

## QEAM MTS-Vehicle Series

The QEAM MTS-Vehicle Series from Will-Burt is a highly transportable telescopic mast ideally suited for deploying antennas and other payloads directly from a vehicle or trailer platform. High pointing accuracy is assured with 4 vertical keyways built into the carbon/glass fiber tubes. The MTS-V is elevated and retracted by strong straps that are driven manually with a manual crank system or a motorized system.

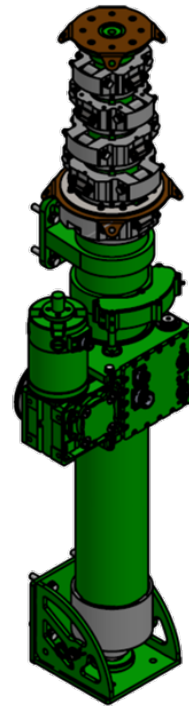
Added flexibility is available with optional field deployment kits.

The QEAM MTS-V meets the environmental requirements of MIL-STD-810 and will exceed the requirements of the mission.

*Not to be used for On-The-Move Applications*

### Essential Features

- Designed for Vehicle / Trailer Installation
- The QEAM MTS-V Series assures high pointing accuracy with 4 vertical keyways built into the carbon/glass fiber tubes.
- Composite mast sections
- Minimal payload twist
- Keyways improve pointing accuracy
- Fast and safe deployment
- Hand-operated lift system
- Optional electric lift system
- Position payload at any height
- Winch locks mast in place
- Includes all items needed to deploy
- Meets MIL-STD-810 Environmental
- Voltage - 28V (20-32V)

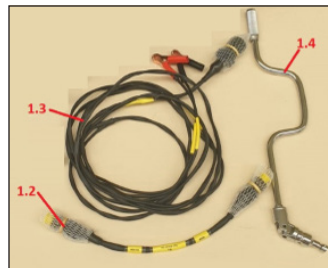
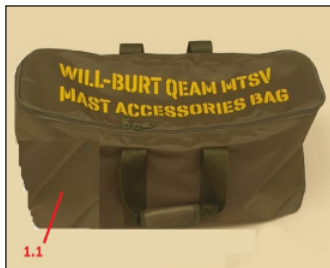


MTSV-A



MTSV-M

### MTSV Accessories



Number	Part Number	Accessory Name	Piece
1	029-91000-00	Bag 1	1
1.1	029-90033-01	Bag	1
1.2	001-90044-00	Motor Power Cable	1
1.3	001-90045-00	Power Source Cable	1
1.4	001-90066-00	Back-Up Crank Assembly	1

## Specifications - MTSV Series

MTS-V Automatic Electric Motor	3MTSV-A6-1.1	4MTSV-A6-1.3	5MTSV-A7-1.45	6MTSV-A7-1.6	8MTSV-A7-1.8
Extended Height	2.9m	3.9m	4.9m	5.9m	7.9m
Nested Height	1.1m	1.3m	1.45m	1.6m	1.8m
Number of Sections	6	6	7	7	7
Payload Capacity	55 kg	55 kg	50 kg	45 kg	40 kg
Maximum Wind Area	0.25m <sup>2</sup>	0.25m <sup>2</sup>	0.25m <sup>2</sup>	0.25m <sup>2</sup>	0.25m <sup>2</sup>
Maximum Survival Wind Speed	120 km/h	120 km/h	120 km/h	120 km/h	120 km/h
Outer Section Diameter	ø126mm	ø126mm	ø126mm	ø126mm	ø126mm
Voltage	28V (20-32V)	28V (20-32V)	28V (20-32V)	28V (20-32V)	28V (20-32V)
Mast Only Weight	29 kg	34 kg	38 kg	43 kg	49 kg
Accessories Weight with Motor	9 kg	9 kg	9 kg	9 kg	9 kg

MTSV-M Manual Hand Crank	3MTSV-M6-1.1	4MTSV-M6-1.3	5MTSV-M7-1.45	6MTSV-M7-1.6	8MTSV-M7-1.8
Extended Height	2.9m	3.9m	4.9m	5.9m	7.9m
Nested Height	1.1m	1.3m	1.45m	1.6m	1.8m
Number of Sections	6	6	7	7	7
Payload Capacity	55 kg	55 kg	50 kg	45 kg	40 kg
Maximum Wind Area	0.25m <sup>2</sup>	0.25m <sup>2</sup>	0.25m <sup>2</sup>	0.25m <sup>2</sup>	0.25m <sup>2</sup>
Maximum Survival Wind Speed	120 km/h	120 km/h	120 km/h	120 km/h	120 km/h
Outer Section Diameter	ø126mm	ø126mm	ø126mm	ø126mm	ø126mm
Mast Only Weight	27 kg	32 kg	36 kg	40 kg	46 kg
Accessories Weight	6 kg	6 kg	6 kg	6 kg	6 kg

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 mobile payload elevation and integration solution for defense, government, first responders, cellular and mobile, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. Will-Burt is an international company with offices and manufacturing in the USA, England, and Germany along with offices in Singapore and a joint venture in Turkey. 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.



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