



*Temporary Cell Sites  
Military Communications  
Mobile Radar Systems  
Wind Energy Generation*

**When heavy payloads and/or large sail areas are necessary, Will-Burt's Super Heavy Duty Locking mast is the answer. Available in five standard models up to 164 ft (50 m), these vehicle or trailer mounted mast feature locking collars that allow the mast to remain extended indefinitely without air pressure. Guying is optional. Custom heights and payloads up to 1,200 lb (545 kg) are available.**



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.

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, fasteners are stainless steel for corrosion resistance.

Payload capacities up to 1,200 lb (545 kg).

Custom models can be designed and manufactured for other retracted and extended heights. Consult factory.

#### **Standard Equipment**

- Clear anodize finish
- Non-rotatable base
- Upper support bracket
- Platform adapter
- Installation & operation manual
- ANSI/ISO CE Certified hazard labels
- Shipping Crate
- Canvas Top Cover

#### **Optional Equipment**

- Internal roof mounting hardware
- Custom top interfaces
- Lukon 24 & other finishes available
- Rotatable base
- Close azimuth design
- Guying



## SUPER HEAVY DUTY MASTS 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
									2/2 4/4 6/6 8/7 10/9	
9-50	450 lb (205 kg)	50' 5" (15.3 m)	9' 2" (2.8 m)	500 lb (227 kg)	8	11.25-5.25" (288-135 mm)	Locking T Handles	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/64	
10.3-60	450 lb (205 kg)	60' 5" (18.3 m)	10' 3" (3.15 m)	500 lb (227 kg)	8	11.25-5.25" (288-135 mm)	Locking T Handles	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/64	
10.8-76	200 lb (91 kg)	76' 2" (23 m)	10' 9" (3.3 m)	536 lb (245 kg)	10	11.25-3.75" (288-96 mm)	Locking T Handles	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/64	
15.7-100	450 lb (205 kg)	100' (30.3 m)	15' 8" (4.8 m)	790 lb (361 kg)	8	11.25-5.25" (288-135 mm)	Locking T Handles Trip Lines	35 PSIG (2.4 bar)	Guylines Required	
22.5-164	100 lb (45 kg)	164' (50 m)	22.6' (6.8 m)	1150 lb (521 kg)	10	11.25-3.75" (288-96 mm)	Locking T Handles Trip Lines	35 PSIG (2.4 bar)	Guylines Required	

\* 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
- Cable Guides for Cable Management
- 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.