

# STILETTO<sup>TM</sup> HD

High performance composite telescoping mast

The revolutionary Will-Burt Stiletto HD 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.

## ESSENTIAL FEATURES

- **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**  
Three locks on heavy-duty collars



## Stiletto<sup>®</sup> HD MIL-STD-810G Qualifications

High Temperature - Storage:

MIL-STD-810G, Method 501.5 PI

High Temperature - Operation:

MIL-STD-810G, Method 501.5 PII

Humidity - Aggravated:

MIL-STD-810G, Method 507.5 PII

Rain: MIL-STD-810G, Method 506.5 PII

Composite Wheeled Vehicle Vibration:

MIL-STD-810G, Method 514.6 PI Cat. 20, Fig. 514.6C-3

Rail Road Vibration:

MIL-STD-810G, Method 514.6, Cat. 11, Fig. 514.6C-10

Aircraft Propeller Vibration:

MIL-STD-810G, Method 514.6, PI Cat. 8, Fig. 514.6C-7

Functional Shock:

MIL-STD-810G, Method 516.6 PI, Table 516.6-II

Altitude - Operation: MIL-STD-810G, Method 500.5 PII

Solar Radiation Heat Loading Only:

MIL-STD-810G, Method 505.5 PI

Dust: MIL-STD-810G, Method 510.5 PI

MIL-STD-461E Qualifications:

461E, CS101, CS114, CS115, CS116, RS103

MIL-STD-461E Qualifications:

CE102, RE102, RS101 with optional equipment

## 6 meter Stiletto<sup>®</sup> HD Specifications

Extended Height (+4 in. / -0 in.)	19.7 ft. / 6 m
Nested Height (+1 in. / -0 in.)	58.2 in. / 1.48 m
Rated Payload Capacity	400 lb / 180 kg
Weight (Including Control Box & Cables)	340 lb / 154 kg
Number of Sections	9
Tube Diameter	11.06 in. to 5.06 in. / 28.1 cm to 12.9 cm
Survival Wind Speed	100 mph / 160 km/h
Erection Time with Power	35 seconds
Rotation Accuracy (Twist)	+/-1°
Voltage (MIL-STD 1275)	28 VDC
Footprint	17.56 in. x 11.19 in. / 44.6 cm x 28.5 cm
*Typical Payload Sail Area	11 ft <sup>2</sup> / 1 m <sup>2</sup> CD=1.5

\*Consult factory for larger sail area as payload and wind capacities may be reduced.  
TP-5331801-00

# CONTACT YOUR SALES REPRESENTATIVE TODAY

The Will-Burt Company, headquartered in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every payload elevation and integration solution from the top brands; Will-Burt, GEROH, Integrated Tower Systems (ITS) and MAD – for defense, government, first responders, cellular, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. All Will-Burt Company manufacturing locations are backed by a certified ISO 9001:2015 Quality Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.



[www.willburt.com](http://www.willburt.com)

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