MILITARY ELEVATION SOLUTIONS AND TACTICAL TRAILERS
The Will-Burt Company, along with its subsidiaries GEROH and ITS, offer a broad selection of mobile telescopic masts, lattice towers and accessories to elevate a variety of mission critical payloads. Each family of elevation solutions is designed and manufactured with a unique set of characteristics tuned to optimize payload performance and meet the most stringent performance criteria. High performance tactical trailers round out the military offerings of The Will-Burt Company.

The ability of Will-Burt to deliver superior elevation solutions is attributed to its worldwide leadership in the industry for over 30 years. Teams of experienced research and development engineers, design engineers and ISO 9001:2008 quality systems certified manufacturing experts are backed by a sales and marketing support structure focused on delivering the correct customer solution on time, every time.

Whether your program requires a commercial off-the-shelf solution or a highly engineered customized product, The Will-Burt Company has the experience, design know-how and manufacturing capabilities to meet your unique requirements.

THE ADVANTAGES OF THE WILL-BURT COMPANY

- Worldwide elevation leader for over 30 years
- Wide array of elevation products designed for specific missions
- ISO 9001:2008 quality systems certified manufacturing
- Innovative custom solutions designed by experienced engineers
- Superior customer support
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<td>SNAP DRAGON</td>
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<td>MOBILE LATTICE TOWERS AND MAST SYSTEMS</td>
<td>17-18</td>
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<td>19</td>
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<td>TRANSPORT</td>
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Stiletto™ High performance composite telescoping mast

The revolutionary Will-Burt Stiletto carbon fiber composite, electro-mechanical mast features the best combination of high strength, low weight and great stability in the industry. With its low nested height and small space claim, Stiletto is the lightweight mobile solution for applications requiring rapid automatic deployment, maximum reliability and high directional pointing accuracy.

- High pointing accuracy and low wind deflection
  Internal keys and rigid design maintain azimuth and eliminate the need for guylines
- High weight lifting capacity
  for greater safety and payload accommodations
- Higher strength for lighter weight
  Lightweight carbon fiber construction driven by stainless steel electro-mechanical drive screw
- Advanced safety
  Automatic sectional locking assures personnel and payload safety
- Low maintenance costs
  Easy, routine field and depot maintenance
- Use in harsh environments including ice and high wind
  Positive retraction

Stiletto™ HD

The Will-Burt Stiletto® HD offers additional benefits over the standard Stiletto® design

- Greater pointing accuracy
  Greater strength and rigidity, lower wind deflection
- 48% lower linear deflection
- Greater lifting capacity
  Higher load drive system capacity for heavier payloads
- Increased stability
  Due to additional tube overlap
- Increased safety
  Three locks on heavy-duty collars
- On-The-Move**
  Persistent surveillance
**Stiletto® Specifications**

<table>
<thead>
<tr>
<th>4 meter</th>
<th>6 meter</th>
<th>10 meter</th>
<th>15 meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extended Height (+4 in. / -0 in.)</td>
<td>13.5 ft. / 4.1 m</td>
<td>19 ft. / 5.79 m</td>
<td>32.8 ft. / 10 m</td>
</tr>
<tr>
<td>Nested Height (+1 in. / -0 in.)</td>
<td>39 in. / 10 m</td>
<td>46 in. / 1.17 m</td>
<td>67 in. / 1.7 m</td>
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<tr>
<td>Maximum Payload Capacity</td>
<td>250 lbs. / 113 kg</td>
<td>250 lbs. / 113 kg</td>
<td>250 lbs. / 113 kg</td>
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<tr>
<td>Rated Payload Capacity</td>
<td>200 lbs. / 91 kg</td>
<td>200 lbs. / 91 kg</td>
<td>175 lbs. / 80 kg</td>
</tr>
<tr>
<td>Weight (Including Control Box and Cables)</td>
<td>196 lbs. / 89 kg</td>
<td>209 lbs. / 95 kg</td>
<td>267 lbs. / 121 kg</td>
</tr>
<tr>
<td>Number of Sections</td>
<td>9</td>
<td>9</td>
<td>9</td>
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<tr>
<td>Tube Diameter</td>
<td>10.31 in. to 4.31 in. / 26.2 cm to 11 cm</td>
<td>10.31 in. to 4.31 in. / 26.2 cm to 11 cm</td>
<td>10.31 in. to 4.31 in. / 26.2 cm to 11 cm</td>
</tr>
<tr>
<td>Survival Wind Speed</td>
<td>110 mph / 177 km/hr</td>
<td>100 mph / 160 km/hr</td>
<td>80 mph / 129 km/hr</td>
</tr>
<tr>
<td>Deployment Wind Speed</td>
<td>50 mph / 80 km/hr</td>
<td>40 mph / 60 km/hr</td>
<td>34 mph / 55 km/hr</td>
</tr>
<tr>
<td>Erection Time with Power</td>
<td>1 min.</td>
<td>1.5 min.</td>
<td>2.7 min.</td>
</tr>
<tr>
<td>Rotation Accuracy (Twist)</td>
<td>+/-1°</td>
<td>+/-1°</td>
<td>+/-1°</td>
</tr>
<tr>
<td>Voltage (MIL-STD 1275)</td>
<td>28 VDC</td>
<td>28 VDC</td>
<td>28 VDC</td>
</tr>
<tr>
<td>Footprint</td>
<td>17.56 in. x 11.19 in. / 44.6 cm x 28.5 cm</td>
<td>17.56 in. x 11.19 in. / 44.6 cm x 28.5 cm</td>
<td>17.56 in. x 11.19 in. / 44.6 cm x 28.5 cm</td>
</tr>
<tr>
<td>*Typical Payload Sail Area</td>
<td>8 sq ft / .74 sq m CD=1.5</td>
<td>8 sq ft / .74 sq m CD=1.5</td>
<td>6 sq ft / .56 sq m CD=1.5</td>
</tr>
</tbody>
</table>

*Consult factory for larger sail area as payload and wind capacities may be reduced. **Consult factory for OTM payload capacity – 6 m HD model only.

**Stiletto® HD Specifications**

<table>
<thead>
<tr>
<th>4 meter</th>
<th>6 meter</th>
<th>8.6 meter</th>
<th>10 meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extended Height (+4 in. / -0 in.)</td>
<td>12.5 ft. / 3.8 m</td>
<td>19.7 ft. / 6 m</td>
<td>28.2 ft. / 8.6 m</td>
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<tr>
<td>Nested Height (+1 in. / -0 in.)</td>
<td>43.3 in. / 1.1 m</td>
<td>58.2 in. / 1.48 m</td>
<td>76.8 in. / 1.95 m</td>
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<tr>
<td>Rated Payload Capacity</td>
<td>350 lbs. / 159 kg</td>
<td>400 lbs. / 180 kg</td>
<td>400 lbs. / 180 kg</td>
</tr>
<tr>
<td>On-The-Move Capability**</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Weight (Including Control Box and Cables)</td>
<td>265 lbs. / 120 kg</td>
<td>340 lbs. / 154 kg</td>
<td>384 lbs. / 175 kg</td>
</tr>
<tr>
<td>Number of Sections</td>
<td>7</td>
<td>9</td>
<td>8</td>
</tr>
<tr>
<td>Tube Diameter</td>
<td>9.56 in. to 5.06 in. / 24.3 cm to 12.9 cm</td>
<td>11.06 in. to 5.06 in. / 28.1 cm to 12.9 cm</td>
<td>11.06 in. to 5.06 in. / 28.1 cm to 12.9 cm</td>
</tr>
<tr>
<td>Survival Wind Speed</td>
<td>100 mph / 160 km/hr</td>
<td>100 mph / 160 km/hr</td>
<td>90 mph / 144 km/hr</td>
</tr>
<tr>
<td>Deployment Wind Speed</td>
<td>40 mph / 64 km/hr</td>
<td>40 mph / 64 km/hr</td>
<td>40 mph / 64 km/hr</td>
</tr>
<tr>
<td>Erection Time with Power</td>
<td>20 sec.</td>
<td>35 sec.</td>
<td>50 sec.</td>
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<tr>
<td>Rotation Accuracy (Twist)</td>
<td>+/-1°</td>
<td>+/-1°</td>
<td>+/-1°</td>
</tr>
<tr>
<td>Voltage (MIL-STD 1275)</td>
<td>28 VDC</td>
<td>28 VDC</td>
<td>28 VDC</td>
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<tr>
<td>Footprint</td>
<td>15.59 in. x 9.71 in. / 39.6 cm x 24.7 cm</td>
<td>17.56 in. x 11.19 in. / 44.6 cm x 28.5 cm</td>
<td>17.56 in. x 11.19 in. / 44.6 cm x 28.5 cm</td>
</tr>
<tr>
<td>*Typical Payload Sail Area</td>
<td>11 sq ft / 1 sq m CD=1.5</td>
<td>11 sq ft / 1 sq m CD=1.5</td>
<td>8 sq ft / 0.74 sq m CD=1.5</td>
</tr>
</tbody>
</table>

*Consult factory for larger sail area as payload and wind capacities may be reduced. **Consult factory for OTM payload capacity – 6 m HD model only.

**Stiletto® MIL-STD-810F Qualifications**

- **Altitude:** Sea level to 15,000 feet per MIL-STD-810F, Method 500.4
- **Transportation Altitude:** Sea level to 15,000 feet (unpressurized) MIL-STD-810F, Method 500.4
- **Operating Temperature Ranges:** -44°C to +55°C, MIL-STD-810F, Method 501.4 and 502.4
- **Storage Temperature Ranges:** -44°C to +70°C, MIL-STD-810F, Method 501.4 and 500.4
- **Solar Radiation:** Per MIL-STD-810F, Method 505.4
- **Rain:** Per MIL-STD-810F, Method 506.4
- **Humidity:** Per MIL-STD-810F, Method 507.4
- **Fungus:** Per MIL-STD-810F, Method 508.4
- **Salt Fog:** Per MIL-STD-810F, Method 509.4
- **Sand and Dust:** Per MIL-STD-810F, Method 510.4
- **Ice and Freezing Rain:** Per MIL-STD-810F, Method 521.2
- **Vibration and Shock:** Per MIL-STD-810F, Method 514.5 and 516.5 (nested position)
- **MIL-STD-461E Qualifications:** CS101, CS114, CS115, CS116, RS103

**Stiletto® HD MIL-STD-810F Qualifications**

- **Altitude:** Sea level to 15,000 feet per MIL-STD-810F, Method 500.4
- **Transportation Altitude:** Sea level to 15,000 feet (unpressurized) MIL-STD-810F, Method 500.4
- **Operating Temperature Ranges:** -51°C to +55°C, MIL-STD-810F, Method 501.4 and 502.4
- **Storage Temperature Ranges:** -51°C to +71°C, MIL-STD-810F, Method 501.4 and 500.4
- **Solar Radiation:** Per MIL-STD-810F, Method 505.4
- **Rain:** Per MIL-STD-810F, Method 506.4
- **Humidity:** Per MIL-STD-810F, Method 507.4
- **Fungus:** Per MIL-STD-810F, Method 508.4
- **Salt Fog:** Per MIL-STD-810F, Method 509.4
- **Sand and Dust:** Per MIL-STD-810F, Method 510.4
- **Ice and Freezing Rain:** Per MIL-STD-810F, Method 521.2
- **On-The-Move Capability** was qualified by similarity to the standard Stiletto design
- **MIL-STD-461E Qualifications:** 461E, CS101, CS114, CS115, CS116, RS103
- **MIL-STD-461E Qualifications:** CE102, RE102, RS101 with optional equipment
PNEUMATIC HD AND SHD NON-LOCKING MASTS

The Will-Burt Pneumatic Heavy-Duty Non-Locking (HDNL) and Super Heavy-Duty Non-Locking (SHDNL) Masts offer a light-weight solution with a high payload lifting capacity. Our Pneumatic Non-Locking Masts also feature high pointing accuracy and long mast life for high performance and dependability. The pneumatic heavy-duty design makes it inherently safe – the payload sits on a “cushion of air” enabling it to better absorb shocks for on-the-move applications*. What’s more, the Pneumatic Non-Locking Masts have controlled exhausting of air for smooth and safe retraction. Locking models are available for extended deployments.

HEAVY-DUTY SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specifications</th>
<th>7.5 meter</th>
<th>10 meter</th>
<th>12.5 meter</th>
<th>15 meter</th>
<th>17 meter</th>
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<tbody>
<tr>
<td>Extended Height</td>
<td>25 ft. / 7.6 m</td>
<td>32.8 ft. / 10 m</td>
<td>41.2 ft. / 12.5 m</td>
<td>48.6 ft. / 14.8 m</td>
<td>56.17 ft. / 17.1 m</td>
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<tr>
<td>Nested Height</td>
<td>6 ft. / 1.8 m</td>
<td>6.7 ft. / 2 m</td>
<td>7.3 ft. / 2.1 m</td>
<td>8.7 ft. / 2.7 m</td>
<td>9.6 ft. / 2.9 m</td>
</tr>
<tr>
<td>Payload Capacity</td>
<td>150 lbs. / 68 kg</td>
<td>200 lbs. / 90 kg</td>
<td>150 lbs. / 68 kg</td>
<td>200 lbs. / 90 kg</td>
<td>200 lbs. / 90 kg</td>
</tr>
<tr>
<td>Approximate Mast Weight</td>
<td>110 lbs. / 50 kg</td>
<td>200 lbs. / 90 kg</td>
<td>235 lbs. / 107 kg</td>
<td>275 lbs. / 125 kg</td>
<td>296 lbs. / 135 kg</td>
</tr>
<tr>
<td>Tube Diameter</td>
<td>6.75-3 in. / 171-76 mm</td>
<td>9-3.75 in. / 229-95 mm</td>
<td>9-3 in. / 229-76 mm</td>
<td>9-3.75 in. / 229-95 mm</td>
<td>9-3.75 in. / 229-95 mm</td>
</tr>
<tr>
<td>Maximum Operating Pressure</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
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SUPER HEAVY-DUTY SPECIFICATIONS

<table>
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<th>12 meter</th>
<th>72’ Patriot</th>
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<tr>
<td>Extended Height</td>
<td>32.8 ft. / 10 m</td>
<td>39.4 ft. / 12 m</td>
<td>72 ft. / 22 m</td>
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<tr>
<td>Nested Height</td>
<td>8 ft. / 2.5 m</td>
<td>9.3 ft. / 2.8 m</td>
<td>18 ft. / 5.5 m</td>
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<tr>
<td>Payload Capacity</td>
<td>800 lbs. / 363 kg</td>
<td>660 lbs. / 300 kg</td>
<td>700 lbs. / 318 kg</td>
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<tr>
<td>Approximate Mast Weight</td>
<td>375 lbs. / 170 kg</td>
<td>430 lbs. / 195 kg</td>
<td>1,500 lbs. / 680 kg</td>
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<tr>
<td>Tube Diameter</td>
<td>11.25-6.75 in. / 285-171 mm</td>
<td>11.25-6 in. / 285-152 mm</td>
<td>11.03-6.5 in. / 280-165 mm</td>
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<tr>
<td>Max. Operating Pressure</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
</tr>
</tbody>
</table>

*Consult factory for on-the-move specifications

PNEUMATIC SYSTEMS

Will-Burt offers a variety of low maintenance oil-less AC and DC voltage air compressor systems, all specifically designed for optimal performance for use with Will-Burt Telescoping Masts.

DC COMPRESSOR SYSTEMS

- Mast pressure gauge
- Adjustable pressure switch
- Hand-held remote control with mast up/down switch
- Protective enclosure
- 12 VDC model - 173 liters/minute flow at 15 psi (6.1 cfm)
- 24 VDC model - 191 liters/minute flow at 15 psi (6.7 cfm)
- Operating Temperature: -20°F to +50°F (-29°C to +122°C)
- ⅜” air hose with NPT fittings
- Oil-less to reduce maintenance
- Check valve prevents leakage

AC COMPRESSOR SYSTEMS

- Mast pressure gauge
- Pressure regulator
- Hand-held remote control with mast up/down switch
- Protective enclosure
- 110 liters/minute flow at 20 psi (3.88 cfm)
- Operating Temperature: -15°C to +40°C (5°F to +104°F)
- 110 VAC (60 Hz) and 220 VAC (50 Hz) models
- Oil-less to reduce maintenance
- Check valve prevents leakage
- ¼” air hose with NPT fittings
**PNEUMATIC HD, SHD AND UHD LOCKING MASTS**

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. Guying is optional on Vehicle-mounted heavy-duty locking (HDL) models up to 60 feet (18 meters). Commercial-off-the-shelf (COTS) heavy-duty models are available. Super heavy-duty locking (SHDL) and ultra heavy-duty locking (UHDL) models feature greater unguyed heights and larger payload capacities. Standard models are shown below. Custom height and payload capacities are available upon request.

**HEAVY-DUTY SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specifications</th>
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<th>12.5m</th>
<th>18m</th>
<th>30m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extended Height</td>
<td>32.8 ft. / 10 m</td>
<td>41 ft. / 12.5 m</td>
<td>59 ft. / 18 m</td>
<td>98.5 ft. / 30 m</td>
</tr>
<tr>
<td>Nested Height</td>
<td>7.5 ft. / 2.3 m</td>
<td>7.5 ft. / 2.3 m</td>
<td>10.4 ft. / 3.2 m</td>
<td>16.8 ft. / 5.1 m</td>
</tr>
<tr>
<td>Payload Capacity</td>
<td>150 lb. / 68 kg</td>
<td>150 lb. / 68 kg</td>
<td>200 lb. / 90 kg</td>
<td>200 lb. / 90 kg</td>
</tr>
<tr>
<td>Approximate Mast Weight</td>
<td>125 lb. / 57 kg</td>
<td>235 lb. / 107 kg</td>
<td>330 lb. / 150 kg</td>
<td>480 lb. / 218 kg</td>
</tr>
<tr>
<td>Tube Diameter</td>
<td>6.75-3” / 171-76 mm</td>
<td>9-3” / 229-76 mm</td>
<td>9.75” / 229-96 mm</td>
<td>9.75” / 114 mm</td>
</tr>
<tr>
<td>Maximum Operating Pressure</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
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**SUPER HEAVY-DUTY & ULTRA HEAVY-DUTY SPECIFICATIONS**

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<th>SHDL 15m</th>
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<th>UHDL 18m</th>
<th>SHDL 23m</th>
<th>SHDL 30m</th>
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<tbody>
<tr>
<td>Extended Height</td>
<td>49.2 ft. / 15 m</td>
<td>59.1 ft. / 18 m</td>
<td>59 ft. / 18 m</td>
<td>76 ft. / 23.2 m</td>
<td>98.4 ft. / 30 m</td>
</tr>
<tr>
<td>Nested Height</td>
<td>9.2 ft. / 2.8 m</td>
<td>10.5 ft. / 3.2 m</td>
<td>11.3 ft. / 3.4 m</td>
<td>11.1 ft. / 3.4 m</td>
<td>15.4 ft. / 4.7 m</td>
</tr>
<tr>
<td>Payload Capacity</td>
<td>450 lb. / 205 kg</td>
<td>450 lb. / 205 kg</td>
<td>1200 lbs. / 544 kg</td>
<td>200 lb. / 91 kg</td>
<td>450 lb. / 205 kg</td>
</tr>
<tr>
<td>Approximate Mast Weight</td>
<td>450 lb. / 205 kg</td>
<td>550 lb. / 227 kg</td>
<td>880 lbs. / 399 kg</td>
<td>550 lb. / 249 kg</td>
<td>790 lb. / 361 kg</td>
</tr>
<tr>
<td>Tube Diameter</td>
<td>11.25-5.25” / 288-135 mm</td>
<td>11.25-5.25” / 288-135 mm</td>
<td>13.5-7.5” / 34.29-19.05 cm</td>
<td>11.25-3.75” / 288-96 mm</td>
<td>11.25-5.25” / 288-135 mm</td>
</tr>
<tr>
<td>Max. Operating Pressure</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
<td>35 PSIG (2.4 bar)</td>
</tr>
</tbody>
</table>

For additional sail area and wind speed capacities visit www.willburt.com

**COMUNICATIONS / SURVEILLANCE**

- Two full-length external keys on mast sections with matching machined keyways on collars - Maintains directional azimuth
- Low friction synthetic bearings - Protects mast sections and collars for smooth operation and long life
- Mechanical Locking Collars - Supports high guying forces
- Black Hardcoat and sealed aluminum surfaces - Meets MIL-A-8625 Type III, Class II & Extends life of mast and protects against salt fog corrosion
- External Wipers - Protects against sand and dust
- Ruggedized Options - Optional finishes and features for military applications

Pneumatic HD Locking Mast MIL-STD-810F Qualifications

- Solar Radiation: Per MIL-STD-810E, Method 505.3
- Rain: Per MIL-STD-810E, Method 506.3
- Humidity: Per MIL-STD-810E, Method 507.3
- Salt Fog: Per MIL-STD-810E, Method 509.3
- Sand and Dust: Per MIL-STD-810E, Method 510.3

The Pneumatic SHD and Pneumatic Non-Locking HD and SHD masts are qualified by similarity to the Pneumatic HD locking mast design.

For additional sail area and wind speed capacities visit www.willburt.com
Will-Burt introduces ground-breaking mast technology which enables elevated surveillance and targeting on-the-move and accurate elevated line-of-sight fire by remote weapons on-the-halt.

The VelociRaptor mast delivers a unique combination of strength, stiffness, extension/retraction speed, payload lifting capacity, and mast size and weight. These unique features allow:

- **Persistent On-The-Move Surveillance and Targeting**
  Fully extended to 6 m (20 ft.), 100 kg (220 lbs.) payload at speeds up to 88 kmph (55 mph) on improved roads and 24 kmph (15 mph) on off-road terrain.

- **Stable On-The-Halt Weapon Station**
  Accurate remote weapon station fire at 500 m; less than 16 cm (6 inch) deflection under a 3,300 lb side force.

**RUGGED**
Travel with the mast fully extended at up to 88 kmph (55 mph) on improved roads, 56 kmph (35 mph) on unimproved roads, 24 kmph (15 mph) on off-road terrain.

**FAST**
Enables rapid mission execution
- Extends and retracts in less than 15 seconds (On-The-Move / On-The-Halt).
- Enables persistent surveillance and targeting without slowing or stopping forward motion.
- Enables rapid egress from hostile situations.

**RIGID**
High pointing accuracy for superior surveillance and targeting at long distance - less than 16 cm (6 inch) tip deflection at full extension 6 m (20 ft.) when subjected to a 3,300 lb side force.

**STRONG**
Broad payload weight capability – elevates payloads up to 150 kg (330 lbs.).

**SMALL ENVELOPE**
Small footprint and an internal drive simplify exterior or interior installation on wheeled and tracked vehicles.
KVL AND KVR TELESCOPIC CABLE-DRIVE MASTS

The Family of light duty GEROH Telescopic Crank Masts is characterized by lightweight construction in addition to superior stability, reliability and long life. The KVL and KVR mast systems are in use in military and commercial applications such as communications testing, surveillance and lighting and are designed for vehicle, trailer, shelter or field deployment. The mast sections consist of close tolerance precision mast profiles which ensure precise pointing accuracy. Safe deployment and retraction is assured, even with ice or heavy wind conditions.

KVL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specifications</th>
<th>2.5 KVL 3</th>
<th>4 KVL 4</th>
<th>6 KVL 5</th>
<th>8 KVL 5</th>
<th>10 KVL 6</th>
<th>12 KVL 6</th>
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</thead>
<tbody>
<tr>
<td>Extended Height</td>
<td>8.2 ft. / 2.5 m</td>
<td>13.1 ft. / 4 m</td>
<td>19.6 ft. / 6 m</td>
<td>26.2 ft. / 8 m</td>
<td>32.8 ft. / 10 m</td>
<td>39.2 ft. / 12 m</td>
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<tr>
<td>Nested Height</td>
<td>3.5 ft. / 1.1 m</td>
<td>4.2 ft. / 1.3 m</td>
<td>5 ft. / 1.5 m</td>
<td>6.2 ft. / 1.9 m</td>
<td>6.9 ft. / 2.1 m</td>
<td>7.9 ft. / 2.4 m</td>
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<td>Payload Capacity</td>
<td>55 lbs. / 25 kg</td>
<td>55 lbs. / 25 kg</td>
<td>55 lbs. / 25 kg</td>
<td>44 lbs. / 20 kg</td>
<td>33 lbs. / 15 kg</td>
<td>33 lbs. / 15 kg</td>
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<tr>
<td>Approximate Mast Weight</td>
<td>35 lbs. / 16 kg</td>
<td>45 lbs. / 20.5 kg</td>
<td>53 lbs. / 24 kg</td>
<td>68 lbs. / 31 kg</td>
<td>88 lbs. / 40 kg</td>
<td>99 lbs. / 45 kg</td>
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<td>Number of Sections</td>
<td>3</td>
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<td>5</td>
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KVR SPECIFICATIONS

<table>
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<th>4 KVR 3</th>
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<th>8 KVR 5</th>
<th>10 KVR 6</th>
<th>12 KVR 6</th>
<th>14 KVR 5</th>
<th>18 KVR 6</th>
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<td>8.2 ft. / 2.5 m</td>
<td>13.1 ft. / 4 m</td>
<td>19.6 ft. / 6 m</td>
<td>26.2 ft. / 8 m</td>
<td>32.8 ft. / 10 m</td>
<td>39.2 ft. / 12 m</td>
<td>45.9 ft. / 14 m</td>
<td>59.1 ft. / 18 m</td>
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<tr>
<td>Nested Height</td>
<td>3.9 ft. / 1.2 m</td>
<td>5.5 ft. / 1.7 m</td>
<td>5.5 ft. / 1.7 m</td>
<td>6.9 ft. / 2.1 m</td>
<td>7.5 ft. / 2.3 m</td>
<td>8.5 ft. / 2.6 m</td>
<td>10.8 ft. / 3.3 m</td>
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<td>Payload Capacity</td>
<td>154 lbs. / 70 kg</td>
<td>143 lbs. / 65 kg</td>
<td>154 lbs. / 70 kg</td>
<td>154 lbs. / 70 kg</td>
<td>110 lbs. / 50 kg</td>
<td>110 lbs. / 50 kg</td>
<td>88 lbs. / 40 kg</td>
<td>88 lbs. / 40 kg</td>
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<tr>
<td>Approx. Mast Weight</td>
<td>66 lbs. / 30 kg</td>
<td>77 lbs. / 35 kg</td>
<td>110 lbs. / 50 kg</td>
<td>134 lbs. / 61 kg</td>
<td>187 lbs. / 85 kg</td>
<td>205 lbs. / 93 kg</td>
<td>187 lbs. / 85 kg</td>
<td>271 lbs. / 123 kg</td>
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<td>6</td>
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</tbody>
</table>
**SPM SPINDLE DRIVE MAST**

The Family of GEROH Telescopic Spindle Masts is used by the German Army and other international forces to enhance capabilities like communication, security, surveillance, reconnaissance and detection of targets throughout the battlefield.

Our Spindle Mast Systems are developed for the highest requirements in precision and heavy payloads. The spindle drive system guarantees environmental independent operation – also in extreme inclines.

High precision with very close tolerances is guaranteed by our specially machined aluminium mast sections. For this reason the SPM masts are optimized for optical / electronic intelligence, monitoring and target recognition as well as electronic warfare systems.

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**SPM SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>Extended Height</td>
<td>6.5 ft. / 2 m</td>
<td>9.8 ft. / 3 m</td>
<td>19.7 ft. / 6 m</td>
<td>29.5 ft. / 9 m</td>
<td>39.4 ft. / 12 m</td>
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<td>Nested Height</td>
<td>3.3 ft. / 1 m</td>
<td>3.6 ft. / 1.1 m</td>
<td>5.5 ft. / 1.7 m</td>
<td>6.5 ft. / 2 m</td>
<td>12 ft. / 3.7 m</td>
<td>9.6 ft. / 2.9 m</td>
<td>12.8 ft. / 3.9 m</td>
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<tr>
<td>Payload Capacity</td>
<td>198 lbs. / 90 kg</td>
<td>287 lbs. / 130 kg</td>
<td>551 lbs. / 250 kg</td>
<td>551 lbs. / 250 kg</td>
<td>1,323 lbs. / 600 kg</td>
<td>551 lbs. / 250 kg</td>
<td>661 lbs. / 300 kg</td>
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<tr>
<td>Approx. Mast Weight</td>
<td>121 lbs. / 55 kg</td>
<td>211 lbs. / 96 kg</td>
<td>309 lbs. / 140 kg</td>
<td>618 lbs. / 280 kg</td>
<td>838 lbs. / 380 kg</td>
<td>1,103 lbs. / 500 kg</td>
<td>1,488 lbs. / 675 kg</td>
</tr>
<tr>
<td>Tube Diameter</td>
<td>7.1 in. / 18 cm</td>
<td>9.1 in. / 23 cm</td>
<td>9.1 in. / 23 cm</td>
<td>11.8 in. / 30 cm</td>
<td>14.2 in. / 36 cm</td>
<td>11.8 in. / 30 cm</td>
<td>14.2 in. / 36 cm</td>
</tr>
<tr>
<td>Number of Sections</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>7</td>
<td>6</td>
</tr>
</tbody>
</table>

Other heights and payload capacities available.

---

**COMMUNICATIONS / SURVEILLANCE**

**ESSENTIAL FEATURES**

- Designed for heavy payloads with large windsail areas
- Precision tolerances maintain azimuth and minimize deflection.
- Precise pointing accuracy excellently suited for optical electronic intelligence, monitoring, and target recognition.
- Designed for inside and outside vehicle installation.
- Electronic and Manual Operation
- MIL-STD 810–F qualified
Will-Burt’s Stiletto Tilt System is ideal for applications where nested height and rapid deployment are critical factors. The robust design enables rapid tilting and locking of the mast. The low height of the Stiletto Tilt meets C-130 transportability requirements and situations requiring a low center of gravity or concealment of the mast payload. The palletized configuration also makes the system suitable for installation on various mission configured vehicle platforms such as trailers, pick-up trucks and flat bed transports including the FMTV.

- **Provides additional stability and structure**
  Designed for Stiletto’s from 4m to 10m and Pneumatics up to 15m

- **Pallet allows for easy installation**
  Using standard D-ring on a flat bed cargo or can be customized to fit any platform

- **Manual backup operation**
  Allows for deployment or retraction in the event of a power loss

- **Exclusive black hard coat finish**
  Offers a more durable finish and prevents salt fog corrosion

**MAST TILT**

Mast Tilt is ideal for securing payloads onto a vehicle-mounted pneumatic mast. The mast tilt system lowers the top of the mast to a reachable height so that a payload can be mounted in place. The mast is then tilted back to a vertical position and can then be extended.

**POWERED TILT SYSTEM FOR STILETTO AND PNEUMATIC MASTS**

- Manual tilt system with winch and automatic brake
The Will-Burt Company’s newest payload elevation solution

Snap Dragon™

Quick and Silent On-The-Move / On-The-Halt elevation and lowering of sensors enabling Rapid Relocation and Stealth Surveillance Targeting Missions

- Low nested height allows payload to be hidden
- Engineered to perform in harsh environments
- Fast, powered extension and retraction for quick mission execution
- Scalable design accommodates unique requirements
- Two power options
  - Electro-Mechanical
  - Compressed air

COMPACT
- Low nested height of only 12 in. (305 mm) and footprint of 12.75 in. x 30.5 in. (324 mm x 775 mm) allows for interior or exterior installation that provides for optimal payload concealment.

FAST
- Powered deployment and retraction that is as fast as 2 seconds for quick and stealthy mission execution.

FLEXIBLE
- Install and operate lift at any angle. Can be inverted to lower payloads into containers and caverns, can be mounted horizontally for inspecting undersides of bridges or large vehicles.
- Two power source options. Compressed air for silent and extremely fast operation. Electro-mechanical (28 VDC) for precise positioning.

ON-THE-MOVE
- Strong structure allows wheeled vehicle OTM execution in off-road conditions at up to 15 mph (24 kmph).

SNAP DRAGON SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extended Height</td>
<td>60 in. / 1,525 mm</td>
</tr>
<tr>
<td>Nested Height</td>
<td>12 in. / 305 mm</td>
</tr>
<tr>
<td>Payload Capacity</td>
<td>50 lb. / 22.7 kg</td>
</tr>
<tr>
<td>System Weight</td>
<td>65 lb. / 29.5 kg</td>
</tr>
<tr>
<td>Deployment Speed - Compressed Air</td>
<td>2 seconds</td>
</tr>
<tr>
<td>(Vehicle/Commercial Cylinder Air)</td>
<td></td>
</tr>
<tr>
<td>Retraction Speed - Compressed Air</td>
<td>2 seconds</td>
</tr>
<tr>
<td>(Vehicle/Commercial Cylinder Air)</td>
<td></td>
</tr>
<tr>
<td>Deployment Speed - Electro-Mechanical (28VDC)</td>
<td>15 seconds</td>
</tr>
<tr>
<td>Retraction Speed - Electro-Mechanical (28VDC)</td>
<td>15 seconds</td>
</tr>
<tr>
<td>Survival Wind Speed Capabilities (0.5 m² Sail Area)</td>
<td>50 mph / 80 kmph</td>
</tr>
<tr>
<td>Deployment Wind Speed Capabilities (0.5 m² Sail Area)</td>
<td>30 mph / 48 kmph</td>
</tr>
<tr>
<td>On-The-Move Speed: Off Road, Wheeled Vehicle</td>
<td>15 mph / 24 kmph</td>
</tr>
<tr>
<td>Footprint</td>
<td>12.75 in. x 30.5 in. / 324 mm x 775 mm</td>
</tr>
</tbody>
</table>
The Expedition Series tripod and mast are constructed of carbon composite material, making the system:

- Lighter weight than aluminum - easier to transport and deploy
- Stronger - more durable - won’t bend or break
- Stiffer - more stable for payloads
- Quicker, easier set-up and retraction – faster deployment
- Easier transportability - two compact transport pack options allow you to select the best one to fit your deployment needs

The Ranger™ Mast has a large tripod base, making the mast very stable. It is erected with 4 ft. (1.2m) tube sections to heights from 8 to 60 ft. (2.5 to 18.3 m).

- Easily transportable by 1-2 people
- Elevates up to 60 ft. (18.3 meters)

Incorporating the same stable tripod as the Ranger Mast, the Ranger Pack is designed to fit into a custom designed backpack. The total system weighs 65 lbs. (30 kg) and can be quickly deployed by extending 3 ft. (1 m) tube sections to heights from 8 to 24 ft. (2.5 to 7.3 m).

- Easily transportable by 1 person
- Elevates up to 24 ft. (7.3 m)
- Lifts up to 50 lb. (23 kg) payload

Hurry-Up mast

The Hurry-Up mast is ideal for fast deployment of lightweight antennas and equipment. This mast can be extended to a full height of 25 feet (7.6 meters) in one minute or less. The Hurry-Up mast features quick lock/release collars to extend the mast manually by pushing up the sections and fixing them in position.

- Portable & Lightweight
  Allows for easy transportation
  Weights equal to 29 lbs (13 kg)
  Nested height 6 ft. (1.8 m)

- Payload Capacity
  Allows for payloads up to 20 lbs (9 kg)

- Rigid azimuth locking collar
  Quick direction adjustments

- Black anodized finish
  Corrosion resistant

- Optional Features
  Drive-on plate mounting
  • No guylines required
  • Removable payload extension stub
  • Easy payload mounting
  • External support brackets
  • Permanent vehicle mounting

See www.willburt.com for complete model range.
The AntennaMast model AM2 is a rugged, lightweight, man-portable, aluminum tripod mast designed for rapid payload deployment. The AM2 is extremely flexible and reliable and is capable of elevating multiple devices on a single mast.

**Payload deployment options:**

1. The EZ Raze™ system with cable winching device and safety brake enables the user to lift and lower heavier payloads in a safe and controlled manner without disassembling the mast system.
2. The mast tube lift winch provides a mechanical assist for the lifting of the mast tubes for heavier payloads.
3. The user is also able to elevate the mast tubes and payload by breach loading the tubes through the tripod center collar.

**ESSENTIAL FEATURES**

- **Rapid set-up** – Includes a tripod with two (2) built-in levels and large no-slip adjustment knobs that are easy to operate. Interlocking mast tubes allow for directional adjustment of the payload.
- **Flexible** – A variety of payload adaptors and accessories are available to accomplish diverse missions.
- **Simple** – No tools or special training are needed for deployment.
- **Rugged** – Designed to meet MIL-STD-810 for use in a variety of harsh environments.
- **Durable** – Components are constructed of aluminum and stainless steel and are covered by a two (2) year warranty.
- **Complete system** – AM2 system includes all components needed to safely deploy rated payload at selected height.
- **Transportable** – Every mast system comes with a rugged wheeled transport bag designed for easy unloading and loading.
CARBON FIBER COMPOSITE
Will-Burt’s Quick Erecting Antenna Mast (QEAM) is a lightweight, high strength mast that offers a rigid, stable platform for elevating critical payloads. The QEAM may be field, vehicle, or shelter mounted.

**Screw Drive Models**
- Maintains azimuth - minimal twist deflection
  Reliable full-length external keyways
- Positions payload at any height
  Automatic locking collars - patented latch system
- Manual mechanical drive
  Reliable deployment without power
- Automatic locking collars
  Locks at any desired height
  Patented latch mechanism
- Mechanical stops
  Prevents over-extension
- Full length keys on sections
  Prevents twist
- Maintenance free
  Polymer drive nuts require no greasing
- Built in cable management
  Cable loops added at collars
- Corrosion resistant
  All parts are anodized aluminum & stainless steel
  Drive crank is a completely sealed mechanism

**Communications**
*Must be guyed for wind speeds over 25mph / 40kmph*

<table>
<thead>
<tr>
<th>Model</th>
<th>HDTM 10C (Carbon Fiber tubes)*</th>
<th>TM 15C (Carbon Fiber tubes)*</th>
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</thead>
<tbody>
<tr>
<td>Extended Height</td>
<td>32.8 ft. / 10m</td>
<td>50 ft. / 15 m</td>
</tr>
<tr>
<td>Nested Height</td>
<td>8 ft. / 2.4 m</td>
<td>8 ft. / 2.4 m</td>
</tr>
<tr>
<td>Payload Capacity</td>
<td>75 lb. / 34 kg</td>
<td>75 lb. / 34 kg</td>
</tr>
<tr>
<td>Weight (mast only)</td>
<td>55 lb. / 25 kg</td>
<td>95 lb. / 43.1 kg</td>
</tr>
<tr>
<td>Weight (accessory kit)</td>
<td>2 @ 42 lb. / 19 kg each</td>
<td>2 @ 42 lb. / 19 kg each</td>
</tr>
<tr>
<td>Number of Sections</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>Deployment Time</td>
<td>2 persons, 8 min.</td>
<td>3 persons, 10 min.</td>
</tr>
<tr>
<td>Survival Wind Speed</td>
<td>80 mph / 128 kmph</td>
<td>80 mph / 128 kmph</td>
</tr>
<tr>
<td>Deployment Wind Speed*</td>
<td>25 mph / 40kph</td>
<td>25 mph / 40 kph</td>
</tr>
<tr>
<td>Operational Wind Speed</td>
<td>60 mph / 97kmh</td>
<td>60 mph / 97 kmh</td>
</tr>
<tr>
<td>Ice load</td>
<td>0.5 in. / 12mm</td>
<td>0.5 in. / 12mm</td>
</tr>
<tr>
<td>Guying</td>
<td>2 level / 4 way</td>
<td>3 level / 4 way</td>
</tr>
<tr>
<td>Surface mounting</td>
<td>±15° slope</td>
<td>±15° slope</td>
</tr>
<tr>
<td>Drive system</td>
<td>Screw drive</td>
<td>Screw drive</td>
</tr>
<tr>
<td>Finish</td>
<td>Standard Black</td>
<td>Standard Black</td>
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<tr>
<td>Typical Payload Sail Area*</td>
<td>6 sq ft / 0.6 msq CD=1.5</td>
<td>6 sq ft / 0.6 msq CD =1.5</td>
</tr>
</tbody>
</table>

Accessory kits include: base tube guylines, top guylines, measuring rope, heated-treated steel guy stakes, sledge hammer, base plate, ground spikes, support stand, hand crank, transport bags & instruction manual

WWW.WILLBURT.COM
Will-Burt’s Strap Drive Quick Erecting Antenna Mast (QEAM) uses an internal strap wound between tube sections for mast elevation. Designed for manual operation, The Strap Drive QEAM has heavier payload weight-lifting capability, and is available in 21, 25 and 34 meter heights.

**STRAP DRIVE MODELS**
- Easy manual crank up
  No power supply needed
- Automatic locking collars
  Locks at any desired height
  Patented latch mechanism
- Manual mechanical drive
  Reliable deployment without power
  Standard ground mounting kits with guylines and transport bag included
- Optional vehicle and shelter mounting kits available

<table>
<thead>
<tr>
<th>Aluminum Strap Drive Model</th>
<th>TM 21</th>
<th>TM 25</th>
<th>TM 30</th>
<th>TM 34</th>
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<tr>
<td>Extended Height</td>
<td>68.9 ft. / 21 m</td>
<td>82 ft. / 25 m</td>
<td>98.4 ft. / 30 m</td>
<td>112 ft. / 34 m</td>
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<td>Nested Height</td>
<td>14.6 ft. / 4.45 m</td>
<td>14.8 ft. / 4.5 m</td>
<td>19.3 ft. / 5.8 m</td>
<td>19 ft. / 5.8 m</td>
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<td>Payload Capacity</td>
<td>180 lb. / 80 kg</td>
<td>150 lb. / 68 kg</td>
<td>150 lb. / 68 kg</td>
<td>110 lb. / 50 kg</td>
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<tr>
<td>Weight (mast only)</td>
<td>197 lb. / 90 kg</td>
<td>220 lb. / 100 kg</td>
<td>250 lb. / 114 kg</td>
<td>250 lb. / 113 kg</td>
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<td>Weight (accessory kit)</td>
<td>245 lb. / 111 kg</td>
<td>275 lb. / 125 kg</td>
<td>275 lb. / 125 kg</td>
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<td>Number of Sections</td>
<td>6</td>
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<tr>
<td>Deployment Time</td>
<td>3 persons, 25 min</td>
<td>3 persons, 30 min</td>
<td>3 persons, 30 min</td>
<td>3 persons, 30 min</td>
</tr>
<tr>
<td>Survival Wind Speed</td>
<td>80 mph / 128 kmph</td>
<td>80 mph / 128 kmph</td>
<td>80 mph / 128 km/h</td>
<td>80 mph / 128 kmph</td>
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<tr>
<td>Deployment Wind Speed*</td>
<td>25 mph / 40 kph</td>
<td>25 mph / 40 kph</td>
<td>25 mph / 40 km/h</td>
<td>25 mph / 40 kph</td>
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<tr>
<td>Operational Wind Speed</td>
<td>60 mph / 97 kmph</td>
<td>60 mph / 97 kmph</td>
<td>60 mph / 97 km/h</td>
<td>60 mph / 97 kmph</td>
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<tr>
<td>Ice load</td>
<td>0.5 in. / 12 mm</td>
<td>0.5 in. / 12 mm</td>
<td>0.5 in. / 12 mm</td>
<td>0.5 in. / 12 mm</td>
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<tr>
<td>Guying</td>
<td>4 level / 4 way</td>
<td>5 level / 4 way</td>
<td>5 level / 4 way</td>
<td>5 level / 4 way</td>
</tr>
<tr>
<td>Surface Mounting</td>
<td>±15° slope</td>
<td>±15° slope</td>
<td>±15° slope</td>
<td>±15° slope</td>
</tr>
<tr>
<td>Drive system</td>
<td>Strap drive</td>
<td>Strap drive</td>
<td>Strap Drive</td>
<td>Strap drive</td>
</tr>
<tr>
<td>Typical Payload Sail Area*</td>
<td>6 sqft / 0.6 msq CD=1.5</td>
<td>6 sqft / 0.6 msq CD=1.5</td>
<td>6 sq ft / 0.6msq CD=1.5</td>
<td>6 sq ft / 0.6 msq CD=1.5</td>
</tr>
</tbody>
</table>

*Must be guyed for wind speeds over 25mph / 40kmph
INTEGRATED TOWER SYSTEMS

ITS lattice towers have the greatest self-supporting and guy capable survivability of any comparable lattice steel telescopic structure. The ITS tower system is fully automated and includes the following design features:

- Extreme environment, direct-drive tower operating systems
  Aircraft quality tower cables, stainless pulleys, solid-state circuitry
- Redundant safety mechanisms
  Extended tower and transport lock mechanisms, redundant cabling, LED warning lamps
- Certified compliance with the ANSI TIA/EIA 222-G Standard
  Tower Legs: seamless, mechanical tubing – HSS - ASTM DOM 1026 alloy / A513 to 95ksi yield strength – solid rod bracing
  - ASTM A36, 100% hot-dipped galvanized per ASTM A123

SRS SERIES - PORTABLE TOWER TRAILER

The heavy-duty SRS Series Portable Tower Trailer is Mil-Std designed with multi-terrain capabilities and easily transported by various military modes of transportation.

The SRS Series incorporates a 15,000 lb. / 6,804 kg capacity GVWR heavy-duty, multi-terrain custom drawbar trailer with the industry’s strongest, most reliable and capable telescopic tower system. The system is designed to be transported by road, C-130 or larger aircraft, rail or flatbed trailer and support at site a payload of up to 4,500 lbs. / 2,042 kg of additional equipment, enclosures, generators, fuel tanks, etc. The SRS Series has Mil-Std designed aircraft tie-down lugs and lifting provisions along with Arctic/Desert lights with wiring package.

Unmatched Tower Capabilities in Multi-terrain Environment

- All-terrain transport and deployment alternatives
  Features varying tower heights with substantial operational and survival wind-load characteristics.
- Designed for Military Transport Mil - Std
  Designed aircraft tie-down lugs and lifting provisions
- Multi-terrain Capable
  Heavy-duty drawbar trailer with a minimum factor of safety of 2:1 and 4:1 in critical load areas
- Ease of Operation
  User-friendly and reliable hydraulic tilt and electric direct drive operating systems
  Integrated safety and redundant cabling features

<table>
<thead>
<tr>
<th>Payload Capacity</th>
<th>550 lbs. standard to 750 lbs. / 249 kg to 340 kg customized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trailer GVWR Capacity</td>
<td>15,000 lbs. / 6,804 kg</td>
</tr>
<tr>
<td>Tower Height</td>
<td>from 55 ft. to 106 ft. / 16.8 m to 32.3 m</td>
</tr>
</tbody>
</table>

SR SERIES – PORTABLE TOWER TRAILER (Multiterrain Configuration)

The heavy-duty SR Series Portable Tower Trailer is ideal for use in multiple environments and terrains for ultimate deployment flexibility.

The most affordable and popular of all ITS configurations, the SR Series incorporates a 15,000 lb. capacity GVWR heavy-duty, multiterrain drawbar trailer with the industry’s strongest, most reliable and capable telescopic tower system. The SR Series trailer uses tandem 7,000 lb. each capacity axles, 16” multiterrain tires, all-wheel electric brakes, a trailer breakaway device, LED lighting, outrigger stabilization, and an impact and weather-resistant coating over a diamond plate steel operating platform. The SR Series is designed to transport and support at site a trailer payload from 3,800 – 4,500 lbs. of ITS and/or customer-installed equipment.

The ITS lattice steel tower is designed to transport horizontally over the trailer’s forward deck, automatically tilt by means of a single hydraulic cylinder and elevate using a custom direct drive electric motor/gearbox assembly. The SR Series is capable of being deployed, elevated to its full-extended height and secured by a mechanical tower lock mechanism by one person under 30 minutes.

- Multienvironment Use and Unmatched Tower Capabilities
  All-terrain transport and deployment alternatives; features varying tower heights with substantial operational and survival wind-load characteristics
- Ease of Operation
  User-friendly and reliable hydraulic tilt and electric direct drive operating systems, integrated safety and redundant cabling features
- Model Characteristics and Product Availability
  Inventories of our most popular and affordable configuration are maintained at all times. Military standards are used as guides in equipment design and manufacturing processes
INTEGRATED TOWER SYSTEMS

RD SERIES - MOBILE MAST SYSTEM (INTEGRATED TILT CAPABILITIES)

The ITS RD Series is ideal for military missions. A heavy-duty, multi-terrain trailer ensures successful deployment in a variety of harsh climates and terrain. The RD Series Mobile Mast System features a self-supporting or guyed, locking or non-locking Will-Burt pneumatic mast with an innovative tilt capability. The RD Series features an enclosed compressor for mast tilt, extension and retraction with additional space available for optional power generation and equipment enclosure. A heavy-duty multi-terrain steel constructed trailer comes with either single (RD-S model) or tandem axles (RD-T model), 16 in. / 40 cm mud terrain tires, DOT compliant hydraulic braking system, outrigger stabilization and LED lighting. The galvanized steel tilt support structure and pneumatic mast exoskeleton incorporates a safety climb system for secure and easy accesses to the mast’s optional locking mechanisms and/or secondary mast control panel. Primary mast controls are secured in a trailer-level NEMA enclosure. With the use of integrated lifting provisions and/or fork pockets, the entire mast support structure may be easily removed from its trailer for integration atop an appropriate foundation, truck bed or skid.

- Rugged and versatile design
  Allows for integration to a variety of mobile and stationary platforms
  Convenient shipping
  Transport and deployment alternatives
  Outriggers for stability

- Ease of operation
  Allows single person setup
  User-friendly and reliable pneumatic operating system
  Integrated safety features

### RD Series - Mobile Mast System

<table>
<thead>
<tr>
<th></th>
<th>RD-S</th>
<th>RD-T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevation Capability*</td>
<td>to 60 ft. / 18.3 m AGL</td>
<td>to 80 ft. / 24.4 m AGL</td>
</tr>
<tr>
<td>Elevated Payload Capability*</td>
<td>to 200 lbs. / 91 kg</td>
<td>200 lbs. / 91 kg</td>
</tr>
<tr>
<td>Payload Capacity (Trailer)</td>
<td>3,000 lbs. / 1,360 kg</td>
<td>4,500 lbs. / 2,042 kg</td>
</tr>
<tr>
<td>GVWR Capacity</td>
<td>6,000 lbs. / 2,721 kg</td>
<td>12,000 lbs. / 5,442 kg</td>
</tr>
<tr>
<td>Transport Dimensions</td>
<td>±13’7”L x 7’1”W x 7’8”H / 4 m x 2.2 m x 2.4 m</td>
<td>±16’2”L x 7’1”W x 7’8”H / 5 m x 2.2 m x 2.4 m</td>
</tr>
<tr>
<td>Deployed Dimensions</td>
<td>±13’7”L x 14’3”W / 4.1 m x 4.4 m</td>
<td>±16’2”L x 14’3”W / 5 m x 4.4 m</td>
</tr>
<tr>
<td>Axle</td>
<td>Single Torflex, 6,000 lb. capacity each / 2,721 kg</td>
<td>Tandem Torflex, 6,000 lb. capacity / 2,721 kg</td>
</tr>
<tr>
<td>Tires</td>
<td>315 / 75 R16 Mud terrain</td>
<td>315 / 75 R16 Mud terrain</td>
</tr>
<tr>
<td>LED Lights</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* Other mast heights and payload capabilities available
The Family of GEROH Light and Medium-Weight Tactical Trailers is used by the German Army and other international forces to enhance mobility and logistics capabilities throughout the battlefield. These trailer systems are especially designed for missions involving extraordinary burdens in extreme and arduous terrain.

The GEROH development department is able to fulfill the special requirements of military customers. GEROH delivers high-capacity standard solutions as well as special customized trailer systems.

Years of experience in producing trailer systems as well as close cooperation with international forces and procurement agencies makes it possible to offer the best possible trailer solutions. High payloads by low basic weights, maximum cross-country mobility, long life-expectancy and low maintenance requirements are the characteristics of all GEROH Tactical Trailers.

### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>1.0 MT 2-wheeled</th>
<th>1.7 MT 2-wheeled</th>
<th>5 MT 4-wheeled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport Platform</td>
<td>8.9 ft. x 4.9 ft. / 2.7 m x 1.5 m</td>
<td>7.2 ft. x 6.2 ft. / 2.2 m x 1.9 m</td>
<td>x</td>
</tr>
<tr>
<td>Weight</td>
<td>2,976 lbs. / 1,350 kg</td>
<td>3,747 lbs. / 1,700 kg</td>
<td>13,228 lbs. / 6,000 kg</td>
</tr>
<tr>
<td>Air Transport</td>
<td>CH-53 / C-160</td>
<td>CH-53 / C-160</td>
<td>x</td>
</tr>
</tbody>
</table>

**Essential Features**

- Maximum mobility – developed for the most difficult off-road terrain
- Maximum payloads
- Maximum mechanical load capacities
- “Off-the-shelf” solutions as well as special customized trailer solutions
- Designed for Power Generators, Water Preparation Systems, Communication Systems, Mast Systems, NBC-equipment, ATV’s, Command Post Equipment
- Long life expectancy and minimal maintenance costs
- Scenario optimized and mission tested by German Army and other forces
The Will-Burt Company (www.willburt.com), located in Orrville, Ohio, is the world’s premier manufacturer of telescoping mast and tower elevation solutions – the world’s one stop shop offering virtually every payload elevation solution from one source – for military, fire, cellular, broadcast, entertainment and other applications. Will-Burt also designs and manufactures military and other shelters made of all-composite materials that deliver higher performance at lower life cycle cost than metal or partial composite shelters. Will-Burt’s LINX security solutions provide integrated access control and intrusion detection certified to protect critical assets. Will-Burt also offers a variety of manufacturing services backed by an ISO 9001:2008 certified quality system. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.