



Will-Burt and Will-Burt Germany offer a wide variety of Portable Cellular, Broadcast and Mobile Elevation Solutions offering both short-term and long-term deployment options. Will-Burt masts and ITS towers assure optimal performance of transmission equipment by delivering elevation solutions with unsurpassed rigidity and stability.



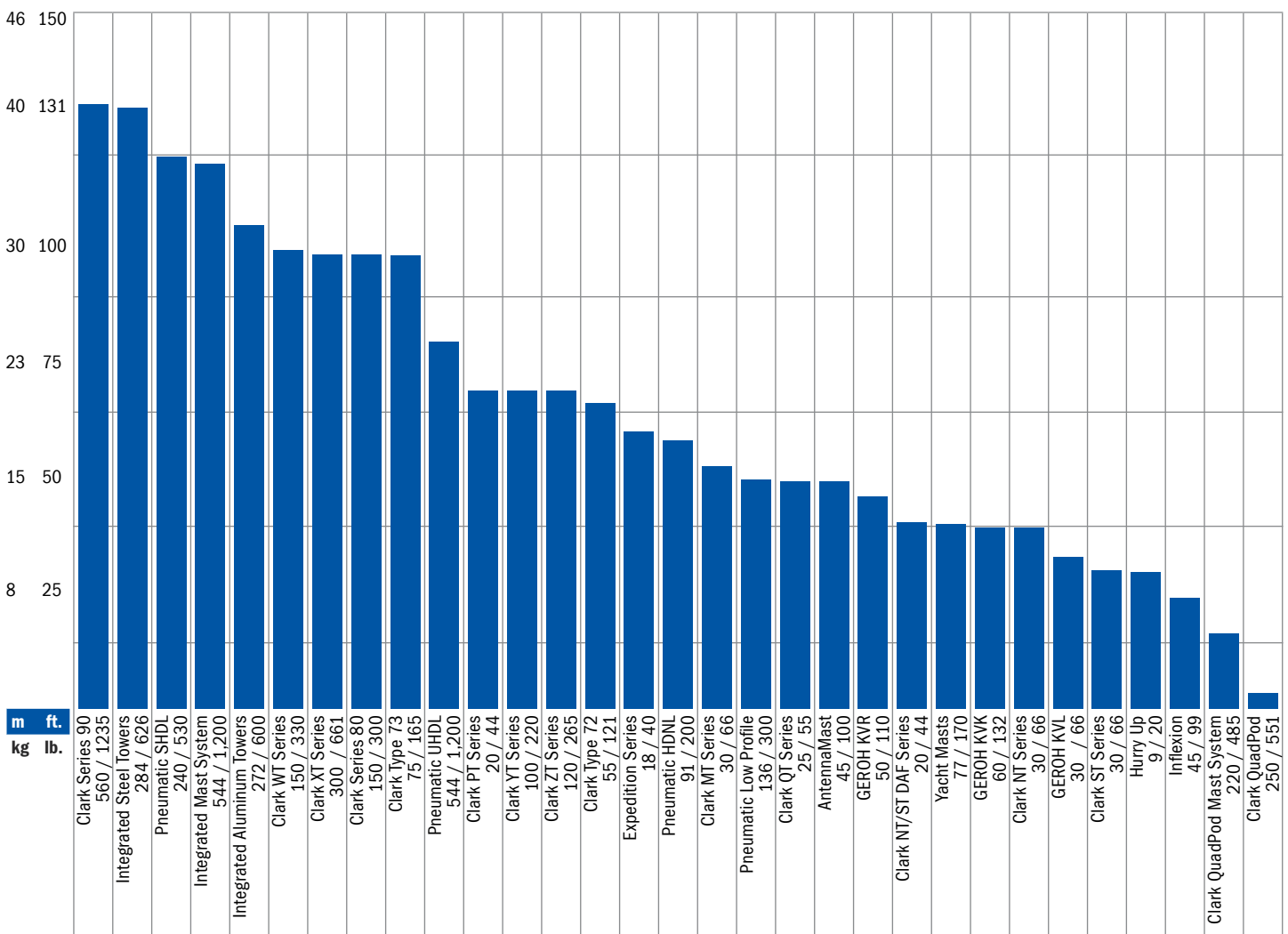
Will-Burt's extensive line of pneumatic and mechanical telescoping masts and lattice towers offer the ability to accommodate your unique requirements; whether it is a heavy payload, extremely harsh environment, off-road travel, remote location or an extended deployment period. A commercial-off-the-shelf (COTS) or custom solution will be available to meet your specifications. We offer field, trailer and truck solutions; portable tower systems, COWS and COLTS, to fulfill your long-term and temporary communication requirements.

All of our masts and tower elevation solutions are designed and manufactured to meet or exceed rigorous safety and operational requirements. You can be assured that a Will-Burt, Will-Burt Germany, or ITS elevation solution will successfully meet your specifications and provide reliable and flawless service for years.

THE ADVANTAGES OF WILL-BURT ELEVATION SOLUTIONS

- Greater stability and rigidity
- Easy one person deployment
- Long-term deployment capability
- Fast deployment and retraction time
- Large payload capacity
- Custom elevation solutions available from Will-Burt's specialized engineers

Portable Telescopic Masts and Towers Height and Payload Capabilities



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Specifications are subject to change. Consult factory for latest information.

BROADCAST / COMMUNICATIONS**PNEUMATIC LOW-PROFILE
NON-LOCKING TELESCOPING MASTS****Extended Heights up to 15.30m / Payload Capacity up to 136 kg****Internal collars deliver lower nested height.**

Today's ENG vehicles such as the Ford Transit and Nissan NV, require a high performance telescopic mast with a lower nested height in order to meet highway height restrictions.

Will-Burt's Low-Profile mast with innovative internal collar design optimizes the nested to extended height ratio for a shorter retracted mast. Each collar is stored inside the next rather than stacking the collars one on top of the other – minimizing the stowed mast height.

An integrated locking payload top plate stabilizes the payload when stowed and in transit. Lastly, Will-Burt's mast design reduces extended mast twist for the best possible video feed.

ESSENTIAL FEATURES

- Low-Nested Height
 - Internal collar design minimizes height of stowed mast
 - Design optimized for new, smaller ENG vehicles
- Precise and Stable
 - Design minimizes mast twist when extended
 - Integrated locking payload top plate stabilizes payload when in transit
- No Maintenance Required
 - No routine maintenance required under normal operating conditions
 - 5 year manufacturer warranty



Internal Collar Design
Low Nested Height



Innovative Design
Reduced Mast Twist



Locking Payload Top Plate
Stabilizes in transit payload

**SPECIFICATIONS**

Low Profile	7-27	6-29	5.3-32	7-42	6-42	7.3-50
Extended Height (m / ft.)	8.2 / 26.7	8.7 / 28.4	9.75 / 32	12.5 / 41.2	12.5 / 41.2	15.3 / 50
Nested Height (m / ft.)	2.0 / 6.5	1.8 / 6.0	1.7 / 5.3	2.1 / 6.8	1.9 / 6.3	2.3 / 7.3
*Payload Capacity (kg / lb)	136 / 300	91 / 200	91 / 200	136 / 300	91 / 200	91 / 200
Approximate Mast Weight	53 / 118	54 / 119	90 / 197	104 / 230	101 / 223	117 / 257
Sections	5	6	8	8	9	9
Tube Diameter (cm / in.)	17.15-9.53 / 6.75-3.75	7.15-7.62 / 6.75-3.0	22.86-7.62 / 9.00-3.00	22.86-9.53 / 9.00-3.75	22.86-7.62 / 9.00-3.00	22.86 - 7.62 / 9.00- 3.00
Collars	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking
Maximum Operating Pressure	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)

*Capacity will be affected by wind sail area. Consult factory. | **Internally wired versions available

PNEUMATIC NON-LOCKING TELESCOPING MASTS

Extended Heights up to 17.70m / Payload Capacity up to 544 kg

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. 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.

ESSENTIAL FEATURES

- Maintains Azimuth – Minimal Twist Deflection
 - Reliable full-length external keyways
- Reliable Operation
 - Anodized aluminum with synthetic bearings
- No maintenance required
 - No routine maintenance required under normal operating conditions
 - 5 year manufacturer warranty

SPECIFICATIONS

Super Heavy-Duty Non-Locking	10-38	12-48
Extended Height (m / ft.)	11.6 / 38.1	14.6 / 48.0
Nested Height (m / ft.)	3.0 / 9.8	3.6 / 12.0
*Payload Capacity (kg / lb)	544 / 1,200	544 / 1,200
Approximate Mast Weight (kg / lb)	181 / 400	215 / 475
Number of Sections	5	5
Tube Diameter (mm / in.)	286-191 / 11.25-7.5	286-191 / 11.25-7.5
Collars	Non-Locking	Non-Locking
Maximum Operating Pressure	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)

Heavy-Duty Non-Locking	6-25	7-30	7-42	8.5-48	8.5-52	9.5-56	9-58
Extended Height (m / ft.)	7.6 / 25.0	8.9 / 29.2	12.5 / 41.0	14.6 / 48.0	15.8 / 52.0	17.0 / 56.0	17.7 / 58
Nested Height (m / ft.)	1.8 / 5.8	2.0 / 6.7	2.1 / 6.8	2.6 / 8.5	2.5 / 8.3	2.9 / 9.5	2.7 / 8.8
*Payload Capacity (kg / lb)	91 / 200	91 / 200	91 / 200	136 / 300	91 / 200	136 / 300	91 / 200
Approx. Mast Weight (kg / lb)	50 / 110	57 / 125	107 / 235	125 / 275	121 / 266	135 / 296	132 / 290
Number of Sections	6	6	9	8	9	8	9
Tube Diameter (mm / in.)	171-76 / 6.75-3.00	171-76 / 6.75-3.00	229-76 / 9.00-3.00	9.00-3.75 / 229-95	229-76 / 9.00-3.00	229-76 / 9.00-3.00	229-76 / 9.00-3.00
Collars	Non-Locking	Non-Locking	Non-Locking	Non-Locking	Non-Locking	Non-Locking	Non-Locking
Maximum Operating Pressure	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)

**Standard-Duty Non-Locking	5-20	6-27	7-34	8-30
Extended Height (m / ft.)	6.1 / 20.0	8.2 / 27.0	10.3 / 33.8	9.1 / 29.8
Nested Height (ft. / m)	1.6 / 5.3	1.8 / 5.9	2.1 / 6.8	2.4 / 7.8
*Payload Capacity (kg / lb.)	32 / 70	18 / 40	18 / 40	45 / 100
Approximate Mast Weight (kg / lb)	21 / 45	25 / 54	31 / 67	29 / 64
Number of Sections	6	7	7	5
Collars	Non-Locking	Non-Locking	Non-Locking	Non-Locking
Tube Diameter (mm / in.)	127-64 / 5.00-2.5	127-51 / 5.00-2.00	127-51 / 5.00-2.00	127-76 / 5.00-3.00
Maximum Operating Pressure	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)

*Capacity will be affected by wind sail area. Consult factory. **Internally wired versions available

BROADCAST / COMMUNICATIONS



CLARK PNEUMATIC TELESCOPING MASTS

Clark has been dedicated to the design and manufacture of fast-erecting pneumatic telescopic and sectional mast systems for both civilian and military use since the late 1950's. Many thousands of the company's masts have been purchased by authorities around the world.

Clark now becomes a brand within the Will-Burt portfolio that will maintain its heritage of quality, performance, and world-class customer service. Clark masts are known for robust performance in the most severe environments – these masts have been tested and approved to the rigors of MIL STD 810.

The Clark range of field / vehicle / shelter lightweight and man-portable pneumatic masts are the logical choice for missions that require quick deployment of communications and surveillance equipment up to 150 kg and 30 meters.

ESSENTIAL FEATURES:

- High strength / Lightweight Aluminum Alloy
- Locking or Non-locking collars
- Rotatable or Non-rotatable masts
- Field / Vehicle / Shelter Mounting Options
- Full range of accessories
- Worldwide service and support from Will-Burt



CELLULAR / COMMUNICATIONS

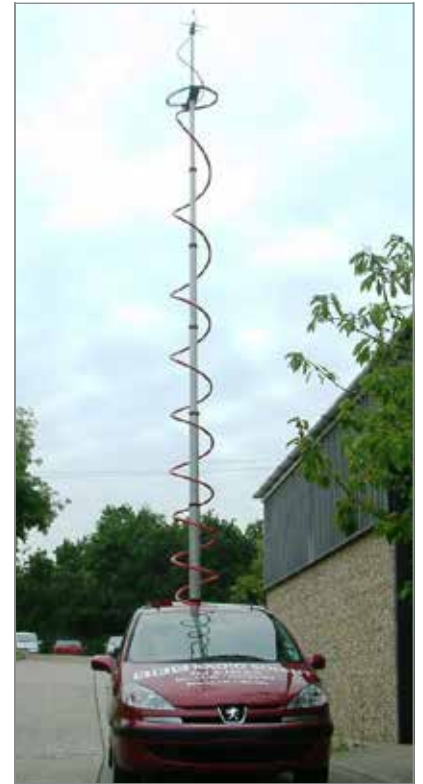
CLARK YT SERIES PNEUMATIC TELESCOPING MASTS

Extended Heights up to 21.00m /
Payload Capacity up to 100 kg

The YT Series of telescopic masts combine high payload capacity, high extended heights in relation to the retracted length. Ideal for communications offering a competitive alternative to much larger masts. YT masts are keyed to limit unwanted rotation and are coated in PTFE for optimized operation in a variety of conditions.

MAST OPTIONS

- Rotatable / Non/Rotatable
- Locking / Non-locking collars
- Foot pump / Hand pump / Compressor
- SuperTork for increased torsional stability
- Internal Extension Warning Switch



MAST ACCESSORIES

(FIELD / VEHICLE / SHELTER MOUNT)

- Four leg field set
- External Mounting
- Internal Mounting
- Guying



A four leg field set is available on the Clark YT, WT, XT, and ZT Series masts:

- (1) Field leg collar with support rings and bubble level
- (2) Adjustable stepped legs
- (2) Adjustable plain legs
- (1) Field base plate with locking ring and ball base
- (4) Ground spikes
- (1) Wheel handles

SPECIFICATIONS

Clark YT Series	YT-NP4	YT-NP 5	YT-NP 6	YT-NP 7	YT-NP 8
Extended Height (m / ft.)	7.0 / 23.0	18.0 / 59.1	21.0 / 69.0	21.0 / 69.0	21.0 / 69.0
Nested Height (m / ft.)	2.29 / 7.5	4.84 / 15.9	4.24 / 14.0	3.8 / 12.5	3.65 / 12.0
Payload Capacity (kg / lb)	100 / 221	75 / 165	40 / 88	25 / 55	15 / 33
Number of Sections	4	5	6	7	8
Base Tube Diameter (mm / in.)	127 / 5.0	127 / 5.0	127 / 5.0	127 / 5.0	127 / 5.0
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional	Optional	Optional
Maximum Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

CELLULAR / COMMUNICATIONS

PNEUMATIC LOCKING HD & SHD TELESCOPING MASTS

Extended Heights up to 36.5m / Payload Capacity up to 444 kg

Designed for extended deployment periods.

Available in both Heavy Duty and Super Heavy Duty models, these masts offer a light weight elevation solution with a high payload capacity. These vehicle or trailer mounted telescoping masts feature locking collars that allow the mast to remain extended indefinitely without air pressure. Full-length keyways maintain directional azimuth and provide precise pointing accuracy.

ESSENTIAL FEATURES

- Maintains Height Indefinitely
 - Locking collars are easy to operate
- Maintains Azimuth – Minimal Twist Deflection
 - Full-length external keyways
- No maintenance required
 - Under normal operating conditions
 - 5 year manufacturer warranty

Available with Remote Locking collars -
Improve safety for higher mast heights



SPECIFICATIONS

Heavy-Duty Locking	6-25	7-30	7-32	7-42	10-60	14.5-80
Extended Height (m / ft.)	7.62 / 25.0	8.9 / 29.2	9.45 / 31.0	12.6 / 41.3	18.3 / 60.0	24.3 / 80.0
Nested Height (m / ft.)	1.9 / 6.2	2.1 / 6.8	2.18 / 7.1	2.3 / 7.5	3.0 / 9.8	4.3 / 14.1
*Payload Capacity (kg / lb)	91 / 200	91 / 200	181 / 400	91 / 200	136 / 300	181 / 400
Approximate Mast Weight (kg / lb)	54 / 119	57 / 125	107 / 235	107 / 235	150 / 330	189 / 416
Number of Sections	6	6	7	9	8	7
Tube Diameter (mm / in.)	76-171 mm / 3.00 - 6.75	76-171 mm / 3.00 - 6.75	114-229 / 4.50 - 9.00	229-76 / 9.00 - 3.00	229-95 / 9.00 - 3.75	229-114 / 9.00 - 4.50
Collar Type	Locking with T-Handles	Locking with T-Handles	Locking with T-Handles	Locking with T-Handles	Locking with T-Handles	Locking and Trip Lines
Guying Required	Optional	Optional	Optional	Optional	Optional	4 way / 4 level
Maximum Operating Pressure	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)

Super Heavy-Duty Locking	10-44.5	9-50	10.3-60	10.8-76	11.5-76	15.7-100	18-120
Extended Height (m / ft.)	13.6 / 44.6	15.3 / 50.2	18.4 / 60.4	23.0 / 75.5	23.17 / 76.0	30.3 / 99.4	36.5 / 120
Nested Height (m / ft.)	3.05 / 10.0	2.8 / 9.1	3.18 / 10.4	3.3 / 10.8	3.5 / 11.4	4.8 / 15.7	5.6 / 18.3
*Payload Capacity (kg / lb)	444 / 980	240 / 530	240 / 530	136 / 300	181 / 400	240 / 530	240 / 530
Approximate Mast Weight (kg / lb)	142 / 313	227 / 500	227 / 500	245 / 536	278 / 613	361 / 790	417 / 920
Number of Sections	6	8	8	10	9	8	8
Tube Diameter (mm / in.)	286-172 / 11.25-6.75	288-135 / 11.25-5.25	288-135 / 11.25-5.25	288-96 / 11.25-3.75	286-108 / 11.25-4.50	288-135 / 11.25-5.25	288-135 / 11.25-5.25
Collar Type	Locking with T-Handles	Locking with T-Handles	Locking with T-Handles	Locking with T-Handles & Trip Lines	Locking and Trip Lines	Locking and Trip Lines	Locking and Trip Lines
Guying Required	Optional	Optional	Optional	Yes - 4 Way / 4 Level	Yes	Yes - 4 Way / 4 Level	Yes
Maximum Operating Pressure	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)

*Capacity will be affected by wind sail area. Consult factory.

CELLULAR / COMMUNICATIONS

CLARK WT SERIES PNEUMATIC TELESCOPING MASTS

Extended Heights up to 30.50m /
Payload Capacity up to 150 kg

The WT Series range of heavy duty pneumatic telescopic masts have a base tube diameter of six inches and a maximum of nine telescopic sections. This is an ideal telescoping communications mast.

MAST OPTIONS

- Rotatable / Non/Rotatable
- Locking / Non-locking collars
- Foot pump / Hand pump / Compressor
- SuperTork for increased torsional stability
- Internal Extension Warning Switch

MAST ACCESSORIES

(FIELD / VEHICLE / SHELTER MOUNT)

- Four leg field set
- External Mounting
- Internal Mounting
- Guying



SPECIFICATIONS

Clark WT Series	WT-NP 4	WT-NP 5	WT-NP 6	WT-NP 7	WT-NP 8	WT-NP 9
Extended Height (m / ft.)	10.0 / 32.8	15.0 / 49.2	21.42 / 70.3	21.32 / 70.0	20.02 / 65.7	30.52 / 100.0
Nested Height (m / ft.)	3.20 / 10.5	4.06 / 13.3	4.57 / 15.0	4.02 / 13.2	3.52 / 11.6	4.95 / 16.2
Payload Capacity (kg / lb)	150 / 331	120 / 265	100 / 221	65 / 143	45 / 99	20 / 44
Number of Sections	4	5	6	7	8	9
Base Tube Diameter (mm / in.)	152.5 / 6.00	152.5 / 6.00	152.5 / 6.00	152.5 / 6.00	152.5 / 6.00	152.5 / 6.00
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional	Optional	Optional	Optional
Maximum Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

CELLULAR / COMMUNICATIONS

CLARK ZT SERIES PNEUMATIC TELESCOPING MASTS

Extended Heights up to 21.00m /
Payload Capacity up to 120 kg

The ZT Series range of heavy duty pneumatic telescopic masts have a seven inch base tube diameter and a maximum of eight telescopic sections. With a large payload capacity and high stability, the ZT series is an ideal telescoping communications mast.

MAST OPTIONS

- Rotatable / Non/Rotatable
- Locking / Non-locking collars
- Foot pump / Hand pump / Compressor
- SuperTork for increased torsional stability
- Internal Extension Warning Switch

MAST ACCESSORIES

(FIELD / VEHICLE / SHELTER MOUNT)

- Four leg field set
- External Mounting
- Internal Mounting
- Guying



The Roof trolley system (above left) and internally wired option (above right) is available on Clark YT, WT, ZT, and XT Series masts

SPECIFICATIONS

Clark ZT Series	ZT 6	ZT 7	ZT 8
Extended Height (m / ft.)	18.0 / 59.1	18.0 / 59.1	21.0 / 69.0
Nested Height (m / ft.)	3.80 / 12.5	4.00 / 13.1	3.56 / 11.7
Payload Capacity (kg / lb)	120 / 265	100 / 221	70 / 154
Number of Sections	6	7	7
Base Tube Diameter (mm / in)	177.8 / 7.00	177.8 / 7.00	177.8 / 7.00
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional
Maximum Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

CELLULAR / COMMUNICATIONS

CLARK XT SERIES PNEUMATIC TELESCOPING MASTS

Extended Heights up to 30.00m /
Payload Capacity up to 300 kg

The XT Series range of heavy duty pneumatic telescopic masts have an eight inch base tube diameter with a maximum of twelve telescopic sections. The XT series is well suited for surveillance applications.

MAST OPTIONS

- Rotatable / Non/Rotatable
- Locking / Non-locking collars
- Foot pump / Hand pump / Compressor
- SuperTork for increased torsional stability
- Internal Extension Warning Switch

MAST ACCESSORIES

(FIELD / VEHICLE / SHELTER MOUNT)

- Four leg field set
- External Mounting
- Internal Mounting
- Guying



SPECIFICATIONS

Clark XT Series	XT 4	XT 5	XT 6	XT 7	XT 8	XT 9
Extended Height (m / ft.)	10.00 / 32.8	5.02 / 16.5	18.00 / 59.1	18.00 / 59.1	26.02 / 85.4	30.02 / 98.5
Nested Height (m / ft.)	3.50 / 11.5	1.55 / 5.1	4.29 / 14.1	4.15 / 13.6	4.89 / 16.0	4.93 / 16.2
Payload Capacity (kg / lb.)	300 / 661	220 / 485	150 / 331	130 / 286	130 / 286	90 / 198
Number of Sections	4	5	6	7	8	9
Base Tube Diameter (mm / in.)	203.2 / 8.00	203.2 / 8.00	203.2 / 8.00	203.2 / 8.00	203.2 / 8.00	203.2 / 8.00
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional	Optional	Optional	Optional
Maximum Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

CELLULAR / COMMUNICATIONS

ULTRA HEAVY-DUTY PNEUMATIC
LOCKING TELESCOPING MASTS

Extended Heights up to 80 ft. / Payload Capacity up to 1,200 lb

Higher payload capacity with shorter nested height.

The Ultra Heavy-Duty Pneumatic Mast with Locking Collars delivers an unparalleled combination of strength and rigidity in a design that delivers the performance of a hydraulic mast at less weight and without the need for environmentally dangerous fluids.

The Ultra Heavy-Duty mast was specifically designed for mobile communications providing better unguyed performance at lower nested heights – eliminating the need for an expensive tilt system.

ESSENTIAL FEATURES

- Strong
 - Elevates heavier loads with greater wind sail area
 - Greater unguyed performance
- Fast & Efficient
 - Lower nested height eliminates the need for costly and complicated tilt systems
 - Easier to deploy in urban areas
 - Safe long-term deployment with easy to operate positive locking pins
- Reliable
 - 5 year manufacturer warranty
 - No maintenance required
 - No hydraulic fluid concerns

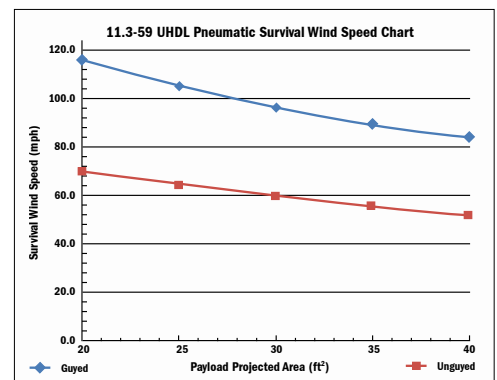
Available with Remote Locking collars -
Improve safety for higher mast heights



SPECIFICATIONS

Ultra Heavy-Duty Locking	8-39	11.3-59	9.8-65.6	13-70	14.4-80
Extended Height (m / ft.)	12.0 / 39.3	18.0 / 59.1	20.0 / 65.6	21.3 / 69.9	24.3 / 79.7
Nested Height (m / ft.)	2.4 / 7.8	3.4 / 11.1	3.0 / 9.8	4.0 / 13.1	4.4 / 14.4
*Payload Capacity (kg / lb)	444 / 980	544 / 1,200	240 / 530	544 / 1,200	544 / 1,200
Approximate Weight (kg / lb)	275 / 607	369 / 814	387 / 852	417 / 920	489 / 1,078
Number of Sections	8	7	10	7	7
Tube Diameter (cm / in.)	34.29-17.15 / 13.50-6.75	34.29-19.05 / 13.50-7.50	34.29-13.34 / 13.50-5.25	34.29-19.05 / 13.50-7.50	34.29-19.05 / 13.50-7.50
Collar Type	Locking with Super Pins	Locking with Super Pins	Locking with Super Pins	Locking with Super Pins	Locking with Super Pins
Maximum Operating Pressure	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)

*Capacity will be affected by wind sail area. Consult factory.



PNEUMATIC TELESCOPING YACHT MASTS

Extended Heights up to 12.20m

Payload Capacity up to 77 kg

Specially designed to withstand the harsh environment of the sea.

The Will-Burt Company has been designing and manufacturing mobile telescopic masts for over 40 years. These masts are designed to meet the uncompromising demands of the most demanding missions and expeditions.

Will-Burt's Yacht Masts are specifically designed to perform in harsh sea conditions.

ESSENTIAL FEATURES

- Lightweight and reliable pneumatic elevation
- Stainless steel collars and fasteners
- Aluminum mast tubes are anodized and hard-coated with Teflon® for long life and optimal performance
- Keyed mast sections minimize twist
- Internal wiring is protected from the elements
- Locking models available for long-term deployment
- Base-plate and internal mounting hardware included



SPECIFICATIONS

Non-Locking Yacht	710101690	710102140
Extended Height (m / ft.)	4.8 / 15.7	6.2 / 20.3
Nested Height (m / ft.)	2.1 / 6.8	2.4 / 7.8
Payload Capacity (kg / lb.)	77 / 170	77 / 170
Number of Sections	3	3
Base - Top Tube Diameter (cm / in.)	127-101 / 5.00-4.00	127-101 / 5.00-4.00
Collar Type	Non-Locking	Non-Locking

Locking Yacht	710201840	710202940	710203040	710203330	710903330	710203440	710203530	710203690	710204090
Extended Height (m / ft.)	5.3 / 17.5	8.9 / 29.1	9.3 / 30.5	9.8 / 32.2	9.9 / 32.5	10.2 / 33.6	10.6 / 34.8	11.0 / 36.2	12.2 / 40.0
Nested Height (m / ft.)	1.6 / 5.3	2.1 / 7.0	3.8 / 12.6	2.7 / 8.9	2.4 / 7.8	2.4 / 7.8	2.7 / 8.9	2.7 / 8.9	2.7 / 8.9
Payload Capacity (kg / lb.)	32 / 70	32 / 70	77 / 170	32 / 70	32 / 70	32 / 70	32 / 70	32 / 70	32 / 70
Number of Sections	6	6	3	6	6	6	6	6	6
Base - Top Tube Diameter (cm / in.)	127-63.5 / 5.00-2.50	127-63.5 / 5.00-2.50	127-101 / 5.00-4.00	127-63.5 / 5.00-2.50	127-63.5 / 5.00-2.50	127-63.5 / 5.00-2.50	127-63.5 / 5.00-2.50	127 - 63.5 / 5.00-2.50	127 - 63.5 / 5.00-2.50
Collar Type	Locking	Locking	Locking	Locking	Locking	Locking	Locking	Locking	Locking

MAST ACCESSORIES

REMOTE LOCKING SYSTEM FOR LOCKING PNEUMATIC MASTS

Will-Burt's patent pending Remote Locking System for pneumatic masts allows an operator to lock and unlock the mast from an assured distance. No manual interaction is required to raise or lower the mast. Operation of the system is intuitive, requiring less training and reducing the risk of operator error. The Remote Locking System is available on any Heavy-Duty pneumatic mast system or larger up to 24m / 80 ft.

FEATURES AND SPECIFICATIONS

- Ability to stand clear from payload during deployment and retraction
- Easy to understand and operate control
- Super pins for longer lock life and increased wind survival speed in guyed applications
- Close azimuth design and two full-length keys on every mast section reduces mast movement and twist
- No routine maintenance required
- Pneumatic operation requires no fluids
- Control Box included
- Optional Handheld Controller



D-TEC® SAFETY SYSTEM

The D-TEC® safety system provides overhead power line detection and above-the-mast illumination. The built-in high voltage, electromagnetic and electrostatic field detection system automatically stops mast extension, providing added protection for the operator and equipment. The D-TEC® safety system is available on vertical telescoping masts.



ESSENTIAL FEATURES:

- Dual threshold AC alert, E-Field (current) and H-Field (magnetic)
- 3-axis field detection
- LED Look-Up Light
- Audible alerts
- Alphanumeric LED display
- Built-in Emergency Bypass
- Expanded self-testing features
- Factory pre-set siren and verbal warning in English and Spanish

SPECIFICATIONS

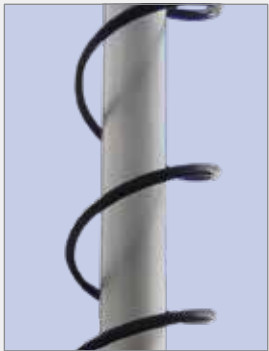
D-TEC Models		D-TEC Models (cont.)	
Detection Frequency Range	47Hz - 70 Hz	Environmental Conditions	Sensor IP67, Control IP65
Detection	Electromagnetic & electrostatic field detection	Operating Temperature	-40 to 160°F (-40 to +71°C)
Look-up Light	LED Look-up Light	Display Options (L x W x H)	8.661 x 4.784 x 4.173 in. (220 x 121.5 x 106 mm)
Power Requirements	12 VDC 10 Amps / 24 VDC 5 Amps	Sensor Housing (L x W x H)	5 x 3.6 x 5.6 in. (127 x 92 x 141 mm)
Interconnecting Cable	2 twisted pair shielded (sensor to control unit)	Rack Mount (L x W x H)	19 x 6.089 x 1.75 in. (483 x 154.7 x 44.5 mm)

EXTERNAL CABLE MANAGEMENT

NYCOIL® is a coiled conduit used to house wiring, antenna coax and positioner cable that is too large to fit inside the mast. NYCOIL® easily fits around the mast and extends neatly and compactly retracts when the mast is nested.

A variety of sizes is available from 1.27 cm (0.5 in.) to 3.2 cm (1.25 in.) in diameter with lengths available up to 30m / 100 ft.

Will-Burt also offers standard off the shelf and custom mounting and integration hardware and design solutions.



MAST ACCESSORIES

PNEUMATIC SYSTEMS

Specially designed to withstand the harsh environment of the sea.

Will-Burt offers a variety of low-maintenance pneumatic systems and hand pumps, all specifically designed for optimal performance for use with Will-Burt Telescoping Masts.

Each system is shipped completely assembled, tested and factory preset.



SPECIFICATIONS



Part Number AC Models	5766701 WB135	5857701 WB135	5802201 / 5766301 WB280	5802301 WB280	902404	903193	912361
Mast Application	Standard Duty	Standard Duty	Heavy / Super / Ultra Duty	Heavy / Super / Ultra Duty	Heavy / Super / Ultra Duty	Heavy / Super / Ultra Duty	Heavy / Super / Ultra Duty
Voltage	110VAC 60Hz	220VAC 50Hz	110VAC 60Hz	220VAC 50Hz	110VAC / 60Hz	220VAC 50Hz	220VAC 60Hz
CFM	4.7	4.7	9.8	9.8	4.4	2.01	4.4
Ltr / Min	135	135	280	280	125	57	101
Operating Temperature (°C / °F)	-10 to 55 / 14 to 131	-10 to 55 / 14 to 131	-10 to 55 / 14 to 131	-10 to 55 / 14 to 131	10 to 40 / 50 to 104	-20 to 55 / -4 to 131	10 to 40 / 50 to 104
Optional HandHeld Remote							
Protective Enclosure	x	x	x	x			
Cooling Fan					x	x	x
Air Hose with Fittings	x	x	x	x	x	x	x
Pressure Gauge	x	x	x	x	x	x	x
Pressure Switch	20 ±2 psi	20 ±2 psi	35 ±2 psi	35 ±2 psi	32 ±2 psi	32 ±2 psi	32 ±2 psi
Current Draw	7 amps	3.5 amps	14 amps	7 amps	10.6 amps	4.1 amps	5.3 amps
Weight (kg / lb.)	25 / 55	25 / 55	28 / 62	28 / 62	20 / 45	25 / 55	20 / 45
Dimensions (L x W x H) (mm / in.)	385 x 255 x 380 / 15.2 x 10.1 x 15	385 x 255 x 380 / 15.2 x 10.1 x 15	385 x 255 x 380 / 15.2 x 10.1 x 15	385 x 255 x 380 / 15.2 x 10.1 x 15	466 x 295 x 227 / 8.33 x 11.61 x 8.91	417 x 320 x 229 / 16.4 x 12.6 x 9.0	466 x 295 x 227 / 18.33 x 11.61 x 8.91



Part Number DC Models	5857801 WB135	5857901 WB135	5766801 WB135	5766901 WB135
Mast Application	Standard Duty	Standard Duty	Heavy / Super / Ultra Duty	Heavy / Super / Ultra Duty
Voltage	12VDC	24VDC	12VDC	24VDC
CFM	4.7	4.7	4.7	4.7
Ltr / Min	135	135	135	135
Operating Temperature (°C / °F)	-10 to 55 / 14 to 131	-10 to 55 / 14 to 131	-10 to 55 / 14 to 131	-10 to 55 / 14 to 131
Optional HandHeld Remote				
Protective Enclosure	x	x	x	x
Cooling Fan				
Air Hose with Fittings	x	x	x	x
Pressure Gauge	x	x	x	x
Check Valve	20 ±2 psi	20 ±2 psi	35 ±2 psi	35 ±2 psi
Current Draw	65 amps	32 amps	65 amps	32 amps
Weight (kg / lb.)	25 / 55	25 / 55	25 / 55	25 / 55
Dimensions (L x W x H) (mm / in.)	385 x 255 x 385 / 15.2 x 10.1 x 15.2	385 x 255 x 385 / 15.2 x 10.1 x 15.2	385 x 255 x 385 / 15.2 x 10.1 x 15.2	385 x 255 x 385 / 15.2 x 10.1 x 15.2

COMMUNICATIONS / SURVEILLANCE / LIGHTING

GEROH KVK (NON-LOCKING) & KVR (LOCKING) TELESCOPING CABLE DRIVE MASTS

Extended Heights up to 14.00m / Payload Capacity up to 60 kg

The GEROH KVR and KVK Telescoping Cable Drive Masts offer a lightweight yet robust mobile elevation solution, ensuring superior stability, reliability, and longevity. These telescopic mast systems, available in both non-locking (KVK) and locking (KVR) variants, are ideal for telecommunications applications, including communications, testing, surveillance, and lighting. Designed for deployment on vehicles, trailers, and shelters, they feature precision-engineered mast profiles for accurate positioning.

Equipped with two strong internal cables, powered by either a manual winch or an electric motor, these masts are protected from environmental elements. They can operate seamlessly in extreme temperatures ranging from -25°F / -32°C to +111°F / +44°C, ensuring reliable performance even in harsh conditions.

ESSENTIAL FEATURES

- Deploy to any height
- KVR has automatic internal sectional locks which engage when section is fully deployed
- Long-term deployment and guy line capable
- Precision machined sections and collars
- Maintain accurate pointing
- Powerful dual internal cable drive system
- Powered deployment and retraction in extreme environments
- Available as manual crank, analog motor, or digital motor
- Designed for trailer, shelter, or vehicle deployment
- MIL-STD 810 - F / G qualified



SPECIFICATIONS

KVK	120 - 2.5 KVK 3	120 - 4 KVK 4	145 - 6 KVK 4	145 - 8 KVK 5	170 - 10 KVK 5	170 - 12 KVK 6
Extended Height (m / ft.)	2.5 / 8.2	4.0 / 13.1	6.0 / 19.7	8.0 / 26.2	10.0 / 32.8	12.0 / 39.3
Nested Height (m / ft.)	1.14 / 3.5	1.34 / 4.3	1.9 / 6.3	2.1 / 6.9	2.5 / 8.2	2.5 / 8.2
Payload Capacity (kg / lb)	60 / 132	45 / 99	60 / 132	45 / 99	50 / 110	40 / 88
Approximate Mast Weight (kg / lb)	28 / 62	35 / 78	55 / 122	63 / 139	83 / 183	88 / 194
Number of Sections	3	4	4	5	5	6

KVR	145 - 6 KVR 5	145 - 8 KVR 5	145 - 10 KVR 5	145 - 12 KVR 5	170 - 8 KVR 5	170 - 10 KVR 5	170 - 12 KVR 5	170 - 14 KVR 5	170 - 8 KVR 6	170 - 10 KVR 6	170 - 12 KVR 6	170 - 14 KVR 6
Extended Height (m / ft.)	20 / 6	8.0 / 26.2	10.0 / 32.8	12.0 / 39.3	8.0 / 26.2	10.0 / 32.8	10.0 / 32.8	14.0 / 46.0	8.0 / 26.2	10.0 / 32.8	12.0 / 39.3	14.0 / 46.0
Nested Height (m / ft.)	5.9 / 1.8	2.2 / 7.2	2.6 / 8.5	3.0 / 9.9	2.2 / 7.2	2.6 / 8.5	3.0 / 9.9	3.4 / 11.2	2.0 / 6.6	2.3 / 7.6	2.7 / 8.9	3.0 / 9.9
Payload Capacity (kg / lb)	110 / 50	50 / 110	45 / 99	40 / 88	50 / 110	50 / 110	45 / 99	40 / 88	50 / 110	45 / 99	40 / 88	40 / 88
Approximate Mast Weight (kg / lb)	133 / 60	67 / 148	74 / 163	80 / 176	82 / 181	91 / 201	100 / 220	109 / 240	80 / 176	88 / 194	96 / 212	104 / 229
Number of Sections	5	5	5	5	5	5	5	5	6	6	6	6

Additional sizes available. Specifications are for reference only and are subject to change. Please contact Will-Burt for current and exact specifications. In addition to its masts, Will-Burt Germany also engineers and manufactures its own line of specialty single and double-axle military trailers, designed for maximum mobility with high payload capability and low curb weight.

INFLEXION™ ROOF-MOUNTED TELESCOPING MAST

Extended Heights up to 7.30m / Payload Capacity up to 45 kg

The Will-Burt Company has partnered with the industry leaders in broadcast vehicle integration for over 30 years. This has allowed Will-Burt to identify advances and changes in broadcast technology early and design elevation solutions to optimize that technology.

Inflexion™ was designed to meet the elevation requirements of smaller, advanced broadcast devices. The roof-mounted, self-contained Inflexion™ can easily be integrated onto nearly any vehicle, from traditional broadcast vans to small, front-wheel drive vehicles. This allows you to take full advantage of fuel and vehicle cost savings.

STANDARD FEATURES

- Compact, roof-mount design
 - No interior space needed
- Self-contained elevation system
 - No compressor or generator required
- Years of reliable service
 - Field proven design with over 25 years of service - 2 year manufacturer warranty
- High payload capacity and height options
 - From 1.0m / 5 ft. to 7.3m / 24 ft.
- Accommodates a variety of payloads
 - Antennas, satellite dish, radar, lighting and cameras
- 12 VDC operation
- Color
 - White
- Analog Handheld controller
 - Includes mast up/down function

OPTIONAL FEATURES

- PositionIt
 - Integrated pan and tilt positioner
- InflexionPlus
 - Accommodates full function handheld controller (sold separately)
- Color
 - Black
- Internal wiring or Nycoil
 - Consult factory for specific application
- 24 VDC operation

SPECIFICATIONS

Inflexion Models	1.0	2.3	3.0	4.5	6.0	7.5
Extended Height (m / ft.)	0.96 / 3.16	2.0 / 6.6	2.7 / 9.0	4.2 / 14.0	5.8 / 19.0	7.3 / 24.0
Stowed Dimensions (Approximate) (L x W x H (m / ft.))	1.05 x 0.38 x 0.26 / 3.45 x 1.27 x 0.81	1.1 x 0.4 x 0.28 / 3.6 x 1.3 x 0.92	1.5 x 0.4 x 0.3 / 4.8 x 1.3 x 1.0	1.8 x 0.4 x 0.3 / 5.8 x 1.3 x 1.0	2.07 x 0.4 x 0.3 / 6.8 x 1.3 x 1.0	2.44 x 0.4 x 0.3 / 8.0 x 1.3 x 1.0
*Maximum Payload Capacity (kg / lb.)	22 / 50	21 / 46	45 / 100	38 / 84	27 / 60	23 / 50
System Weight Range (kg / lb.)	27 / 60	30 / 66	47 / 105	51 / 113	56 / 124	65 / 142
Operating Temperature Range (°C / °F)	-30 to 65 / -22 to 149	-30 to 65 / -22 to 149	-30 to 65 / -22 to 149	-30 to 65 / -22 to 149	-30 to 65 / -22 to 149	-30 to 65 / -22 to 149

*The added weight of a positioner or D-TEC II will reduce maximum payload capacity. Capacity will be affected by wind sail area. Consult factory.

COMMUNICATIONS / LIGHTING



COMMUNICATIONS / SURVEILLANCE

POSITIONIT PAN AND TILT POSITIONERS

for mobile applications

The PositionIt range of pan and tilt positioners are now available with **Continuous Rotation** panning operation. All PositionIt models include improved, next-generation control electronics and software while retaining the rugged reliability of the original PositionIt range. The updated PositionIt series is fully backwards compatible regarding connection points, electronics, and software with the previous generation. Improved motor control is assured with higher resolution speed control, slower minimum speeds, and user adjustable minimum speeds and speed ramps. The GUI for configuring and commissioning allows users to set and adjust many features that were originally factory set only. It also boasts many features such as the ability to receive positional feedback, set home position and limit stops and fault diagnostics.



POSITIONIT ESSENTIAL FEATURES

- Designed, manufactured, and tested to excel in mobile applications
 - Hardened metal gears
 - MIL-STD 810 certified by independent laboratory
- Strong, lightweight construction
 - Die-cast aluminum housing
 - Stainless steel fasteners
- Regenerative Braking
 - On motor shaft
- New Graphical User Interface (GUI)
 - Greater level of control with user set features
 - Faster set-up
 - Positional feedback
- More precise than ever
 - Higher level of motor control
 - Greater positional accuracy
- Flexible Connection
 - Bottom or side
- Universal mounting plate
 - Suitable for most common payloads
- Pelco-D over RS-485 Communications
- Weather-proof
 - IP 68 Rated
- Long Operational Life
- Backwards compatible
- 2 Year warranty

POSITIONIT CONTINUOUS ROTATION SPECIFICATIONS

Model	PI-35 CR	PI-75 CR	PI-150 CR
Payload Capacity* (Nm / ft lb)	35 / 47.45	75 / 101.68	150 / 203.37
Overall Height (in. / mm)	13.4 / 341	15.1 / 383.1	15.2 / 385.1
Overall Width (in. / mm)	10.7 / 273	11.3 / 287.02	14.6 / 370.84
Overall Depth	6.1 / 154.9	7.19 / 182.67	7.19 / 182.67
Weight (lb. / kg)	25.57 / 11.6	41.45 / 18.8	46.52 / 21.1
Operating Temperature	-40°C to 60°C / -40°F to 140°F		
Pan Degrees of Rotation	0° to 360° (Continuous Rotation)		
Tilt Degrees of Rotation	+90° / -90°		
Pan Speed (Proportional)	12° / second	6.5° / second	6.5° / second
Tilt Speed (Proportional)	12° / second	5.5° / second	5.5° / second
Backlash	≤ 0.15°		
Repeatability	≤ 0.3°		
Maximum Continuous Power	44 W		
Maximum Continuous Current	1.85 amps		
Input Voltage	24 VDC		
Protocol	Pelco D used (Pelco P available)		
Ingress Protection Rating	IP68		
Baud Rate	2,400 bps (Other Baud Rates Available)		

Cable Assembly Specification

Connector Type	Circular Connector, 12 Way
Cable Type	10 Core Composite Cable
Voltage Rating	24v
Max Current Rating	3A
Temperature Range (°F / °C)	-40 to +80
Ingress Protection	IP68 Connector

*Capacity measured at 12 inches or less from the tilt axis. | Dimensions and weights are for reference only and are subject to change. Contact Will-Burt for current engineering specifications.

Pin-Out & Flying Lead Assignment			
Pin No.	PI CR Wire Identification / Color	Assignment	Maximum Current
A	N/A	N/A	N/A
B	Red	+ ve	3 A
C	Black	- ve	3 A
D	Green	Ground	1 A (24 AWG)
E	White/Brown	AUX Data	1 A (24 AWG)
F	Brown	AUX Data	1 A (24 AWG)
G	White/Yellow	Data B	N/A
H	Yellow	Data A	N/A
J	White/Blue	AUX Data	1 A (24 AWG)
K	N/A	N/A	N/A
L	COAX (RG179)	COAX (RG179-75 Ohm)	N/A
M	Blue	AUX Data	1 A (24 AWG)

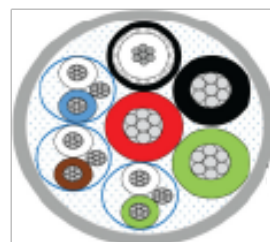
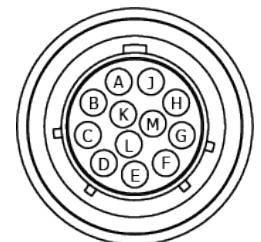


Image to show twisted pair data cables for clarity with pin-out table



Connector Face

POSITIONIT SPECIFICATIONS

PositionIt	PI-35	PI-75	PI-150
Payload Capacity* (ft lb / Nm)	47 / 35	101 / 75	202 / 150
Overall Height (mm / in.)	246 / 9.7	287.7 / 11.32	287.7 / 11.32
Overall Width (mm / in.)	273 / 10.8	234 / 9.21	314 / 12.4
Overall Depth	144 / 5.7	171 / 6.8	171 / 6.8
Weight (kg / lb.)	9 / 20	16 / 35	17 / 37
Operating Temperature (°F / °C)	-40 to 140 / -40 to 60		
IP Rating	IP68 - Waterproof (immersion) and Dustproof		
Pan Axis	400° (± 200°)		
Pan Speed (proportional)	1° to 12° seconds	0.02° to 6.5° seconds	
Tilt Axis	180° (± 90°)		
Tilt Speed (proportional)	1° to 12° seconds	0.02 to 5.5° seconds	
Backlash	≤ 0.15°		
Repeatability	≤ 0.3°		
Maximum Continuous Power	44 W		
Maximum Running Current	1.85 amps		
Input Voltage	24 VDC - Converters available for 12 VDC and AC power sources		

*Capacity measured at 12 inches or less from the tilt axis. | Dimensions and weights are for reference only and are subject to change. Contact Will-Burt for current engineering specifications.

POSITIONER RACK MOUNT CONTROLLER

Works with Will-Burt Mobile and Static Positioners

The 19-inch (2U) Rack Mount Positioner Controller from Will-Burt is loaded with new features. You will always know the status of the positioner with real-time positional, speed, and status feedback. Control multiple positioners and third-party equipment with a single controller. This controller is optimized for positioners with stow and deploy buttons located on the front panel.

The latest Positioner Controller from Will-Burt will simplify deployment and operation of communications and video equipment.

ESSENTIAL FEATURES

- LCD Home Screen displays real-time positioner information
- LCD Selector Menu provides additional control functionality
- Control third-party equipment through (7) digital discrete outputs with USB and RS-485 inputs
- Control multiple positioners in single system through address selection
- Positioner control with front panel directional push buttons and configurable 'Stow' and 'Unstow' presets
- Pelco-D over RS-485 half-duplex output to positioner
- 100-240VAC input voltage with 24VDC output voltage to positioner

POSITIONER HANDHELD CONTROLLER

The Pelco-D compatible handheld controller with LED screen has all of the features necessary to optimize the performance of the PositionIt positioner. The precision 4D joystick controller flawlessly controls the pan and tilt functions. Includes LED screen, keyboard and programmable presets that simplify operation. The positioner handheld controller can also be optionally used in conjunction with the pan and tilt positioner controller.



COMMUNICATIONS / SURVEILLANCE

POSITIONIT®



SPECIFICATIONS

Input Voltage	100-240VAC
Output Voltage	24VDC
Communication Interface	Pelco-D over RS-485 half-duplex at 2400 bps
Operating Temperature (°C / °F)	0 to 50 / 32 to 122
Dimensions (cm / in.)	48.26 x 8.81 x 29 / 19 x 3.5 x 11.7
Weight (kg / lb.)	3 / 6.6

SPECIFICATIONS

Input Voltage	12V DC
Communication Interface	RS485
Operating Temperature (°C / °F)	0 - 55 / 15 - 131
Dimensions (L x W x H) (mm / in.)	458 x 150 x 107 / 6.2 x 5.9 x 4.2

SURVEILLANCE / COMMUNICATIONS / COUNTER UAS**WILL-BURT INTEGRATION & ELEVATION SYSTEMS**

The Will-Burt Company, with the acquisition of Aluma Tower and Integrated Tower Systems (ITS) now offers Telescoping Steel and Aluminum Tower Systems AND Telescoping Pneumatic Mast Systems – an elevation solution for every need! Will-Burt is a global leader in the design, manufacture, sales and rental of an extensive and affordable line of rapid-deployment Mobile Tower & Mast Systems; Tower & Mast Integrated Trailers, Trucks, Communication-Site-on-Wheels (COWs), and Mast-, Satellite- and Tower-Integrated Mobile Command and Communication Centers. This state-of-the-art equipment is designed specifically to support a global contingent of clientele representing the following industries:

- Telecommunications, Infrastructure Development / Restoration; Tower Owners/Operators Multi-media, Broadcasting
- First Responder, Public Safety and Emergency Management; Law Enforcement, Incident Command, Search & Rescue
- National Security / Homeland Defense, Domestic & Foreign Military Initiatives; Tactical, Support Functions, and Counter UAS
- Border Security, Immigration and Customs Enforcement; Disaster Preparedness/Emergency Response
- Geophysical, Oil & Gas and Alternative Energy; Meteorological, Frequency and Weapon Systems Testing
- Transportation, Aviation, Aerospace and Construction; Entertainment, Logistics, Engineering, Municipal & Corporate Programs
- Global Support of Special Events; Political, Commercial, Industrial, Sporting, Civic and Numerous other Industries

Will-Burt's innovative rapid response systems are manufactured to both civilian and military specifications and built to withstand many of the world's most demanding environments. Will-Burt controls every aspect of manufacture and assembly through an ISO 9001:2015 certified quality management system in all manufacturing locations. Will-Burt's engineering expertise and vertical integration capabilities allows for efficient COTS products and unique custom designs for the seamless installation of common or client-specific technologies, or pre-integrated with a Will-Burt or client-furnished Communications, Surveillance, or Counter UAS Solutions. Will-Burt's rapidly deployed systems are proven key components in establishing the flow of vital information from remote and urban areas of need.



Steel Telescoping Tower
Integrated Trailer System



Telescoping Pneumatic Mast
Integrated Trailer System



Aluminum Telescoping Tower
Integrated Trailer System

COMMON USES

- | | | | |
|---|--|--|------------------------|
| • Border Security | • Lighting | • Sensor Applications | • Telecommunications |
| • Counter UAS | • Surveillance | • Systems Testing | • Temporary Cell Site |
| • Disaster Recovery /
Emergency Response | • Remote Communications
Site Security | • Energy Exploration /
Production Sites | • Lightning Protection |
| | | | • Broadcast |

SURVEILLANCE / COMMUNICATIONS / COUNTER UAS

INTEGRATED TELESCOPING STEEL TOWER SYSTEMS

Self-Support & Guyed Extended Heights up to 39.60m
Standard Payloads up to 250 kg | Upgraded Payloads up to 284 kg

Self-Support & Guyed Heights (m / ft.)						
11.6 / 38	16.8 / 55	21.9 / 72	27.1 / 89	32.3 / 106	36.6 / 120	39.6 / 130
Tower Capacity (kg / lb.)						

Standard Payloads: Up to: 250 / 550

Upgraded Payloads: Up to: 284 / 625

SRS-C SERIES – PORTABLE TOWER TRAILER



SR SERIES – MOBILE TOWER TRAILER (Multiterrain Configuration)



IT SERIES – MOBILE TOWER TRAILER (Urban Configuration)



NC/SR SERIES – COMMUNICATION-SITE- ON-WHEELS (COW) TOWER TRAILER



TMT SERIES – TRUCK MOUNTED TOWER SYSTEM



SKD SERIES – SKID MOUNTED



Representative Sample – Contact Will-Burt for Additional Options

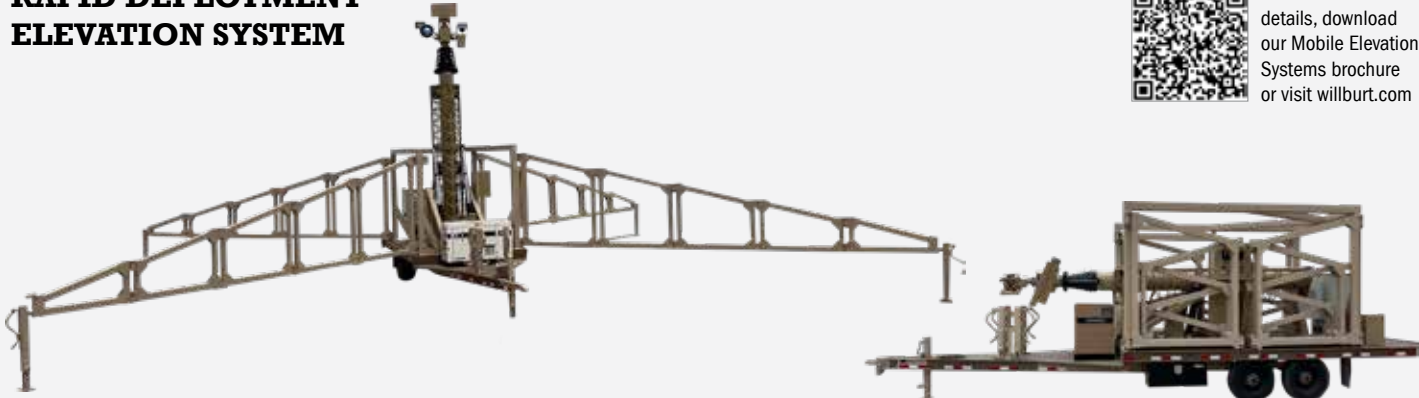
SURVEILLANCE / COMMUNICATIONS / COUNTER UAS

INTEGRATED TELESCOPING
PNEUMATIC MAST SYSTEMS

Self-Support & Guyed Extended Heights up to 36.00m
Tower Payload Capacity up to 544 kg

Self-Support & Guyed Heights (m / ft.)	Tower Payload Capacity (kg / lb.)
Ranges: 9 / 130 to 36 / 120	Up to: 544 / 1,200

**RAPID DEPLOYMENT
ELEVATION SYSTEM**

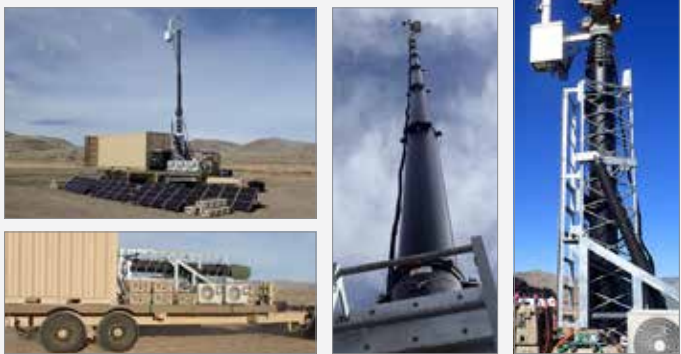


For additional details, download our Mobile Elevation Systems brochure or visit willburt.com

COW SERIES – TRAILER MOUNTED MAST
(Vertical Mast Installation)



**ULTRA MAST - INTEGRATED
SURVEILLANCE SYSTEM**



**RD-S SERIES & RD-T SERIES – TRAILER
MOUNTED MAST** (Multiterrain Configuration)



RD-S Series - Single Axle RD-T Series - Tandem Axle

**LC SERIES & MT SERIES – TRAILER
MOUNTED MAST** (Urban Configuration)



LC Series - Single Axle MT Series - Tandem Axle

Representative Sample – Contact Will-Burt for Additional Options

SURVEILLANCE / COMMUNICATIONS / COUNTER UAS

INTEGRATED TELESCOPING
ALUMINUM TOWER SYSTEMS

Unguyed Extended Heights up to 28.00m | Guyed Extended Heights up to 32.00m
Unguyed Tower Payloads up to 272 kg | Guyed Tower Payloads up to 124 kg

Unguyed Heights (m / ft.)	Guyed Heights (m / ft.)
Ranges: 11.8 / 39 to 28 / 92	Ranges: 11.8 / 39 to 32 / 106
Unguyed Tower Capacity (kg / lb.)	Guyed Tower Capacity (kg / lb.)
Ranges: 158 / 350 to 272 / 600	Ranges: 22 / 50 to 124 / 275

**Patented Tower
Section Slide
System**

Increases tower stability
by reducing tower section
movement when deployed.



**TM53-70 SUPER
SCORPION**



TM55-90



**Self-Monitoring
Systems available
with SMARTtower®
technology**

Automatically retracts tower
or sends SMS message in
severe weather allowing you
to make the final decision.

S812 WITH SHELTER



TM12



CUSTOM SOLUTIONS



SKID SYSTEM



Representative Sample – Contact Will-Burt for Additional Options

COMMUNICATIONS

**HURRY-UP PORTABLE PUSH UP
TELESCOPING MAST****Extended Heights up to 9.00m / Payload Capacity up to 9 kg**

The Hurry-Up manual push-up mast, can be extended to a full height of 30 feet (9 m) in one minute or less. The Hurry-Up mast features quick lock/release collars. Extend the mast manually by pushing up the sections and fixing them in position. This mast is ideal for fast deployment of light-weight antennas and instruments.

ESSENTIAL FEATURES

- Rigid Azimuth Locking Collars
 - Quick direction adjustments
- Black anodized finish
 - Corrosion resistant
- Simple design and operation
 - Manual push-up deployment, retraction, and locking of mast
 - Positional feedback

ACCESSORIES**(MOUNTING OPTION REQUIRED):**

- Drive-on plate mounting
 - No guylines required
- Removable payload extension stub
 - Easy payload mounting
- External support brackets
 - Permanent vehicle mounting
- Hitch Mount
 - 2" Hitch – Removable

**THREE DEPLOYMENT OPTIONS****Hitch Mount**

2" Removable Hitch

**Drive-On Plate**

No Guylines Required

**External Mount**

Shelf and Support Brackets

**SPECIFICATIONS**

Hurry-Up Models	719900790	719901610	903614	710103010
Extended Height (m / ft.)	2.1 / 6.8	5.3 / 17.3	7.6 / 24.9	9.0 / 29.5
Nested Height (m / ft.)	1 / 3.0	1.6 / 5.3	1.8 / 5.9	2.0 / 6.6
Payload Capacity (kg / lb.)	9 / 20	9 / 20	9 / 20	9 / 20
Approximate Weight (kg / lb.)	7 / 15	9 / 19	13 / 29	16 / 36
Number of Sections	3	4	6	6
Tube Diameter (mm / in.)	89-67 / 3.50-2.625	89-57 / 3.50-2.25	89-38 / 3.50-1.50	89-38 / 3.50-1.50
Collar Type	Friction Locking	Friction Locking	Friction Locking	Friction Locking
Finish	Black Anodize, MIL-A-8625, Type II, Class 2	Black Anodize, MIL-A-8625, Type II, Class 2	Black Anodize, MIL-A-8625, Type II, Class 2	Black Anodize, MIL-A-8625, Type II, Class 2

COMMUNICATIONS

CLARK QT SERIES PNEUMATIC MASTS

Extended Heights up to 15.00m

Payload Capacity up to 25 kg

The QT Range of lightweight telescopic pneumatic masts are designed to be portable and erected quickly where they are required. Available in a wide range of heights from 3m to 15m and in a range of sizes to suit varying headloads. It is a highly versatile system capable of being field mounted using a folding tripod stand or field guy set. Equally at home when mounted to a vehicle or shelter, the QT Range is designed to be versatile. Made from high strength 16 swg aluminium tube to save weight, the QT Range is non keyed and each section is fitted with a locking collar. Headloads are quickly attached using the quick clamp 24mm socket.



MAST OPTIONS

- Rotatable / Non/Rotatable
- Locking / Non-locking collars
- Foot pump / Hand pump / Compressor
- SuperTork for increased torsional stability
- Internal Extension Warning Switch

MAST ACCESSORIES

(Field / Vehicle / Shelter Mount)

- Four leg field set
- External Mounting
- Internal Mounting
- Guying



The QT Series Mk VI tripod folds vertically and is easy to carry and store. Suitable for non-rotatable masts up to 15m

SPECIFICATIONS

QT Series Models	QTL	QT	SQT	QTX
Extended Height (m / ft.)	6.0 / 19.6	10.0 / 32.8	49.2 / 15.0	49.2 / 15.0
Nested Height (m / ft.)	6.2 / 1.9	6.9 / 2.1	9.2 / 2.8	9.2 / 2.8
Payload Capacity (kg / lb)	4.5 / 10	10 / 22	22.5 / 50	25 / 55
Number of Sections	4	5	6	7
Base Tube Diameter (mm / in)	2.00 / 50.5	63.5 / 2.50	3.00 / 76.2	3.50 / 88.9
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional	Optional
Max. Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

COMMUNICATIONS

CLARK NT SERIES PNEUMATIC MASTS

Extended Heights up to 12.00m
Payload Capacity up to 50 kg

The NT Series of pneumatic telescopic masts are compact and robust with a 88.9mm base tube diameter. The NT Series has maximum of five telescopic sections and locking collars for long-term deployment.

CLARK ST SERIES PNEUMATIC MASTS

Extended Heights up to 9.00m
Payload Capacity up to 30 kg

Lightweight pneumatic mast with keyed sections for fixed or rotational payloads.



Clark NT Series



Clark ST Series

MAST OPTIONS

- Rotatable / Non/Rotatable
- Locking / Non-locking collars
- Foot pump / Hand pump / Compressor
- SuperTork for increased torsional stability
- Internal Extension Warning Switch

MAST ACCESSORIES

(FIELD / VEHICLE / SHELTER MOUNT)

- Four leg field set
- External Mounting
- Internal Mounting
- Guying



Locking and Non-Locking versions available for
Clark NT, ST, MT, & PT Series masts

SPECIFICATIONS

NT Series Models	NT-N 4	NT-N 5	NT-N 6
Extended Height (m / ft.)	8.0 / 26.3	10.0 / 32.8	12.0 / 39.4
Nested Height (m / ft.)	2.43 / 8.0	2.6 / 8.5	2.79 / 9.2
Payload Capacity (kg / lb)	30 / 66	20 / 44	9 / 20
Number of Sections	4	5	6
Base Tube Diameter (mm / in)	88.9 / 3.5	88.9 / 3.5	88.9 / 3.5
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional
Maximum Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

ST Series Models	STX-N 3	ST-N 4	ST-N 5
Extended Height (m / ft.)	9.01 / 29.6	9.00 / 29.5	9.15 / 30.0
Nested Height (m / ft.)	3.65 / 12.0	2.71 / 8.9	2.34 / 7.7
Payload Capacity (kg / lb)	30 / 66	20 / 44	9 / 20
Number of Sections	3	4	5
Base Tube Diameter (mm / in)	76.2 / 3.0	76.2 / 3.0	76.2 / 3.0
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional
Maximum Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

COMMUNICATIONS

CLARK NT / ST DAF SERIES TELESCOPING FIELD MASTS

Extended Heights up to 12.35m

Payload Capacity up to 20 kg

THE DAF (Deployable Antenna Field Kit) Series of telescopic masts is based on the ST (3" base tube) and NT (3.5" base tube) Series masts. They are sold as a field kit complete with guy kit and field legs that when folded in, the mast can be easily carried by one or two persons depending upon the model. ST and NT masts are keyed to limit unwanted rotation. Optional Internal Extension Warning Switch available.

MAST KIT CONTAINS: (FIELD MOUNT)

- DAF mast with tripod
- Hammer
- Accessory bag
- Spikes
- Guy Assembly
- Pickets



DAF Masts are ideal for rapid deployment of a wide variety of purposes



Surveillance



Weather Station



Communications



Site Security

SPECIFICATIONS

NT / ST DAF Series Models	DAF / ST 4	DAF / NT 4	DAF / NT 5
Extended Height (m / ft.)	12.35	12.35	12.00
Nested Height (m / ft.)	4.0	4.0	3.2
Payload Capacity (kg / lb)	20 / 44	20 / 44	20 / 44
Number of Sections	4	4	5
Base Tube Diameter (mm / in.)	76.2 / 3.00	88.9 / 3.50	88.9 / 3.50
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional
Max. Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

COMMUNICATIONS

CLARK MT SERIES
PNEUMATIC MASTS

Extended Heights up to 16.00m

Payload Capacity up to 30 kg

Portable and robust pneumatic mast, with keyed sections for fixed or rotational payloads. Deployed by handpump or compressor.

CLARK PT SERIES
PNEUMATIC MASTS

Extended Heights up to 21.00m

Payload Capacity up to 60 kg

PT Series masts are medium duty telescopic pneumatic masts for communications, antenna, radars, cameras, and more. Many models are available with an internal electrical or video cable. PT masts are keyed to limit unwanted rotation.



Clark MT Series



Clark PT Series

MAST OPTIONS:

- Rotatable / Non-Rotatable
- Locking / Non-locking collars
- Foot pump / Hand pump / Compressor
- SuperTork for increased torsional stability
- Internal Extension Warning Switch

MAST ACCESSORIES:

(FIELD / VEHICLE / SHELTER MOUNT)

- Four leg field set
- External Mounting
- Internal Mounting
- Guying
- Wheel handle
- Graduated collar
- Roof Trolley



A four leg field set is available on the Clark NT, ST, PT, and MT Series masts:

- (1) Field leg collar with support rings and bubble level
- (2) Adjustable stepped legs
- (2) Adjustable plain legs
- (1) Field base plate with locking ring and ball base
- (4) Ground spikes
- (1) Wheel handles

SPECIFICATIONS

MT Series Models	MT-N 5	MT-N 6
Extended Height (m / ft.)	16.0 / 52.5	16.0 / 52.5
Nested Height (m / ft.)	4.02 / 13.2	3.50 / 11.5
Payload Capacity (kg / lb)	30 / 66	15 / 33
Number of Sections	5	6
Base Tube Diameter (mm / in.)	101.6 / 4.00	101.6 / 4.00
Collar Type	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional
Max. Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

PT Series Models	PT-NP 4	PT-NP 5	PT-NP 6	PT-NP 7
Extended Height (m / ft.)	7.00 / 23.0	18.23 / 59.8	15.32 / 50.2	21.02 / 69.0
Nested Height (m / ft.)	2.29 / 7.5	4.84 / 15.9	3.35 / 11.0	4.00 / 13.1
Payload Capacity (kg / lb)	60 / 132	50 / 110	30 / 66	20 / 44
Number of Sections	4	5	6	7
Base Tube Diameter (mm / in.)	114.3 / 4.50	114.3 / 4.50	114.3 / 4.50	114.3 / 4.50
Collar Type	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking	Locking / Non-Locking
Guying Required	Optional	Optional	Optional	Optional
Max. Operating Pressure	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)	30 PSIG (2.07 bar)

CLARK QUADPOD PORTABLE PNEUMATIC FIELD MAST

Extended Height up to 1.07m

Payload Capacity up to 250 kg

The Quad Pod is a rugged, lightweight torsionally stable platform for long range EO, laser and radar equipment. The adjustable legs can cope with a ground slope of up to 12 degrees.

No tools are required for assembly and it is deployed by 2 people in under 2 minutes.

QUADPOD CONTAINS:

- QuadPod with bag
- Leg assembly and bag

SPECIFICATIONS

QuadPod	
Extended Height (m / ft.)	1.07 / 3.5
Nested Height (m / ft.)	1.07 / 3.5
Payload Capacity (kg / lb)	250 / 551
Base Tube Diameter (mm / in)	76.2 / 3.00
Collar Type	Locking
Guying Required	Optional
Maximum Operating Pressure	30 PSIG (2.07 bar)



CLARK QUADPOD PORTABLE PNEUMATIC FIELD MAST SYSTEM

Extended Heights up to 5.00m /

Payload Capacity up to 220 kg

A highly portable telescopic mast system based on our Quadpod system using a WT / ZT / XT Series telescopic mast, extending up to 5.0m maximum and with up to a 220 kg headload. Fitted as standard with a 190 mm diameter flange.

QUADPOD CONTAINS:

- QuadPod with bag
- Leg assembly and bag

QUADPOD MAST SYSTEM CONTAINS:

- WT / ZT / XT Series Mast
- Guy kit
- QuadPod
- Storage bags
- Hand pump

SPECIFICATIONS

QuadPod Mast System	
Extended Height (m / ft.)	5.00 / 16.4
Nested Height (m / ft.)	1.13 / 3.7
Payload Capacity (kg / lb)	220 / 485
Base Tube Diameter (mm / in)	WT Series: 152.4 / 6.00 ZT Series: 177.8 / 7.00 XT Series: 203.2 / 8.00
Collar Type	Locking
Guying Required	Optional
Maximum Operating Pressure	30 PSIG (2.07 bar)



COMMUNICATIONS

CLARK TYPE 72

Extended Heights up to 20.20m /
Payload Capacity up to 55 kg

Clark Type 72 sectional masts are deployed one at a time to the desired height using interlocking sections, allowing the mast to extend in conditions with high winds. All items and sections are stored in special bags and carriers for easy transportation to the required location.

CLARK TYPE 73

Extended Heights up to 29.89m /
Payload Capacity up to 75 kg

Clark Type 73 sectional masts are raised one at a time through the leg mounted mast guide box using the failsafe hoist and cross pin, giving the operator complete peace of mind. Guy wires are tensioned with the guy controllers, keeping the mast vertical and under tension at all times.

MAST OPTIONS

- Rotatable / Non/Rotatable
- Non-locking collars
- Payload Crane

MAST ACCESSORIES

(FIELD / VEHICLE / SHELTER MOUNT)

- Four leg field set
- Tripod
- Guying



Type 72



Type 72



Type 73



Type 73

SPECIFICATIONS

Clark Type 72	72-8	72-10	72-12	72-15	72-18	72-20
Extended Height (m / ft.)	8.4 / 27.6	10.2 / 33.5	12 / 39.4	14.75 / 48.4	18.40 / 60.4	20.20 / 66.3
Payload Capacity (kg / lb)	55 / 121	50 / 110	45 / 99	40 / 88	35 / 77	30 / 66
Tube Diameter (mm / in.)	76.2 / 3.00	76.2 / 3.00	76.2 / 3.00	76.2 / 3.00	76.2 / 3.00	76.2 / 3.00
Number of Sections	9	11	13	16	20	22
Standard Finish	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand
Mast Sections	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized

Clark Type 73	73-10	73-13	73-16	73-18	73-20	73-24	73-30
Extended Height (m / ft.)	10.37 / 34.0	12.81 / 42.0	16.47 / 54.0	17.69 / 58.0	20.13 / 66.0	23.79 / 78.1	29.89 / 98.1
Payload Capacity (kg / lb)	75 / 165	75 / 165	70 / 154	70 / 154	60 / 132	55 / 121	50 / 110
Tube Diameter (mm / in.)	101.6 / 4.00	101.6 / 4.00	101.6 / 4.00	101.6 / 4.00	101.6 / 4.00	101.6 / 4.00	101.6 / 4.00
Number of Sections	7	9	12	13	15	18	23
Standard Finish	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand
Mast Sections	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized

COMMUNICATIONS

CLARK SERIES 80

Extended Heights up to 30.00m /
Payload Capacity up to 150 kg

The Clark Series 80 sectional mast is similar to the Type 73 with larger extended heights. Once fully extended, the tubular mast is supported at ground level by fully adjustable field legs and a universal ball joint. A rotation lever is operated to turn the mast and lock when the desired direction is found. Guying is by stainless steel wire ropes giving full support throughout high wind speeds.

CLARK SERIES 90

Extended Heights up to 40.00m /
Payload Capacity up to 560 kg

The Clark Series 90 sectional mast is deployed using a 4-legged erection gear and centrally controlled guying system. Several masts can be erected using a single set of field legs, tube hoist and winch controllers, significantly reducing the need for multiple masts. A special version of the Series 90 sectional mast can extend up to 50m.

MAST OPTIONS

- Rotatable / Non/Rotatable
- Non-locking collars
- Payload Crane

MAST ACCESSORIES

(FIELD / VEHICLE / SHELTER MOUNT)

- Four leg field set
- Tripod (Series 80 only)
- Guying
- Quadpod (Series 90 only)

SPECIFICATIONS

Clark Series 80	80-10	80-12	80-16	80-18	80-20	80-25	80-30
Extended Height (m / ft.)	10.0 / 32.8	12.0 / 39.4	16.0 / 52.5	18.0 / 59.1	20.0 / 66.0	25.0 / 82.0	30.0 / 98.4
Vertical Payload Capacity (kg / lb)	125 / 275	125 / 275	120 / 265	120 / 265	120 / 265	110 / 243	100 / 221
Horizontal Payload Capacity (kg / lb)	150 / 330	130 / 286	120 / 265	110 / 243	100 / 221	80 / 176	70 / 154
Tube Diameter (mm / in.)	127.0 / 5.00	127.0 / 5.00	127.0 / 5.00	127.0 / 5.00	127.0 / 5.00	127.0 / 5.00	127.0 / 5.00
Number of Sections	8	10	13	15	17	20	25
Standard Finish	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand
Mast Sections	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized

Clark Series 90	90-10	90-16	90-20	90-24	90-30	90-40
Extended Height (m / ft.)	10.0 / 32.8	16.0 / 52.5	20.0 / 65.6	24.0 / 78.7	30.0 / 98.4	40.0 / 131.2
Vertical Payload Capacity (kg / lb)	300 / 661	280 / 617	250 / 992	230 / 881	200 / 441	100 / 220
Horizontal Payload Capacity (kg / lb)	560 / 1235	500 / 1102	450 / 992	400 / 882	300 / 661	200 / 441
Tube Diameter (mm / in.)	152.4 / 6.00	152.4 / 6.00	152.4 / 6.00	152.4 / 6.00	152.4 / 6.00	152.4 / 6.00
Number of Sections	5	8	10	12	15	20
Standard Finish	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand	NATO Green or Desert Sand
Mast Sections	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized	Dyed Green or Gold Anodized



COMMUNICATIONS

ANTENNAMAST MODEL AM2

Extended Heights up to 15.00m / Payload Capacity up to 45 kg

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.



AM2 with EZ Raze Payload Elevation System

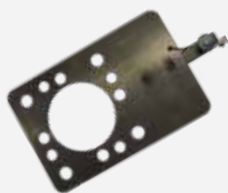
Easily elevate and lower multiple antennas and sensors



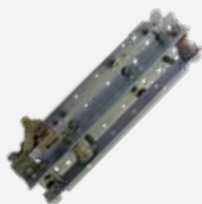
AM2 with Mast Tube Lift Winch

A full range of interchangeable accessories and payload adaptors are available for the AntennaMast

See willburt.com for complete model range



Nato Plate



EZ-Raze



Dual, Tri & Quad Arm Collar



Bolster Plate



Half Clamp

COMMUNICATIONS

SPECIFICATIONS

AM2

Height (m / ft.)	Model #	Deployable Load (kg / lb.)	Deployment Method	Deployment Time	System Weight (kg / lb.)	Guying (Primary / Secondary)	Wind Survival Speed (km/h / mph)
15.0 / 49.2	715061500	9.1 / 20	Manual	20-30 (2-4 persons)	47 / 103.6	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
14.0 / 45.9	715061400	11.3 / 25	Manual	15-20 (1-3 persons)	45.6 / 100.5	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
13.0 / 42.7	715061300	13.6 / 30	Manual	15-20 (1-3 persons)	44 / 97	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
12.0 / 39.4	715061200	15.9 / 35	Manual	15-20 (1-3 persons)	42.5 / 93.8	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
11.0 / 36.1	715061100	18.1 / 40	Manual	15-20 (1-3 persons)	41.1 / 90.5	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
10.0 / 32.8	715061000	22.7 / 50	Manual	15-18 (1-3 persons)	39.6 / 87.3	Top / Mid Guying Optional	113 / 70 @ 6.0 ft. ²
9.0 / 29.5	715060900	24.9 / 55	Manual	15-18 (1-3 persons)	38.1 / 84	Top	113 / 70 @ 6.0 ft. ²
8.0 / 26.2	715060800	24.9 / 55	Manual	15-18 (1-3 persons)	36.7 / 80.8	Top	113 / 70 @ 6.0 ft. ²
7.0 / 23	715060700	27.2 / 60	Manual	10-18 (1-2 persons)	35.2 / 77.6	Top	113 / 70 @ 6.0 ft. ²
6.0 / 19.7	715060600	27.2 / 60	Manual	10-18 (1-2 persons)	33.7 / 74.3	Top	113 / 70 @ 6.0 ft. ²
5.0 / 16.4	715060500	29.5 / 65	Manual	5-10 (1-2 persons)	32.2 / 71	Top	113 / 70 @ 6.0 ft. ²
4.0 / 13.1	715060400	34 / 70	Manual	5-10 (1-2 persons)	30.8 / 67.8	Top	113 / 70 @ 6.0 ft. ²
3.0 / 9.8	715060300	38.6 / 85	Manual	5-10 (1-2 persons)	29.3 / 64.6	Top	113 / 70 @ 6.0 ft. ²
2.0 / 6.6	715060200	45.4 / 100	Manual	5-10 (1-2 persons)	27.8 / 61.3	Top	113 / 70 @ 6.0 ft. ²

AM2 WITH MAST TUBE LIFT WINCH

Height (m / ft.)	Model #	Deployable Load (kg / lb.)	Deployment Method	Deployment Time	System Weight (kg / lb.)	Guying (Primary / Secondary)	Wind Survival Speed (km/h / mph)
15.0 / 49.2	715071500	9.1 / 20	Lift Winch	20-30 (2-4 persons)	50.2 / 110.6	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
14.0 / 45.9	715071400	11.3 / 25	Lift Winch	15-20 (1-3 persons)	48.8 / 107.5	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
13.0 / 42.7	715071300	13.6 / 30	Lift Winch	15-20 (1-3 persons)	47.4 / 104.5	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
12.0 / 39.4	715071200	15.9 / 35	Lift Winch	15-20 (1-3 persons)	45.7 / 100.8	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
11.0 / 36.1	715071100	18.1 / 40	Lift Winch	15-20 (1-3 persons)	44.2 / 97.5	Top / Mid Guying Optional	113 / 70 @ 4.0 ft. ²
10.0 / 32.8	715071000	22.7 / 50	Lift Winch	15-18 (1-3 persons)	42.8 / 94.3	Top / Mid Guying Optional	113 / 70 @ 6.0 ft. ²
9.0 / 29.5	715070900	24.9 / 55	Lift Winch	15-18 (1-3 persons)	41.3 / 91	Top	113 / 70 @ 6.0 ft. ²
8.0 / 26.2	715070800	24.9 / 55	Lift Winch	15-18 (1-3 persons)	39.8 / 87.8	Top	113 / 70 @ 6.0 ft. ²
7.0 / 23	715070700	27.2 / 60	Lift Winch	10-18 (1-2 persons)	38.4 / 84.6	Top	113 / 70 @ 6.0 ft. ²
6.0 / 19.7	715070600	27.2 / 60	Lift Winch	10-18 (1-2 persons)	36.9 / 81.3	Top	113 / 70 @ 6.0 ft. ²
5.0 / 16.4	715070500	29.5 / 65	Lift Winch	5-10 (1-2 persons)	35.4 / 78	Top	113 / 70 @ 6.0 ft. ²
4.0 / 13.1	715070400	34 / 75	Lift Winch	5-10 (1-2 persons)	33.9 / 74.8	Top	113 / 70 @ 6.0 ft. ²
3.0 / 9.8	715070300	38.6 / 85	Lift Winch	5-10 (1-2 persons)	32.5 / 71.6	Top	113 / 70 @ 6.0 ft. ²
2.0 / 6.6	715070200	45.4 / 100	Lift Winch	5-10 (1-2 persons)	31 / 68.3	Top	113 / 70 @ 6.0 ft. ²

AM2 WITH EZ RAZE PAYLOAD ELEVATION SYSTEM

Height (m / ft.)	Model #	Deployable Load (kg / lb.)	Deployment Method	Deployment Time	System Weight (kg / lb.)	Guying (Primary / Secondary)	Wind Survival (km/h / mph)
15.0 / 49.2	715191500	22.7 / 50	Carriage	20-30 (2-4 persons)	52.4 / 115.6	Top	113 / 70 @ 1.0 ft. ²
14.0 / 45.9	715191400	24.9 / 55	Carriage	15-18 (1-3 persons)	51 / 112.5	Top	113 / 70 @ 2.0 ft. ²
13.0 / 42.7	715191300	27.2 / 60	Carriage	15-18 (1-3 persons)	49.5 / 109.1	Top	113 / 70 @ 3.0 ft. ²
12.0 / 39.4	715191200	29.5 / 65	Carriage	15-18 (1-3 persons)	48 / 105.9	Top	113 / 70 @ 4.0 ft. ²
11.0 / 36.1	715191100	31.8 / 70	Carriage	15-18 (1-3 persons)	46.5 / 102.6	Top	113 / 70 @ 4.0 ft. ²
10.0 / 32.8	715191000	34 / 75	Carriage	15-18 (1-3 persons)	45.1 / 99.4	Top	113 / 70 @ 6.0 ft. ²
9.0 / 29.5	715190900	34 / 75	Carriage	15-18 (1-3 persons)	43.6 / 96.1	Top	113 / 70 @ 6.0 ft. ²
8.0 / 26.2	715190800	34 / 75	Carriage	15-18 (1-3 persons)	42.1 / 92.9	Top	113 / 70 @ 6.0 ft. ²
7.0 / 23	715190700	34 / 75	Carriage	10-18 (1-2 persons)	40.6 / 89.6	Top	113 / 70 @ 6.0 ft. ²
6.0 / 19.7	715190600	34 / 75	Carriage	10-18 (1-2 persons)	39.2 / 86.4	Top	113 / 70 @ 6.0 ft. ²
5.0 / 16.4	715190500	34 / 75	Carriage	5-10 (1-2 persons)	37.7 / 83.1	Top	113 / 70 @ 6.0 ft. ²
4.0 / 13.1	715190400	34 / 75	Carriage	5-10 (1-2 persons)	36.2 / 79.9	Top	113 / 70 @ 6.0 ft. ²
3.0 / 9.8	715190300	34 / 75	Carriage	5-10 (1-2 persons)	34.7 / 76.6	Top	113 / 70 @ 6.0 ft. ²

COMMUNICATIONS

EXPEDITION SERIES

Extended Heights up to 18.30m

Payload Capacity up to 18 kg

The lightest, most stable, single-man portable field mast in the world.

The Will-Burt Expedition Series offers a variety of added features for increased performance and convenience. The system includes a 150mm diameter payload adapter. The Ranger™ Mast has a large tripod base, making the mast very stable. It is erected with 1.2m / 4.0 ft. tube sections to heights from 2.5m / 8.0 ft. to 18.3m / 60.0 ft. A custom payload interface can be designed to fit specific needs. The Expedition Series tripod and mast are constructed of carbon composite material.

ESSENTIAL FEATURES

- 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
- Large, adjustable Tripod
- Friction Locks for height adjustment
- Ergonomic Tube Lifter
- Two Highly Visible Bubble Levels



A full range of interchangeable accessories and payload adaptors are available for the Expedition Series

See willburt.com for complete model range



EZ-Raze



Rigid Guy Collar



Swivel 4-point Guy Collar



Cup Holder



Multi-Use Adapter Plate

SPECIFICATIONS

RANGER MAST

Height (m / ft.)	Model #	Deployable Load (kg / lb.)	Deployment Method	Deployment Time	System Weight (kg / lb.)	Guying (Primary / Secondary)	Wind Survival (km/h / mph)
18.3 / 60	714076000	2.3 / 5	Manual	20-30 (2-4 persons)	40.8 / 90	Top / Mid Guying Optional	113 / 70 @ 2.0 ft. ²
17.1 / 56	714075600	2.3 / 5	Manual	20-30 (2-4 persons)	39.5 / 87	Top / Mid Guying Optional	113 / 70 @ 2.0 ft. ²
15.8 / 52	714075200	4.5 / 10	Manual	15-20 (1-3 persons)	38.1 / 84	Top / Mid Guying Optional	113 / 70 @ 2.0 ft. ²
14.6 / 48	714074800	4.5 / 10	Manual	15-20 (1-3 persons)	37.2 / 82	Top / Mid Guying Optional	113 / 70 @ 2.0 ft. ²
13.4 / 44	714074400	6.8 / 15	Manual	15-20 (1-3 persons)	35.8 / 79	Top / Mid Guying Optional	113 / 70 @ 2.0 ft. ²
12.2 / 40	714074000	9.1 / 20	Manual	15-18 (1-3 persons)	33.1 / 73	Top / Mid Guying Optional	113 / 70 @ 2.0 ft. ²
11 / 36	714073600	11.3 / 25	Manual	15-18 (1-3 persons)	31.8 / 70	Top / Mid Guying Optional	113 / 70 @ 2.0 ft. ²
9.8 / 32	714073200	13.6 / 30	Manual	15-18 (1-3 persons)	30.8 / 68	Top	113 / 70 @ 4.0 ft. ²
8.5 / 28	714072800	15.9 / 35	Manual	10-18 (1-2 persons)	29.5 / 65	Top	113 / 70 @ 4.0 ft. ²
7.3 / 24	714072400	18.1 / 40	Manual	10-18 (1-2 persons)	28.6 / 63	Top	113 / 70 @ 4.0 ft. ²
6.1 / 20	714072000	18.1 / 40	Manual	5-10 (1-2 persons)	27.2 / 60	Top	113 / 70 @ 4.0 ft. ²
4.9 / 16	714071600	18.1 / 40	Manual	5-10 (1-2 persons)	26.3 / 58	Top	113 / 70 @ 4.0 ft. ²
3.7 / 12	714071200	18.1 / 40	Manual	5-10 (1-2 persons)	25.4 / 56	Top	113 / 70 @ 4.0 ft. ²

RANGER MAST WITH EZ RAZE PAYLOAD ELEVATION SYSTEM

Height (m / ft.)	Model #	Deployable Load (kg / lb.)	Deployment Method	Deployment Time	System Weight (kg / lb.)	Guying (Primary / Secondary)	Wind Survival (km/h / mph)
18.3 / 60	714176000	13.6 / 30	Carriage	20-30 (2-4 persons)	52.2 / 115	Top	80 / 50 @ 1.0 ft. ²
17.1 / 56	714175600	15.9 / 35	Carriage	20-30 (2-4 persons)	51.3 / 113	Top	96 / 60 @ 4.0 ft. ²
15.8 / 52	714175200	15.9 / 35	Carriage	15-20 (1-3 persons)	49.9 / 110	Top	96 / 60 @ 1.5 ft. ²
14.6 / 48	714174800	18.1 / 40	Carriage	15-20 (1-3 persons)	49 / 108	Top	113 / 70 @ 1.5 sq. ft.
13.4 / 44	714174400	18.1 / 40	Carriage	15-20 (1-3 persons)	47.6 / 105	Top	113 / 70 @ 2.0 ft. ²
12.2 / 40	714174000	18.1 / 40	Carriage	15-18 (1-3 persons)	44.9 / 99	Top	113 / 70 @ 3.0 ft. ²
11 / 36	714173600	18.1 / 40	Carriage	15-18 (1-3 persons)	43.5 / 96	Top	113 / 70 @ 4.0 ft. ²
9.8 / 32	714173200	18.1 / 40	Carriage	15-18 (1-3 persons)	42.6 / 94	Top	113 / 70 @ 4.0 ft. ²
8.5 / 28	714172800	18.1 / 40	Carriage	10-18 (1-2 persons)	41.3 / 91	Top	113 / 70 @ 4.0 ft. ²
7.3 / 24	714172400	18.1 / 40	Carriage	10-18 (1-2 persons)	40.4 / 89	Top	113 / 70 @ 4.0 ft. ²
6.1 / 20	714172000	18.1 / 40	Carriage	5-10 (1-2 persons)	39 / 86	Top	113 / 70 @ 4.0 ft. ²
4.9 / 16	714171600	18.1 / 40	Carriage	5-10 (1-2 persons)	38.1 / 84	Top	113 / 70 @ 4.0 ft. ²
3.7 / 12	714071200	18.1 / 40	Carriage	5-10 (1-2 persons)	37.2 / 82	Top	113 / 70 @ 4.0 ft. ²



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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. 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.

Disclaimer: Dimensions and weights are for reference only and are subject to change. Please contact Will-Burt for current engineering specifications.



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<https://www.willburt.com/support/service/will-burt-terms-conditions-of-sale/>

March, 2026

The Will-Burt Company

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