

QEAM series

QEAM series is a reliable screw or strap drive, guyed field mast with optional vehicular mountings.

- Telescoping Sections
- Lightweight and Portable
- MIL Spec Qualified
- Reliable Drive Mechanism
- Automatic Locking
- Easy Manual Crank Up
- No Power Supply Necessary

TM 10 Antenna Mast

The TM 10 quick erecting antenna mast is designed for manual deployment of light payloads for ground mounted, vehicle and shelter deployments. Designed and qualified as the AB-1386/U for the U.S. Army CECOM QEAM program, the simple, easy to operate design, is affordable for a wide variety of mobile communication applications.

The mast assembly includes the dismount kit of guylines, guystakes and erection tools. Optional mounting brackets for HMMWV variants, APCs and shelters are available.

NSN 5985-01-381-6341

QEAM Model Options

TM 6 QEAM

6 meter model for low profile and ready deployment

TM 10 QEAM

Standard 10 meter model designed and qualified as the U.S. Army AB-1386/U

HDTM 10 QEAM

Heavy Duty 10 meter model with greater payload capacity

TM 15 QEAM

15 meter model for extended height and increased payload

TM 34 QEAM

Strap drive 34 meter model for maximum height and payload capacity

TM 10 (AB-1386/U) QEAM MIL Spec Qualifications

High Temperature to +68°C MIL-STD-810E, Method 501.3, Procedure II

Low Temperature to -51°C MIL-STD-810E, Method 502.3, Procedure I and II

Altitude MIL-STD-810E, Method 500.3, Procedure I and II

Humidity MIL-STD-810E, Method 507.3, Procedure III

Fungus MIL-STD-810E, Method 508.4

Salt Fog MIL-STD-810E, Method 509.3

Sand and Dust MIL-STD-810E, Method 510.2, Procedure I and II

Vibration, Loose Cargo Transport MIL-STD-810E, Method 514.4, Para 1-3.2.3, Category 3, Procedure II

Shock, Transit Drop MIL-STD-810E, Method 516.4, Procedure IV

Vibration, Ground Mobile MIL-STD-810E, Method 514.4, Category 8, Table 1

Ice Load MIL-STD-810E, Method 521.1

Rain MIL-STD-810E, Method 506.3, Procedure I

Immersion MIL-STD-810E, Method 512.3, Procedure I

Human Engineering MIL-STD-1472

QEAM series

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SPECIFICATIONS

MODEL

	TM 6	TM 10 (AB-1386/U)	HDTM 10	TM 15	TM 34
Nested height	5 ft. 7 in./1.7 m	8 ft./2.4 m	8 ft./2.4 m	8 ft./2.4 m	19 ft./5.8 m
Extended height	19 ft.8 in./6 m	32 ft.10 in./10 m	32 ft.10 in./10 m	50 ft./15 m	112 ft./34 m
Guying	2 level/3 way	2 level/3 way	2 level/3 way	3 level/3 way	5 level/3 way
No. of sections	5	5	6	8	7
Size/Shape	Round with full length key	Round with full length key	Round with 2 full length keys	Round with 2 full length keys	Round with 2 full length keys
Material	Aluminum 6061-T6	Aluminum 6061-T6	Aluminum 6061-T6	Aluminum 6061-T6	Aluminum 6061-T6
Weight(mast only)	30 lb./14 kg	42 lb./19 kg	110 lb./50 kg	135 lb./61 kg	300 lb./136 kg
Weight(accessory kit)	51 lb./23 kg	57 lb./26 kg	57 lb./26 kg	77 lb./35 kg	180 lb./82 kg
Payload capacity	15 lb./7 kg	15 lb./7 kg	75 lb./34 kg	75 lb./34 kg	110 lb./50 kg
Maximum sail area	6 sq. ft./0.6 m sq. CD=1.5	6 sq. ft./0.6 m sq. CD=1.5	6 sq. ft./0.6 m sq. CD=1.5	6 sq. ft./0.6 m sq. CD=1.5	10 sq. ft./0.9 m sq. CD=1.5
Ice load	0.5 in./12 mm	0.5 in./12 mm	0.5 in./12 mm	0.5 in./12 mm	Consult factory
Max. erection wind*	25 mph/40 kph	25 mph/40 kph	25 mph/40 kph	25 mph/40 kph	35 mph/56 kph
Operational wind	60 mph/97 kph	60 mph/97 kph	60 mph/97 kph	60 mph/97 kph	60 mph/97 kph
Survival wind	80 mph/128 kph	80 mph/128 kph	80 mph/128 kph	80 mph/128 kph	80 mph/128 kph
Operational stability	+/-15 degrees	+/-15 degrees	+/-15 degrees	+/-15 degrees	+/-15 degrees
Deployment time	2 persons, 7.5 min.	2 persons, 7.5 min.	3 persons, 8 min.	3 persons, 10 min.	3 persons, 30 min.
Deployment time	1 person, 15 min.	1 person, 15 min.	3 persons, 8 min.	3 persons, 10 min.	3 persons, 30 min.
Drive system	Screw drive with manual crank	Screw drive with manual crank	Screw drive with manual crank	Screw drive with manual crank	Strap drive with manual crank
Finish	Mil-F-14072	Mil-F-14072	Mil-A-8625 Type III, CL 2 Black	Mil-A-8625 Type III, CL 2 Black	Mil-A-8625 Type II, CL 2 Black

*Note: Must be guyed for wind speeds over 25 mph/40 kph SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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Vehicular Mounting Kits

Optional Vehicular Mounting Bracket Kits for QEAM series mobile applications are available in addition to the ground mount equipment (dismount kit) included with each mast. The vehicle mounting kits adapt to the standard mast for freestanding or guyed vehicular configurations. These kits must be ordered separately.



**HMMWV
Streetside
Mounting
MT-6967/G**

**Standard
Integrated
Command Post
System (SICPS)
Shelter Mount**



Dismount kit includes transport bag, guystakes, guylines, base plate, hammer and tripod.



**HMMWV Streetside
Mounting MT-6967/G**
Also available:
**APC-Tracked Vehicle
Mounting MT-6869/G**

QEAM Series holds US Patent No:
5,163,650
5,593,129
5,615,855



WILL - BURT

ISO 9001:2000
Employee Owned

The Will-Burt Company
169 South Main Street
Orrville, Ohio 44667
Ph: 330.682.7015
Fax: 330.684.1190
www.willburt.com

QEAM series
STILETTO series
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QEAM[®] series

Quick Erecting

Antenna Mast.

Your solution

to rapid mobile

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