



Emergency Vehicle Communications
Radio Remote Broadcasting
Surveillance
Elevated Testing
Seismic Testing
Meteorological Instruments

Will-Burt's Standard Duty Masts are pneumatic and used to support a variety of lightweight antennas at up to 34 ft (10.3 m). The mast is a series of graduated extruded aluminum tubes that nest one inside another.



Free-standing unit so guylines are not needed.

Constructed of high strength, heat-treated aluminum tubes and collars 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.

The bumpers are designed to reduce shock on extension and retraction.

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

Standard Equipment

- Internal roof mounting hardware
- Non-rotatable base plate
- Antenna extension stub
- 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: platform adapter or custom interfaces
- Lukon 24 & other finishes available
- Black anodized finish
- Canvas top cover



STANDARD DUTY MASTS

	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	
5-20	70 lb (32 kg)	20' (6.1 m)	5' 4" (1.6 m)	45 lb (21 kg)	6	5-2.5" (127-64 mm)	Non-locking	20 PSIG (1.4 bar)	120/194 100/130 80/130 60/97 40/65	
6-27	40 lb (18 kg)	26' 10" (8.2 m)	6' 0" (1.8 m)	54 lb (25 kg)	7	5-2" (127-51 mm)	Non-locking	20 PSIG (1.4 bar)	120/194 100/130 80/130 60/97 40/65	
7-34	40 lb (18 kg)	33' 10" (10.3 m)	7' 0" (2.1 m)	67 lb (31 kg)	7	5-2" (127-51 mm)	Non-locking	20 PSIG (1.4 bar)	120/194 100/130 80/130 60/97 40/65	
8-30	100 lb (45 kg)	29' 11" (9.1 m)	8' 0" (2.4 m)	64 lb (29 kg)	5	5-3" (127-76 mm)	Non-locking	20 PSIG (1.4 bar)	120/194 100/130 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.