

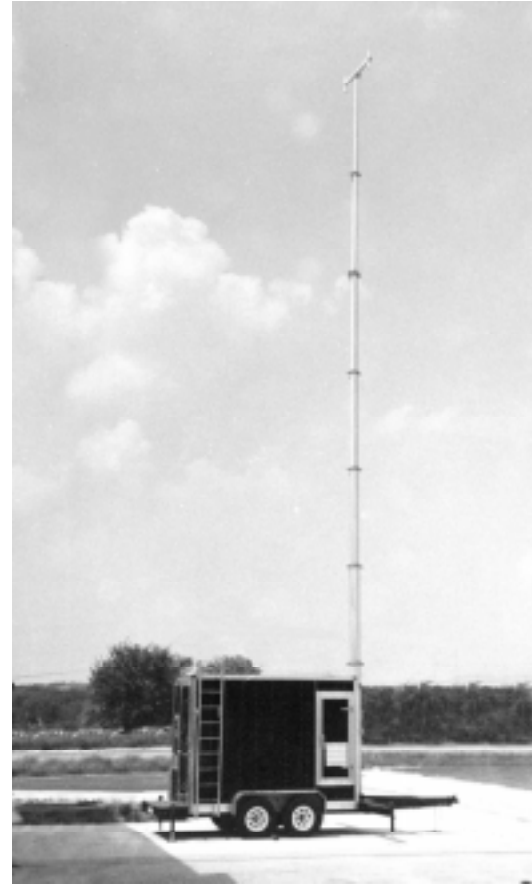
# Heavy Duty MASTS-LOCKING

When a mast deployment is needed for extended periods (more than a day), turn to Will-Burt's Heavy Duty Locking version. Available in six standard models up to 134 feet, these vehicle or trailer mounted, non-rotatable masts feature locking collars that allow the mast to remain extended indefinitely without air pressure.

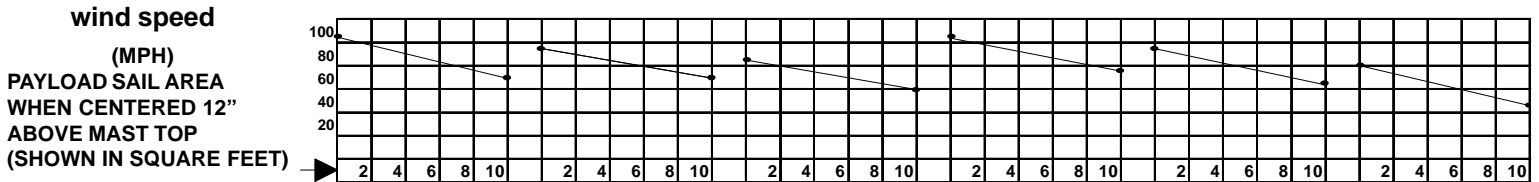
Models up to 60 feet are normally vehicle mounted so guylines are optional, over 60 feet are field guyed.

- RUGGED CONSTRUCTION OF HIGH STRENGTH HEAT TREATED ALUMINUM TUBES AND COLLARS WITH LOW FRICTION SYNTHETIC BEARINGS FOR LONG, DEPENDABLE LIFE.
- TWO FULL LENGTH EXTERNAL KEYS ON MAST SECTIONS, AND THE COLLARS HAVE MATCHING MACHINED KEYWAYS WHICH MAINTAIN DIRECTIONAL AZIMUTH.
- THE BUMPERS ARE DESIGNED TO REDUCE SHOCK ON EXTENSION AND RETRACTION.
- LOCKING COLLARS ALLOW THE MAST TO REMAIN EXTENDED INDEFINITELY WITHOUT AIR PRESSURE.
- ALL EXTERIOR ALUMINUM SURFACES ARE ANODIZED AND SEALED FOR LONG LIFE, AND THE FASTENERS AND FITTINGS ARE PLATED STEEL OR STAINLESS STEEL FOR CORROSION RESISTANCE.
- PAYLOAD CAPACITIES UP TO 200 LBS.
- CUSTOM MODELS CAN BE DESIGNED AND MANUFACTURED FOR PAYLOADS UP TO 600 LBS. OR FOR OTHER RETRACTED AND EXTENDED HEIGHTS. CONSULT FACTORY.

- **SUGGESTED APPLICATIONS:**  
 TEMPORARY CELL SITES  
 CELL SITE TESTING  
 MILITARY COMMUNICATIONS VEHICLES  
 MOBILE RADAR SYSTEMS



MODEL NAME	7-30	7-42	9-60	14.5-80	17-100	20-134
PAYLOAD CAPACITY	150 LBS (68 kg)	150 LBS(68kg)	150 LBS(68kg)	225 LBS(102kg)	200 LBS(91kg)	150 LBS(68kg)
EXTENDED HEIGHT	29' 8.86m	41'-2" 12.6m	60' 18.3m	79'-9" 24.3m	99' 30.4m	133'-9" 40.8m
NESTED HEIGHT	7' 2100mm	7'-9" 2325mm	9'-4" 2800mm	14'-6" 4350mm	47'-2" 5150mm	20'-2" 6050mm
MAST WEIGHT*	115 LBS.	235 LBS.	300 LBS.	416 LBS.	480 LBS.	600 LBS.
NUMBER OF SECTIONS	6	9	9	7	7	8*
TUBE DIAMETER RANGE	6.75" -3"	9" - 3"	9" - 3"	9" -4.5"	9" -4.5"	9" -3.75"
AVERAGE WALL THICKNESS	.156"	.156"	.156"	.156"	.156"	.156"
MAST DISPLACEMENT	3.14 CU.FT.	7.23 CU. FT.	9.4 CU. FT.	17.5 CU. FT.	21.8 CU. FT.	27.1 CU. FT.
COLLAR TYPE	LOCKING	LOCKING	LOCKING	LOCKING	LOCKING	LOCKING
GUYING REQUIRED	N/R**	N/R**	N/R**	4 WAY/4 LEVEL	4 WAY/4 LEVEL	4 WAY/5 LEVEL
MAXIMUM OPERATING PRESSURE	35 PSIG	35 PSIG	35 PSIG	35 PSIG	35 PSIG	35 PSIG



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. CUSTOM DESIGNED MODELS FOR OTHER HEIGHT AND WEIGHT REQUIREMENTS ARE AVAILABLE.

## STANDARD EQUIPMENT

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|---|--|
| <ul style="list-style-type: none"> <li>Antenna platform adapter</li> <li>Locking collars with T-handles for 7-30, 7-42, and 9-60</li> <li>Locking collars with color coded tripline assemblies for 14.5-80, 17-100, 20-134</li> <li>Ground mount base plate and bubble level (optional on masts not requiring guylines: 7-30, 7-42, and 9-60)</li> <li>*Mast weight includes the mast and non-rotatable base plate only.</li> </ul> | <ul style="list-style-type: none"> <li>Drive Anchors, drivers and synthetic guylines with take-ups (optional on 7-30, 7-42 and 9-60 model)</li> <li>Cable guides (optional on non-guyed models)</li> <li>Canvas Top cover</li> <li>On-site factory training for trailer/mast assemblies</li> <li>Operation/maintenance instruction manual</li> <li>Shipping crate</li> </ul> |
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## OPTIONAL EQUIPMENT

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|---|---|
| <ul style="list-style-type: none"> <li>Top mountings: extension stub or custom interfaces</li> <li>Locking collars with T-handle assemblies or custom interfaces</li> </ul> | <ul style="list-style-type: none"> <li>Locking collars with color codes trip lines</li> <li>Locking collars with lock defeat mechanism</li> <li>Ground mount base plate and bubble level for 7-30, 7-42 and 9-60</li> </ul> |
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## DISTRIBUTED BY:

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