



*Temporary Cell Sites
Cell Site Testing
Military Communications
Mobile Radar Systems*

When a mast deployment is needed for extended periods, turn to Will-Burt's Heavy Duty Locking mast. Available in six standard models up to 134 ft (40 m), these vehicle or trailer mounted masts feature locking collars that allow the mast to remain extended indefinitely without air pressure. Models up to 60 ft (18 m) can be vehicle mounted so guylines are optional – over 60 ft are field guyed and are non-rotatable.

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 300 lb (136 kg).

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

Standard Equipment

- Platform adapter
- Locking collars with T Handles*
- Locking collars with color-coded tripline assemblies (14.5-80, 17-100, 20-134)
- Ground mount base plate & bubble level**
- Drive anchors, drivers & synthetic guidelines with take-ups**
- Cable guides**
- Canvas top cover
- Choice of mounting hardware
- On-site factory training for trailer/mast assemblies
- Installation & operation manual
- Shipping crate

Optional Equipment

- Top mountings: extension stub or custom interfaces
- Locking collars with T Handle assemblies
- 2, 3 & 4 level guying*
- Locking collars with color coded trip lines and lock defeat mechanism
- Ground mount base plate & bubble level*
- Close azimuth design
- Lukon 24 & other finishes available
- Cable guides*

* Applies to models 7-30, 7-42 and 10-60 only.

** Applies to models 14.5-80, 17-100 and 20-134 only.





HEAVY DUTY MASTS LOCKING

	Payload Capacity	Extended Height	Nested Height	Approx. Mast Weight	No. of Sections	Tube Diameter Range	Collar Type	Guying Required	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	
7-30	150 lb (68 kg)	29' 1" (8.9 m)	7' (2.1 m)	125 lb (57 kg)	6	6.75-3" (171-76 mm)	Locking T Handles	NR*	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	
7-42	150 lb (68 kg)	41' 3" (12.6 m)	7' 9" (2.3 m)	235 lb (107 kg)	9	9-3" (229-76 mm)	Locking T Handles	NR*	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	
10-60	200 lb (91 kg)	60' 5" (18.5 m)	10' 1" (3 m)	330 lb (150 kg)	8	9-3.75" (229-95 mm)	Locking T Handles	NR*	35 PSIG (2.4 bar)	120/194 100/160 80/130 60/97 40/65	
14.5-80	225 lb (102 kg)	79' 9" (24.3 m)	14' 3" (4.3 m)	416 lb (189 kg)	7	9-4.5" (229-114 mm)	Locking T Handles	4 Way 4 Level	35 PSIG (2.4 bar)		Guylines Required
17-100	200 lb (90 kg)	99' 9" (30.4 m)	17' 2" (5.2 m)	480 lb (218 kg)	7	9-4.5" (229-114 mm)	Locking Triplines	4 Way 4 Level	35 PSIG (2.4 bar)		Guylines Required
20-134	150 lb (68 kg)	133' 9" (40.8 m)	20' 2" (6.1 m)	600 lb (273 kg)	8	9-3.75" (229-95 mm)	Locking Triplines	4 Way 5 Level	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.