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:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested height</td>
<td>1.80m</td>
</tr>
<tr>
<td>Extended height</td>
<td>8.0m</td>
</tr>
<tr>
<td>Payload Capacity</td>
<td>70kg</td>
</tr>
<tr>
<td>Self Weight</td>
<td>≤ 53kg</td>
</tr>
<tr>
<td>No. of Sections</td>
<td>7</td>
</tr>
<tr>
<td>Tube Diameter Range</td>
<td>3.00-7.00&quot;/76 - 191 mm</td>
</tr>
<tr>
<td>Max. Operating Pressure</td>
<td>35 PSIG (2.4 bar)</td>
</tr>
<tr>
<td>Collar Type</td>
<td>Locking with T-handle</td>
</tr>
<tr>
<td>Survival wind speed</td>
<td>126km/h (Unguyed)</td>
</tr>
<tr>
<td>Sail Area</td>
<td>164 km/h (Guyed)</td>
</tr>
<tr>
<td>Wind Deflection</td>
<td>0.64 degree at 17.1 m/s</td>
</tr>
</tbody>
</table>

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](http://www.willburt.com) for the most current specifications and drawings.
pneumatic masts

8.0 meter Heavy Duty Locking Mast 1.8-8.0M HDL

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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