 lbs.
Shipping Weight (approx.):		35 lbs.
Warranty:		2 Years

Use the TA-40-KR or TA-30-KR kit when adding 40 or 30 meters to this antenna.

*Saving you MONEY Factory Direct!*

# TA-34-XL

## "The Gun"

### TRUE FOUR ELEMENT TRI-BANDER

*For those who have a limited amount of antenna space and are mainly interested in 10, 15, and 20 meters.*

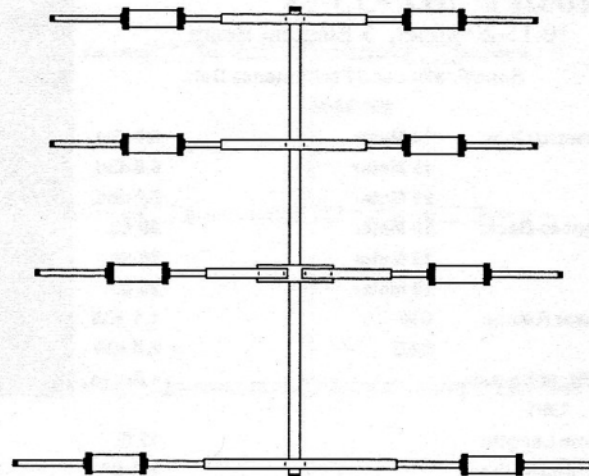
The TA-34-XL is a 4 element beam for 10, 15, and 20 meters, with true 4 element mono band performance on 10, 15 meters. On 20 meters the "XL" has good gain and front-to-back ratios.

The TA-34-XL incorporates the "Trap-Master" quality giving exceptionally broad banded performance to give excellent results over the full Ham bandwidth.

Exclusive Mosley Trap design offers resonant frequency stability under all weather conditions.

Element center sections are double walled to reduce sag. Boom is 2 inch OD. with a wall thickness of .104 +.125 at the sections. The TA-34-XL use a heavy duty mounting plate that fits a 2 in. OD. mast.

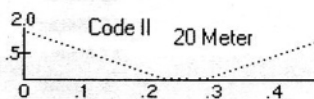
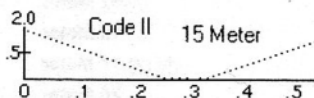
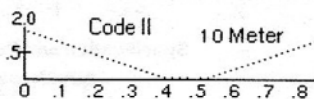
Antenna easily handles 1.5 KW on CW and 2.5 KW P.E.P. on SSB. The TA-34-XL may be used on 30 or 40 meters by adding a KR conversion kit. To add 12 and 17 meters use a SR WARC Kit.



### Specification and Performance Data TA-34-XL

<b>Forward Gain:</b>	
10 Meter	9.5 dbd.
15 Meter	9.1 dbd.
20 Meter	8.2 dbd.
<b>Front-to-Back Ratio:</b>	
10 Meter	18 db.
15 Meter	18 db.
20 Meter	18 db.
<b>Power Rating:</b>	
CW	1.5 KW
SSB	2.5 KW
<b>SWR at resonant frequency:</b>	1.0/1 TO 1.9/1
<b>Boom Length:</b>	2"X.104+125 X 21'
<b>Turning Radius:</b>	17 ft. 9 in.
<b>Recommended Mast Size:</b>	2 in.
<b>Maximum Element Length:</b>	28 ft.
<b>Assembled Weight:</b>	68 lbs.
<b>Wind Surface Area (in sq. ft.):</b>	6.9 ft. <sup>2</sup>
<b>Wind Load (EIA standard 80 M.P.H.):</b>	164 lbs.
<b>Shipping Weight (approx.):</b>	72 lbs.
<b>Warranty:</b>	2 Years

### TA-34-XL SWR



### TA-34-M Conversion Kit TA-33/TA-34-M

Up-grade your present TA-33-M to a TA-34-M. All parts are furnished to provide you a simple upgrade to even more outstanding performance. Increases gain, also provides a narrower pattern, more directive, increasing the performance on all three bands. (See Data for TA-34XL. TA-34-M data is the same except for weight, 58 lbs. TA-34-M uses a nylon strut with a furnished bracket to attach to your existing mast. When ordering the TA-34-M or Conversion for the TA-33-M specify the size of your mast.)

Also add 40 Meters with the TA-40-KR Kit!

## Mosley TA-34-XL-WARC

10, 12, 15, 17, 20 Meters

### Five Physical Elements

### 4 Active Elements on 20, 15, and 10 meters!

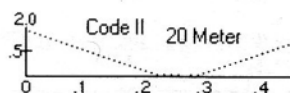
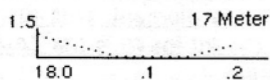
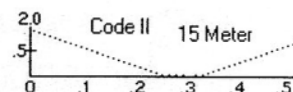
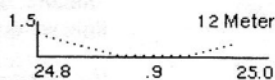
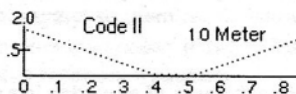
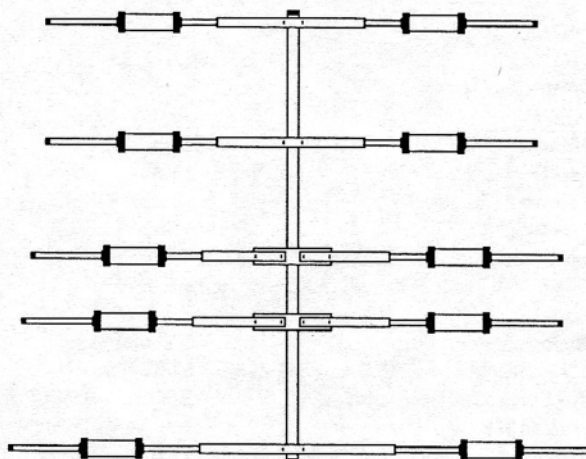
"You need a 5 element wide space mono-band beam to beat the XL on 10 or 15 meters."

The TA-34-XL-WARC gives you a "Tremendous Signal" on 20, 15, and 10, while giving you access to 12 and 17 meters with an above average signal! All on a 21' strut-less heavy duty boom, and a single feed line. The TA-34-XL-WARC even can have 40 OR 30 meters added to it which would end up giving you high performance on "6" bands in a medium size antenna. Check it out!

### Specification and Performance Data

#### TA-34-XL-WARC

Forward Gain:	10 Meter	9.5 dbd.
	12 Meter	0.0 dbd.
	15 Meter	9.1 dbd.
	17 Meter	0.0 dbd.
	20 Meter	8.0 dbd.
Front-to-Back:	10 Meter	18 db.
	12 Meter	0 db.
	15 Meter	18 db.
	17 Meter	0 db.
	20 Meter	18 db.
Power Rating:	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		21 ft.
Turning Radius:		17 ft. 9 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		28 ft.
Assembled Weight (approx.):		78 lbs.
Wind Surface Area (in sq. ft.):		7.7 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		144 lbs.
Shipping Weight (approx.):		88 lbs.
Warranty:		2 Years



Also Add 40 Meters with the TA-40-KR Kit!

*Saving you MONEY Factory Direct!*



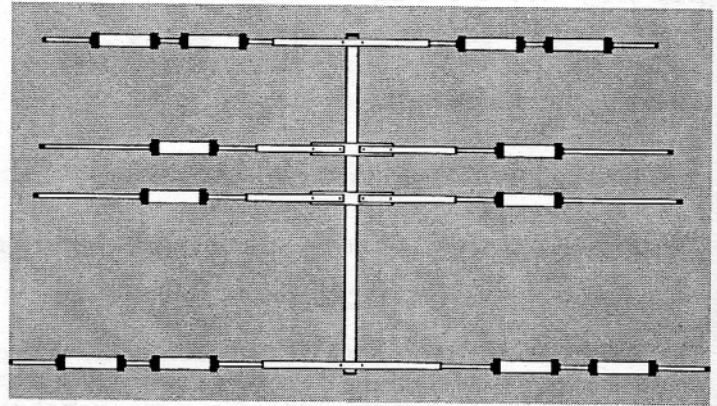
Mosley... "A Better Antenna"

# Mosley TA-53-M

Another Mosley First!

(One of our most popular antennas)

- 10, 12, 15, 17 & 20 Meter
- 4 Element Beam
- 3 Elements on 10, 12, 15, 17 & 20 Meters
- Good all-around performance
- No Measuring • Pre-Drilled • Color Coded.
- Stainless Steel Hardware
- 2 Year Warranty



### Specification and Performance Data

#### Forward Gain:

10 Meter	7.9 dbd.
12 Meter	7.1 dbd.
15 Meter	6.9 dbd.
17 Meter	6.7 dbd.
20 Meter	6.5 dbd.

#### Front-to-Back Ratio:

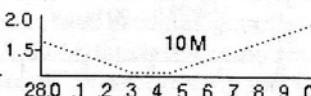
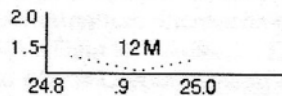
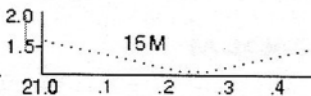
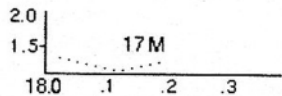
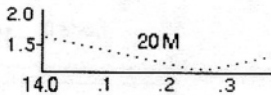
10 Meter	16 db.
12 Meter	5 db.
15 Meter	13 db.
17 Meter	12 db.
20 Meter	10 db.

#### Power Rating:

CW	1.5 KW
SSB	2.5 KW

#### Matching System:

Recommended coax: (RG-8-U/RG-213)	50/52 ohm
SWR at resonant frequency:	1.0/1 to 1.65/1
Boom Length:	2" x 14 ft.
Turning Radius:	14 ft. 11 in.
Recommended Mast Size:	2 in.
Maximum Element Length:	26 ft. 8 in.
Assembled Weight (approx.):	55 lbs.
Wind Surface Area (in sq. ft.):	6.7 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):	160 lbs.
Shipping Weight (approx.):	66 lbs.
Warranty:	2 Years



The TA-53-M was designed to give the Ham who would like to have a 3 element beam on "5" bands, but need to keep the size of the antenna to a minimum.

The design criteria was:

1. A single feed line.
2. A very broad band capability, which will easily work with the new solid state rigs.
3. An antenna that was as compact as possible to justify its use on five bands.
4. To tune the 53-M for optimum gain, for a "5" band beam on a 14' boom.
5. To minimize the self interaction of the antennas operating frequencies due to the close proximity to each other on the various bands.
6. Build it to withstand any above average environments.

We feel this has been accomplished only at the expense of front to back. We considered this to be the least area of importance considering only one director and one reflector spaced over a 14' boom working on five bands.

For the ham that wants a heavy duty all around performer the TA-53-M is for you. It will equal or exceed anyone's 3 element beam on a 14 foot boom in the areas of gain, band width, swr and construction.

Even though the beam is on a 14' boom and we consider it a small, light weight antenna, it is heavier than our TA-33-M and two times heavier than some of our competitors products. This is due to its extra heavy duty construction. This antenna was originally designed to be used as a "light" weight Military and Commercial antenna; and in our Commercial department, it is considered light weight.

We feel the TA-53-M gives a Ham the best of all worlds in a small compact antenna.

The TA-53-M can also have 30 or 40 meters added to its front Driven element. This 40 meter kit can be added at any time. The kit for 40 is the TA-40-KR. The TA-30-KR adds 30 meters.

**NOW YOU CAN ADD 6 METERS WITH THE 53 To 63 Kit!**



**NEW! Just Out!**

**WHY "STEP DOWN" OR "FORCE" A SIGNAL WHEN YOU CAN HAVE A BIG SIGNAL WITH AUTOMATIC TUNING AND DECADES OF GREAT MOSLEY PERFORMANCE?**

**Mosley TA-54-XL & TA-54-XL-6\***

10, 12, 15, 17, 20 Meters

6,10,12,15,17, 20 Meters

**1 Feed Line, Automatic Tuning!****Five Physical Elements****4 Active Elements on 20, 17, 15, 12, 10, (6\* TA-54-XL-6)****"You need a 5 element wide space mono-band beam to beat the XL on 10, 12, 15 and 17 meters."**

**(One of our most popular antennas, the TA-53-M, made EVEN BETTER!)**

\*6, 10, 12, 15, 17 & 20 Meter  
 4 Element Beam or 7 Element Beam\*  
 4 Elements on \*6, 10, 12, 15, 17 & 20 Meters  
 Good all-around performance  
 No Measuring • Pre-Drilled • Color Coded.  
 Stainless Steel Hardware  
 2 Year Warranty

**Specification and Performance Data****Forward Gain:**

* 6 Meter	6.9 dbd.
10 Meter	8.2 dbd.
12 Meter	8.1 dbd.
15 Meter	7.9 dbd.
17 Meter	7.7 dbd.
20 Meter	7.5 dbd.

**Front-to-Back Ratio:**

* 6 Meter	20 db.
10 Meter	16 db.
12 Meter	10 db.
15 Meter	15 db.
17 Meter	14 db.
20 Meter	15 db.

**Power Rating:**

CW	1.5 KW
SSB	2.5 KW

6 Meters Limited to 250 watts

**Matching System:**

"Q" match

**Recommended coax: (RG-8-U/RG-213)**

50/52 ohm

**SWR at resonant frequency:**

1.0/1 to 1.65/1

**Boom Length:**

2" x 21 ft.

**Turning Radius:**

17 ft. 1 in.

**Recommended Mast Size:**

2 in.

**Maximum Element Length:**

26 ft. 8 in.

**Assembled Weight (approx.):**

84 lbs.

**With 6 Meters**

87 lbs.

**Wind Surface Area (in sq. ft.):**8.7 ft.<sup>2</sup>**Wind Load (EIA standard 80 MPH):**

196 lbs.

**With 6 Meters**

199 lbs.

**Shipping Weight (approx.):**

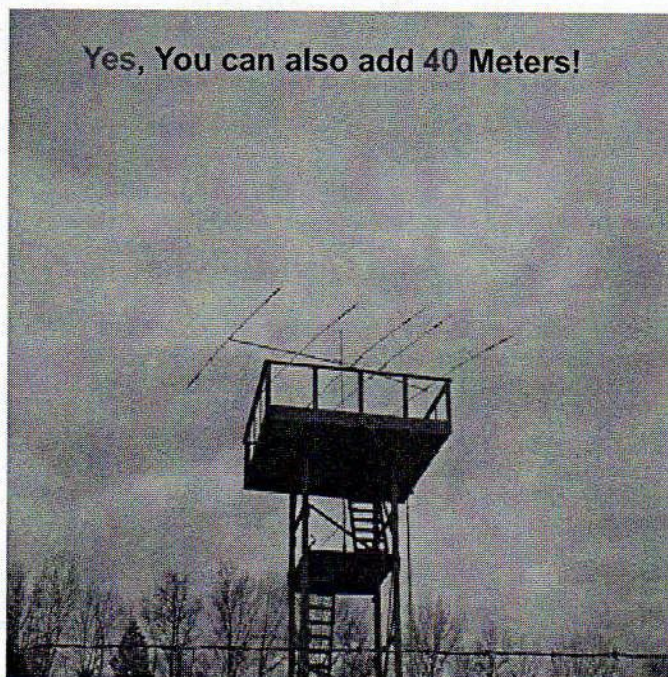
91 lbs.

**With 6 Meters**

94 lbs.

**Warranty:**

2 Years

**Saving you MONEY Factory Direct!**

**Yes, You can also add 40 Meters!**

**Introducing the TA-54-XL & TA-54-XL-6**

**This antenna is designed to compete with anyone's antenna!**

**Automatic tuning! No Moving Parts!**

**Only Uses the Best of Aircraft Grade Tubing!**

**All Hardware is the Best Stainless Steel Made!**

**Average Anticipated Life Before Needing Replacement Parts is 27 Years!**

**What more could a Ham ask of an antenna?**

**Last But Not Least, "It's a MOSLEY"!**

**Buy NOW!**



# Classic\* CL-36-M

10, 15 & 20 Meter  
 6 Element Beam  
 8.1 db. Average Forward Gain  
 20+ db. Front-to-Back Ratio

The "CL-36" is designed for the operator who wants the best performance possible in a Tri Band antenna. The CL-36 gives you a "BIG" signal on 10-15-20.

The Classic\* 36 features the Mosley patented "Classic Feed" System for capacitive matching.

*A sure formula for DX success!*

**Six wide spaced elements:** Four operating elements on 10 meters, Three operating elements on 15 and 20 meters. Band switching is automatic by means of high-impedance resonant trap circuits.

This exclusive Mosley trap design provides resonant stability under all conditions and handles the full 1500 watts CW and 2500 watts P.E.P. on SSB.

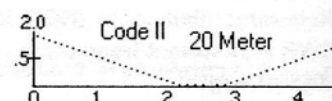
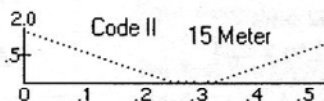
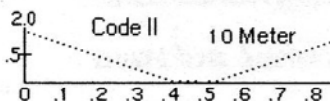
The rugged lightweight aluminum construction with stainless steel hardware enables the Classic 36 to withstand high winds, extreme cold and equatorial heat.

This beam will weather the rigors of climate variation and long use.

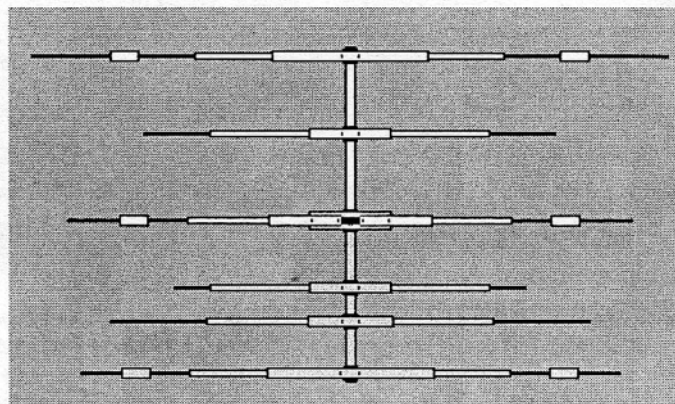
A 2" outside diameter support mast and medium to heavy duty rotor are recommended.

Like all Mosley antennas the CL-36-M comes complete with illustrated instructions and is color coded with pre-drilled holes for ease of assembly.

The CL-36-M isn't designed for 12, 17, 30 or 40 meter conversions.



The Best Performing Tri Bander In Its Size!



## Specification and Performance Data CL-36-M

Forward Gain:	10 Meter	9.1 dbd.
	15 Meter	8.6 dbd.
	20 Meter	8.4 dbd.
Front-to-Back:	10 Meter	25 db.
	15 Meter	24 db.
	20 Meter	24 db.
Power Rating:		
	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 2.0
Boom Length:		2" x .104 + .125 x 24'
Turning Radius:		19 ft. 3 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		29 ft 9 in.
Assembled Weight (approx.):		69 lbs.
Wind Surface Area (in sq. ft.):		10.7 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		210 lbs.
Shipping Weight (approx.):		74 lbs.
Warranty:		2 Years

**NOTE: A Nine element version for 10, 15, and 20 is available on a 36 foot boom. The CL-39!. It is a tremendous antenna on these bands. No competitors antenna of any kind will touch it in strength or performance!**

\*The name "Classic", "Mosley Classic", "Classic 33", "CL-33 Classic", "Classic Feed", "Classic Tri-Band Beam", "Classic 3 Band" are all copy copyrighted or patented names solely belong to Mosley Electronics, Inc. Any use without the express permission of M.E.I. is prohibited.

# CL-33-WARC

Covers 10, 12, 15, 17, 20 Meters

**\*CL-33 owners, now you can add 12, 17, and 40 Meters to your system! See CL-33-WARC kit.**

The **CL-33-WARC\*** is a heavy duty 4 element beam for **10, 12, 15, 17, 20 Meters!** This New beam is built in the **MOSLEY** tradition and will give you **YEARS** of great performance!

This antenna is designed to give you an Excellent 3 element beam on 10, 15, and 20 meters, with better performance than the original CL-33. The CL-33-WARC also has a single rotatable dipole on 12 and 17 meters.

The **CL-33-WARC** uses the Mosley "Q" match and gives the antenna a bandwidth that is twice as broad as the old CL-33. The CL-33-WARC uses just one feed line and now is a simple direct feed connection.

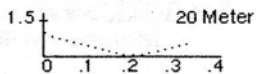
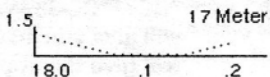
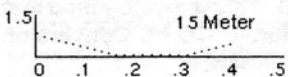
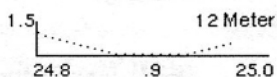
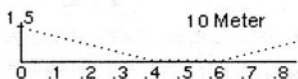
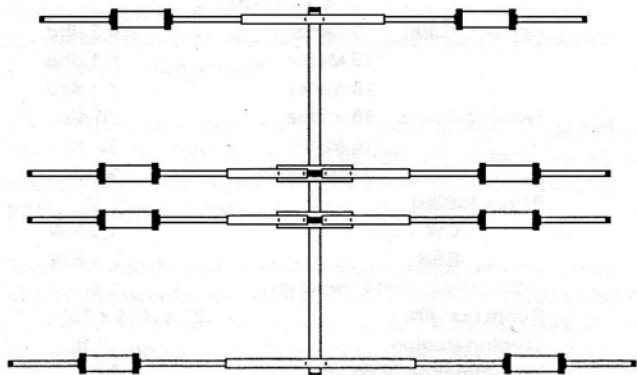
New to the CL-33 series is the ability to add 40 meters to the CL-33-WARC. You can now use our standard TA-40-KR to add 40 meters. Also those who already own a CL-33 can convert their Classic to a CL-33-WARC and then can add the 40 meter add on.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

Our hardware is made of the best grade of **Stainless Steel** and our tubing is **Aircraft grade drawn** aluminum. The warranty on the **CL-33-WARC** antenna is **two years** against any defects of material or workmanship.

### Specification and Performance Data CL-33-WARC

Forward Gain:	10 Meter	8.5 dbd.
	12 Meter	0.0 dbd.
	15 Meter	8.1 dbd.
	17 Meter	0.0 dbd.
	20 Meter	7.0 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db.
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:		
	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		2" x .125 x 18'
Turning Radius:		15 ft. 6 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		28 ft.
Assembled Weight (approx.):		52 lbs.
Wind Surface Area (in sq. ft.):		7.0 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		131 lbs.
Shipping Weight (approx.):		57 lbs.
Warranty:		2 Years



### \*Mosley CL-33-WARC Kit

**\*Convert your CL-33 to a CL-33-WARC with our CL-33-WARC-Kit. This is an easy mod, that will give your CL-33 even "Hotter" performance, more band width and versatility!**

# CL-33-M

Covers 10, 15, 20 Meters

"Tried and True!"

The **CL-33-M** is a heavy duty 3 element beam for **10, 15, 20 Meters!** This beam is built in the **MOSLEY** tradition and will give you **YEARS** of great performance!

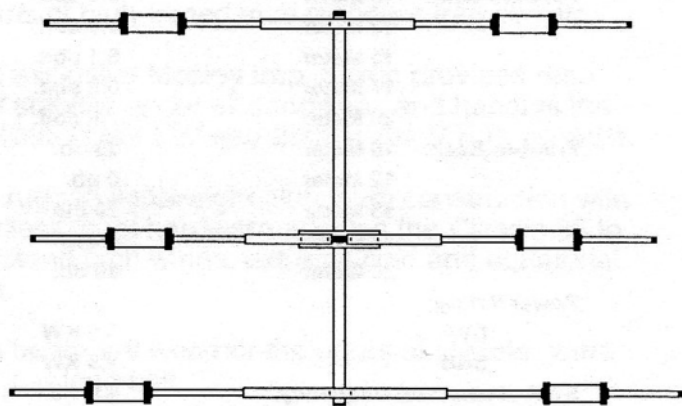
The Mosley **CL-33-M** is designed to give you an Excellent 3 element beam on 10, 15, and 20 meters.

The **CL-33-M** uses the Mosley "**Classic**" match and gives the antenna an excellent bandwidth while maintaining a High "Q" throughout all three bands.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

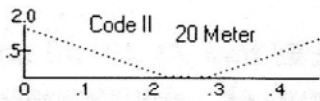
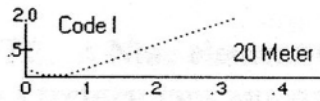
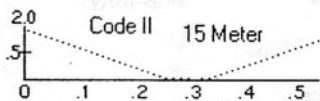
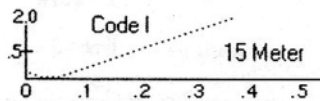
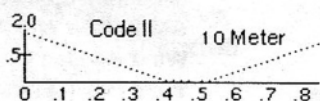
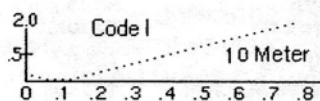
As with ALL Mosley antennas, our hardware is made of the best grade of **stainless steel** and our tubing is **aircraft grade drawn aluminum**. The warranty on the **CL-33-M** antenna is **two year** against any defects of material or workmanship.

For above average Tri Band performance a CL-33-M is for you! Ask the Ham that owns one.



### Specification and Performance Data CL-33-M\*

Forward Gain:	10 Meter	8.5 dbd.
	15 Meter	8.1 dbd.
	20 Meter	7.3 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	23 db.
	20 Meter	23 db.
Power Rating:		
	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1
Boom Length:		2" x .125 x 18"
Turning Radius:		16 ft.
Recommended Mast Size:		2 in.
Maximum Element Length:		27 ft.
Assembled Weight (approx.):		42 lbs.
Wind Surface Area (in sq. ft.):		6.0 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		120 lbs.
Shipping Weight (approx.):		47 lbs.
Warranty:		2 Yrs.



### NEW! Mosley CL-33-WARC Kit

Convert your CL-33 to a CL-33-WARC with our "NEW" CL-33-WARC-Kit. This is an easy mod that will give you an even "Hotter" CL-33. Conversion will give the above performance!

Once your conversion is completed you can add 40 Meters with a TA-40-KR!

\*The name "Classic", "Mosley Classic", "Classic 33", "CL-33 Classic", "Classic Feed", "Classic Tri-Band Beam", "Classic 3 Band" are all copyrighted or patented names solely belong to Mosley Electronics, Inc. Any use without the express permission of M.E.I. is prohibited.



## The Mosley "SUPER" Beams, the "PROS!"

There are those out there that have been trying to copy and design a version of the PRO for the last 14 years, but as with the copied TA-33, the TA-33 is still the best performing, durable, 14 foot tri-band beam made. The PRO series are the best performing, reliable and cost affective multi frequency antenna in the market place.

Regardless of what other products our competitors sell to compete with the PROs, the **PRO series** offers the best **all around** beams in the industry! (The PRO's offer the radio community the most complete, cost affective and varied product line anywhere in the world.)

The newest antenna to the PRO family is our "New" PRO-67-C! This antenna has become are most popular PRO and there are good reasons why it has. The 67-C has 3 elements on 40 meters and a rotatable dipole on 30 meters! The 30 meter portion of the **PRO-67-C** has outperformed all of the dipoles, verticals, loops and vee's we have tested it against. Add in the other 5 bands and you can see we have one of the most powerful, versatile beam antenna made anywhere in the world! Nothing else exists to compete with the 67-C. In performance or price!

These PRO's have been "Hurricane" tested in both "Hugo and "Andrew". The PROs have been through one of the worst ice storm in Minnesota in years. Regardless of the environment the PROs are rugged, stable, and reliable year after year.

When you lead the pack in creative design, we realize we are going to get the most criticism and heat. That is why we keep reviewing all of our products to see what we can do to improve their performance. We want to be our worst critic! It is easy to take someone else's idea and pick it apart. The latest generation of PRO's are better performers than the original PRO-37 of 1980, the PRO-57 of 1984, the PRO-57-A of 1988.

The PRO-57-B of July of 1991 is the best built, most trouble free "5" band, "7" element, 24 foot boom antenna in the world. Period!

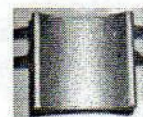
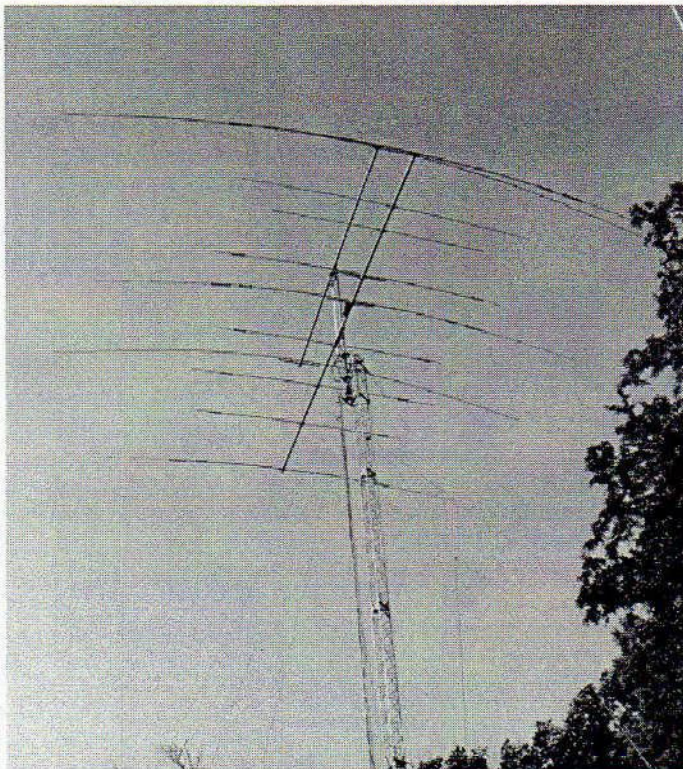
We have included a few of the names and calls of hams who own the PROs on page 19 of the catalog. We encourage you to contact them to hear what they think of their antenna. If you need more information on the PROs or would like more references, please contact our engineering department.

All of the PROs are predrilled and Color Coded so they are extremely easy to assemble. There is no need to measure, adjust elements or deal with hose clamps.

We weight test our element sections. A Mosley will take 1.4 times more pulling strength than any other design. We use seamless aircraft grade tubing with a telescoping tolerance of +/- .003 to .005 thousands. Once our stainless screw is inserted into these element sections they aren't going to fall apart. Our element to boom clamps are made by us, from our own sand castings. These parts, in their own right, are a beautiful piece of workmanship! Our 24' booms are strong enough to survive extreme ice, winds and other weather conditions without a strut.

The "in use", life of a Mosley, is between 27 and 30 years! That's longer than most of our competitors have been in the antenna business or making HF type antennas!

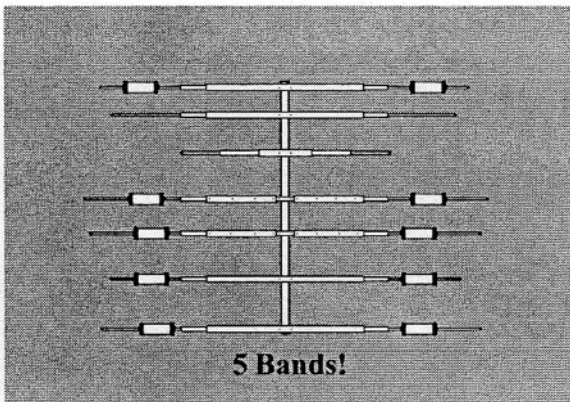
If your looking for an antenna with "Excellent" performance, which is trouble free and a great investment, then all you have to do is remember the name "Mosley"! The name "Mosley" is the most important thing you need to know about antennas!





# PRO-57-B

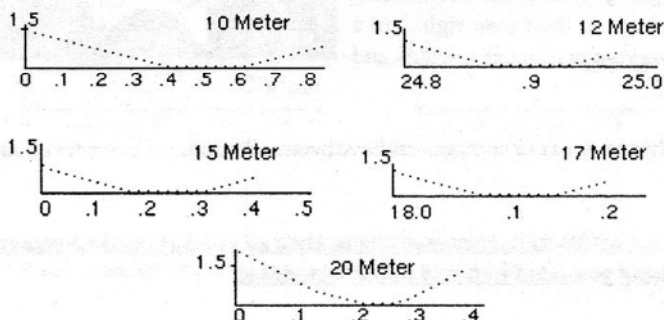
7 Element covers 10, 12, 15, 17, and 20 Meter



*Specifications and Data*

<b>Forward Gain:</b>		
10 Meter	(4 Elements)	9.4 dbd.
12 Meter	(3 Elements)	8.3 dbd.
15 Meter	(3 Elements)	8.5 dbd.
17 Meter	(3 Elements)	8.5 dbd.
20 Meter	(3 Elements)	8.5 dbd.
<b>Front-to-Back:</b>		
10 Meter		20 db.
12 Meter		15 db.
15 Meter		20 db.
17 Meter		23 db.
20 Meter		20 db.
<b>Power Rating:</b>	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
<b>SWR at resonant frequency:</b>		1.0/ 1.6
<b>Boom Length:</b>	(Standard 2" x .104 + .125 x 24 ft.)	
	(Optional 3" x .109 + .125 x 24 ft.)	
<b>Turning Radius:</b>		18 ft. 4 in.
<b>Recommended Mast Size:</b>		2 in.
<b>Maximum Element Length:</b>		27 ft. 6 in.
<b>Assembled Weight:</b>	2" Boom	92 lbs.
	3" Boom	106 lbs.
<b>Wind Surface Area (in sq. ft.):</b>		11.0 ft. <sup>2</sup>
<b>Wind Load (EIA standard 80 M.P.H.):</b>		280 lbs.
<b>Shipping Weight (approx.):</b>		110 lbs.
<b>Warranty:</b>		2 Years

SWR Curves are for Code Setting II



Same as a PRO-57-B plus a rotatable dipole on 40 Meters. The 40 Meter element will out perform a fixed dipole, vertical or loop antenna. Great on 40, and can be upgraded to a PRO-67-B later on!

6 Bands!

## PRO-57-B-40

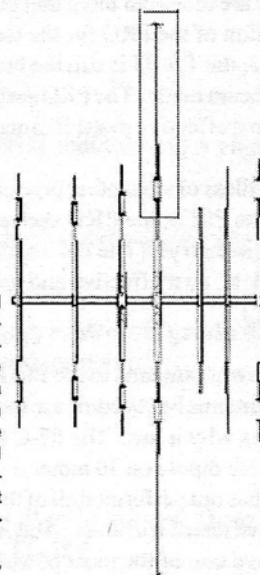
10-12-15-17-20-40 Meter

7 Element Beam

Mosley Electronics, 12-17-05

The Pro-57 is up and working fantastic. SWR is right on without any additional adjustments at all. Even at 16 feet, basically on the roof, I am getting signal reports of 15 to 20 over on 20 meters. The tower motors up to 55 feet. This antenna was completely installed by one person (a 62 year-old aging ham)--I carried the boom and two driven elements up and clamped by myself, then carried the additional 5 elements up one at a time. But the entire process was only one afternoon.

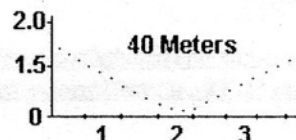
Thanks for a great antenna. John, W3HPW



*Specifications and Data*

<b>Forward Gain:</b>		
10 Meter	(4 Elements)	9.4 dbd.
12 Meter	(3 Elements)	8.3 dbd.
15 Meter	(3 Elements)	8.5 dbd.
17 Meter	(3 Elements)	8.5 dbd.
20 Meter	(3 Elements)	8.5 dbd.
40 Meter	(Dipole)	0.0 dbd.
<b>Front-to-Back:</b>		
10 Meter		20 db.
12 Meter		15 db.
15 Meter		20 db.
17 Meter		23 db.
20 Meter		20 db.
40 Meter		0 db.
<b>Power Rating:</b>	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
<b>SWR at resonant frequency:</b>		1.0/1 to 1.6
<b>Boom Length:</b>	(Standard 2" x .104 + .125 x 24 ft.)	
	(Optional 3" x .109 + .125 x 24 ft.)	
<b>Turning Radius:</b>		22 ft.
<b>Recommended Mast Size:</b>		2 in.
<b>Maximum Element Length:</b>		44 ft.
<b>Assembled Weight:</b>	2" Boom	98 lbs.
	3" Boom	110 lbs.
<b>Wind Surface Area (in sq. ft.):</b>		11.3 ft. <sup>2</sup>
<b>Wind Load (EIA standard 80 M.P.H.):</b>		280 lbs.
<b>Shipping Weight (approx.):</b>		117 lbs.
<b>Warranty:</b>		2 Years

SWR Curves are for Code Setting II





6 Bands!

M.E.I.

# PRO-67-B

10-12-15-17-20 and  
2 Elements on "40" Meter 7 Total Elements

## PRO-67-B "The DX Finder"

The "PRO-67-B" is a Great All Around 24 foot boom antenna built anywhere! Only 7 elements giving you "6" BANDS! The performance on these frequencies is above average and gives you a well made beam, which will give you years and years of enjoyable operating. If you compare "Apples to Apples" the PRO-67-B is the best performer in its class!

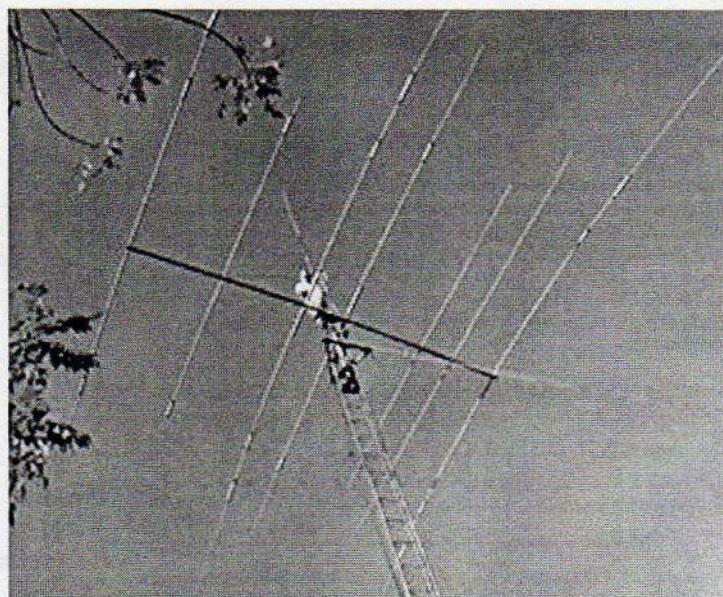
The PRO-67-B uses only 1 feed line with a single connection point. The antenna uses an efficient direct feed. No balun or other matching device is used. The "B" model is far superior to any of the earlier PRO-67's. As with any new concept, the more exploration that takes place, new and better ways are found. This is true of the PRO-67 series. The PRO-67-B has the latest design and incorporates the latest engineering improvements that have evolved over the last 18 years with this design.

Due to the realization that there is always a better way of doing something, Mosley offers up grade kits to your existing antenna which allows you to improve your system without totally replacing your antenna. We want you to have the ability to add our latest technology to your present system.

We are still selling meat with very little sizzle. Our PRO's and the PRO-67-B, with seven elements, will give you big "6" band performance which will allow you to stand out on 10, 12, 15, 17, 20 and 40 with one strong, compact system at a low price!

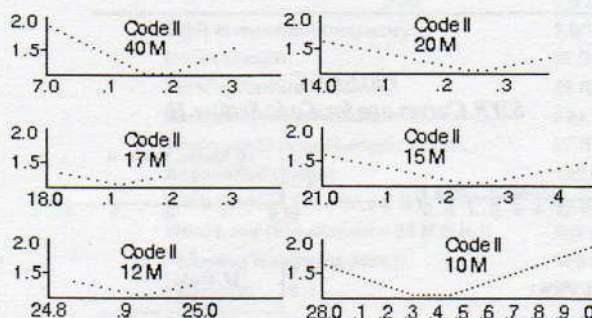
### Specifications and Data PRO-67-B

Forward Gain:		
10 Meter (4 Elements)		9.4 dbd.
12 Meter (3 Elements)		8.3 dbd.
15 Meter (3 Elements)		8.5 dbd.
17 Meter (3 Elements)		8.5 dbd.
20 Meter (3 Elements)		8.5 dbd.
40 Meter (2 Elements)		4.9 dbd.
Front-to-Back:		
10 Meter		20 db.
12 Meter		15 db.
15 Meter		20 db.
17 Meter		23 db.
20 Meter		20 db.
40 Meter		12 db.
Power Rating:		
	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
SWR at resonant frequency: 1.0/1 to 1.6		
Boom Length: (Std. 2" x .104 + .125 x 24 ft.)		
(Opt. 3" x .109 + .125 x 24 ft.)		
Turning Radius: 23 ft. 8 in.		
Recommended Mast Size: 2 in.		
Maximum Element Length: 43 ft. 9 in.		
Assembled Weight:		
	2" Boom	110 lbs.
	3" Boom	138 lbs.
Wind Area (in sq. ft.): 11.6 ft. <sup>2</sup>		
Wind Load (EIA std 80 MPH): 280 lbs.		
Shipping:		
Weight (approx.): 117 lbs.		
	(3")	148 lbs.



### PRO-67-B

#### SWR Curves are for Code Setting II



**Saving you MONEY Factory Direct!**



Mosley... "A Better Antenna"

# PRO-67-C

You get 4 ACTIVE Elements on 10, 3 on 12, 3 on 15, 3 on 17, 3 on 20, 1 on 30 and 3 on 40!

Some of our competitor's have antennas that they say are for use on the WARC bands, but their antenna doesn't even have a resonating element for those frequencies? We still don't understand that one!

**Think of it:** One antenna with, 4 Elements on 10, 3 Elements on 12, 3 Elements on 15, 3 Elements on 17, 3 Elements on 20, 1 Element on 30 Meters and 3 Elements on 40 Meters. All with one Feed Line!

The New PRO-67-C has increased front to back and more gain on 40 meters.

The PRO-67-C is 12.1 square foot of SUPER antenna. Stop and think "One" compact antenna giving you these bands and performance in just one system! Not to mention one installation and one tower to service.

The New PRO-67-C will compete with the big boys on 40 meters. (If you've never used a beam on 40 your in for a "Tremendous" surprise using the PRO-67-C!)

The PRO-67-C is another of Mosley's 1st! It has almost the same gain as the PRO-67-B, however due to the addition of a 3rd forty meter reflector and the way the elements are configured on the PRO-67-C, we were able to increase the front to back ratio with very little affect on the higher frequencies gain.

The PRO-67-C uses the Mosley "Q" match. A single 50/52 ohm feed line bolts directly to the phasing lines. (No insertion losses! Your PL-259 or N connector costs you .5 to 1 db.)

The PRO-67-C's band width is a little narrower on 40, 20, 15 and 10 meters than the PRO-67-B. Instead of being 1.65 at the edges on 20 meters the "C" will have 1.9.

If you have a tower and a rotor which will handle 12.1 square foot, then you owe it to yourself to experience this tremendous antenna.

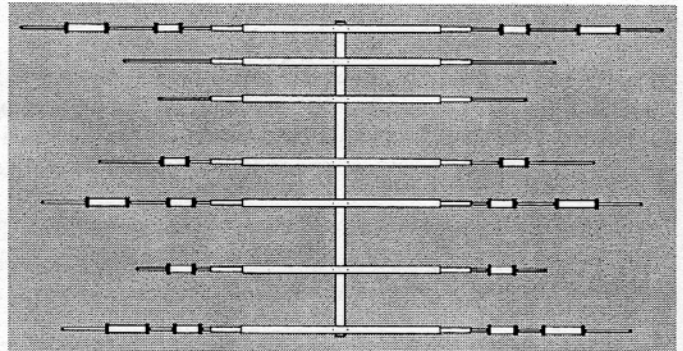
March 28, 2005 6:49 AM Subject: PRO-67-C in my QTH in Canary Island  
Dear Customer Service, I just completed the assembly of my new PRO 67 C boom 3". I followed your instructions and could mount it very easy on a tower on my home (see photo). The SWR in all band is correct. This is my first multi-band beam. I am very satisfied with the performance of this antenna. The rotor is located in the bottom of the tower (see "146.jpg"). My home is situated in Gran Canaria Island (Canary Island) near the coast of North-Africa. Thanks Mosley

## Big 40 Meter Signal in one Small Package!

**One of the Biggest Break Through's in the Antenna Industry!**

**New PRO Gives You 3 Elements on 40, Plus 30 Meters\*!**

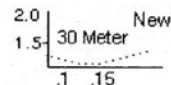
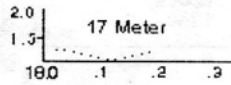
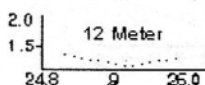
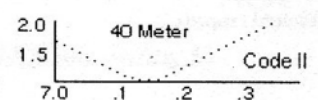
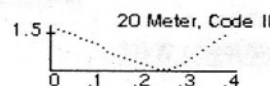
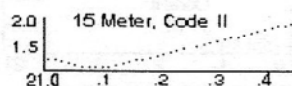
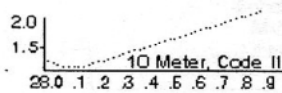
**10-12-15-17-20-30\* and 3 Elements on "40" Meter with a total of Only 7 Elements**



Specifications and Data		
Forward Gain:	10 Meter (4 Elements)	9.3 dbd.
	12 Meter (3 Elements)	8.3 dbd.
	15 Meter (3 Elements)	8.3 dbd.
	17 Meter (3 Elements)	8.3 dbd.
	20 Meter (3 Elements)	8.2 dbd.
*New	30 Meter* (1 Element)	0.0 dbd.
*New	40 Meter (3 Elements)	6.8 dbd.
Front-to-Back:		
*New	10 Meter	24 db.
	12 Meter	15 db.
	15 Meter	24 db.
	17 Meter	25 db.
*New	20 Meter	24 db.
*New	30 Meter*	00 db.
*New	40 Meter	24 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:	(Standard 3" x .223 x 24 ft.)	
Turning Radius:	23 ft.8 in.	
Recommended Mast Size:	2 in.	
Maximum Element Length:	43 ft.9 in.	
Assembled Weight:	133 lbs.	
Wind Surface Area ( in sq. ft.):	12.1 ft. <sup>2</sup>	
Wind Load (EIA standard 80 M.P.H.):	330 lbs.	
Shipping Weight (approx.):	153 lbs.	
Warranty:	2 Years	
Ships via	Truck	

### PRO-67-C

**SWR Curves are for Code Setting II**





# PRO-95

5 Bands!

10-12-15-17-20 Meter, 9 Element Beam

The Mosley "PRO-95" is the "BEST" 5 band antenna designed for Amateur radio anywhere. The PRO-95 uses all heavy duty drawn tubing and the best made stainless steel hardware. All tubing and hardware parts are specially made to make the PRO-95 an antenna that will last and perform for years.

Concerning our mast plate and other hardware parts, our competitors don't know what heavy duty means. We have seen some companies brag about their 1/4" mast plate. Our TA-33-JR uses a 1/4" plate. The PRO-95 uses a 3/8" 6061-T6 x 24" wide, 12" high for a mast plate. THAT's "HEAVY DUTY" in amateur use! (This plate is considered medium duty in our military and commercial use.)

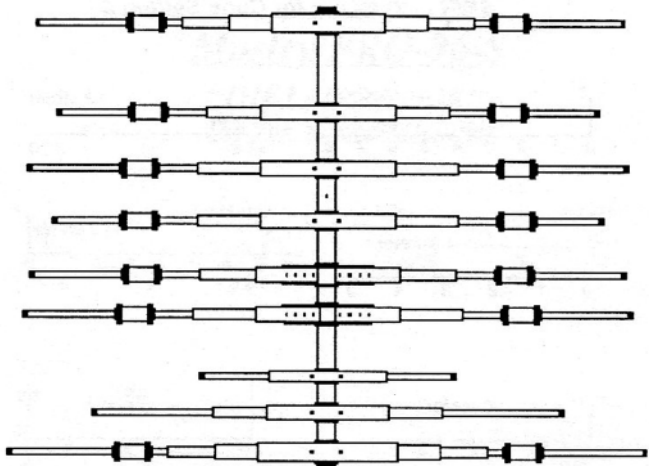
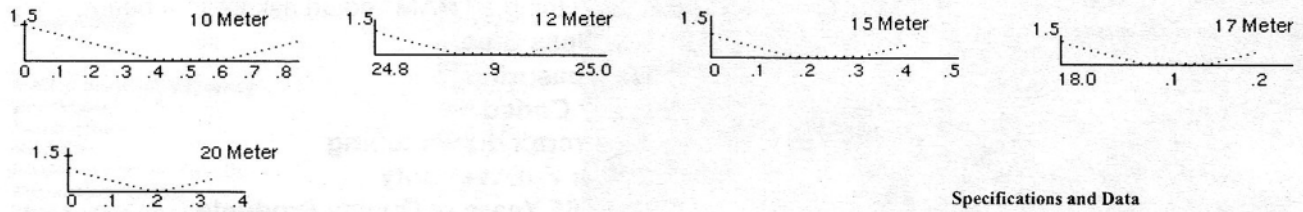
The antenna comes with its own independent strut support and Stainless Steel 3/16" aircraft control cable. This makes getting the antenna prepared for placement on the tower much easier, while not placing extra stress on the mast.

The PRO-95 gives you "6" elements on 10 meters, 4 elements on 12 meters, 4 elements on 15 meters, 4 elements on 17 meters, and 4 wide spaced elements on 20 meters.

If you're tired of maintaining several towers, rotors and antennas then the PRO-95 is for you. Now you can replace all these other systems and have "ONE" tower system which will give you Mono band performance. The PRO-95 has been "Hurricane" tested by Andrew and Hugo, and as with all the Mosley antennas, they came through with flying colors.

For extremely harsh environments you can obtain a "3" boom version of the PRO-95, but this is rarely needed. (Wind conditions at 150 M.P.H.).

Whether you're just starting to get into large antennas or you're wanting to consolidate your present system, the PRO-95 is for you!



Specifications and Data

Forward Gain:	10 Meter	10.5 dbd.
	12 Meter	8.9 dbd.
	15 Meter	9.1 dbd.
	17 Meter	9.1 dbd.
	20 Meter	9.5 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	19 db.
	15 Meter	20 db.
	17 Meter	19 db.
	20 Meter	20 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		36 ft.
Turning Radius:		22 ft. 8 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		27 ft. 6 in.
Assembled Weight:		145 lbs.
Wind Surface Area (in sq. ft.):		18 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		450 lbs.
Shipping Weight (approx.):		155 lbs.
Warranty:		2 Years

# PRO-96

PRO-96-2 (On a 2" Heavy Boom) OR PRO-96-3 (On a 3" Extra Heavy Boom)

10-12-15-17-20-40 Meter, 9 Element Beam

## Specifications and Data

### Forward Gain:

10 Meter, 6 elements	10.5 dbd.
12 Meter, 4 elements	8.9 dbd.
15 Meter, 4 elements	9.1 dbd.
17 Meter, 4 elements	9.1 dbd.
20 Meter, 4 elements	9.5 dbd.
40 Meter, 3 elements	7.8 dbd.

### Front-to-Back:

10 Meter	20 db.
12 Meter	19 db.
15 Meter	20 db.
17 Meter	19 db.
20 Meter	20 db.
40 Meter	18 db.

### Power Rating:

RTTY/Amtor	600 W
CW	2.5 KW
SSB	5.0 KW

### SWR at resonant:

10 thru 20	1.0/1 to 1.6
40 Meters	1.0/1 to 2.0

Boom Length: 36 ft.

Turning Radius: 25 ft.

Recommended Mast Size: 2-3 in. Hvy

Maximum Element Length: 43 ft. 9 in.

### Assembled Weight:

PRO-96-2:	165 lbs.
PRO-96-3:	185 lbs.

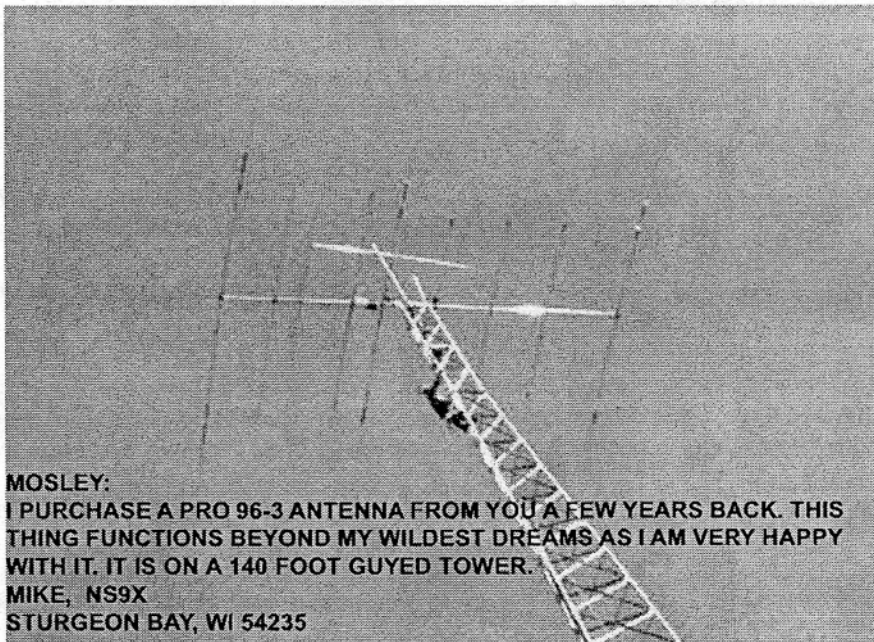
Wind Area (in sq. ft.): 22 ft.<sup>2</sup>

Wind Load (EIA 80 mph): 509 lbs.

Shipping Weight (approx.): 2"-180 lbs.

3"-200 lbs.

Warranty: 2 Years



MOSLEY:

I PURCHASE A PRO 96-3 ANTENNA FROM YOU A FEW YEARS BACK. THIS THING FUNCTIONS BEYOND MY WILDEST DREAMS AS I AM VERY HAPPY WITH IT. IT IS ON A 140 FOOT GUYED TOWER.

MIKE, NS9X

STURGEON BAY, WI 54235

The PRO-96 is everything a "HAM" could ask for in a beam.

- \* Stainless Steel
- \* No Measuring
- \* Color Coded
- \* All aircraft drawn tubing
- \* 2 Year Full Warranty
- \* Over 65 Years of Quality Products

If you want to have 6 Mono Banders all in "ONE" then look no more! The PRO-96 gives you wide spaced elements for 10 through 20 and a close spaced 40 meter 3 element all with a single feed line.

The PRO-96-2 is designed for "crank-ups" or "tilt over" towers.

The PRO-96-3 is recommended for fixed, high installations.

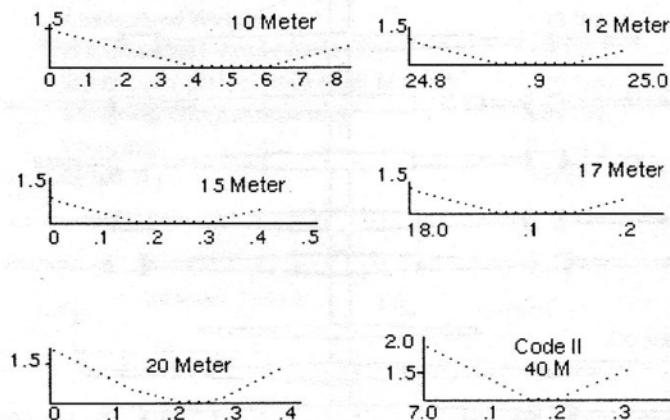
The PRO-96-2 is capable of 80 M.P.H. winds with no ice load and 65 M.P.H. with a 1/4" of radial ice.

The PRO-96-3 is capable of 100 M.P.H. with no ice load and 80 M.P.H. with a 1/4" of radial ice.

Performance is the same for either model.

If you want the very best, then choose Mosley and the PRO-96!

### SWR Curves are for Code Setting II



## 6 Bands 1 Feed Line!



***ANOTHER Mosley First! The PRO-96-S***

This is the ***LARGEST*** performing antenna for  
10, 12, 15, 17, 20, 30, and 40 meters

**1 FEED LINE!**

If you want to have 7 Mono Banders all in "ONE", then look no more! The PRO-96-S gives you wide spaced elements for 10, 12, 15, 17, 20, 30, and 40 meters, all with a single feed line!

The PRO-96-S is capable of taking a 100 M.P.H. with no radial ice, and 80 M.P.H. with a 1/4 inch of radial ice. This antenna eliminates trap less beams.

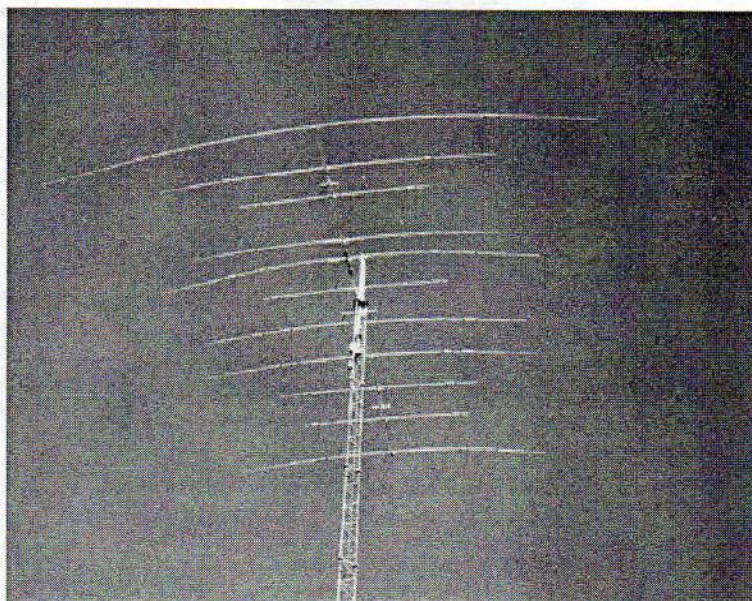
**If you want the best of the best, then choose the Mosley PRO-96-S!**

Specifications and Data

PRO-96-S

Forward Gain:		
10 Meter (8 Element)		13.4 dbd.
12 Meter (5 Element)		10.6 dbd.
15 Meter (5 Element)		10.5 dbd.
17 Meter (5 Element)		10.8 dbd.
20 Meter (5 Element)		10.3 dbd.
30 Meter (3 Element)		8.0 dbd.
40 Meter (4 Element)		8.8 dbd.
Front-to-Back:		
10 Meter		20 db.
12 Meter		15 db.
15 Meter		20 db.
17 Meter		20 db.
20 Meter		20 db.
30 Meter		20 db.
40 Meter		20 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
	RTTY	800 W
SWR at resonant frequency:		1.0/1 to 1.9
Boom Length:		48 ft.
Turning Radius:		32 ft. 8 in.
Mast Size:		2" hvy, 3" hvy
Maximum Element Length:		43 ft. 9 in.
Assembled Weight:		226 lbs.
Wind Surface Area (in sq. ft.):		27.9 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		440 lbs.
Shipping Weight (approx.):		240 lbs.
Warranty:		2 Years

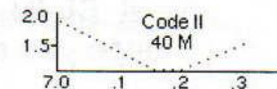
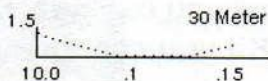
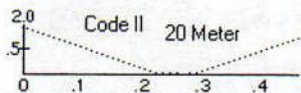
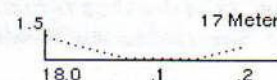
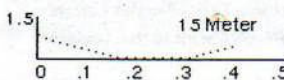
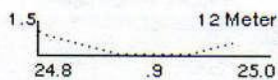
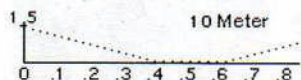
**Kills on 7 Bands!**



***Mosley PRO-96-S***

***"THE ELIMINATOR!"***

***The Top of the PRO-Series***





## Mosley... "A Better Antenna"

"CQ" "CQ" All Mosley TA-33, JR, MP, 53, CL, Owners . . .

### Conversion Kits

These easy add on kits will increase your enjoyment and value of your antenna. By adding more frequencies to your beam, you eliminate the clutter and mess outside your QTH. For a few dollars you can double the value of your system!

These conversions only take a few hours and will give you years of enjoyment, especially with the "Sun Spot" cycle being down.

Build Your Ultimate "Trap-Master" Beam Mosley Conversion Kits are perfect for the Ham with little money who plans to eventually build the ultimate antenna. Start from a simple one element Mosley "Trap-Master" 10, 15 & 20 meter dipole. The easy-to-follow Mosley Kits allow you continuous operation while building the ultimate antenna.

To see the performance on each conversion, look up the data sheet in the catalog for the antenna to which you wish to convert.

#### To convert a TA-31-M or TA-31-JR-N to a TA-32 Model

Order: "Conversion Kit TA-31/32-M".

Order: "Conversion Kit TA-31/32 JR-N".

The one element antenna (above) can easily be converted to a two element antenna by adding a reflector element, a boom, boom-to-mast plate and necessary hardware.

#### To convert a TA-32-M or TA-32-JR-N to a TA-33 Model

Order: "Conversion Kit TA-32/TA-33-M".

Order: "Conversion Kit TA-32/TA-33-JR-N".

The popular two element "Trap-Master" 10, 15 & 20 meter beam is easily converted to a more powerful World Famous three element beam. To make a three element antenna add a director element, boom, boom splice and necessary hardware.

#### To convert a TA-33 to a TA-34-M

Order: "TA-33 to 34-M Kit".

Up-grade your present TA-33-M to a TA-34-M. All parts are furnished to provide you a simple up-grade to even more outstanding performance. Increases gain, also provides a narrower pattern, more directive, on all three bands.

#### Conversion Kit To Add 30 or 40 to: MP-33, TA-Series 33 and 53, CL-33-M-WARC

Order: "TA-30-KR OR TA-40-KR Kit".

Owners of the TA-31, TA-32, TA-33, TA-34-M or XL, MP-33, TA-33-M WARC, CL-33-M-WARC & TA-53-M may have 30 or 40 meter conversion. Simply add the 30 or 40 meter conversion kit to the radiator

on the beam. All Junior antennas must be converted to a MP-33 before adding a KR conversion kit.

#### TA-40-KR

Maximum Element Length:	+10 ft.
Tuning Radius:	+4 ft.
Wind Surface Area (in sq. ft.):	+1.5 ft. <sup>2</sup>
Wind Load (EIA standard 80 MPH):	+30 lbs.
Assembled Weight (approx.):	+10 lbs.
Shipping Weight (approx.):	15 lbs.

#### High Power Conversion Kit...For TA-32-JR or TA-33-JR

Order: "MPK-3". The owners of a TA-33-JR may have higher power without buying an entirely new antenna. The addition of the MPK-3 Kit converts the TA-33-JR into essentially a new MP-33 Tig-Array (1000 watts CW, 2000 watts P.E.P. SSB.) (See Performance Data on the MP-33. Conversion to 30 or 40 meters is now possible.

#### 12 & 17 Meter Conversion Kit...For TA-33 or MP-33

Order: "SR WARC Kit". Work 12 and 17 meters in addition to 10, 15 & 20 meters by using a SR WARC rotatable dipole conversion kit on your TA-33 or MP-33. Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom "Q" Match and assembly instructions.

Power Rating: SR WARC Kit	
CW	1 KW
P.E.P. SSB.	2.5 KW
SWR at resonant frequency:	1.0/1 to 1.65/1
Wind Surface Area (in sq. ft.):	+1 ft. <sup>2</sup>
Wind Load (EIA standard 80 MPH):	+15 lbs.
Assembled Weight (approx.):	+9 lbs.
Shipping Weight (approx.):	25 lbs.

#### 12 & 17 Meter Conversion Kit ...For a TA-32-JR or TA-33-JR

Order: "JR WARC Kit". Work 12 and 17 meters in addition to 10, 15 & 20 meters by using a JR WARC rotatable dipole conversion kit on your TA-33-JR. Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom "Q" Match and assembly instructions.

Power Rating: JR WARC Kit	
CW	.5 KW
P.E.P. SSB.	1.2 KW
SWR at resonant frequency:	1.5/1 or better
Wind Surface Area (in sq. ft.):	+ .75 ft. <sup>2</sup>
Wind Load (EIA standard 80 MPH):	+12 lbs.
Assembled Weight (approx.):	+6 lbs.
Shipping Weight (approx.):	25 lbs.

**New! CL-33-WARC Kit . Now you can add 12, 17 Meters to your CL-33.  
Once you add the WARC Kit you can then also add 30 or 40 Meters.**

**12 & 17 Meter Conversion Kit...For TA-34-M or TA-34-XL**

Order: "34-XL WARC Kit" for TA-34-XL

Order: "34-M WARC Kit" for TA-34-M.

Work 12 and 17 meters in addition to 10, 15 & 20 meters by using a 34 WARC rotatable dipole conversion kit on your TA-34-XL. Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom "Q" Match and assembly instructions.

Power Rating: M/XL WARC Kit

CW	1.5 KW
P.E.P. SSB.	2.5 KW
SWR at resonant frequency:	1.0/1 to 1.65/1
Wind Surface Area (in sq. ft.):	+1 ft. <sup>2</sup>
Wind Load (EIA standard 80 MPH):	+15 lbs.
Assembled Weight (approx.):	+10 lbs.
Shipping Weight (approx.):	25 lbs.

**6 Meter Addition to TA-53-M**

Order 53 to 63 Kit for TA-53-M

Work 6 meters from your 53 without any additional coax and no band switching. Go anywhere between 6 and 20 meters automatically. Gives you a 3 element on 6 meters.

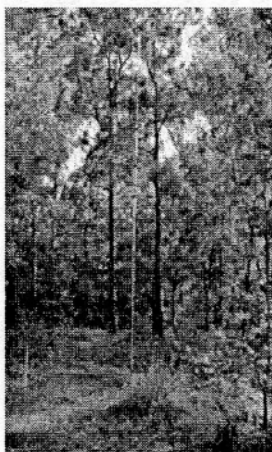
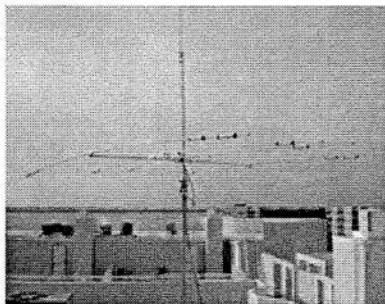
Power Rating on 6	1.0 KW
SWR at resonant frequency:	1.3 to 1
Wind Surface Area Increase	1.0 sq.ft.
Assembled Weight:	+5.5 lbs.
Shipping Weight:	Fed/Ex Min
Gain on 6 Meters	6.8 dbd
F/B	20 db

**TA-53-M to a TA-54-XL**

Adds another element and extends the boom to 21 feet. Gives you a true 4 Element on 10, 12, 15, 17, and 20 Meters (For Specs see TA-54-XL data sheet)

**TA-53-M to a TA-54-XL-6**

Adds another element and extends the boom to 21 feet. Gives you a true 4 Element on 10, 12, 15, 17, and 20 Meters. Also adds 3 Element on 6 Meters. (For Specs see TA-54-XL-6 data sheet)

**KVIP'S RV-6****N4EDQ'S TA-53-M****YOU ASK FOR IT!****NEW PRODUCT COMING!****160, 80, and 40 meter vertical.**

We are modifying this vertical from a military version. So far the results have been very, very good. It is a shortened vertical, however in "on air" tests, without radials it has had exceptional results. The vertical is going to be a basic design without any bells or whistles in order to keep the price way down.

We have worked a lot of DX on 160, 80 and 40 meters just running 120 watts. Rag Chews have been exceptional!

It has also survived a surprise wind, snow storm of 70 MPH + without any problems. We think you will enjoy this antenna, especially those of you that have very limited space.

If you have a tuner you can also take it onto other frequencies, however it is designed to run direct on 160, 80, and 40 meters with very little SWR! Total height is about 28 feet!

No Radials, and mounted in just one foot of soft dirt.

Keep an eye out for this antenna. More info to come on our NEWS page on the web or call.

We are still trying to get this antenna into production very soon.

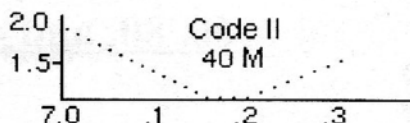
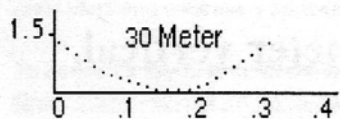
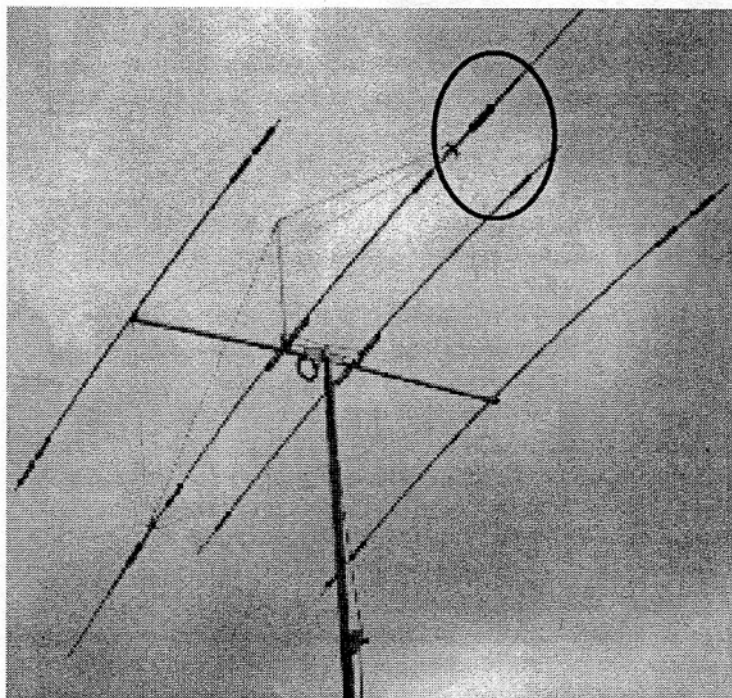
Enjoy the world of 40 Meters, by simply adding a TA-40-KR to your present Mosley.

**TA-40-KR**

Maximum Element Length Added: +10 ft.  
 Turning Radius: +4 ft.  
 Wind Surface Area (in sq. ft.): +1.5 ft.<sup>2</sup>  
 Wind Load (EIA standard 80 MPH): +30 lbs.  
 Assembled Weight: +10 lbs.  
 Shipping Weight: 12 lbs.

**TA-30-KR**

Maximum Element Length Added: +5 ft.  
 Turning Radius: +2 ft.  
 Wind Surface Area (in sq. ft.): +1.1 ft.<sup>2</sup>  
 Wind Load (EIA standard 80 MPH): +28 lbs.  
 Assembled Weight: +10 lbs.  
 Shipping Weight: 12 lbs.



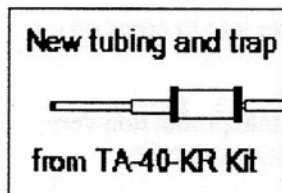
TA-53-M WITH TA-40-KR

**Mosley TA-40-KR or TA-30-KR**  
*Adds 40 or 30 Meters*

**"Out perform your present dipole or vertical!"**

The TA-40-KR will turn your present antenna into a "Rotatable Dipole" on 40 or 30 meters, giving you a "Much" better signal than you would expect. If you think your "Vee" or "Wire Dipole" or "Vertical" is doing just fine, think again. The TA-40-KR or TA-30-KR will give you better performance with the ability to rotate your signal. It truly is worth the time and effort.

Note: For Additional Antenna Conversions, see the Conversion section of this catalog.



TA-40-KR is Added to your present Driven Element



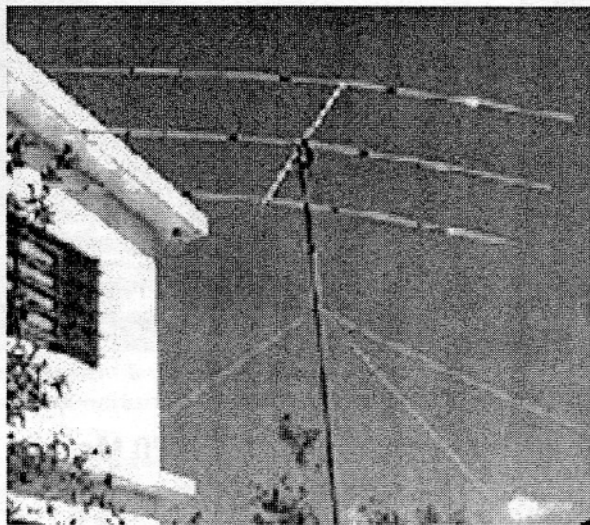
## MINI SERIES HF BEAMS

Here is *ANOTHER* new Mosley creation!

### The MINI-Series.

This is the SMALLEST true beam performing 3 element antenna for 10, 15, and 20 meters.

The NEW Mosley Mini-33-A is the answer to the antenna space problem, while giving you great performance and durability. The Mini-33-A only needs 8-1/2' of turning radius to give you a full 360 degrees of rotation!



For those who need to completely hide their antennas, the Mini-33-A will easily fit into the majority of attics or upper lofts.

The Mini-33-A is built in the Mosley tradition of quality, simplicity, and strength. The Mini-33-A uses aircraft seamless drawn tubing, stainless steel hardware, and comes with a 2 year warranty. Even though the antenna weighs 10 pounds, it is capable of taking a 1/4" of radial ice at 60 m.p.h, and 80 m.p.h. with no ice load. For portable operation, such as field day, fishing trips, etc., the Mini-33-A is excellent! The antenna is predrilled, color-coded, and assembles in just a few minutes. All of the Mosley antennas, it is made of seamless aircraft grade aluminum, and uses stainless steel hardware.

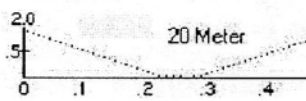
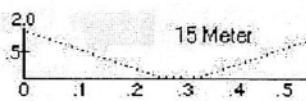
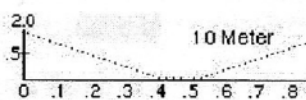
The performance of the Mini-33-A will truly surprise you! Whether you enjoy chasing DX, or rag chewing with your friends, the Mini-33-A will give you years of enjoyment!

The Mini-32-A is made the same as the Mini-33-A, except that it is a 2 element beam for 10, 15, 20 meters. The Mini-32-A has a little better F/B due to the wider spacing of the 2 elements. This also gives a little

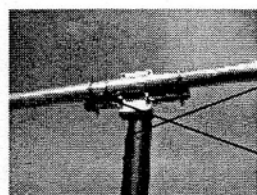
more gain to 15 meters. The Mini-32-A can be up graded to the Mini-33-A by adding the 3rd element at a later time.

Either the Mini-33-A, Mini-32-A, or the Mini-31-A will give you many enjoyable hours of operating with a better signal than a vertical, dipole or other wire configurations.

Mini-33-A (Specifications and Dimensions)		
Gain:	10M	6.1 dbd
	15M	4.2 dbd
	20M	3.5 dbd
Front to Back:		12db (avg.)
Power:	CW	500 w
	SSB	1,000 w
	RTTY	250 w
	AM/FM	250 w
Turning Radius:		8' 9"
Longest Element::		16.8'
Sq.Ft.:		2.5sq.ft.
Wind load:(@ 80 M.P.H.)		38 lbs.
Assembled Wt.:		10 lbs.
Mast Size:		1-1/2"
Coax: ( Mosley)		100 foot of RG-8/RG-213
Boom:		1.25" x .058" x 6'
Tubing: (Drawn)		6061T6/6063T832
Warranty:		2 Years
Shipping:		UPS

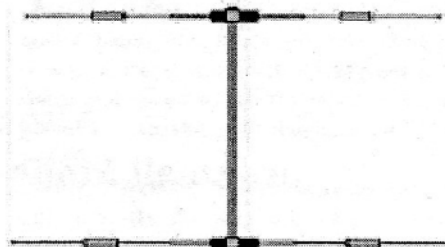


Mini-32-A (Specifications and Dimensions)		
Gain:	10M	5.1 dbd
	15M	4.5 dbd
	20M	3.3 dbd
Front to Back:		17db (avg.)
Power:	CW	500 w
	SSB	1,000 w
	RTTY	250 w
	AM/FM	250 w
Turning Radius:		8' 9"
Longest Element::		16.8'
Sq.Ft.:		2.5sq.ft.
Wind load:(@ 80 M.P.H.)		38 lbs.
Assembled Wt.:		8 lbs.
Mast Size:		1-1/2"
Coax: ( Mosley)		100 foot of RG-8/RG-213
Boom:		1.25" x .058" x 6'
Tubing: (Drawn)		6061T6/6063T832
Warranty:		2 Years
Shipping:		UPS



\*If a 2" mast is used we furnish a mast plate instead of the casted plate.

Aluminum Casted Boom to Mast Plate



Mosley... "A Better Antenna"

# Mosley . . . . Mini-33-A-WARC

For 10, 12, 15, 17, 20

### Specification and Performance Data

#### Forward Gain:

10 Meter	6.1 dbd.
12 Meter	0.0 dbd.
15 Meter	4.2 dbd.
17 Meter	0.0 dbd.
20 Meter	3.5 dbd.

#### Front-to-Back Ratio:

10 Meter	16 db.
12 Meter	0 db.
15 Meter	13 db.
17 Meter	0 db.
20 Meter	12 db

#### Power Rating:

CW	.5 KW
SSB	1.2 KW
RTTY	.25 KW
AM/FM	.25 KW

Matching System: "Q" match

#### Recommended coax:

(RG-8/RG-213) 50/52 ohm

SWR at resonant frequency: 1.0/1

Boom Length: 6 ft.

Turning Radius: 9'

Recommended Mast Size: 1-1/2" in.

Maximum Element Length: 18

Assembled Weight (approx.): 12.5 lbs.

Wind Surface Area (in sq. ft.): 3.7 ft.<sup>2</sup>

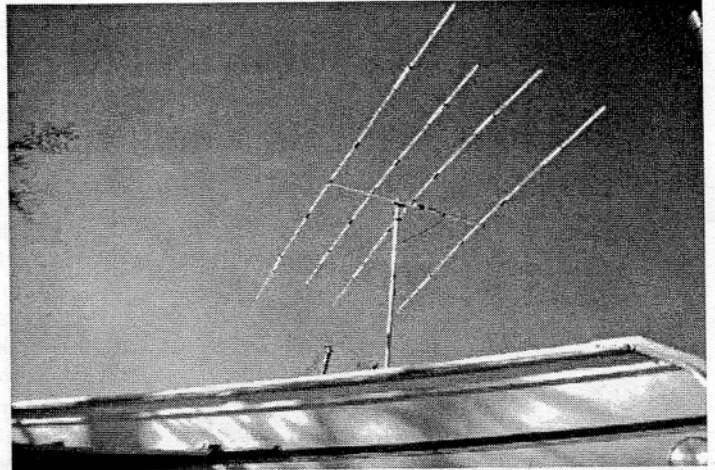
Wind Load

(EIA standard 80 M.P.H.): 49 lbs.

Shipping Weight (approx.): Oversize

Shipping: UPS

Warranty: 2 Years



\* 4 Physical Elements

\* 3 Active Elements on 10, 15, & 20 Meters

\* 1 Element on 12 & 17 Meters

\* Good All-Around True Beam Performance

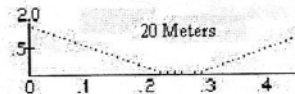
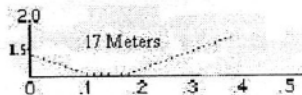
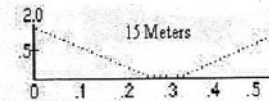
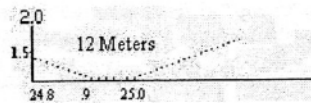
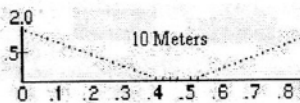
\* Ultra Light Weight

\* Easy to Assemble

\* No Measuring - Pre-Drilled - Color Coded

\* All Stainless Steel Hardware

\* 2 Year Warranty



Also available in The MINI Series  
are small Mono-Band models for 10, 11, and 15 Meters.

# Brag Letters

Here are just a few of the comments that are contained in hundreds of the letters we receive. It is impossible to put all of them in this limited space, however, if you would like the full letters or the names and numbers of these hams they would be happy to discuss their antenna with you. Thanks to all those who have written us, we enjoy hearing from you. All of us at Mosley work hard to do a good job, and it is satisfying to know when we do.

## CL-33-M

NC4SA, "Thanks and keep up the good work got 3 of your antennas and love them to death. Get S9+20/60 signal reports all the time on 10 meters from here in Western N.C.. Only running 100 watts from FT-920. I often get accused of running an amplifier my signal is so good. I bought this one used from a ham on the coast of N.C. and it was up in salt water environment for 20 years. Looks brand new and works that way to."

KA2AAY, "I found the antenna to load up beautifully with almost perfect SWR (1:1 at 14,300). I pumped 150 watts into the CL-33-M and got back excellent DX signal reports. I just had to take a few minutes from my busy day here at the office to write you this letter! I am an extremely satisfied customer. From documentation, construction, installation and performance, this antenna is tops!"

## Military

National Communications System, Federal Government, Chief, Technology and Standards Division, "We don't hesitate to recommend Mosley antenna's to other Federal agencies for their future needs."

## Mini's

KL7AK, "My first was a TA-33 (loved it) and now a MINI-32 (my land lord wanted a low-profile antenna). This makes my 3rd Mosley. You're great..."

K9DJQ, MINI-33, "I have been a ham for over 40 years. I have used everything from dipoles, verticals, to 5 element mono-banders at 85 feet. I have to say that I am impressed with the MINI-33!! With only 100 watts and the antenna at 35 feet I have been able to work some really good DX even in pile ups, i.e.. HZ1AB, Z31ET, YU, VK, VP5, HA, UY, EW, etc., etc., in only a couple days. Your customer service and satisfaction is abso-

lutely FIRST RATE!!! And so is your product. You have a loyal Mosley fan."

N6JRL, MINI-33-A, "I highly recommend this antenna for use when size and space requirements are critical. Thank you so much for a fine product."

N5EKC, MINI-33-A, "I just wanted to drop you a note and say how pleased I am with my MINI-33-A antenna. My first contacts were with western Siberia, England and Ireland and I only had the antenna up 15 feet while I was tuning it. It is a great product keep up the good work."

K5FDH, MINI-33-A, "I've just worked my 130th country using the MINI-33-A."

KK2J, MINI-32-A, "I am retired and will be hamming it up with my spare time. Thank you for a fine antenna and also for the accuracy of the claims in your ad, I was amazed."

## MP-33-N's

WA2HMM, "Just thought you would like to know that my HIGH regard for Mosley products is still there. Please keep up the great work. I look forward to at least another 32 years of trouble free operation. In a few words, I think Mosley products are made to last... PS. I want to thank Gary for all the help, and very nice attitude to a customer. Thanks!"

WH6I, "I entered the contest and had a great time. I obtained nearly 50% more contacts than I did last year, and about 10 more multipliers resulting in a score about 7,000 points greater than last year. Thanks and 73."

WB4CSK, "Just wanted you to know how much I've enjoyed and appreciated the reliability of the MP-33! Thanks to Mosley I am on top of the Honor Roll!"

KK5VL, "I recently purchased a MP-33-N-WARC. The antenna went together very easily and went up on the tower easily as well. It performs better than I expected. Both my solid state rigs like it. The SWR curves are as stated in your catalog. My Ameritron 811-H likes it also. My first contacts were SV1SL on 18 MHz and 9K2GS on 14 MHz. Both on first call. I like this antenna, it is built like a tank. Thank you for making such a fine product for the amateur market. I was worth the wait."

## PRO's

Hullo Gary, I made the first tests with my new PRO96S. My first impression is that the antenna really overperforms my old

## M.E.I.

PRO96, which was impressive itself. I was especially impressed in the 40m performances ! On 30m I don't miss my S302 (element full size) which, as you know, has been destroyed with the PRO96 due to a tower brake. Really a good job for a multiband antenna ! I can't imagine something better!

Best 73's from Dan, HB9CIP, PRO-96-S 2/08

V2IAS, PRO-96, "It was a pleasure doing business with you on the telephone. I received my PRO-96 air freight in good condition. I checked the SWR on all bands and found it was almost flat on all bands and on both ends of all bands at the C.W. end and is almost 1:1 at 7,250 MHz. I have contacted at least 2,000 stations. My report is excellent at all times. I must congratulate you and say Mosley is on the top."

K1ER, PRO-96, "Many of the DXers buying are doing so after an exchange of electronic mail and usually several phone calls. You might be interested in some of the quotes: 1.) Sub: ICE, ICE, ICE and more ICE John there is justified increased interest in Mosley antennas around here (Minn.). We had a horrible ice/wind storm on Friday...6 days after my new PRO-57-B went up in the air. I spent Friday evening watching the thing whip around atop my tower, wondering when it was coming down, and thinking of all the work and \$\$\$ that would be going down the drain. Well, it didn't come down! It is bowed under the weight of 1/2 to 3/4 inches of ice but doesn't appear to have been damaged by 50+ MPH winds that followed the ice storm... There were many antennas lost around here since Friday and it seems that Mosley has done everything right in their construction. I know another ham with a Mosley CL-36 that also has survived with no damage..." 2.) "(Same ice storm) If anybody wants to know how other brands will stand up to 3/4" radial ice and 50 MPH winds, simply put, they're an ugly mess..." 3.) "My PRO-57-B at 92 feet survived...it was -5F this AM... not much ice melting." 4.) Mosley seems to be the antenna of choice around here after the ice storm." 5.) PRO-96 Colorado, "I came out at sunrise this morning to shovel 6 inches of very wet snow to feed the birds. There was 2 to 3 inches of the same heavy snow on top of all the elements, boom, etc., of the PRO-96. So I just turned it back and forth 90 degrees a few times and shook off all the snow. I am still pleased with the performance on all six bands..."

K9FN, PRO-96, "I continue to love the antenna...By the way this antenna really draws a crowd when people hear what I'm



## Mosley..."A Better Antenna"

using. Comments range from "Is it really that big?" to, "Boy I wish I had one." My own feeling is that for the first time in my life I have found a multiband antenna worthy of my tower and my DX aspirations."

K4CJO, PRO-95, "In summary the PRO-95 has been a very strong performer and has met my expectations for a single antenna for 5 bands with mono band performance."

KC6NJK, PRO-95, "Thank you for all the good work you did on the PRO-95 antenna. It lives up to all my expectations. I want to especially thank you for your patience when I called and asked for technical information and directions. Thanks again."

WK9Z, PRO-67-B "I have a 3 vertical switchable array on 40, the 67-B out performances the array by 3-5 "S" units on the long haul stuff and about 2 "s" units into Europe. All in all, it's a fine product."

KM4P-W9FW-TU4EI-TU5EV, PRO-67-B "I had the pleasure of working over 270 countries in a 5 month period from West Africa... The reports were phenomenal. Since my return to the U.S. I have purchased a PRO-96."

WG0G, PRO-67-B, "I didn't think you could make a better antenna than my CL-36, but you sure did. The antenna has performed better than I thought it could...and it takes up no more space than my old tri-bander. Thanks for your continued manufacturing of quality, top performing antennas."

KQ4RS, PRO-67-B, "The assembly like all Mosleys, is simple. The SWR curves are exactly where your manual says they should be. As for the performance, I worked 3Y0PI on 10, 12, 15, 17, 20, and 40, both phone and cw. I have a well known 2 element full size 40 meter beam on another tower and the PRO-67-B out performed it! Thank all your people for a well made, efficient antenna.."

N5OON, PRO-67-B, "I want to thank your company, the PRO-67-B antenna is wonderful! The wait for delivery was worth it...I am going to have many years of enjoyment from it.."

N4PYD, PRO-67-B, "FABULOUS! Thanks again for building an exceptional product, keep up the good work."

W9RB, "My PRO-67-C does a good job on all bands from 40 to 10."

HB9JAW, PRO-67-B, "I am very happy to own a Mosley PRO-67-B. PS: HB9CNV and HB9JBL would never give away their PRO-67-B's, as well!"

HB9CIP, "My PRO-67-C is working very well! Compared with a vertical system with 60 buried radials on 40 meters the 67-C is 2 "S" units better. Great results! What a great antenna the PRO-67-C. We are ordering soon for our contest station another one soon."

N3XI, PRO-57-B "Bottom line is that I am extremely please with the performance of my PRO-57-B."

KB6JOX, PRO-57-B "Great job to everyone at Mosley! Thank you for my PRO-57-B."

### TA-33-JR-N

N6WHV, TA-33-JR-N-WARC, "Wanted to let you know that the addition of a WARC kit to my TA-33-Jr. was a great success. The best part was putting the antenna on the air. Ten, fifteen, and twenty meters worked just as good as they always did, but I wasn't prepared for the improvement I found on 12 and 17 meters. I believe the TA-33-JR-N-WARC is today's best value in a 5 band beam."

KK7RP, TA-33-JR-N, "WOW!, what a great antenna. I had a XXX, it was a nightmare to keep tuned and never did work on 20 meters. My 33-Jr. works great even at 30 feet."

AA0CO, TA-33-JR, "Just thought I'd drop you a line and tell you how pleased I am with my JR. Also, everyone I talked to was very, very nice and knowledgeable. Thanks again."

NS7J, TA-33-JR-N-WARC, Mosley, "A Better Antenna", I agree with that!"

### TA-33-M

AA8IN, TA-33-M-WARC with TA-40-KR, "I don't know the proper adjectives to use to express how pleased I am and how terrific your antenna performs. I purchased the TA-33-M-WARC with the TA-40-KR attachment in June of 2000 and was able to get my new addition up by the end of summer. It out performs my old tri-band beam (from a big name manufacturer) hands down. I am breaking through pile ups running barefoot (100w) when I always had to fire up the amp with the old antenna. I am amazed at how well the antenna performs on the WARC bands even though your specifications say there is no forward gain. You might want to check your figures again, because it sure per-

forms more like a beam than a dipole. Last winter gave me a much better appreciation for the quality and strength of Mosley products. During one of the first snow storms we were blasted with a storm that had winds clocked in excess of 80 miles per hour. Not only did the antenna withstand the winds, it even survived the chimney cap from my stove ricocheting off of it. It was a long wait, but I know I have an antenna that gives me an advantage that I didn't have before and it is built to last for many years to come. Thanks for quality products and service."

KC6CEM, TA-32-M, "My QTH is plagued with problems where power lines, trees, metal patio covers and other similar conditions cause diminished antenna performance. In spite of these obstacles, the Mosley's performance has been truly astonishing. It consistently outperforms my 3 element mono bander on 10 meters and a 5 band vertical on 10-15-20 meters. The antenna is working so well I hardly have time to keep up with my QSLing. (P.S. Just had a wind storm with 60 MPH gusts that destroyed my 36 foot push up mast that the TA-32 was mounted on. To my surprise the Mosley survived the storm without a dent!")"

VU2PCD, TA-33-M, "I want to thank all the nice people at Mosley for the excellent support and personal attention that I got half way around the world. It was a pleasure to work with you."

WB2HYO, TA-33-M, "I still have my TA-33 that I bought in 1964. It has survived 3 installations and at my current address its been operating for the past 21 years. So altogether, my beam is 36 years old. I have only cleaned the traps ever so often and that's it for maintenance. I'd like to know if this is some kind of record of use for your antennas. It still works great!" (No this antenna is not the oldest in use without needing any parts, there is one from 1954 still going without being touched.)

OA8B, WD4CRB, TA-33-M, "I am a retired missionary having served in the Amazon jungle region of Peru, SA for 28 years. I studied electronics at Moody Bible Institute in Chicago, IL and graduated in 1956. I purchased a Mosley TA-33 in 1958 and used it for a year in Chicago. In 1959 we went to Peru to set up a mis-

sionary radio network for the missionaries working in Indian villages along the Ucayali River. I took my TA-33 with me and set up my ham radio station. My ham calls were OA3J and OA8B. We were in the hot, humid jungle for 28 years and my TA-33 never failed me. Thank you for producing such a durable and well engineered product."

V73EX, TA-33-M-WARC, "Three years ago I purchased your TA-33-M-WARC. My QTH is Majuro, Marshall Islands. The working conditions are hard on metal of any sort. Heavy salt spray covers all exposed surfaces and gusting winds are commonplace.

Your antenna has performed to the highest standards and my signal reports are excellent. As you have already guessed, I am very pleased with my decision to purchase your unit. Thank you for adding to the pleasure of Ham Radio."

#### TA-34-XL-WARC

W5DJ, TA-34-XL-WARC, "Overall, I am well pleased with this antenna and can highly recommend it to other amateurs.

KD1OF, TA-34-XL, "It's a pleasure to make contacts with such strength and clarity..Your antenna was truly worth the wait. Keep up your high standard of quality."

A22MN-J52US-K8MN, TA-34-XL, "After 2 years of the hot, salty Freetown environment, the antenna looks nearly new and has been in service in Botswana for over a year. A brand XXX antenna up for the same time looked and acted like it was up for 20 years. The performance of the Mosley TA-34-XL is great. "The Old Man", Carl Mosley, would have been proud."

#### TA-53-M

N3RW, TA-53-M, "I am extremely pleased with my TA-53-M. I've been licenced for 42 years; I've used an assortment of home brew yagis, wires and verticals during that time. The TA-53-M is only the second commercial HF yagi that I've had. Congratulations on a job well done."

K8RGE, TA-53-M, "I want to let you folks know about how very please

I am with my beam...In addition, I have had a number of QSO's with other owners who share my positive experiences and opinions of the antenna. My first yagi was a TA-33 back in 1959, and it appears they just keep getting better."

W2BXA, TA-53-M, "I am not a new ham since I have been active on the air since 1929, and I have had just any kind of antenna over these many years...I am not one to hesitate to tell a manufacturer what I think of his product and that is the reason for this letter. At the very first check I was very pleased to see the SWR low on all the bands no matter what frequency was selected. All my life I have been accused of being a DX hound so went to work to check the performance of this new antenna, and must say I am pleased with its performance in every respect. For some reason the station I call invariably returns to me even in good size pile ups. After 4 months of trials, I am most pleased."

VE6JAC, TA-53-M, "I am pleased with the construction and performance. The SWR is just as your catalog stated."

N9ROR, TA-53-M, "Best investment I made in ham radio."

KR4BQ, TA-53-M, "Thanks for making such a well engineered, high quality, effective antenna."

KE6HD, TA-53-M, "Wanted to drop you a note commending you on a great antenna. It is also nice to work with a company with accessible and competent customer support."

WA4SZD, TA-53-M, "I have been in ham radio since the mid 70's, and have owned several brands of antennas. About 10 years ago I purchased a TA-33 on the recommendation of my father-in-law, a ham for 50 years, his comment was "You can't go wrong with a Mosley." He was right. In February I upgraded to a TA-53-M along with a TA-40-KR for forty meters. Needless to say the performance of the antenna is short of miraculous. I consistently receive excellent signal reports, even when the band is in poor condition. Shortly after having the beam we had hurricane Andrew. Winds were in excess of 100 to 115 MPH for over two hours. When the storm was over I expected to find my antenna a few blocks away. But I looked up at the tower and there it was completely intact, not even an element bent! I cannot say that for other hams in the area that didn't have a Mosley. It is gratifying to find an American company, using American labor and raw mate-

rials to manufacture a superior product. Please extend my congratulations to everyone at Mosley!"

Thanks to all those who have written us, we appreciate your kind words and support. We wish we could show everyone's letter that was sent to us. We have received hundreds and there just isn't enough room. All of us at Mosley have enjoyed reading them all. They mean a lot to us! If you have a Mosley story, send us a letter we would like to hear from you.

#### TA-53-To TA-63-N

-----Original Message-----From: rncapts [mailto:rncapts@commspeed.net] Sent: Wednesday, January 10, 2007 3:29 PM To: mosley@mosley-electronics.com Subject: 6 Meter Add on to TA53M Good Day! Just completed the 6M add on to my TA53M last week. A very quick and easy mod! Got in on the 6M band opening on Jan 8th,9th and 10th. Worked Fla,Ga,La,Tx,Ok,and even an XE2 with GREAT signal reports! Thanks for a GREAT addition to your antenna offerings! Rich Strick W7RC Prescott,Az.

#### PRO-67-C

-----Original Message-----From: Tommy Jeter [mailto:wtj305@hotmail.com] Sent: Monday, December 25, 2006 2:45 PM To: mosley@mosley-electronics.com Cc: iwh5281@bellsouth.net Subject: PRO 67C3 Gary.. Well after three years of getting things together everything came together last week and the PRO-67C3 I purchased from you is in the air. I just wanted to send you these pictures and Thank You for your advice and support when we called in with a few questions. I look forward to many years of service out of the PRO-67C3. My first contact was in Honduras using less than 50 watts, not bad when at the time I didn't know the antenna was pointed away from him.. Oh well, still learning. Please allow me to say a special Thank You to AF4WA who told me about Mosley and who also was instrumental in it's purchase and putting it together. Thanks Again Gary for a Quality Product and Professional Support on the phone. 73's KC4UIW Tommy Jeter LaGrange, GA





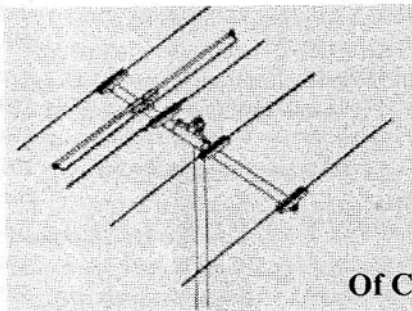
"MY-Series" Light Weight, Low Wind Load, But Strong, VHF/UHF Yagis

Specifications & Performance Data

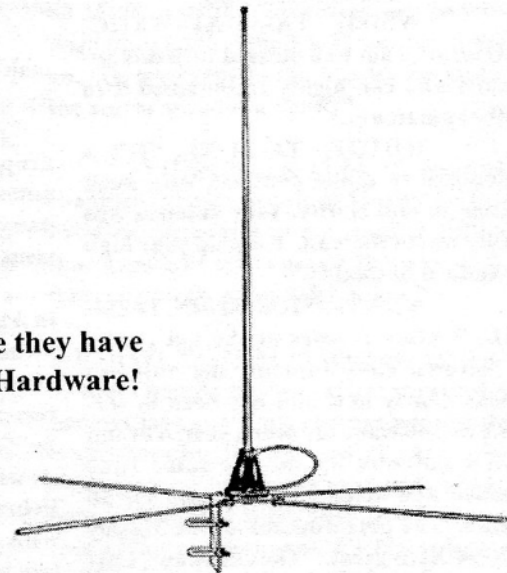
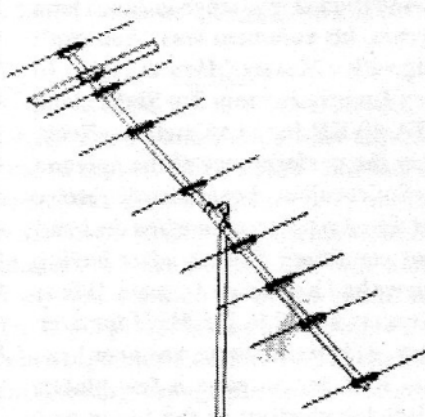
Model:	MY-144-5	MY-144-9	MY-220-9	MY-430-14
Frequency in MHz	144 to 148	144 to 148	220 to 225	430 to 450
Power Rating:				
AM/CW/FM	1 KW	1 KW	1KW	1KW
P.E.P. SSB.	2 KW	2 KW	2 KW	2 KW
Forward Gain:				
reference dipole	10 db.	12 db.	12 db.	16.5 db.
isotropic source	12 db.	14 db.	14 db.	18.5 db.
Front-to-Back Ratio:	20 db.	20 db.	20 db.	20 db.
Feed Point Impedance:	52 ohms	52 ohms	52 ohms	52 ohms
SWR:	1.0/1	1.0/1	1.0/1	1.0/1
Matching System:	Folded dipole	Folded dipole	Folded dipole	Folded dipole
Number of Elements:	5	9	9	14
Maximum Element Lgt	3 ft. 5 in.	3 ft. 5 in..	27 in.	15 in.
Boom Length:	4 ft. 6 in.	9 ft.	8 ft. 2 in.	6 ft. 10 in.
Mast Size:	1" to 1 1/4"	1" to 1 1/4"	1" to 1 1/4"	1" to 1 1/4"
Turning Radius:	2 ft. 10 in.	4 ft. 10 in.	4 ft. 2 in.	3 ft. 10 in.
Wind Area (in sq. ft.):	0.4 ft. <sup>2</sup>	0.8 ft. <sup>2</sup>	0.7 ft. <sup>2</sup>	.66 ft. <sup>2</sup>
Wind Load				
(EIA 80 MPH):	6.6 lbs.	10.5 lbs.	7.0 lbs.	7.0 lbs.
Assembled Weight:	2 lbs.	3.5 lbs.	3.5 lbs.	3.5 lbs.
Shipping Weight:		Oversize 35 Pound Rate Minimum UPS charge		
Warranty:	2 Years	2 Years	2 Years	2 Years

3/4, 1-1/4, 2 Meter Beams

Incorporated in the Mosley MY-144-5, MY-144-9 element Yagis are the same high standard of quality construction established by Mosley for over 60 years of manufacturing amateur antennas. Rugged yet light-weight, these beams have 1/8 inch O.D. solid aluminum elements. The unique element-to-boom insulator permits easy adjustment in element length for tuning. Element spacing and length have been carefully engineered to give high forward gain, good front-to-back ratio and broad frequency response. The matching system, incorporated in the radiator element is a 200 ohm folded dipole with a 4 to 1 coaxial balun for maximum efficient transfer of RF energy from cable to beam. Mounting hardware fits masts up to 1-1/4 in. O.D. Antenna comes complete with illustrated instructions and color coded parts with pre-drilled holes for ease of assembly.



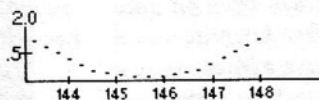
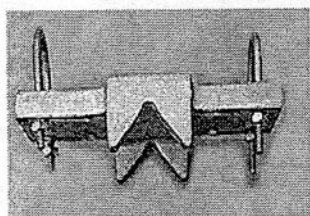
Of Course they have Stainless Hardware!



DI-Series of 5/8 Wave Ground Plane

DI-2 for 2 Meters, DI-6 for 6 Meters  
(For HF DI-10 for 10 Meters)

3-1/4 db more gain than a standard 1/4 wave ground plane. Light weight, rugged, with SO-239 connector at base. Mounts with 2 Stainless U-Bolts.

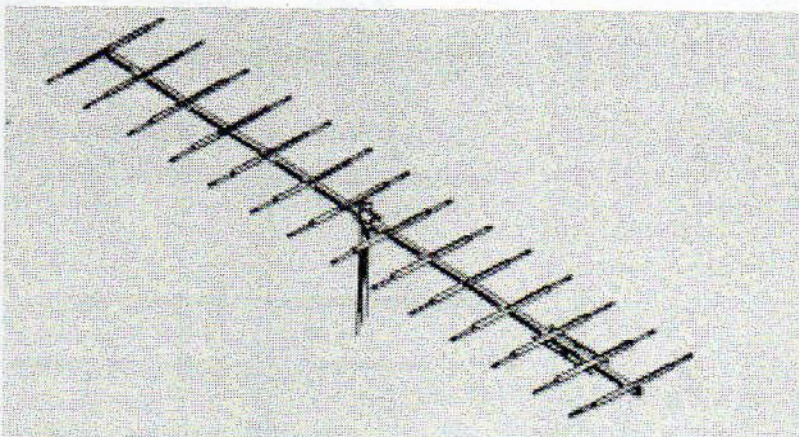


Turn these with only a heavy duty TV rotor!



## "Power-Master" Heavy Duty VHF Beam

Mosley "Power-Master" VHF antennas combine superlative performance with the most rugged construction to be found in any VHF antenna for amateur use. Element sections are 5/8" O.D. and 1/2" O.D. aircraft tubing, establishing an extremely low ratio of length-to-diameter. All metal hardware is stainless steel or other rust-proof material. The element-to-boom clamping blocks are of high-impact polystyrene and are self aligning. A unique matching stub permits antenna to be fed direct with 52 ohm coax. The AM-14-2 gives you a very low VSWR over the entire band, while maintaining a high "Q".



### Mosley AM-14-2 2 Meter, 14 Elements

#### Specifications & Performance Data

Forward Gain:	15.9 db.
Front-to-Back Ratio:	25 db.
Side Rejection:	45 db
SWR at resonance:	1.1/1
Maximum Element Length:	3 ft. 5 in.
Boom Length:	12 ft.
Turning Radius:	6 ft. 5 in.
Wind Load (EIA standard 80 MPH):	1.6 sq. ft. 37 lbs.
Assembled Weight:	16.5 lbs.
Warranty:	2 Years

## VHF Dual Band "Six" and "Two" Special - AM-2N6

#### Specification and Performance Data AM-2N6

Forward Gain:	6 Meter	9.1 dbd.
	2 Meter	10.1 dbd.
Front-to-Back:	6 Meter	20 db.
	2 Meter	20 db.
Power Rating:	CW	1.5 KW
	SSB	3.0 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		14 ft.
Turning Radius:		8' 9"
Mast Size:		1-1/2"
Maximum Element Length:		9 ft. 8"
Assembled Weight (approx.):		21 lbs.
Wind Surface Area (in sq. ft.):		2.5 ft. <sup>2</sup>
Wind Load (EIA standard 80 M.P.H.):		50 lbs.
Shipping Weight (approx.):		30 lbs.
Warranty:		2 Years

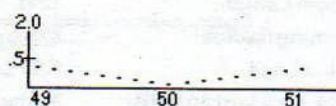
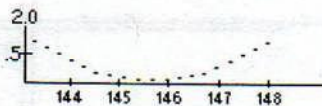
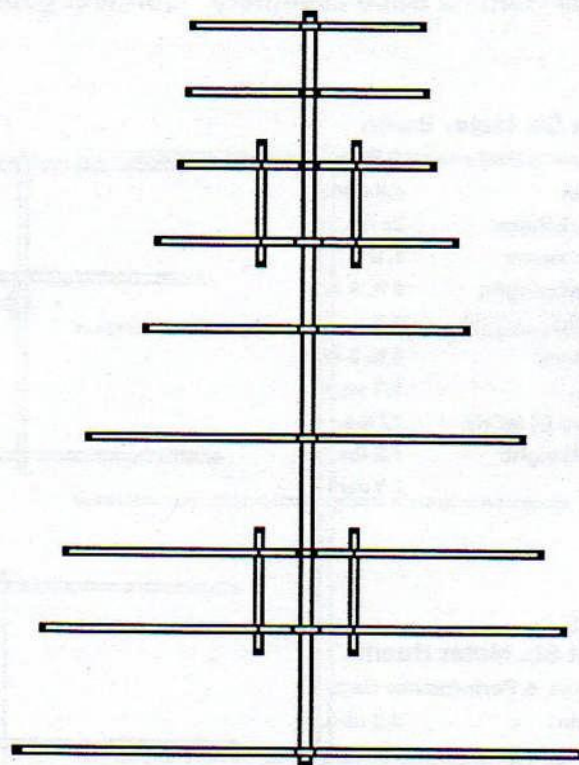
**4 Elements on Six Meters**  
**5 Elements on Two Meters**

This antenna is also out of our commercial line and is built for extra heavy usage.

The elements are made out of aircraft tubing and are secured to the boom with 1/4-20 stainless U Bolts.

The antenna uses two separate feed lines which allows dual bands receiving and transmitting. This antenna is made to last a very long time.

Performance of the AM-2N6 is excellent.



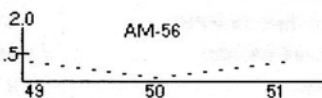
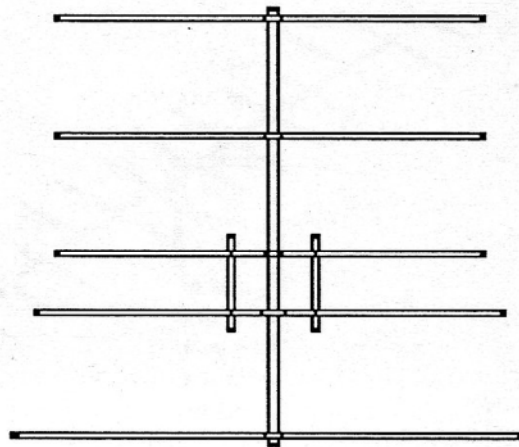


## AM-56 "Six" Meter Beam 5 Elements

The AM-56 is an extra rugged 6 meter beam. The antenna is made out of aircraft grade drawn tubing, which is pre drilled and color coded. All the hardware is stainless steel. The antenna will handle all the power you can put into it. It is capable of 100+ mph winds and just about any ice or sand conditions. The AM-56 will give you a "life time" of superb use.

### Specifications & Performance Data

Forward Gain:	10.8 db.
Front-to-Back Ratio:	20 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	12 ft.
Turning Radius:	6 ft. 5 in.
Wind Load	2.1 sq. ft.
(EIA standard 80 MPH):	32 lbs.
Assembled Weight:	14.5 lbs.
Warranty:	2 Years



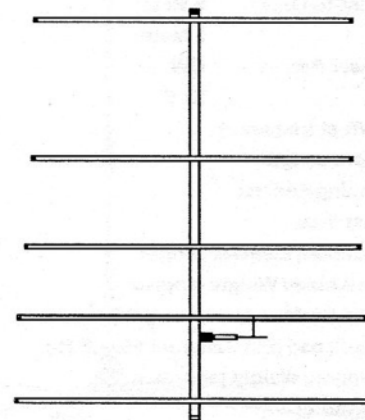
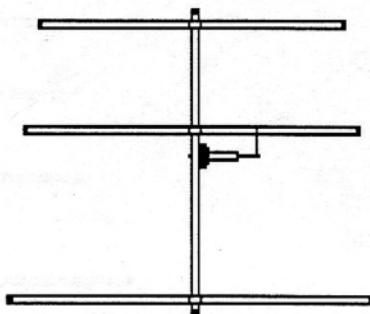
Light Weight, Excellent Performance, Mosley Quality in A-500-S series of "Six Meter" Beams. Uses our Special Gamma Base assembly. Connect your cable directly to a SO-239 or an optional N connector.

### A-503-S

#### 3 Element Six Meter Beam

##### Specifications & Performance Data

Forward Gain:	6.8 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	6 ft.
Turning Radius:	6 ft. 5 in.
Wind Load	1.3 sq. ft.
(EIA standard 80 MPH):	22 lbs.
Assembled Weight:	7.5 lbs.
Warranty:	2 Years

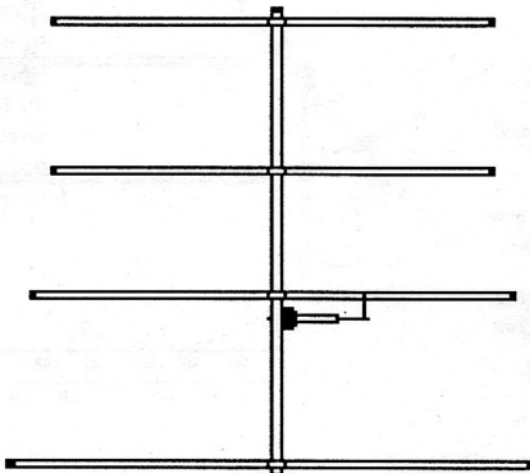


### A-504-L-S

#### 4 Element Six Meter Beam

##### Specifications & Performance Data

Forward Gain:	8.3 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	12 ft.
Turning Radius:	7 ft. 5 in.
Wind Load	1.65 sq. ft.
(EIA standard 80 MPH):	31 lbs.
Assembled Weight:	12.5 lbs.
Warranty:	2 Years



### A-505-S

#### 5 Element Six Meter Beam

##### Specifications & Performance Data

Forward Gain:	9.0 db.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	12 ft.
Turning Radius:	7 ft. 5 in.
Wind Load	1.45 sq. ft.
(EIA standard 80 MPH):	35 lbs.
Assembled Weight:	14.5 lbs.
Warranty:	2 Years

**A-506-M-S**

**6 Element Six Meter Beam**

**Specifications & Performance Data**

Forward Gain:	9.3 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 7 in.
Boom Length:	14.0 ft.
Turning Radius:	7 ft. 6 in.
Wind Load	1.35 sq. ft.
(EIA standard 80 MPH):	30.5 lbs.
Assembled Weight:	17.5 lbs.
Warranty:	2 Years

**A-506-L-S**

**6 Element Six Meter Beam**

**Specifications & Performance Data**

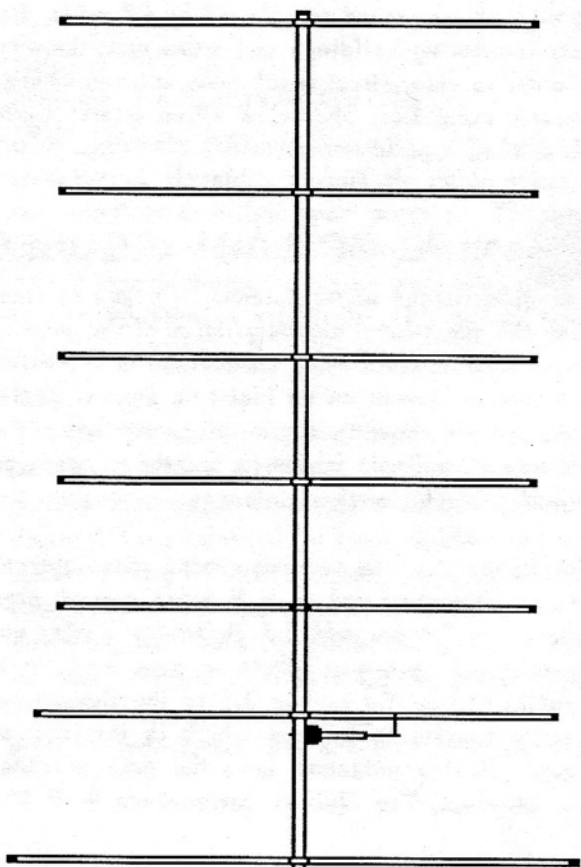
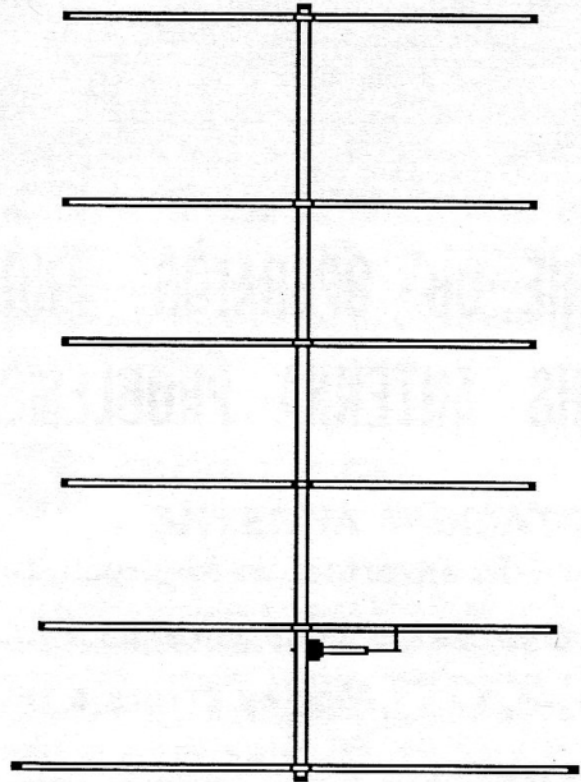
Forward Gain:	11.4 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 7 in.
Boom Length:	24.0 ft.
Turning Radius:	12 ft. 10 in.
Wind Load	2.15 sq. ft.
(EIA standard 80 MPH):	49.5 lbs.
Assembled Weight:	21.5 lbs.
Warranty:	2 Years

**A-507-L-S**

**7 Element Six Meter Beam**

**Specifications & Performance Data**

Forward Gain:	12.1 db.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 10 in.
Boom Length:	28.0 ft.
Turning Radius:	18 ft. 6 in.
Wind Load	2.85 sq. ft.
(EIA standard 80 MPH):	49.5 lbs.
Assembled Weight:	29.5 lbs.
Warranty:	2 Years







# THE CB OPERATOR AND HIS ANTENNA PROBLEMS

In an effort to help you, the CB'er solve your antenna problems, . . . Mosley offers a few pointers.

One possible reason for an antenna operating improperly may be due to the antenna location. The manufacturer designs the antenna to be operated as high above ground as allowed by CB rules, free from interfering buildings and trees etc., therefore, in order to obtain best results the antenna must be erected away from obstacles which interfere with the antenna's performance.

## MEANING OF GAIN FIGURES

The gain figures of an antenna help you to determine the operational characteristics of the antenna. Some manufacturers make comparison to a theoretical antenna known as an isotropic source. Mosley uses a more accurate source of comparison . . . the reference dipole for beams and the quarter wave ground plane for vertical antennas.

Our Devant "1" (a vertical ground plane antenna) has a gain compared to a 1/4 wave ground plane antenna of 3.4 db. Add 2.5 db. to any Mosley gain figures and then you obtain a gain over an isotropic source. By adding 2.5 to the Devant gain figures results in 5.9 db. which is the isotropic figure. Mosley antennas have the gain necessary for efficient, Top Quality performance.

## SELECTION OF AN ANTENNA

The choice of an antenna is All-Important! A CB'er should select an antenna according to his own specific antenna requirements. Most popular basic antennas are the beam, the ground plane, and mobile antennas.

## THE BEAM ANTENNA

By adding additional elements to work in conjunction with a dipole antenna, a focusing or directing effect will be obtained. This gives the same results as if you had increased the transmitter's power output. Typical antennas are the AD-311, A-311-S, A-411-S and A-511-S. Beam antennas mounted vertically work ideally for point-to-point base station to mobile performance. Beams mounted horizontally are recommended for outstanding base station to base unit performance. Beams may be effectively stacked to result in even additional gain. Mosley stacking kits are available for this purpose.

## THE VERTICAL GROUND PLANE ANTENNA

One method of directing or increasing the gain or the radiating capabilities of a ground plane antenna is to increase the length of the radiator. This advantage is incorporated in the Mosley Devant "1" antenna system. In this instance the effect does not take place in one direction, but in all directions around the antenna. The vertical ground plane is a typical multi-purpose base station antenna. The Mosley Devant "1" is a good example of a vertical ground plane antenna.

## MOBILE ANTENNAS

For mobile use, antennas such as the Devant '2', Deputy & Demon are ideal. These antennas for Citizens Band are reliable and inexpensive. Lightweight vertically polarized mobile antennas operate





## Mosley...”A Better Antenna”

### TOP QUALITY ENGINEERING AND RUGGED CONSTRUCTION

Enjoy the Citizens Band via Mosley antennas. Designed by engineers with over 120 years of practical engineering experience, and backed by 70 years of manufacturing skill.

At the factory, trained, skilled personnel produce a full line of antennas. Coil form used in our beam are molded directly on the element sections. The Mosley “Quality of Antenna Excellence” has become a standard to the industry. Every Mosley installation is designed using only the finest quality materials, backed by over 70 years of antenna design and skills.

Factory personnel take superior rustproof aluminum tubing consisting of the finest and most versatile aluminum alloy possible for antenna construction and cut it to size. After the aluminum lengths are cut, the tubing goes down a conveyor belt for drilling on a semiautomatic multiple jig assuring perfect alignment. Tubing is color coded. This color coding provides ease for assembly. Swaging if required is accomplished in our milling department’s swaging machine. Swaging of element sections creates a more attractive antenna, reduces wind load, eliminating possible vibrations causing metal fatigue.

“Cyclac”, a plastic like substance, is a popular material used in most Mosley Citizen Band antennas. This high strength molded material is noted for its high tensile strength. No detail is overlooked at Mosley Electronics, Inc. to bring you the greatest antenna value possible.

Mosley offers you a wide selection of Citizen Band antennas plus Short Wave Listening antennas from which to choose. Information not found in the catalog is available upon request.

### GROUND PLANE ANTENNAS

Devant One & Devant Special - Two Deluxe Antennas-One common Goal - Your Communication Needs.

No Measuring, Pre-Drilled, Color-Coded, Stainless Steel Hardware, Two Year Warranty

Devant One & Devant Special, 5/8 wave vertical ground plane antennas offer dependable base-to-base, and base-to-mobile communications you can count on. Their exclusive design is yet unequalled by any other antenna of their kind. Both of these antennas deliver a consistent 360 degree omni-directional pattern.

The Devant Special incorporates a top-hat which lowers its radiation angle, increases its field strength intensity, and extends its effective range. The Devants are second to NONE in construction. Only top grade, seamless, drawn aluminum tubing is used - factory seaming reduces wind load and vibration which causes metal fatigue.

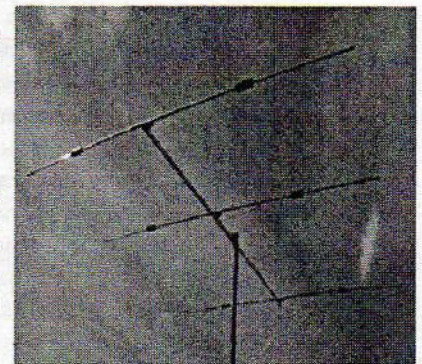
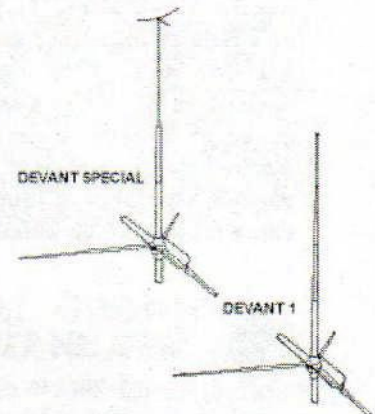
Other features include - grounded element lightning protection that also reduces rain static noise - high strength “cyclac” radial support base section - female coax connector lead-in termination - phenolic radiator support tube whose strength exceeds the tubing itself. All hardware is of stainless steel to meet government specifications.

MINI-SIZE, MINI-COST with MAXI-PERFORMANCE ..... the “MOSLEY MODEL MB-11”

Before the MINI Beam you had to choose either the economy and convenience of a ground plane, or the superior performance of a beam. Now you can enjoy the best of both! The new Deluxe Mosley Mini Beam will do everything a big three element beam antenna will do - EXCEPT - waste your time, money and space.

The secret of the MB-11’s mini-size and maxi-performance is in its coils. Two deluxe high “Q” coils on each element limit the mechanical size of the MB-11 without limiting its electrical capability. With high-impact polystyrene coil forms and modeled covers, these coils are built to take a powerful beating. In fact, they are so tough they can be used on 10 meter army antennas.

MB-11’s miniature size saves you money and trouble. Its compact design reduces the area exposed to wind so the antenna can be mounted, without a tower, in a TV antenna mount, and turned with an inexpensive TV rotor. MB-11 is lightweight, less than one-half the weight of an ordinary three element beam. You can assemble and install it quickly and easily: solid state gamma match, preassembled parts and color coding combine with lightweight





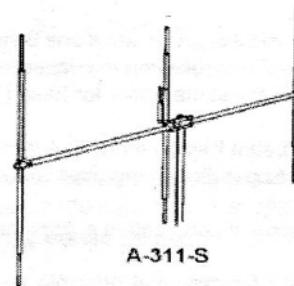
### SCOTCH MASTER BEAMS

**NO MEASURING - PREDRILLED - COLOR CODED - STAINLESS STEEL HARDWARE - TWO YEAR WARRANTY**

Hand crafted under rigid engineering standards are designed for the economy minded CB'er without sacrificing quality for price.

Scotch Master beams are constructed of highly durable seamless, drawn, aluminum tubing to withstand wind loads of (EIA Standard) 80 miles per hour. All stainless steel and non-corrosive hardware insuring longer antenna life.

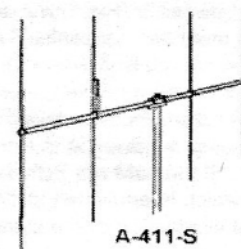
Electrically, Mosley Scotch Master beams are second to none in their lightweight class of three element, four element, and five element powered beams. Scotch master beams may be mounted vertically or horizontally, and rotated easily with a standard, inexpensive TV antenna rotor. Complete with color coded, pre drilled parts and illustrated instructions for fast, easy assembly.



A-311-S

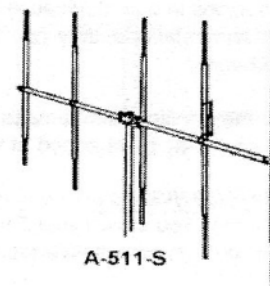
### STACKING

By stacking two Mosley beams, you can double the effective power transmitter, and double the efficiency of your receiver. Beam stacking is an art which has long been known, but can be a bit difficult unless an effective kit is used. The Mosley Stacking Kit is available for stacking the Scotch Master series of beams. The kit consists of stacking boom, hardware, coax, and all necessary parts for phasing and matching assembly. Illustrated assembly instructions are included.



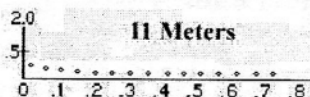
A-411-S

	A-311-S	A-411-S	A-511-S	A-311	A-411	A-511	Saser 3	MB-11	Devant
Gain	8 dbd	8.7 dbd	9.5 dbd	8 dbd	8.7 dbd	9.5 dbd	11.5 dbd	6.8 dbd	6.3 dbd
F/B	20+db	20+db	20+db	20+db	20+db	20+db	30.0 db	20+db	n/a
Max Turn Radius	10.8'	11.7'	15'	10.8'	11.7'	15'	21.0'	8.75'	16'
Longest El	18.8'	18.8'	18.8'	18.8'	18.8'	18.8'	18.8'	11.5'	20.5'
Sq. Ft.	3	4	5.6	3.2	4.3	5.9	7.8	2.6	2.2
Power	1KW	1KW	1KW	2.5KW	2.5KW	2.5KW	2.5KW	1KW	2.5KW
Boom	12'	15'	24'	12'	15'	24'	12'	9'	n/a
Wt.	13.5	16.9	18.5	16	18.5	35	39	11.0	11



A-511-S

Typical SWR for all of our beams.



### POWER MASTER BEAMS

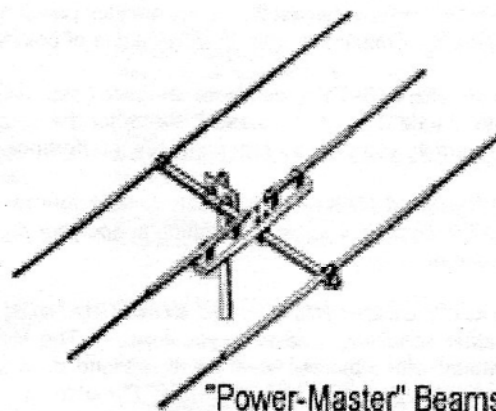
(For Higher Power Applications and More Severe Areas)

"POWER MASTER" Beams are full sized arrays, each designed for operation on a single band.

Mosley A-311, eleven meter three element, Mosley A-411, eleven meter four element, Mosley A-511, eleven meter five element.

SUPERLATIVE performance and construction characterizes each beam to insure satisfaction under the most adverse conditions.

Antennas are 100% rust proof. Stainless steel hardware, high impact polystyrene insulators with drawn, seamless aluminum elements and boom will provide many additional years of trouble free operation. Low SWR over the entire bandwidth. Maximum gain on all bands with an operating capacity well over 1 KW. All "Power-Master" antennas are fed with 50/52 ohm coax using the famous "Mosley-Match".



"Power-Master" Beams

**THE POWER MASTER SERIES BEAMS ARE ALSO AVAILABLE FOR THE HAM BANDS!**

Saving you MONEY Factory Direct!



## Saser Beams

An exclusive antenna from Mosley! The **Saser Beam** cuts through the CB interference like a **LASER** cuts through steel.

The basic design includes one 3 element beam mounted vertical. Ideally suited for base to mobile communication. Add one 3 element beam mounted horizontally on the same boom for base t station to base station operation.

Each beam has an individual transmission line which can be switched for the type of operation being used at the time.

Selection of polarization is thus made simply by turning to the correct antenna.

Since a fundamental principle of radio wave propogation is that an antenna radiates a wave front in the same polar plane as the antenna, an antenna mounted vertically (Fig.1) will radiate in a vertical plane of polarization, and an antenna mounted horizontally will radiate in a horizontal plane of polarization (Fig. 2).

Because an antenna works exactly the same for recieving, it is necessary that the receiving antenna be in the same plane of polarization as the transmitting antenna. If they are not in the same ploar plane, the signal reduction is about 30 db., which is equvalen to dividing the transmitter power by 1000, resulting in virtual elimination of the signal.

If two stations in communication can simultaneously shift polarization opposite to interfering stations, they can eliminate disturbance from stations using the same channel.

This is the principle adavantage of the **SASER Beam**. As shown in (Fig. 3), polarization may be changed at will.

**CONSIDER THIS:** You're receiving a good signal, but interference is cluttering the channel. You switch your **SASER** beams to horizontal and the interference is wiped out. In comes your signal on a clean, clear channel.

**CONSIDER THIS:** You're trying to copy on vertical, but someone else is hogging the channel. You switch your **SASER** and he's gone! The channel is clear for you to talk.

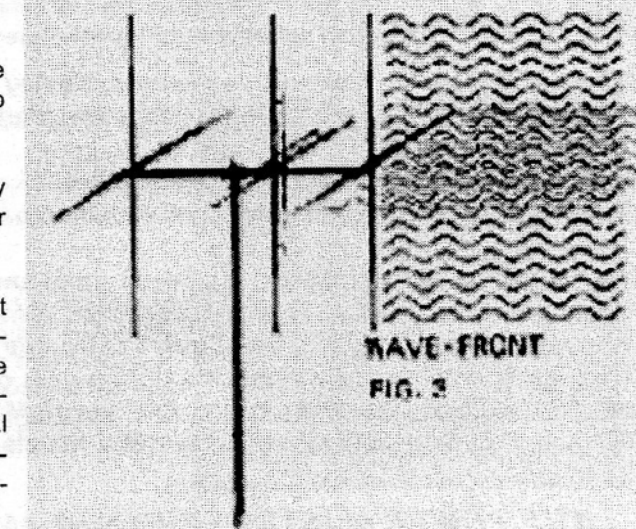
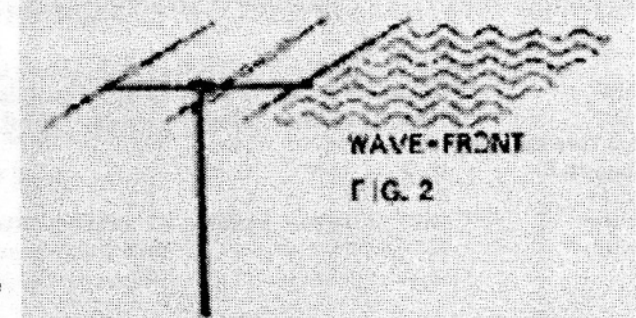
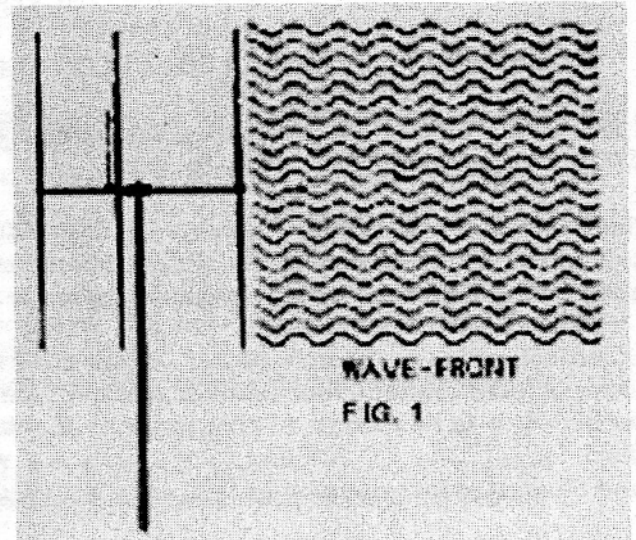
### WHAT DO YOU WANT IN A BASE STATION ANTENNA?

**TOP GAIN** so you can get the most from your power output. The Mosley **SASER Beams** offer maximum gain in either plane of polarization.

**HIGH-DIRECTIVITY** to eliminate unwanted side and back signals. Check the performance data of the **SASER Beam** for the outstanding front-to-back ratio that permits you to copy with minimum interference.

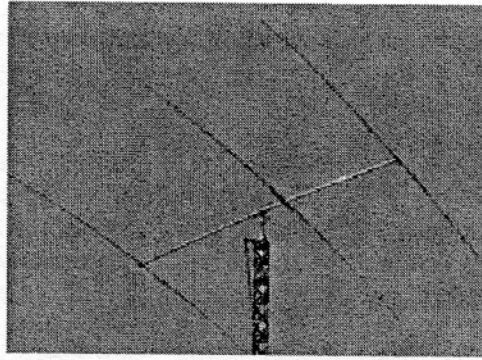
**MAXIMUM DISTANCE** so you can contact your most remote station. Mosley **SASER Beam** low angle of radiation keeps your signal close to the ground for maximum range.

**QUALITY COMPONENTS AND CONSTRUCTION** that will withstand difficult weather conditions and save you repairs. The Mosley **SASER Beam** is assembled with stainless steel hardware and drawn, seamless, aircraft grade aluminum tubing. The Mosley double "T" matching system is a perfected electro-mechanical arrangement which provides for a balanced feed both horizontal and vertically. The **SASER Beam** comes complete with time proven mast clamping, all necessary color coded hardware, and easy to follow assembly instructions.



**SOME OF THE MANY OTHER ANTENNAS**

Since we have hundreds of different models of antennas from full size mono band, log, linear load, trapped, inductive, and link coupled versions it is impossible to put all of these into a single catalog. The ones listed in this catalog are the ones we receive the most requests for in the amateur models. If there is an antenna that you are looking for and don't see it here, gives us a call and we will see if we can help. Here are a few of the other antennas we get requests for.



CL-203      *\*\*"Classic" Feed*

**SUPER-33 FOR 17, 20, AND 40 METERS!**

The SUPER 33 has been built out of our COMMERCIAL line by special request! You have asked for a Beam which will give you great performance on these bands without having a size that's TOO BIG to handle.

The S-33 is on a 24 Foot, 3" Heavy Duty boom that requires NO STRUT and is capable of handling any environment.

With the SUN SPOT activity down, 17, 20 and 40 are being used the most. Just think one compact beam for the 3 most favorite DX bands! Mosley, after 60 years, is still the most creative antenna manufacturer in the world! Everyone else is just a copy in one way or another. BUY the originals, give yourself years and years of reliable, trouble free performance! Give your station the MOSLEY edge!

Forward Gain:

17 Meter 8.3 dbd

20 Meter 7.5 dbd

40 Meter 6.7 dbd

Front-to-Back:

17 Meter 25 db

20 Meter 25 db

40 Meter 20 db

Power Rating:

CW 2.5 KW,

SSB 5.0 KW

SWR at frequency: 1.0/1 to 2.0/1

Boom Length: 24 ft.,

Turning Radius: 24' 6"

Mast Size: 2 in. or 3 in.

Maximum Element Length: 40 ft.

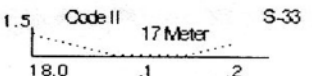
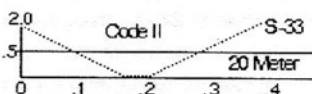
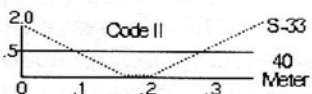
Assembled Weight: 95 lbs.

Wind Surface Area (in sq.ft.): 10.0 ft.<sup>2</sup>

Wind Load (EIA standard 80 M.P.H.): 270 lbs.

Shipping Weight (approx.): 110 lbs.

Warranty: 2 Years.



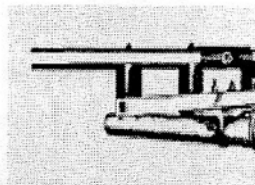
The Mosley CL-203, 20 meter yagi, consists of 3 elements on a 24 foot boom using our patented "Classic" feed system. The "Classic" feed system gives you a no loss, efficient power transfer to the full size elements.

All the tubing on this beam is made of the highest quality "Drawn" aircraft grade aluminum.

All the hardware used is made of the best stainless steel material available. The average life of this antenna before needing any maintenance is 25+ years. The CL-203 is designed to give you good point to point communication capabilities.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

The warranty on this antenna is two year against any defects of material or workmanship. Mosley, "The best investment you can make for your QTH".

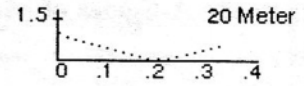


Specifications and Performance Data for the CL-203

Gain at Resonance	8.1 dbd
Front to Back	25.0 db
Transmission Line Coaxial	50/52.0 ohm
Square Foot Area	6.8 sq. ft.
Wind Load (@ EIA 80 m.p.h.)	106 lbs.
Wind Loading Capability:	
No ice	100 m.p.h.
1/4" Radial Ice	80 m.p.h.
Boom	2" x .104 x 24'
Mounting Mast Size Mast	2"
Longest Element Length	38'
Turning Radius	23'
Power Rating:	SSB 5000 watts
	CW 2500 watts
Polarization	Horizontal
Connection	PL-259
Feed System	"Mosley Classic"
VSWR at 50 ohms	1.15 to 1

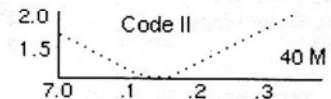
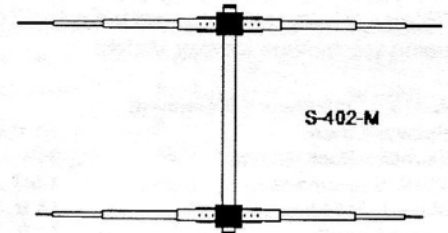
Antenna Weight	40.5 lbs
Shipping Weight	50.0 lbs
Shipping Via	UPS
Warranty	2 Years

**M.E.I.**



**S-401-M** 40 Meter, 1 Element, **S-402-M** 40 Meter, 2 Element Beam, **S-403** 40 Meter, 3 Element Beam.

For a top signal needed to push through forty meter QRM the **Mosley Signal Master S-402-M** will do the job. *You can buy cheaper 40 meter beams, however, by the time you add the extra money in repair and down time, isn't a few dollars more worth a long lasting, quality made and high performing beam?*



Specifications & Performance Data

Model:	S-401-M	S-402-M	S-403
Forward Gain:	5.5 dbd.	8.0dbd.	
Front-to-Back Ratio:	24 db.	25 db.	
Maximum El. Length:	44 ft.	45 ft.	45 ft.
Boom Length:	24 ft.	36 ft.	
Turning Radius:	23 ft.	24 ft.	34 ft.
Wind Load (EIA standard 80 MPH):	100 lbs.	225 lbs.	320 lbs.
Wind Surface (in sq. ft.):	3.5 ft <sup>2</sup>	7.5 ft <sup>2</sup>	12 ft <sup>2</sup>
Assemble Weight:	23 lbs.	58 lbs.	101 lbs.
Warranty:	2 Yrs	2 Yrs	2 Yrs

Other beams are available ranging from 3 to 30 MHz, using booms from 6 feet to 105 feet. Elements can be full size, linear, or trapped. Feed systems can be direct, gamma, capacitive, inductive, or link coupled.

If you have a serious interest, call our technical line and they will work with you to get you the information regarding the type and model of antenna you would need.



# Mosley... "A Better Antenna"

**COMPACT-HIGH POWER**  
**LIGHTWEIGHT-RUGGED**

**Not much room? Not Much Tower?  
Want a FULL SIZE 20 Meter beam.  
Check out the A-Series of Mono Band  
Beams.**

"Short Boom", Mono Band Beams for restricted space.

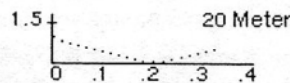
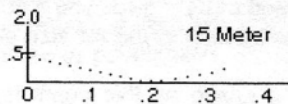
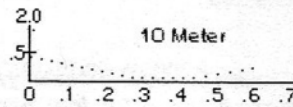
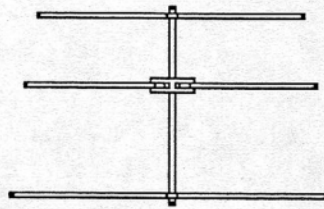
"Power-Master" Beams are full sized arrays, each designed for operation on a single band.

Mosley A-310, ten meter three element.  
Mosley A-315, fifteen meter three element.  
Mosley A-320, twenty meter three element.

Superlative performance and constructive characterizes each beam to insure satisfaction under most adverse conditions.

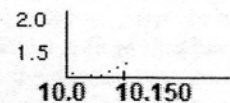
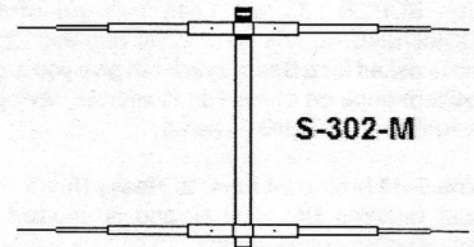
Antennas are 100% rust proof. Stainless steel hardware, high impact polystyrene insulators with drawn aluminum elements & boom will provide many additional years of trouble-free operation. Low SWR over entire band width. Maximum gain on all bands with an operating capacity well over 3 KW. All "Power-Master" antennas are fed with 52 ohm coax using the famous Mosley Match.

A-310, A-315 & A-320



**S-301-M 30 Meter, 1 Element, S-302-M 30 Meter, 2 Element Beam, S-303 30 Meter, 3 Element Beam.**

For a top signal needed to push through forty meter QRM the Mosley Signal Master S-302-M will do the job. You can buy cheaper 30 meter beams, however, by the time you add the extra money in repair and down time, isn't a few dollars more worth a long lasting, quality made and high performing beam?



**A-310 (10 Meter • 3 Element)**

Forward Gain:	7.6 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	18 ft. 7 in.
Boom Length:	12 ft.
Turning Radius:	11 ft. 1 in.
Wind Load (EIA standard 80 MPH):	69 lbs.
Assembled Weight:	25 lbs.
Shipping Weight (approx.):	33 lbs.
Warranty:	2 Years

**A-315 (15 Meter • 3 Element)**

Forward Gain:	7.0 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	23 ft. 4 in.
Boom Length:	12 ft.
Turning Radius:	13 ft. 2 in.
Wind Load (EIA standard 80 MPH):	87 lbs.
Assembled Weight:	26 lbs.
Shipping Weight (approx.):	34 lbs.
Warranty:	2 Years

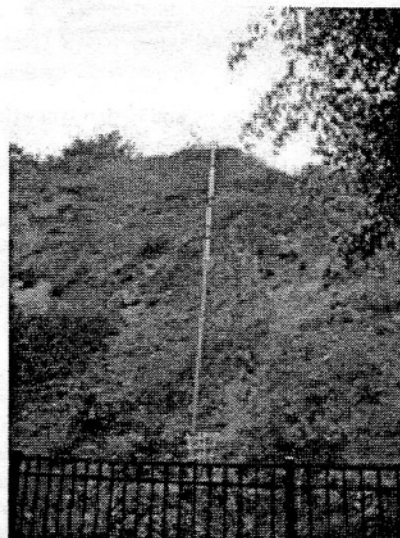
**A-320 (20 Meter • 3 Element)**

Forward Gain:	6.7 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	35' 4"
Boom Length:	14 ft.
Turning Radius:	18' 9"
Wind Load (EIA standard 80 MPH):	140 lbs.
Assembled Weight:	40 lbs.
Shipping Weight (approx.):	45 lbs.
Warranty:	2 Years

**Specifications & Performance Data**

Model:	S-301-M	S-302-M	S-303
Forward Gain:		5.5 dbd.	8.0dbd.
Front-to-Back Ratio:		24 db.	25 db.
Maximum El. Length:	44 ft.	45 ft.	45 ft.
Boom Length:		24 ft.	36 ft.
Turning Radius:	23 ft.	24 ft.	34 ft.
Power	5KW	5KW	5KW
Wind Load (EIA standard 80 MPH):	100 lbs.	225 lbs.	320 lbs.
Wind Surface (in sq. ft.)	3.5 ft <sup>2</sup>	7.5 ft <sup>2</sup>	12 ft. <sup>2</sup>
Assemble Weight:	23 lbs.	58 lbs.	101 lbs.
Warranty:	2 Yrs	2 Yrs	2 Yrs

KK5GG'S/6 RV-6 on hillside



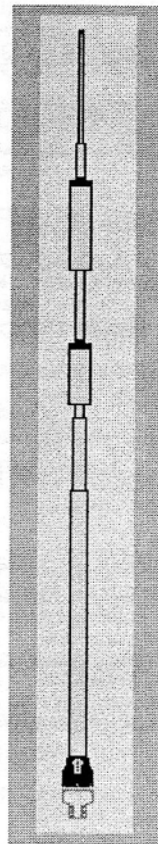
Other beams are available ranging from 3 to 30 MHz, using booms from 6 feet to 105 feet. Elements can be full size, linear, or trapped. Feed systems can be direct, gamma, capacitive, inductive, or link coupled.

If you have a serious interest, call our technical line and they will work with you to get you the information regarding the type and model of antenna you would need.

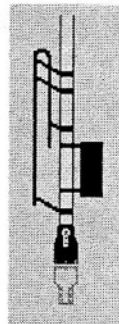
# RV SERIES VERTICALS

M.E.I.

If you're cramped for space and looking for the finest in a self supporting vertical, here's an antenna designed with you in mind. Mosley RV Verticals for 4 or 5 band operation feature automatic band switching from the location of the transceiver. Each antenna utilizes the world famous "Trap-Master" traps. Undisputed and unaltered since their inception Mosley "Trap-Master" traps incorporate high 'Q' coils firmly fixed on molded forms. These high quality metal encased traps maintain resonant frequency stability on all bands under a wide variety of weather conditions. With a simplified base mounting technique no concrete footing is necessary. These heavy-duty verticals measure up to the most exacting commercial standards. Elements are swaged for extra strength and reduced wind load. Low angle, omnidirectional radiation and minimum SWR (1.5/1 or better at resonance) assure maximum performance. Power is fed directly to antenna with a single 52 ohm coax line. The new Mosley verticals RV series have been designed to combine ease of installation, and excellent performance! These verticals require only modest ground systems. A complex ground rod and radial systems may be used if the operator desires, but extensive installation experience has proven that outstanding performance is achieved with only a simple mounting post which doubles as the ground rod. As a result, these antennas are ideally suited for upper story installation, city lot dwellers or easy installation in even the most sophisticated QTH.



RV-4-C



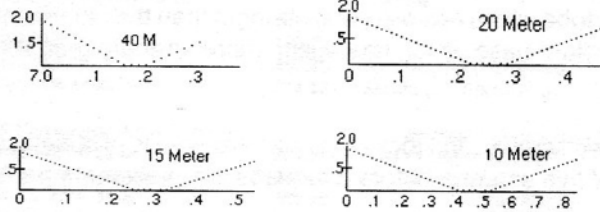
RV-8-D

## Specifications & Performance Data

Model:	RV-4C	RV-8D
Bands (meters):	10, 15, 20 & 40	75/80
Power Rating:		
C W	1 KW	1 KW
P.E.P. SSB.	2 KW	2 KW
Feed Point Impedance:	52 ohms	52 ohms
SWR:	1.5/1	1.5/1
Recommended Coax:	RG-8/U	RG-8/U
Number of Radials:	4	5
Max. Radial Length	34 in. 7 in.	80 ft.
Height (approx.):	22 ft.	22 ft.
Mast Size (O.D.):	2 in.	2 in.
Ground Required:	Yes	Yes
Wind Surface Area:	2.05 ft. <sup>2</sup>	.5 ft. <sup>2</sup>
Wind Load @ 80 MPH:	42.5 lbs.	10.0 lbs.
Assembled Weight:	9.25 lbs.	4.5 lbs.
Shipping Weight :	30 lbs.	30 lbs.
Warranty:	2 Years	2 Years

## Specifications & Performance Data

Model:	RV-6-C	RV-7-C
Bands (meters):	10,12,15,17,20,40	10,12,15,17,20,30,40
Power Rating:		
C W	1 KW	1 KW
P.E.P. SSB.	2 KW	2 KW
Feed Point Impedance:	52 ohms	52 ohms
SWR at resonance:	1.5/1	1.5/1
Recommended Coax:	RG-8/U	RG-8U
Number of Radials:	6	7
Maximum Radial Length:	34 in. 7 in.	34 ft. 7 in.
Height (approx.):	20 ft.	21 ft.
Mast Size (O.D.):	2 in.	2 in.
Ground Required:	Yes	Yes
Wind Surface Area:	2.05 ft. <sup>2</sup>	2.05 ft. <sup>2</sup>
Wind Load (EIA 80 MPH):	44 lbs.	44 lbs.
Assembled Weight:	11 lbs.	12 lbs.
Shipping Weight:	30 lbs.	30 lbs.
Warranty:	2 Years	2 Years



### Mosley RV-4C

For 10, 15, 20, 40 Meters

(Nothing As Inexpensive or as Good!)

Automatic Band Switching, Omnidirectional

### Mosley RV-6

10, 12, 15, 17, 20 & 40 Meter, Compact • Under 19 ft. High

Heavy-duty Construction, Stainless Steel Hardware

No Measuring -Pre-Drilled - Color Coded

Single Feed Line, 2 Year Warranty

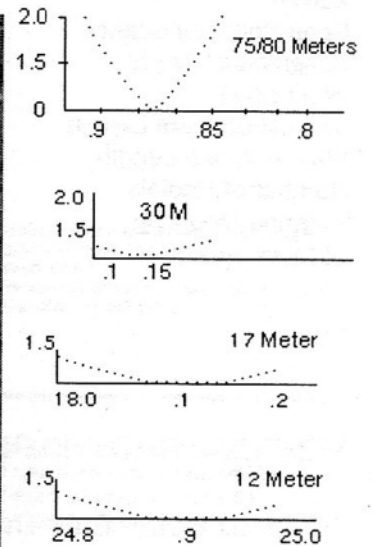
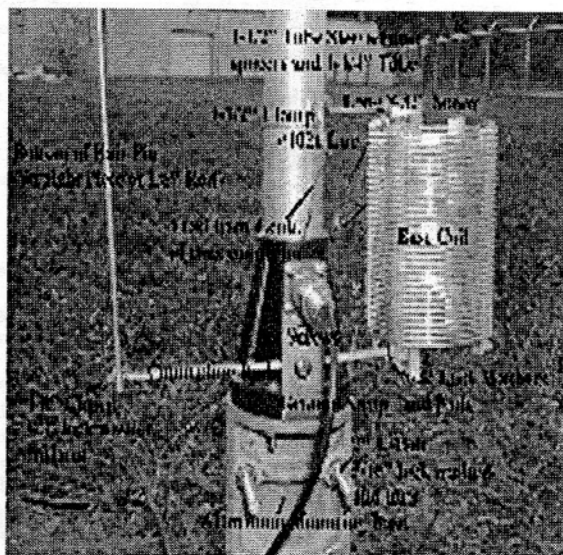
### Mosley RV-7

10, 12, 15, 17, 20, 30 & 40 Meter

All Other features of the RV-6, plus 30 Meters

### Add 75/80 Meters Mosley RV-8D

Designed to convert the RV-Series antenna to include the 75 80 meter band. The LC circuit incorporates a high 'Q' coil constructed of #12 tinned copper wire. An insulated aluminum condenser tube fits over the vertical element. Heavy-duty insulators maintain 'U' shaped matching section loop, and a matching section rod connects loop to coil.





## EXCELLENT AIRCRAFT BASE ANTENNA!

(Averages 3-1/4 db in gain Over standard base antennas!)

VERTICAL GAIN ANTENNA, EASY TO INSTALL, EVERYTHING READY TO HOOK TO YOUR RADIO!  
(Great for Private Air Strips, General Aviation Airports, and Home Listening Stations)

The "**CUSTOM DISPATCHER**", DP-275 for 108.00 to 175.00 MHz

The DP-275 Dispatcher is a 5/8 wave vertical ground plane antenna with an exceptionally low angle of radiation and is designed and manufactured to fulfill the exacting antenna requirements for commercial communications. It incorporates a shunt match feed with 50 ohm impedance rated to 1,000 watts and a nominal 1.5 or less VSWR at the resonant frequency. The Mosley "DP-275" offers a 3.4 gain over a standard ground plane antenna. This antenna is grounded for lightning protection which also reduces rain and snow static.

This Top-quality antenna is weather protected via the UG-58/U female type "N" and the UG-21-B/U male connector. The coax female connector is part of the weatherproof radial support assembly.

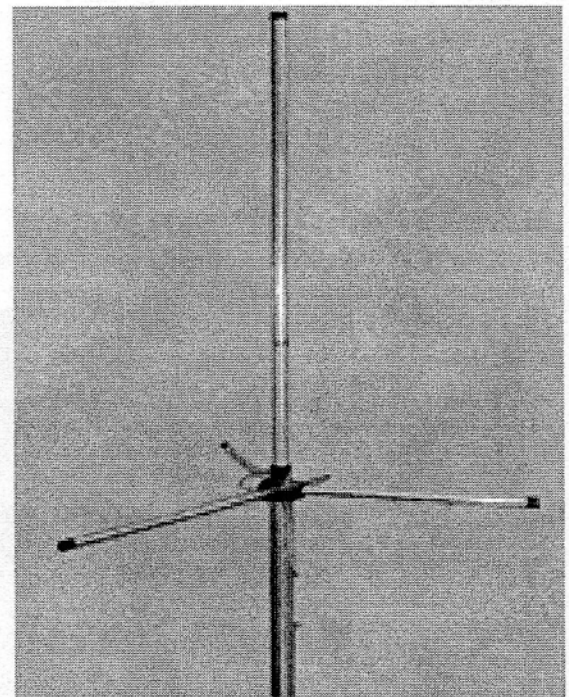
6063-T832 aluminum alloy tubing with high tensile strength makes this antenna the durable antenna desired for commercial use.

The vertical element of this DP-275 telescopes into a wrapped phenolic base tube which has a greater strength than the aluminum element. Radials (horizontal elements) terminate into a high strength "Cyclac" base which has again, more strength than the aluminum element.

Antenna mounting is simplified: just mount the antenna on a mast, tighten two screws, and lock nuts. All hardware is of stainless steel or steel plated to meet government specifications. The average life of this antenna before it requires a replacement parts is 27 years. And if a part is needed, we have parts going back 65 years!

### SPECIFICATIONS AND PERFORMANCE DATA

Gain over a Standard	
3.1db Ground Plane	3.4 dbd (6.5 db Total)
VSWR	1.5:1 or Better
Feed Point Impedance	50 ohm
Assembled Weight	(Depending on frequency)
Wind Load	@ 80 mph
Vertical Element Length	(Depending on frequency)
Max. Antenna Length	(Depending on frequency)
Number of Radials	3
Antenna Mounting	1-1/4" to 1-3/4"



VERTICAL GROUND PLANE ANTENNA 108.00 to 175.00 MHz

DP-275

10 Times Better Built Than The Average Airport Base Com Antenna!

**Mosley, "The Best Investment in Your Station"! The Lifetime Antenna Company!**

**M.E.I.**

\*\*Prices listed below follow the antenna sections in the amateur catalog. Amateur prices and specifications can change without notice or obligation. Some shipping delays can occur due to the long lead times the aluminum industry is presently facing. Mosley has an extremely large inventory of goods, however, if the demand depletes a certain size of tubing, it can affect more than one model being produced. These lead times are beyond our control. When an order is placed, you will be given an approximate shipping date. If the item is in stock, it will ship within 3 days of receipt of payment and the order. **(Prices are effective as of 1-1-09. Prices are in US Dollars. Payments on all orders will be processed at the time of order.)** NOTE: Parts are available for most all of the older Mosley antennas, even going back 65 years!

Mosley Electronics, Inc. 1325 Style Master Drive, Union, Missouri 63084  
 Orders: 800-325-4016, 800-966-7539. For Technical Help: 636-583-8595. Fax: 636-583-0890. E-mail: mosley@mosley-electronics.com

"Original Tri Band Beams"		3" Boom Version	2634.95		CL-204 (20m,4el,36")	2013.95
"Seniors"					CL-404 (40m,4el,54")	9529.95
TA-33-M	584.95	Verticals		Conversions for PRO Series	CL-105 (10m,5el,24")	1045.95
TA-33-M-WARC	743.95	RV-3-C (10,15,20)	256.95		CL-155 (15m,5el,36")	1960.95
TA-32-M	440.95	RV-3-CW (12,17,30m)	276.95	PRO-57-B/57-B-40	CL-205 (20m,5el,46")	3583.95
TA-31-M	333.95	RV-4-C (10,15,20,40m)	331.95	PRO-57-B/67-B	CL-106 (10m,6el,36")	2115.95
"Juniors"		RV-6-C(10,12,15,17,20,40)	479.95		CL-156 (15m,6el,44")	3525.95
TA-33-JR-N	474.95			PRO-67-B/96-2	CL-206 (20m,6el,54")	4166.95
TA-33-JR-N-WARC	600.95	RV-7-C			CL-107 (10m,7el,42")	2407.95
TA-32-JR-N	360.95	(10,12,15,17,20,30,40)	520.95	PRO-95/95-40	CL-157 (15m,7el,52")	3773.95
TA-31-JR-N	329.95	RV-8-D		PRO-95-2/96-2	CL-207 (20m,7el,64")	6323.95
"Tigaray" (Half Jr. Half Sr.)		(75/80 Add On for RV's)	207.95			
MP-33-N	547.95	CB Antennas		Large HF Logs	Mini Mono HF Beams	
MP-33-N-WARC	709.95	MB-11 (MINI 11M)	393.95	MLPS-3-30-48-D (3 to 30 MHz)	MB-10 (10m)	317.95
Hot 4 Element 10,15, & 20				MLPS-4-30-48-D (4 to 30 MHz)	MB-11 (11m)	381.95
TA-34-XL	958.95	Devant, 5/8 GP	299.95		MB-15 (15m)	413.95
TA-34-XL-WARC	1049.95	Devant Special 5/8 GP	349.95	ALP-13-30-36 (13 to 30MHz)	Mini Tri-Band	
NEW 6,10,12,15,17, & 20		Saser	695.95	ALP-6-30-36 (6 to 30MHz)	Mini-33-A, (3 EL 10,15,&20M)	497.95
TA-54-XL	1350.95	A-311	382.95	ALP-6-18-36 (6 to 18MHz)	Mini-32-A, (2 EL 10,15,&20M)	376.95
TA-54-XL-6	1623.95	A-411	436.95		Mini-31-A, 10,15,&20 M, Dipole	254.95
The "Smallest 5 Band Beams 10,12,15,17 & 20 Meters		A-511	578.95	VHF/UHF Beams	Mini-32/33 Kit	
TA-53-M	905.95	A-311-S	316.95	AM-14-2 (2m, 14el)	Mini-33-A WARC, Dipole	251.95
NEW 6,10,12,15,17 & 20		A-411-S	426.95	AM-2N6 (2&6m Beam)	Mini-33-A-WARC Kit	255.95
TA-63-N	991.95	A-511-S	535.95	AM-5-6 (6m, 5el)	Mini-33-A-WARC, 10-12-15-17-20 Meters	620.95
TA-53/63	180.95				HF Dipoles	
TA-53/TA-54-XL	466.95	Stacking Kit (Hardware)	201.95	MY-144-5 (2m, 5el)	MD-2 (40/80m Trap)	220.95
TA-53/TA-54-XL-6	614.95	Stacking Kit (Phasing)	201.95	MY-144-9 (2m, 9el)	MD-2-W (12/17m)	182.95
TA Conversion Kit & Add On		Special & Heavy Duty Beams		MY-220-5(1-3/4m,5el)	MD-3 (10,20, &40m)	198.95
TA-31-M/TA-32-M	362.95	S-33 (17,20,40 m 3 el)	1825.95	MY-430-14(3/4m,14el)	MD-3-W (12,17, &30m)	198.95
TA-31-JR/TA-32-JR	346.95			DI-2 (2M 5/8 WAVE)	MD-3-JR(Low Pwr VER.)	198.95
TA-32-M/TA-33-M	353.95	The PRO's		DI-6 (6M 5/8 WAVE)	MD-5 (10,15,20,40,75/80)	499.95
TA-32-JR/TA-33-JR	340.95	"Five", "Six" and "Seven" Bands (PRO's with 24 Foot Boom)		DI-10(10M 5/8WAVE)	MD-6 (10,12,15,17,20,40)	559.95
TA-33-M/TA-34-M	379.95	57-B10,12,15,17 & 20 Meters			AIRCRAFT	
TA-40-KR	323.95	PRO-57-B	1437.95	A-503-S (6M 3 EL)	DP-275 (108-137 MHh)	
TA-30-KR	323.95	PRO-57-B-3 (3" Boom)	1768.95	A-504-L-S (6M 4 EL)	5/8 WAVE BASE GP	\$429.95
		57-B-40		A-505-S (6M 5 EL)	Accessories	
MPK-3	323.95	10,12,15,17,20 & 40 Meter Dipole		A-506-M-S (6M 6 EL)	PENATROX (1 Oz.)	\$10.95
		PRO-57-B-40	1564.95	A-506-L-S (6M 6 EL)	WeatherGuard	
SR WARC KIT	323.95	PRO-57-B-40-3 (3" Boom)	1897.95	A-507-L-S (6M 7 EL)	1 Pint Can (Brush On)	\$20.95
JR WARC KIT	323.95	67-B		40M Shorten Heavy Duty Beam		
34 XL WARC KIT	333.95	10,12,15,17,20 & 40 Meter 2 Element		S-401-M (Dipole)		
34-M WARC KIT	333.95	PRO-67-B	1765.95	S-402-M (2 Element)		
		PRO-67-B-3 (3" Boom)	2013.95	S-402-M-3 (3" Boom)		
				S-403 (3 Element)		
				S-403-3 (3" Boom)		
Dual Band WARC Beams		(PRO's with 36 Foot Boom)				
TW-21-M	323.95	10,12,15,17&20 Meters		Mono Band Full Size Light Weight Beams		
TW-22-M	437.95	PRO-95	2957.95	A-310 (10M 3 EL)		
TW-23-M	575.95	PRO-95-3	3381.95	A-315 (15M 3 EL)		
TW-24-XL	991.95			A-320 (20M 3 EL)		
		10,12,15,17,20 & 40 Meters 3 Element				
Tri Band WARC Beams		PRO-96	3466.95	Mono Band Full Size Heavy Duty Beams		
TW-33-XL	934.95	PRO-96-3	4242.95	CL-103 (10m,3el,12")	419.95	
TW-32-XL	657.95			CL-153 (15m,3el,14")	604.95	
TW-31-XL	400.95	NEW-NEW-96S-NEW-NEW		CL-203 (20m,3el,24")	861.95	
		PRO-96-S-30	9701.95	CL-403 (40m,3el,42")	6387.95	
"Classic" Series Beams		5 on 10,5 on 12,15,17,20,30 & 4 on 40 Meters, 48 foot heavy boom		CL-104 (10m,4el,18")	642.95	
CL-33-M	734.95			CL-154 (15m,4el,24")	1076.95	
CL-33-M-WARC	902.95					
CL-33-M-WARC KIT	329.95					
CL-36-M	1380.95					
CL-39 (10,15,20 on 36' Boom)	2248.95					

\*\*The above prices do not include shipping, handling or insurance. All prices are FOB Union, Missouri, USA. Prices and specifications are subject to change without notice or obligation.

**Order cancellation and return policy.**

If an order is placed and shipped and then cancelled, it is subject to a restocking charge of 20%. This is to cover re-boxing and examining the antenna for resale. The shipping charges will not be refunded since the carrier will still need payment. An order which is charged and then cancelled, will be handled through our accounting office and you will pay the reversale fees, which Visa/M/C charges our account, 7-1/2% of amount run + \$15.00. Prior to returning any product you must receive a RMA (Return Merchandise Authorization) from Mosley. We receive hundreds of shipments at our docks and if the shipping department isn't aware of the shipment it will be refused or lost, and no refund will be allowed.

\*Oversize packaging uses 35 lbs. Minimum Fed Ex/ UPS Charge.

Form 0207087PL

**"Over 65+ Years of Quality Products and Service to the Amateur, Commercial, and Military Services"**

**Saving you MONEY Factory Direct!**



Mosley... "A Better Antenna"

TA-63-N..... **NEW**

**SPECIAL!**

A PERFECT SIZE, A PERFECT MATCH, A PERFECT SOLUTION

(One of our most popular antennas, the **TA-53-M**, made **EVEN BETTER!**)

\*6, 10, 12, 15, 17 & 20 Meter

6 Element Beam

4 Elements on \*10, 12, 15, 17 & 20, 3 on 6 Meters

Good all-around performance

No Measuring • Pre-Drilled • Color Coded.

Stainless Steel Hardware

2 Year Warranty

Specification and Performance Data

Forward Gain:

* 6 Meter	6.9 dbd.
10 Meter	7.9 dbd.
12 Meter	6.9 dbd.
15 Meter	7.9 dbd.
17 Meter	6.7 dbd.
20 Meter	6.5 dbd.

Front-to-Back Ratio:

* 6 Meter	20 db.
10 Meter	16 db.
12 Meter	9 db.
15 Meter	13 db.
17 Meter	12 db.
20 Meter	10 db.

Power Rating:

CW	1.5 KW
SSB	2.5 KW

Matching System:

Recommended coax: (RG-8-U/RG-213)	"Q" match
SWR at resonant frequency:	50/52 ohm
	1.0/1 to 1.65/1

Boom Length: 2" x 14 ft.

Turning Radius: 14 ft. 11 in.

Recommended Mast Size: 2 in.

Maximum Element Length: 26 ft. 8 in.

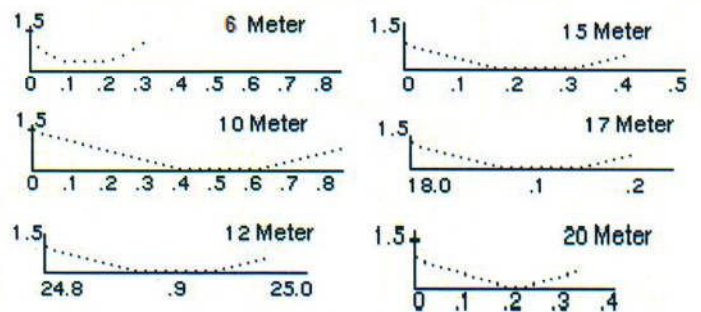
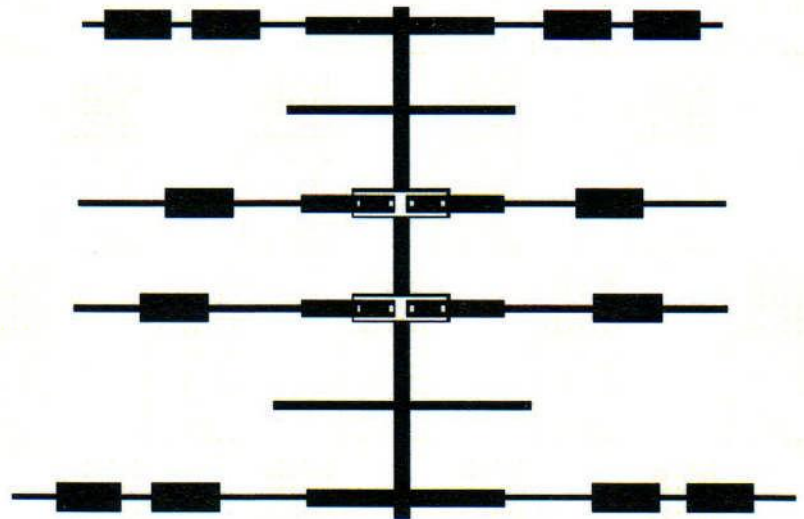
Assembled Weight (approx.): 60 lbs.

Wind Surface Area (in sq. ft.): 7.3 ft.<sup>2</sup>

Wind Load (EIA standard 80 MPH): 170 lbs.

Shipping Weight (approx.): 72 lbs.

Warranty: 2 Years



**6** Physical Elements

**3** Active Elements on 20, 17, 15, 12, 10, 6

The TA-63-N can also have 40 meters added to its front Driven element. This 40 meter kit can be added at any time. The kit is the TA-40-KR.