



**With extended antenna heights of up to 56 ft (17 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 extended tubes, assembled to nest inside one another. It can be retracted to its compact height of less than 10 ft. (3 m) and quickly extended in minutes to its free-standing height.**



**ENG**  
**Elevated Testing**  
**Surveillance**  
**Wireless Cable Testing**

Free-standing unit, so guylines are not needed.

Constructed 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, with matching machined keyways on collars, maintaining directional azimuth.

Each tube and collar is protected by low friction synthetic bearings for smooth operation and long life.

All exterior aluminum surfaces are anodized and sealed for long life, fasteners are stainless steel for corrosion resistance.

Custom models can be designed or manufactured for payloads up to 600 lb (275 kg) or for other retracted and extended heights. Consult factory.

#### **Standard Equipment**

- Internal roof mounting hardware
- Non-rotatable base plate
- Platform adapter
- Magnetic mast extension warning light kit
- Installation & operation manual
- ANSI/ISO CE Certified hazard labels
- Shipping crate

#### **Optional Equipment**

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



## HEAVY DUTY MASTS NON-LOCKING

	Payload Capacity	Extended Height	Nested Height	Approx. Mast Weight	No. of Sections	Tube Diameter Range	Collar Type	Max. Operating Pressure	SURVIVAL WIND SPEED UNGUYED*	Circular payload area with base 6" (150 mm) above mast top. Shown in Sq. Ft./ Sq. m
									21/2 41/4 61/6 81/7 101/9	
6-25	150 lb (68 kg)	25' (7.6 m)	5' 10" (1.8 m)	110 lb (50 kg)	6	6.75-3" (171-76 mm)	Non-locking	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	
7-30	150 lb (68 kg)	29' 1" (8.9 m)	6' 8" (2 m)	125 lb (57 kg)	6	6.75-3" (171-76 mm)	Non-locking	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	
7-42	150 lb (68 kg)	41' 2" (12.5 m)	7' 1" (2.1 m)	235 lb (107 kg)	9	9-3" (229-76 mm)	Non-locking	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	
8.5-48	200 lb (90 kg)	48' (14.6 m)	8' 6" (2.6 m)	275 lb (125 kg)	8	9-3.75" (229-95 mm)	Non-locking	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	
8.5-52	100 lb (45 kg)	52' (15.8 m)	8' 4" (2.5 m)	266 lb (121 kg)	9	9-3" (229-76 mm)	Non-locking	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	
9.5-56	200 lb (90 kg)	56' 2" (17 m)	9' 6" (2.9 m)	296 lb (135 kg)	8	9-3.75" (229-95 mm)	Non-locking	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	

\* Unguyed survival wind speeds are for reference only. Consult factory for specific survival and wind speed guidelines based on your requirements.

### Suggested System Components

- Pneumatic Systems
- Nycoil® Cable Conduit
- D-Tec® AC Field Detection System
- Lukon 24 Mast Finish

Dimensions and specifications provided in catalog or on willburt.com are for reference only and are not intended for vehicle design purposes. Specifications subject to change without notice.