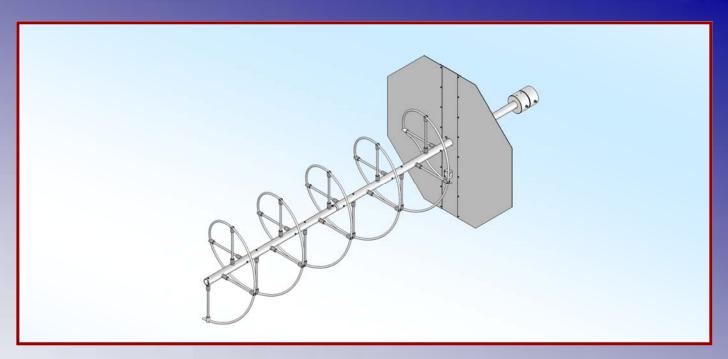


# M2 Antenna Systems, Inc. Model No: FG170-230-5



#### **SPECIFICATIONS:**

Model	FG170-230-5
Frequency Range	170 To 230 mHz
*Gain	
Beamwidth	150 mHz = 70°
Impedance	50 Ohms Unbalanced
VSWR	
Polarity	
-	(Customer Specified)

Elipticity	<3db
Connector	Type "N" Female
Power Handling	1 kW, Higher avl.
Boom Length / Dia	94" / 1-1/2"
Turning Radius:	76-5/8"
Mast Size	2" Nom.
Wind Survival	100 MPH
Weight / Ship Wt	31 l bs / 185 l bs

#### **FEATURES:**

The M2 170-230-5 Helix antenna offers medium performance characteristics for specialized fixed and rapid deploy operations within the 170 to 230 MHz band. It is perfect for either terrestrial or satellite applications. The antenna is supplied with a manually adjustable Azimuth / Elevation mount and a counter weight. The antenna is shipped with the helix assembled less ground plane. Finishes are optional. The steel adjustable mounting fixture and counterweight are zinc plated. Optional arrays of 2 or more are available. Other frequency ranges and gains are also available down to 100 MHz. Complete motorized, computer controlled AZ-EL systems are also manufactured by M2.

Where circular polarity is not required but high bandwidth is, M2 offers a line of various log periodic antennas from 5 to 1300 MHz. If it is antenna related, we probably have made it. Call us with your requirements.

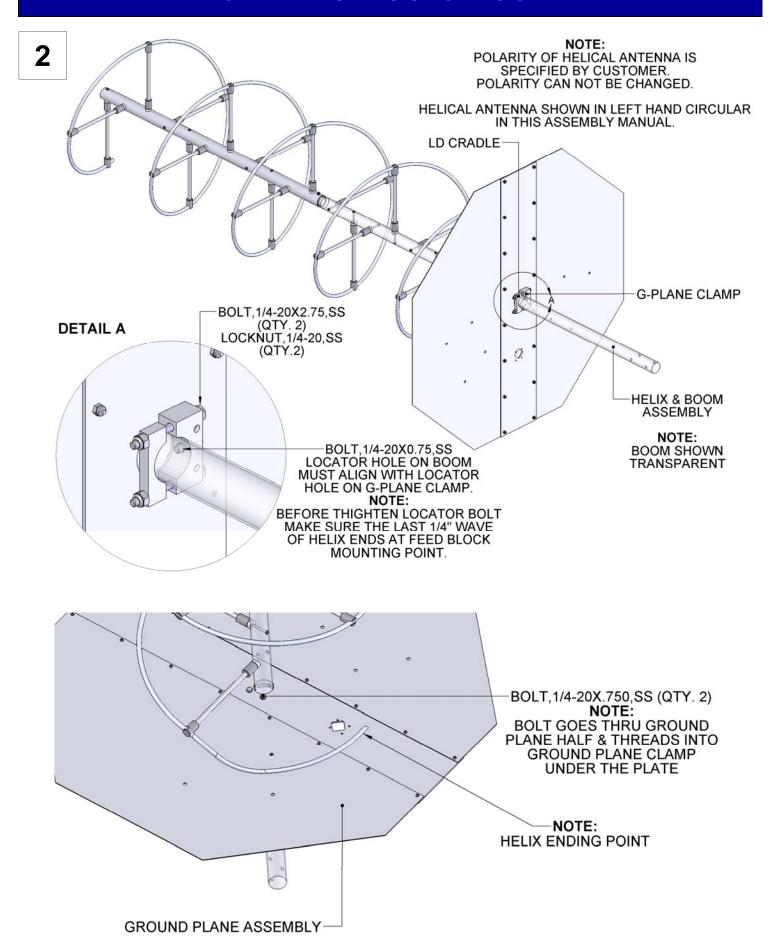
GROUND PLANE CENTER

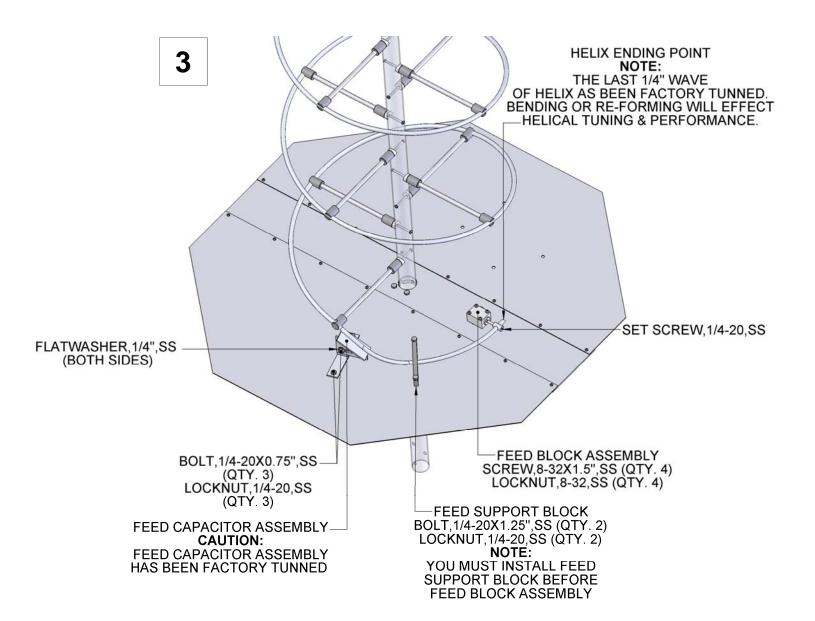
GROUND PLANE HALF

SCREW,8-32X0.50",SS
(QTY.16)
LOCKNUT,8-32,SS
(QTY. 16)

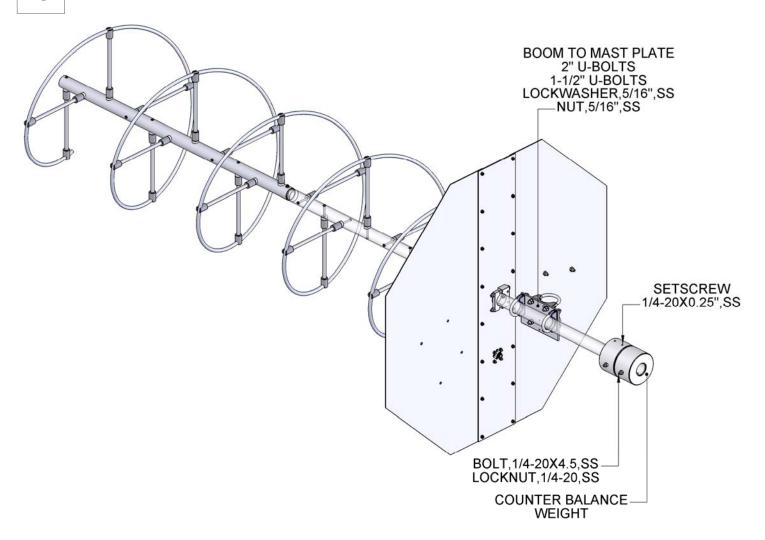
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#### M<sup>2</sup> ANTENNA SYSTEMS, INC.

4402 N. SELLAND AVE. FRESNO, CA 93722 (559) 432-8873 FAX: 432-3059

(559) 432-8873 FAX: 432-3059 <u>www.m2inc.com</u> Email: <u>sales@m2inc.com</u>

## **HELICAL 170-230-5 PARTS & HARDWARE**

DESCRIPTION	
HELIX & BOOM ASSEMBLY	1
FEED BLOCK ASSEMBLY	1
FEED SUPPORT BLOCK	
GROUND PLANE CENTER	
GROUND PLANE HALF	
G-PLANE CLAMP (R. 0.750)	1
LD CRADLE. 1.5"	1
BOOM TO MAST PLATE, 3/16" X 4" X 6", (M2APT0022)	1
FEED CAPACITOR ASSEMBLY (FACTORY TUNED)	1
COUNTER BALANCE WEIGHT	
U-BOLT & CRADLE, 2.0"	
U-BOLT & CRADLE, 1.5"	
ASSEMBLY MANUAL	1
HARDWARE:	
LOCKWASHER, 5/16", SS	8
NUT, 5/16-18, SS	
BOLT, 1/4-20 X 4-1/2", SS	2
BOLT, 1/4-20 X 2-3/4", SS	
BOLT,1/4-20 X 1-1/4", SS	
BOLT, 1/4-20 X 3/4", SS	
SET SCREW, 1/4-20 X 1/4", SS	5
FLATWASHER,1/4,SS	
LOCKNUT, 1/4-20, SS	
SCREW, 8-32 X 1-1/2", SS	
SCREW, 8-32 X 1/2", SS	
LOCKNUT, 8-32, SS	
ALLEN HEAD WRENCH 1/8"	1

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