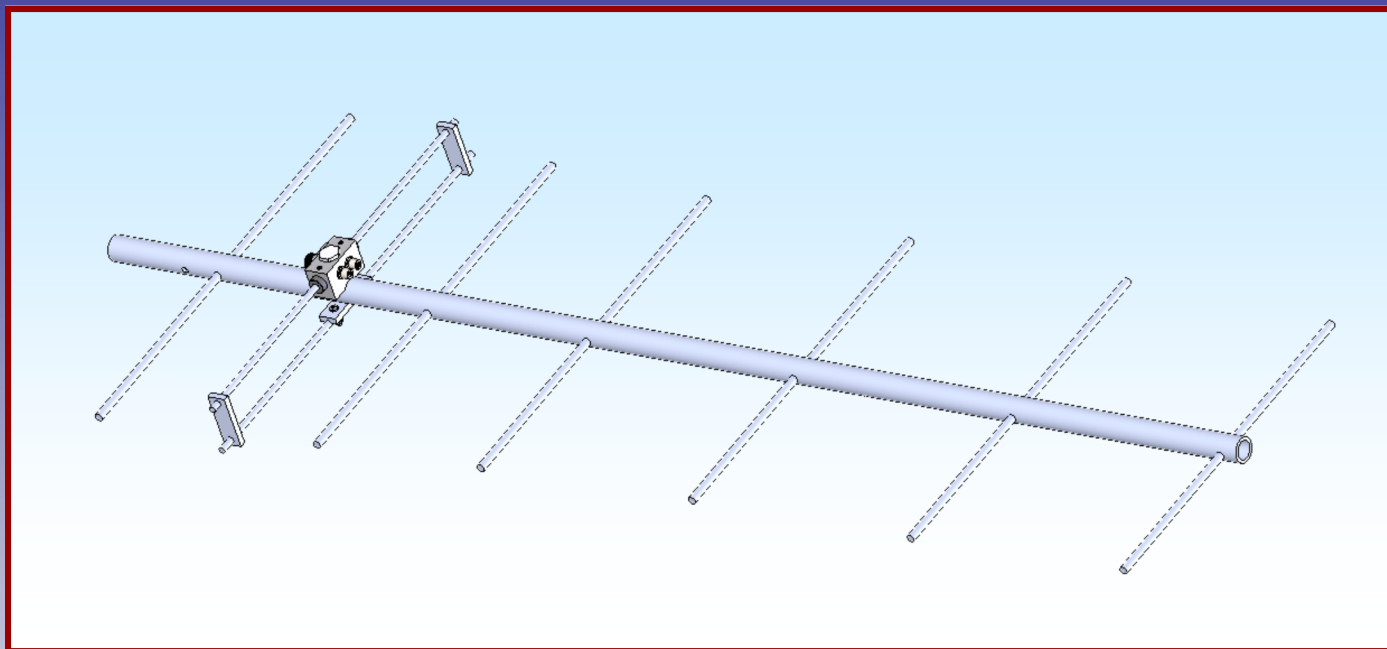




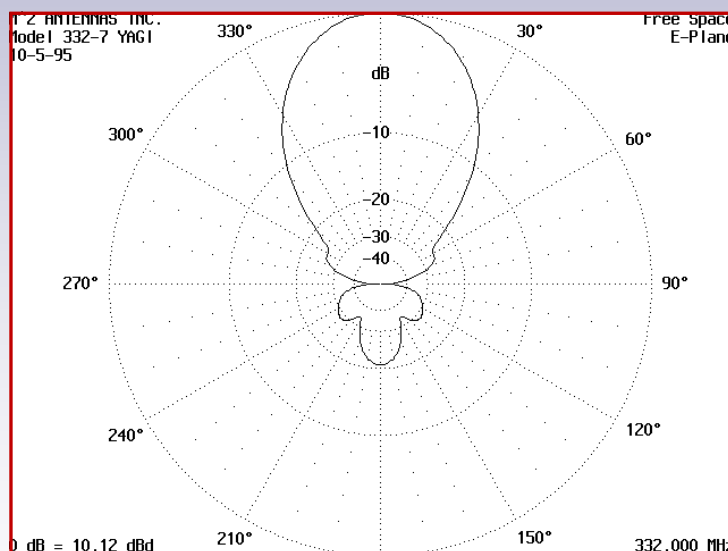
M2 Antenna Systems, Inc.

Model No: 332-7HD



SPECIFICATIONS:

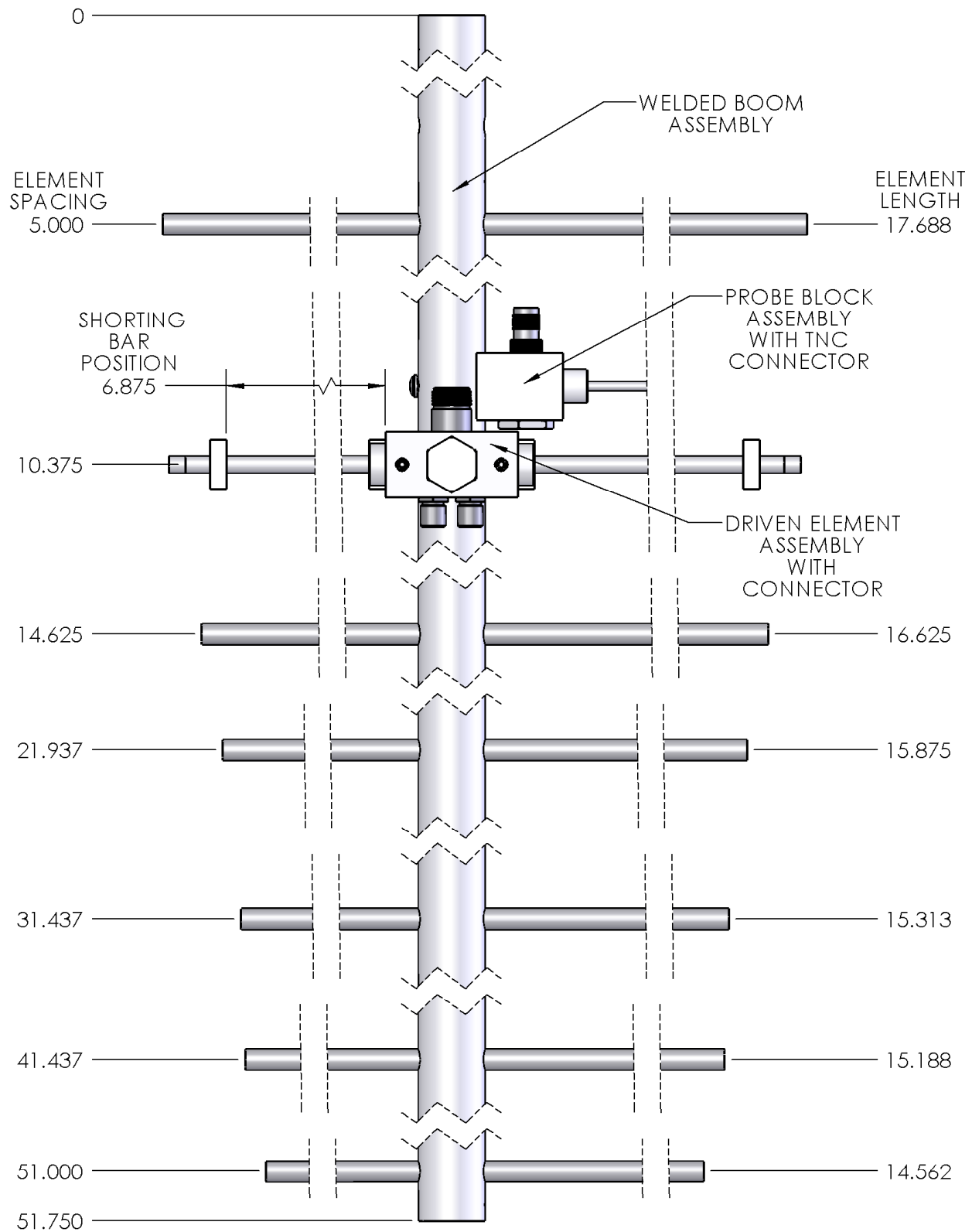
Model	332-7HD
Frequency Range	329 To 335 MHz
*Gain	10 dBd
Front to back	21 dB Typical
Beamwidth	E=44° H=52°
Impedance	50 Ohms
Maximum VSWR	1.2:1
Input Connector	"N" FEMALE
Power Handling	1500 Watts
Boom Length / Dia	47.75' / 1" X 0.125"
Maximum Element Length	17-3/4"
Mast Size	1-1/2" to 2" Nom.
Wind area / Survival	0.4 Sq. Ft. / 75 MPH
Weight / Ship Wt.	3 Lbs. / 4 Lbs.



FEATURES:

The computer optimized 332-7HD features nearly flat gain and VSWR across the bandwidth. The 5/16" rod parasitic elements are welded to the 0.125 wall boom for mechanical strength and lightning protection. The Driven Element Module has superior weather resistance and power handling abilities: all connectors are O-ring sealed to the CNC machined block and internal connections are sealed in a silicone gel with excellent dielectric characteristics. The Balun connectors are triple sealed and other key mechanical and electrical parts are CNC machined from 6061-T6 aluminum. All hardware is stainless steel. A rear-mounted version is also available. Anodized finish or other coatings are optional.

332-7HD ASSEMBLY MANUAL



332-7HD PARTS LIST

DESCRIPTION.....	QTY
BOOM ASSEMBLY, (WELDED)	1
DRIVEN ELEMENT ASSEMBLY	1
BALUN ASSEMBLY (RG-6)	1
PROB ASSEMBLY.....	1
FEED ROD, 1/4 X 8.375	2
SHORTING BARS	2
ELEMENT MOUNT BRACKET	1
SCREW, 8-32 X 1.5 SS	1
SCREW, 8-32 X 1.250 SS	1
SCREW, 8-32 X .750 SS	2
SET SCREW, 8-32 X 3/16 SS	4
LOCKING NUT, 8-32 SS.....	2
NYLON TIES (LARGE)	2

ALL PARTS FACTORY ASSEMBLED

M² ANTENNA SYSTEMS, INC.

4402 N. Selland Ave.

FRESNO, CA 93722

(559) 432-8873 FAX: 432-3059

www.m2inc.com Email: sales@m2inc.com

332-7HD 2 BAY SYSTEM PARTS LIST

DESCRIPTION	QTY
332-7HD ANTENNA REAR MOUNT	2
REAR BOOM CLAMP, 2" X 1"	2
SPREADER TUBE, 2.0 X.065 X 44"	1
MAST CLAMP, 2" X 2"	1
POWER DIVIDER, 2 PORT 332 MHZ	1
PHASE LINE, LMR-400 X 34"	2

ALL PARTS FACTORY ASSEMBLED

M² ANTENNA SYSTEMS, INC.

4402 N. Selland Ave.

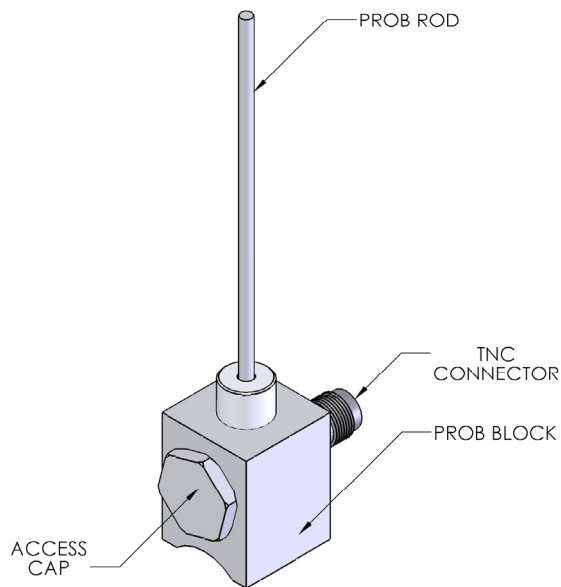
FRESNO, CA 93722

(559) 432-8873 FAX: 432-3059

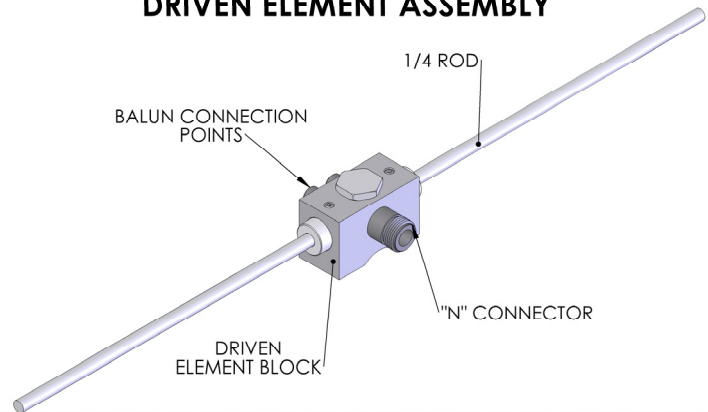
www.m2inc.com Email: sales@m2inc.com

332-7HD SUB ASSEMBLIES

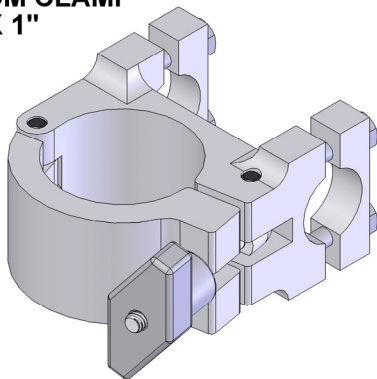
PROB ASSEMBLY



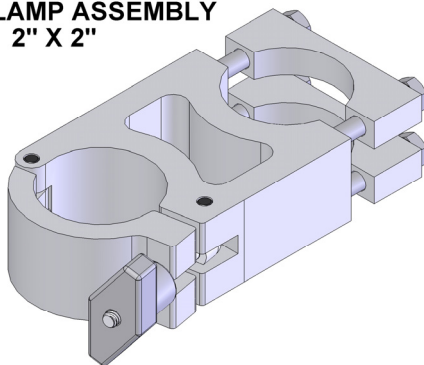
DRIVEN ELEMENT ASSEMBLY



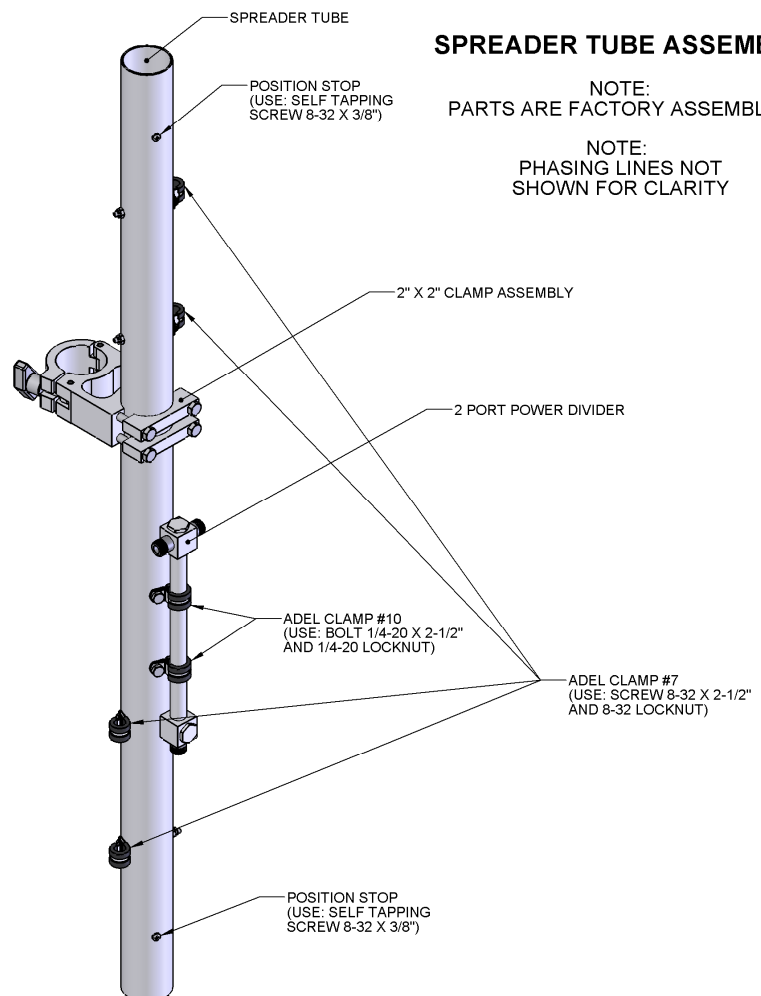
REAR BOOM CLAMP 2" X 1"



MAST CLAMP ASSEMBLY 2" X 2"



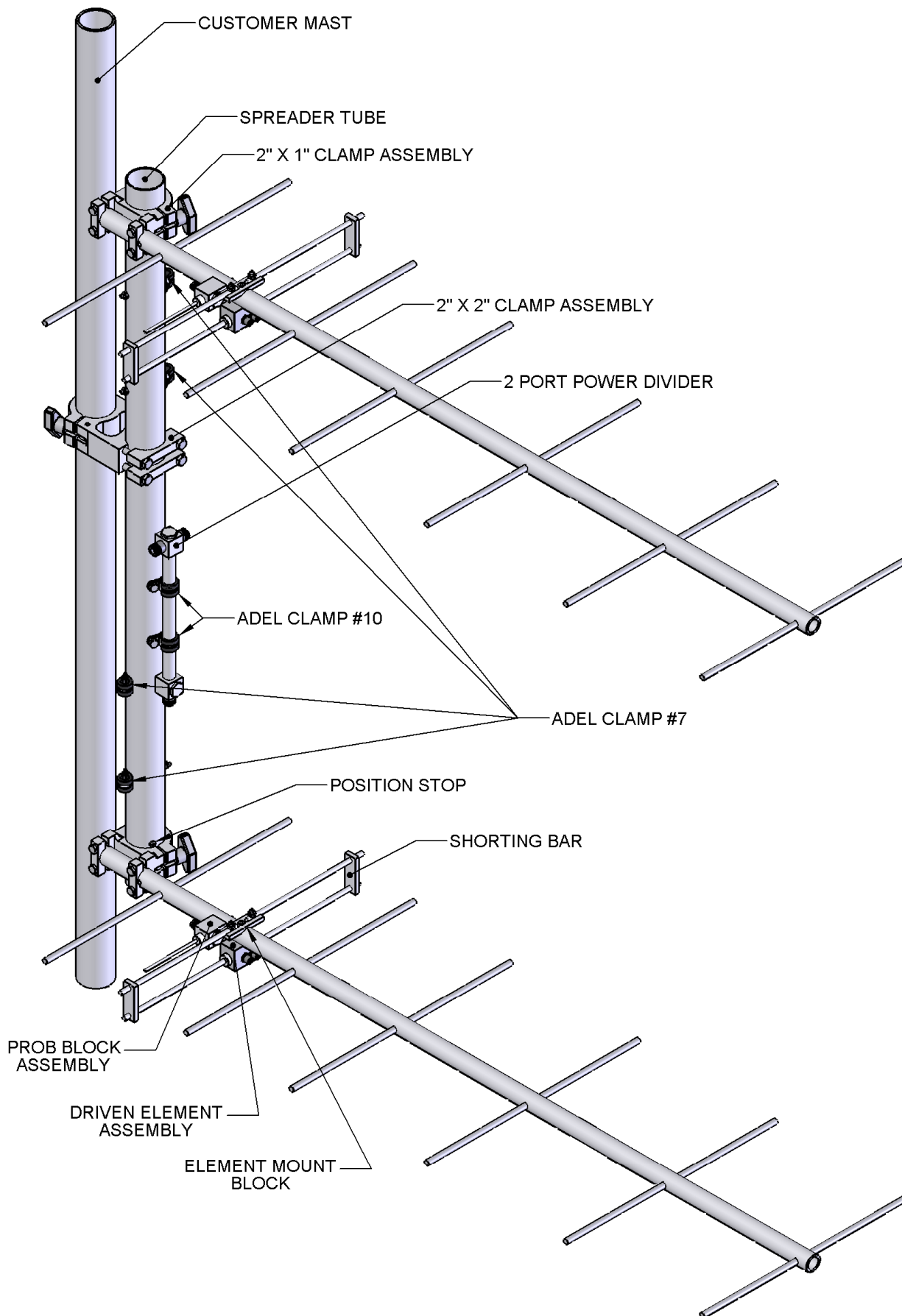
SPREADER TUBE ASSEMBLY



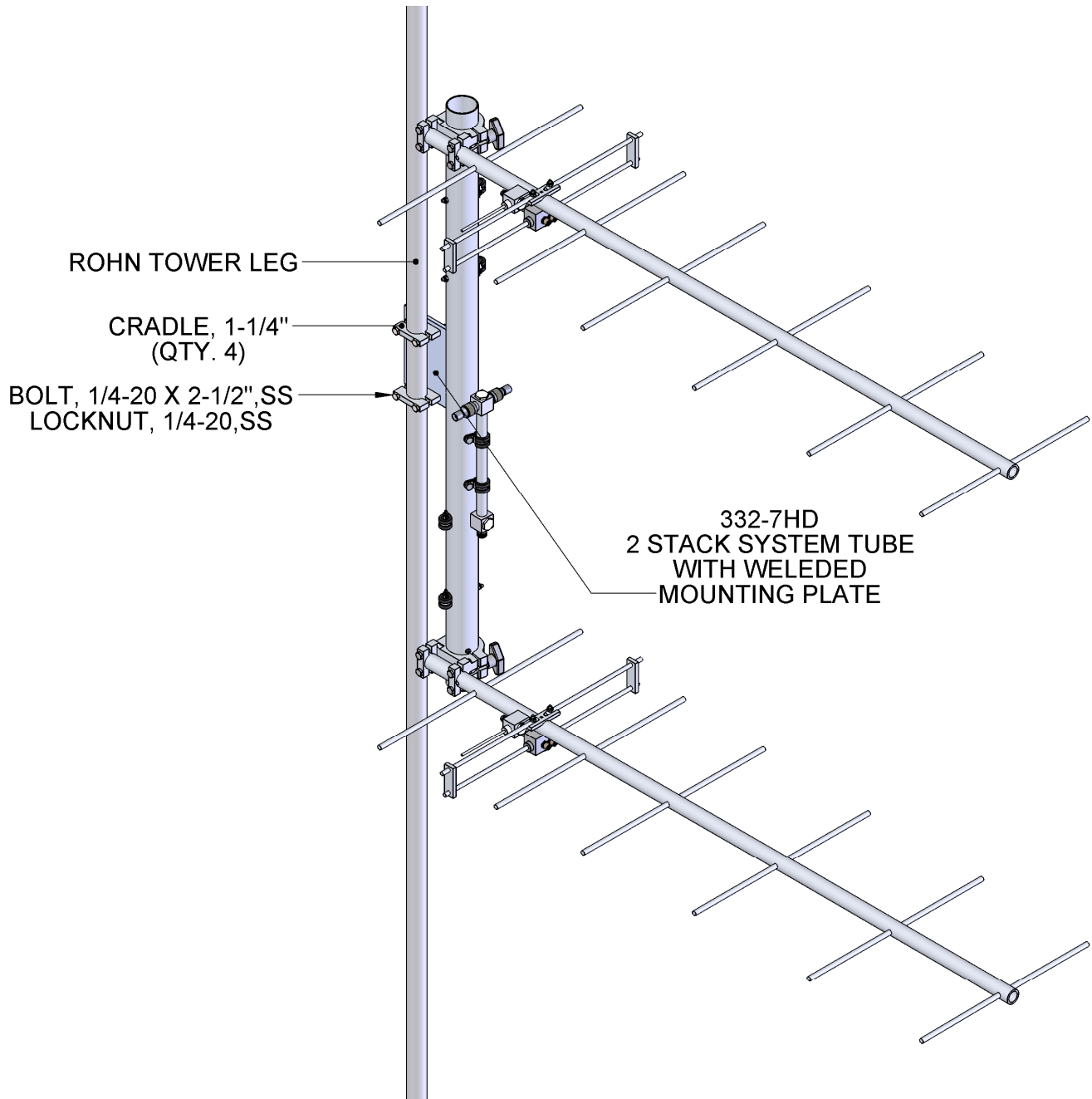
NOTE:
PARTS ARE FACTORY ASSEMBLED

NOTE:
PHASING LINES NOT
SHOWN FOR CLARITY

332-7HD 2 BAY ARRAY ASSEMBLY



332-7HD 2 BAY RHON TOWER OPTION



DESCRIPTION.....	QTY
332-7HD STACK TUBE WITH WELEDED PLATE	1
MACHINED CRADLE, 1-1/4" (M2AMC0122).....	4
BOLT, 1/4-20 X 2-1/2",SS	4
LOCKNUT, 1/4-20,SS	4