

pneumatic masts

8.0 meter Heavy Duty Locking Mast 1.8-8.0M HDL



Will-Burt's locking pneumatic masts are ideal for military communications, elevated testing and mobile radar applications. When a mast deployment is needed for extended periods, locking collars allow the mast to remain extended indefinitely without air pressure. All pneumatic telescoping masts are constructed of high-strength heat treated 6061-T6 aluminum tubes. Collars have low friction synthetic bearings for long, dependable life. All pneumatic masts can be either vehicle or trailer mounted.

Features:

Two full-length external keys on mast sections with matching machined keyways on collars

- Maintains directional azimuth and antenna pointing accuracy
- Reduced azimuth twist less than 1°

Low friction synthetic bearings

- Protects mast sections and collars for smooth operation and long life

Mechanical locking collars

- Spring-loaded latch-pin Mechanical lock with ergonomic T-handle for easy & safe operation
- Supports high wind loading and guying forces

Black Hardcoat mast finish

- Meets salt fog test requirement of MIL-STD-810F method 509.4
- Meets MIL-A-8625, Type III, Class standard
- Extends life of mast and protects against salt fog corrosion

External wiper bumpers

- Meets sand and dust test requirements of MIL-STD-810F method 510.4
- Absorbs shock during retraction

Other features

- allows extension and retraction on a slope up to 10° with payload
- can be extended by hand pump in case of power failure

8m Mast specifications:

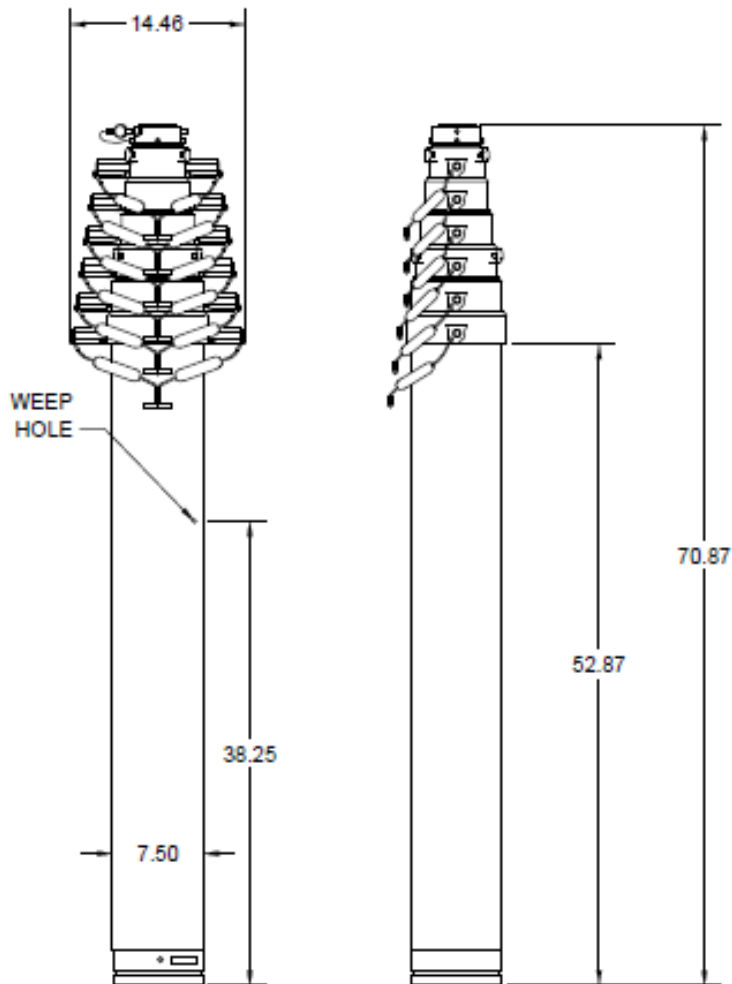
Nested height	1.80m
Extended height	8.0m
Payload Capacity	70kg
Self Weight	≤ 53kg
No. of Sections	7
Tube Diameter Range	3.00-7.00"/76 - 191 mm
Max. Operating Pressure	35 PSIG (2.4 bar)
Collar Type	Locking with T-handle
Survival wind speed with 0.34 sqm Sail Area	126km/h (Unguyed) 164 km/h (Guyed)
Wind Deflection with 0.34 sqm Sail Area without guying	0.64 degree at 17.1 m/s



Specifications subject to change without notice. Specifications to be used as guidelines only. Please consult factory for a customized analysis based on your specifications. Please refer to www.willburt.com for the most current specifications and drawings.

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Compressor specifications:

Power consumption	550W, 3/4 HP
Operational Pressure	2.4 Bar, 35 Psi
Air Flow at 2.4 Bar	≥ 100 L/min
Noise Level	43 dBa
Air Tank size	4 Liters
Dimension	515 x 199 x 472 mm
Self Weight	25kg
Voltage	110VAC, 60Hz or 220VAC, 50Hz
IP Rating	IP54



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