

# Heavy Duty Masts

## Non-Locking

With extended antenna heights of up to 58 feet (18 m), Will-Burt's non-locking Heavy Duty Mast is ideal for surveillance, electronic news gathering and elevated testing. The pneumatic mast is a series of graduated extruded tubes, assembled to nest one inside another. It can be retracted to its compact height of less than 10 feet (3 m) and quickly extended in minutes to its free standing height.

- **FREE STANDING UNIT, SO GUYLINES ARE NOT NEEDED.**
- **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.**
- **EACH TUBE AND COLLAR IS PROTECTED BY LOW FRICTION SYNTHETIC BEARINGS FOR SMOOTH OPERATION AND LONG LIFE.**
- **THE BUMPERS ARE DESIGNED TO REDUCE SHOCK ON EXTENSION AND RETRACTION.**
- **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.**
- **CUSTOM MODELS CAN BE DESIGNED AND MANUFACTURED FOR PAYLOADS UP TO 600 LB. (275 KG) OR FOR OTHER RETRACTED AND EXTENDED HEIGHTS. CONSULT FACTORY.**
- **SUGGESTED APPLICATIONS**
  - Surveillance
  - Elevated Testing
  - ENG
  - Wireless Cable Testing



TELESCOPING MASTS

SHEET 202



# Heavy Duty Non-Locking Masts

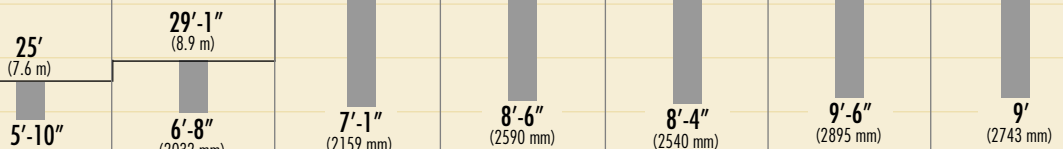
## MODEL

**6-25      7-30      7-42      8.5-48      8.5-52      9.5-56      9-58**

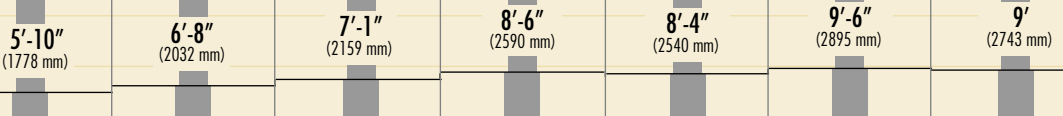
### PAYLOAD CAPACITY

**150 lb (68 kg)      150 lb (68 kg)      150 lb (68 kg)      170 lb (77 kg)      100 lb (45 kg)      170 lb (77 kg)      90 lb (41 kg)**

### EXTENDED HEIGHT



### NESTED HEIGHT



### MAST WEIGHT\*

110 lb (50 kg)      125 lb (57 kg)      235 lb (107 kg)      275 lb (125 kg)      275 lb (125 kg)      300 lb (136 kg)      290 lb (132 kg)

### NUMBER OF SECTIONS

6      6      9      8      9      8      9

### TUBE DIAMETER RANGE

6.75"-3" (171-76 mm)      6.75"-3" (171-76 mm)      9"-3" (229-76 mm)      9"-3.75" (229-95 mm)      9"-3" (229-76 mm)      9"-3.75" (229-95 mm)      9"-3" (229-76 mm)

### AVERAGE WALL THICKNESS

.156" (4 mm)      .156" (4 mm)      .156" (4 mm)      .156" (4 mm)      .156" (4 mm)      .156" (4 mm)      .156" (4 mm)

### MAST DISPLACEMENT

2.7 cu. ft. (76 l)      3.2 cu. ft. (91 l)      7.2 cu. ft. (204 l)      9.5 cu. ft. (269 l)      9.31 cu. ft. (264 l)      11 cu. ft. (312 l)      10.5 cu. ft. (297 l)

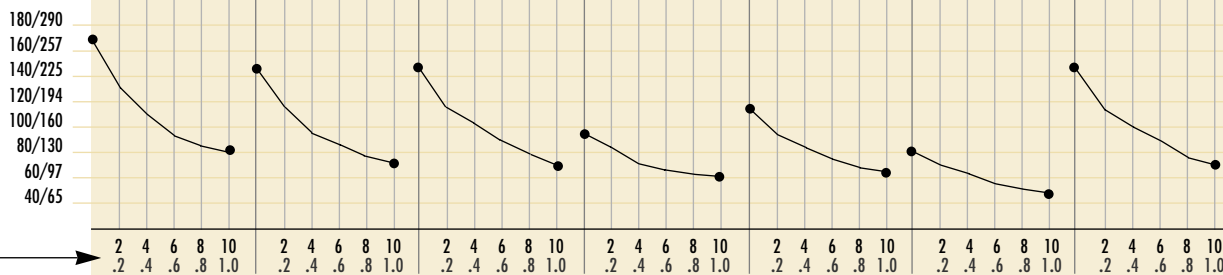
### COLLAR TYPE

NON-LOCKING      NON-LOCKING      NON-LOCKING      NON-LOCKING      NON-LOCKING      NON-LOCKING      NON-LOCKING

### MAXIMUM OPERATING PRESSURE

35 PSIG (2.4 bar)      35 PSIG (2.4 bar)      35 PSIG (2.4 bar)      35 PSIG (2.4 bar)      35 PSIG (2.4 bar)      35 PSIG (2.4 bar)      35 PSIG (2.4 bar)

### WIND SPEED (mph/kph)



CIRCULAR PAYLOAD AREA WITH BASE 6" (150 mm) ABOVE MAST TOP  
SHOWN IN SQUARE FEET  
SHOWN IN SQUARE METERS

### STANDARD EQUIPMENT

- Internal roof mounting hardware
- Base plate is non-rotatable
- Antenna platform adapter
- Magnetic mast extension warning light kit
- Operation/maintenance instruction manual
- Hazard warning labels
- Shipping crate

### OPTIONAL EQUIPMENT

- Rotatable base plate and turning handles
- Mounting for external installation
- Top mountings: extension stub or custom interfaces
- Lukon 24 mast finish
- Black anodize finish
- Canvas top cover
- Close azimuth design

\*Mast weight includes the mast and non-rotatable base plate only.

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.**

**CUSTOM DESIGNED MODELS FOR OTHER HEIGHT AND WEIGHT REQUIREMENTS ARE AVAILABLE.**