



伸縮ポール & タワーマスト 製品紹介

WB[®]
WILL-BURT
WWW.WILLBURT.COM



Will-Burt(ウィルバート)社は放送用、携帯基地用、その他の移動体用として、伸縮ポールの使用目的や利用期間等にあつた幅広い製品を提供しています。Will-Burt社の製品とソリューションは卓越した安定性を誇り、通信機器等を安定的に高所へ設置できるため機器の動作特性を向上させることが可能です。

Will-Burt社が誇る空気圧・機械作動の伸縮ポールは豊富なラインナップで構成されており、高荷重、過酷な作業環境・悪路・遠隔地・長期の使用期間等、お客様のニーズに合わせた独自のソリューションを提供します。また、既存製品の提供にとどまらず、お客様の仕様に合わせたカスタムメイドにも対応しており、トレーラーやトラックへの装備や、移動式タワーシステム、COWS(車両搭載システム)、COLTS(軽車両搭載システム)など幅広いニーズにお応えできます。

当社の製品は、厳しい安全・使用条件を満たすよう設計・製作されています。Will-BurtそしてGerohブランドの製品は長期の使用に耐え、アフターサービスにおいてもお客様に十分満足していただけることを保証いたします。

WILL-BURT 社製品群の特徴

Will-Burt の伸縮ポールは高所における設備環境を提供し通信装置等の性能を最大限に発揮させることができます。

- 安定性・堅牢性
- 伸縮時間の短縮
- 単独操作員による操作
- 高荷重に耐えるうる強固な作り
- 長期使用に耐える高い耐久性

斬新なカスタマーソリューション

Will-Burt社の永年の経験によるお客様ニーズへの的確な対応



製品紹介



空気圧作動伸縮ポール
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INFLEXION™ ルーフ搭載型 伸縮ポール11



空気圧(ロック付)伸縮ポール
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PNEUMATIC NON-LOCKING LOW-PROFILE TELESCOPING MASTS



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.



Internal Collar Design



Low Nested Height

Innovative Design



Reduced Mast Twist

Locking Payload Top Plate



Stabilizes in transit payload

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 the payload when in transit
- **No Maintenance Required**
 - No routine maintenance required under normal operating conditions
 - 5 year manufacturer warranty

LOW-PROFILE NON-LOCKING MASTS SPECIFICATIONS

モデル*	7-27	6-29	7-42	6-42	7.3-50
最大積載量	300 lb / 136 kg	200 lb / 91 kg	300 lb / 136 kg	200 lb / 91 kg	200 lb / 91 kg
最伸長	26.7 ft. / 8.2 m	28.4 ft. / 8.7 m	41.2 ft. / 12.5 m	41.2 ft. / 12.5 m	50 ft. / 15.3 m
最縮小	6.5 ft. / 2 m	6 ft. / 1.8 m	6.8 ft. / 2.1 m	6.3 ft. / 1.9 m	7.3 ft. / 2.3 m
本体重量	118 lb / 53 kg	119 lb / 54 kg	230 lb / 104 kg	223 lb / 101 kg	257 lb / 117 kg
伸縮ポール数	5	6	8	9	9
ポール口径	6.75 in. / 17.15 cm through 3.75 in. / 9.53 cm	6.75 in. / 17.15 cm through 3 in. / 7.62 cm	9 in. / 22.86 cm through 3.75 in. / 9.53 cm	9 in. / 22.86 cm through 3 in. / 7.62 cm	9 in. / 22.86 cm through 3 in. / 7.62 cm
ロックタイプ	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking	Internal, Non-Locking
最大動作圧力	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.

空気圧式 伸縮ポール



民間分野および軍事分野で30年以上使われているWill-Burt社の製品は高所設置機器用として放送・移動体通信・その他の分野で多く使用され、その性能が実証されています。

Will-Burtの製品は信頼性と安定性を重視して設計されており、厳しい動作環境においても長年にわたり安定した品質を提供し続けてきました。

- 特長 1: 位置精度
2本の外部溝による正確な位置の保持
- 特長 2: 放送機器の機能向上
データ送受信のサポート
- 特長 3: 顧客ニーズにあわせた設計・製作
- 様々なご要望に合わせ相談に応じます

超高荷重仕様

モデル	10-38	12-48
最大積載量*	1,200 lb / 544 kg	1,200 lb / 544 kg
最伸長	38 ft. / 11.6 m	48 ft. / 14.6 m
最縮小	10 ft. / 3 m	12 ft. / 3.6 m
本体重量	400 lb / 181 kg	475 lb / 215 kg
伸縮ポール数	5	5
ポール口径	11.25 in. - 7.5 in. / 286-191 mm	11.25 in. - 7.5 in. / 286-191 mm
最大動作圧力	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)



高荷重仕様

モデル	6-25	7-30	7-42	8.5-48	8.5-52	9.5-56	9-58
最大積載量*	200 lb / 91 kg	200 lb / 91 kg	200 lb / 91 kg	300 lb / 136 kg	200 lb / 91 kg	300 lb / 136 kg	200 lb / 91 kg
最伸長	25 ft. / 7.6 m	29 ft. / 8.9 m	41.2 ft. / 12.5 m	48 ft. / 14.6 m	52 ft. / 15.8 m	56.2 ft. / 17 m	58 ft. / 17.7 m
最縮小	5.8 ft. / 1.8 m	6.7 ft. / 2 m	7 ft. / 2.1 m	8.5 ft. / 2.6 m	8.3 ft. / 2.5 m	9.5 ft. / 2.9 m	9 ft. / 2.7 m
本体重量	110 lb / 50 kg	125 lb / 57 kg	235 lb / 107 kg	275 lb / 125 kg	266 lb / 121 kg	296 lb / 135 kg	290 lb / 132 kg
伸縮ポール数	6	6	9	8	9	8	9
ポール口径	6.75-3 in. / 171-76 mm	6.75-3 in. / 171-76 mm	9-3 in. / 229-76 mm	9-3.75 in. / 229-95 mm	9-3 in. / 229-76 mm	9-3.75 in. / 229-95 mm	9-3 in. / 229-76 mm
最大動作圧力	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)

標準仕様

*Internally wired versions available

モデル	5-20	6-27	7-34	8-30
最大積載量*	70 lb / 32 kg	40 lb / 18 kg	40 lb / 18 kg	100 lb / 45 kg
最伸長	20 ft. / 6.1 m	27 ft. / 8.2 m	33.8 ft. / 10.3 m	29.8 ft. / 9.1 m
最縮小	5.3 ft. / 1.6 m	6 ft. / 1.8 m	7 ft. / 2.1 m	8 ft. / 2.4 m
本体重量	45 lb / 21 kg	54 lb / 25 kg	67 lb / 31 kg	64 lb / 29 kg
伸縮ポール数	6	7	7	5
ポール口径	5-2.5 in. / 127-64 mm	5-2 in. / 127-51 mm	5-2 in. / 127-51 mm	5-3 in. / 127-76 mm
最大動作圧力	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)	20 PSIG (1.4 bar)

* 重量は風等の天候状況に左右されます。弊社までご連絡ください。

ロック式空気圧伸縮ポール



長期使用目的に最適なシステム

当製品は、高荷重用と超高荷重用と2つのモデルがあり、広い高所作業スペースを提供します。

車両、トレーラー搭載用の伸縮ポールは各伸縮部でロックされ空気を抜いても正確な高さを維持します。最伸張部においても正確な高度、方位、傾きを維持します。Standard models are available in heights from 30 ft. / 8.9 m to 134 ft. / 40.8 m with payload capabilities up to 450 lbs. / 205 kg.

- 特長 1: 高度の保持
安易なロック操作
- 特長 2: 位置、向き、傾きの保持
外部ガイドレール
- 特長 3: 長期使用、低い保守費用、容易なメンテナンス
サビに強いアルミニウム・ステンレス合金製ベアリング
- 特長 4: 顧客ニーズにあわせた設計・製作様々なご要望に合わせ相談に応じます



超高荷重(ロック式)仕様

モデル	7-30	7-42	10-60	14.5-80	17-100	20-134
最大積載荷重*	200 lb. / 91 kg	200 lb. / 91 kg	300 lb. / 136 kg	400 lb. / 181 kg	400 lb. / 181 kg	300 lb. / 136 kg
最伸長	29 ft. 1 in. / 8.9 m	41 ft. 3 in. / 12.6 m	59 ft. 9 in. / 18.3 m	79 ft. 9 in. / 24.3 m	99 ft. 9 in. / 30.4 m	133 ft. 9 in. / 40.8 m
最縮小	7 ft. / 2.1 m	7 ft. 9 in. / 2.3 m	10 ft. 1 in. / 3m	14 ft. 3 in. / 4.3 m	17 ft. 2 in. / 5.2 m	20 ft. 2 in. / 6.1 m
本体重量	125 lb. / 57 kg	235 lb. / 107 kg	330 lb. / 150 kg	416 lb. / 189 kg	480 lb. / 218 kg	600 lb. / 273 kg
伸縮ポール数	6	9	8	7	7	8
ポール口径	6.75-3 in. / 171-76 mm	9-3 in. / 229-76 mm	9-3.75 in. / 229-95 mm	9-4.5 in. / 229-114 mm	9-4.5 in. / 229-95 mm	9-3.75 in. / 229-95 mm
ロックタイプ	Tハンドル・ロック	Tハンドル・ロック	Tハンドル・ロック	Tハンドル・ロック	トリップライン・ロック	トリップライン・ロック
ガイドワイヤー	不要	不要	不要	4 way / 4 level	4 way / 4 level	4 way / 5 level
最大動作圧力	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)

高荷重(ロック式)仕様

モデル	9-50	10.3-60	10.8-76	15.7-100
最大積載荷重*	530 lb. / 240 kg	530 lb. / 240 kg	300 lb. / 136 kg	530 lb. / 240 kg
最伸長	50 ft. 5 in. / 15.3 m	60 ft. 6 in. / 18.4 m	76 ft. 2 in. / 23 m	100 ft. 5 in. / 30.3 m
最縮小	9 ft. 2 in. / 2.8 m	10 ft. 5 in. / 3.18 m	10 ft. 9 in. / 3.3 m	15 ft. 8 in. / 4.8 m
本体重量	500 lb. / 227 kg	500 lb. / 227 kg	536 lb. / 245 kg	790 lb. / 361 kg
伸縮ポール数	8	8	10	8
ポール口径	11.25 - 5.25 in. / 288-135 mm	11.25 - 5.25 in. / 288-135 mm	11.25 - 3.75 in. / 288-96 mm	11.25 - 5.25 in. / 288-135 mm
ロックタイプ	Tハンドル・ロック	Tハンドル・ロック	Tハンドル・ロック	トリップライン・ロック
最大動作圧力	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)	35 PSIG (2.4 bar)

上記寸法は車載モデルでは異なります。寸法は予告なしに変わることがあります。*重量は風等天候の状況に左右されます。弊社までご連絡ください。

PNEUMATIC LOCKING ULTRA HEAVY-DUTY TELESCOPING MASTS



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.

• Strong

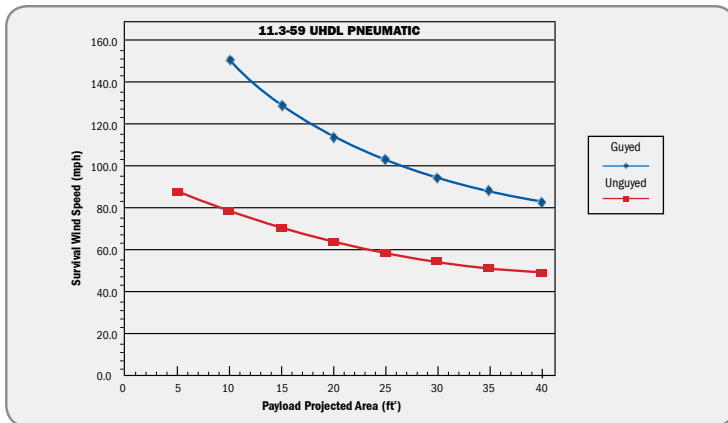
- Elevates heavier loads with greater wind sail area
- Greater unguyed performance
- Close azimuth for less twist for signal accuracy

• 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



ULTRA HEAVY DUTY LOCKING MASTS SPECIFICATIONS

モデル	8-39	11.3-59	9.8-65.6
最大積載荷重*	980 lbs. / 444 kg	1200 lbs. / 544 kg	530 lbs. / 240 kg
最伸長	39.3 ft. / 12 m	59 ft. / 18 m	65.6 ft. / 20 m
最縮小	7.9 ft. / 2.4 m	11.3 ft. / 3.4 m	9.8 ft. / 3 m
本体重量	786 lbs. / 357 kg	880 lbs. / 399 kg	852 lbs. / 387 kg
伸縮ポール数	8	7	10
ポール口径	13.5 in. / 34.29 cm through 6.75 in. / 17.15 cm	13.5 in. / 34.29 cm through 7.5 in. / 19.05 cm	13.5 in. / 34.29 cm through 5.25 in. / 13.34 cm
ロックタイプ	Locking with Super Pins	Locking with Super Pins	Locking with Super Pins
最大動作圧力	35 psig (2.4 bar)	35 psig (2.4 bar)	35 psig (2.4 bar)
Example #1: Survival Wind Speed Unguyed: 1,200 lbs. and 21.5 ft. ² sail area (Cd = 1.5)		56 mph (unguyed)	
Example #2: Survival Wind Speed Unguyed: 1,200 lbs. and 7 ft. ² sail area (Cd = 1.5)		80 mph (unguyed)	
Example #3: Survival Wind Speed with Optional Guying: 1,200 lbs. and 21.5 ft. ² sail area (Cd = 1.5)		80 mph (guyed)	
Example #4: Survival Wind Speed Unguyed: 440 lbs. and 6 ft. ² sail area (Cd = 1.0)			65 mph (unguyed)
Example #5: Survival Wind Speed with Optional Guying: 440 lbs. and 6 ft. ² sail area (Cd = 1.0)			76 mph (guyed)

*Dimensions provided are for reference only and are not intended for vehicle design purposes. Specifications subject to change without notice. *Capacity will be affected by wind sail area. Consult factory.

空気圧システム

Will-Burt offers a variety of low maintenance oil-less air compressor systems, all specifically designed for optimal performance for use with Will-Burt Telescoping Masts. These pneumatic systems include only the highest quality components available to ensure the system provides years of trouble-free service.



AC Models	5255802	5255801	902404	903193	912361
Mast Application	All	All	All	Standard	All
Voltage	110VAC / 50Hz & 60Hz	230VAC / 50Hz & 60Hz	110VAC / 60Hz	220VAC / 50Hz	220VAC / 60Hz
CFM	6.5	6.5	4.4	2.01	4.4
Ltr / Min	185	185	125	57	101
Operating Temperature	-4°F to 122°F / -20°C to 50°C	-4°F to 122°F / -20°C to 50°C	50°F to 104°F / 10°C to 40°C	50°F to 104°F / 10°C to 40°C	50°F to 104°F / 10°C to 40°C
HandHeld Remote Control	x	x	Optional	Optional	Optional
Protective Enclosure	x	x			
Cooling Fan	x	x	x	x	x
Air hose w/Fittings	x	x	x	x	x
Pressure Gauge	x	x	x	x	x
Check Valve	x -cut out 32 ±2 psi	x -cut out 32 ±2 psi	x -cut out 32 ±2 psi	x -cut out 32 ±2 psi	x -cut out 32 ±2 psi
Current Draw	10 amp	5.1 amp	10.6 amp	4.1 amp	5.3 amp
Weight	25.4 lb / 11.5 kg	36.4 lb / 16.5 kg	45 lb / 20.4 kg	55 lb / 24.95 kg	45 lb / 20.4 kg
Dimensions	8" W x 11.6" H x 11.9" D / 203mm W x 295mm H x 302mm D	8" W x 11.6" H x 11.9" D / 203mm W x 295mm H x 302mm D	15" W x 8.91" H x 11.61" D / 381mm W x 227mm H x 295mm D	12.6" W x 9.0" H x 16.8" D / 320mm W x 229mm H x 427mm D	15" W x 8.91" H x 11.61" D / 381mm W x 227mm H x 295mm D



DC Models	5059901	5059902	5058501	5058502
Mast Application	Standard	Standard	All	All
Voltage	12VDC	24VDC	12VDC	24VDC
CFM	1.4	1.4	6.1	6.7
Ltr / Min	40	40	173	191
Operating Temperature	-4°F to 122°F / -20°C to 50°C	-4°F to 122°F / -20°C to 50°C	-4°F to 122°F / -20°C to 50°C	-4°F to 122°F / -20°C to 50°C
HandHeld Remote Control	x	x	x	x
Protective Enclosure	x	x	x	x
Cooling Fan			x	x
Air hose w/Fittings	x	x	x	x
Pressure Gauge	x	x	x	x
Check Valve	x -cut out 15 ±2 psi	x -cut out 15 ±2 psi	x -cut out 32 ±2 psi	x -cut out 32 ±2 psi
Current Draw	12 amp	8 amp	55 amp	30 amp
Weight	17.6 lbs. / 8 kg	17.6 lbs. / 8 kg	29.8 lbs. / 13.5 kg	29.8 lbs. / 13.5 kg
Dimensions	5.2" W x 10.6" H x 9.2" D / 131mm W x 267mm H x 233mm D	5.2" W x 10.6" H x 9.2" D / 131mm W x 267mm H x 233mm D	8" W x 11.6" H x 11.7" D / 203mm W x 295mm H x 298mm D	8" W x 11.6" H x 11.7" D / 203mm W x 295mm H x 298mm D

MAST ACCESSORIES

D-TEC II® 安全装置

D-TEC II® 安全装置は上方の電線や障害物を検知し、またマスト上部に安全のための認識用照明を点灯させます。内蔵された検知器が自動的に展伸動作を停止させ作業員の安全や機器の保全を確保します。



D-TEC II® 安全装置は垂直伸縮式ポール用のシステムです

D-TEC II® 安全装置仕様:

- 安全照明: 伸縮ポールの上部を直接照らし出します
- 高圧電源検知器: 高圧電源線を自動感知します
- 障害物検知器: 上方の障害物を検知しポールの展伸動作を自動的に停止させます



検知器	AC電圧, 電磁および静電界検知
照明灯	LED 照明
障害物検知器	2.4m 近接
傾き警報感知器	10° 以上
電源	12 VDC, 10 amp
接続ケーブル	ツイストペアケーブル2本 (検知器から制御ユニット)
環境条件	検知器 IP67、制御器 IP65



NYCOIL® 外付けケーブル・マネージャー

「NYコイル」は、コイル状の導管でポール内部に収納できない通信線、同軸ケーブルを収納します。「NYコイル」はポールの周囲に巻き付き、ポールの動作に合わせて伸縮します。

直径は1.27 cm - 3.2 cm、長さは 30 m



ポールのコーティングについて

Will-Burt社の「ルコン24」仕上げは、特許製法により酸化させたアルミニウム

ム・ポールの表面にテフロン樹脂を蒸着させて行います。この仕上げにより、あらゆる天候に対応するとともに製品耐用年数を大幅に延長させました。このことは軍事用途を含むあらゆる環境下で既に実証されています。

WILL-BURT社は標準製品だけでなくカスタムメイドの製品開発もご提供します。

GEROH クランク型伸縮ポール

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.

ESSENTIAL FEATURES

- **Automatic locking system (KVR)**
 - Deploy at any height
- **Precision tube fit**
 - Maintains azimuth
- **Powerful cable drive system**
 - Deploy and retract in extreme weather conditions
- **Optional motor drive system**
- **Designed for trailer, shelter, vehicle or field mounting**
- **MIL-STD 810-F qualified**
- **MIL-STD 810-G qualified**
- **Field Deployment Kit Optional**



モデル	2.5 KVL 3	4 KVL 4	6 KVL 5	8 KVL 5	10 KVL 6	12 KVL 6
最伸長	8.2 ft. / 2.5 m	13.1 ft. / 4 m	19.6 ft. / 6 m	26.2 ft. / 8 m	32.8 ft. / 10 m	39.2 ft. / 12 m
最縮小	3.5 ft. / 1.1 m	4.2 ft. / 1.3 m	5 ft. / 1.5 m	6.2 ft. / 1.9 m	6.9 ft. / 2.1 m	7.9 ft. / 2.4 m
最大積載荷重*	55 lb / 25 kg	55 lb / 25 kg	55 lb / 25 kg	44 lb / 20 kg	33 lb / 15 kg	33 lb / 15 kg
本体重量	35 lb / 16 kg	45 lb / 20.5 kg	53 lb / 24 kg	68 lb / 31 kg	88 lb / 40 kg	99 lb / 45 kg
ポール数	3	4	5	5	6	6

モデル	2.5 KVR 3	4 KVR 3	6 KVR 5	8 KVR 5	10 KVR 6	12 KVR 6	14 KVR 5	18 KVR 6
最伸長	8.2 ft. / 2.5 m	13.1 ft. / 4 m	19.6 ft. / 6 m	26.2 ft. / 8 m	32.8 ft. / 10 m	39.2 ft. / 12 m	45.9 ft. / 14 m	59.1 ft. / 18 m
最縮小	3.9 ft. / 1.2 m	5.5 ft. / 1.7 m	5.5 ft. / 1.7 m	6.9 ft. / 2.1 m	7.5 ft. / 2.3 m	8.5 ft. / 2.6 m	10.8 ft. / 3.3 m	11.9 ft. / 3.6 m
最大積載荷重*	154 lb / 70 kg	143 lb / 65 kg	154 lb / 70 kg	154 lb / 70 kg	110 lb / 50 kg	110 lb / 50 kg	88 lb / 40 kg	80 lb / 40 kg
本体重量	66 lb / 30 kg	77 lb / 35 kg	110 lb / 50 kg	134 lb / 61 kg	187 lb / 85 kg	205 lb / 93 kg	187 lb / 85 kg	271 lb / 123 kg
ポール数	3	3	5	5	6	6	5	6

*重量は風等の天候状況に左右されます。弊社までお問い合わせください。

INFLEXION™

INFLEXION™ルーフ搭載型伸縮ポール



Will-Burt社は放送車両用伸縮ポールの世界的リーダーであるInflexion™ (インフレクション)社と30年以上の提携関係にあります。これにより、いち早く業界の動向を察知しニーズにあったソリューションを提供してまいりました。

Inflexion™社の製品は主に小型車両向けに設計されておりルーフ搭載自立型の製品は従来の大型放送車両だけでなく、小型の前輪駆動車まであらゆるタイプの車両に容易に搭載可能です。そのため車両の維持費を大幅に抑えることができます。



STANDARD FEATURES

- 特長 1:コンパクトでルーフ搭載が可能
車内は自由に使えます
- 特長 2:自立型伸縮機能
発電機もコンプレッサーも必要ありません
- 特長 3:永年にわたり培われた信頼性
25年以上にわたる実績があります
- 特長 4:大容量のペイロードと高さのオプション積載量は27 kg~45 kg、高さは1.5 mから 7.5 mまで対応
- 特長 5:ペイロードの多様性 無線用アンテナ・衛星アンテナ、レーダー、照明及びカメラなど
- 12 VDC operation
- Color
 - White
- Analog Handheld controller
 - Includes mast up/down function

OPTIONAL FEATURES

- InflexionPlus
 - Accomodates full function handheld controller (sold separately)
- Color
 - Black
- Internal wiring or Nycoil
 - Consult factory for specific application
- 24 VDC operation

INFLEXION™ 製品仕様:

モデル	1.5	2.3	4.5	6.0	7.5
最大 最大積載荷重*	55" / 140 cm	79" / 200 cm	168" / 427 cm	228" / 579 cm	287" / 729 cm
最伸長	60 lbs. / 27 kg	60 lbs. / 27 kg	100 lbs. / 45 kg	70 lbs. / 31 kg	57 lbs. / 25 kg
最縮小 L x W x H	66" x 12" x 12" / 165 x 30 x 29	43" x 16" x 11" / 110 x 38 x 23	63" x 16" x 12" / 159 x 40 x 29	80" x 16" x 11" / 202 x 40 x 28	91" x 16" x 11" / 223 x 40 x 28
本体重量	52 lbs. / 24 kg	66 lbs. / 30 kg	110 lbs. / 50 kg	123 lbs. / 56 kg	134 lbs. / 61 kg
Operating Temperature Range	-22°F to +149°F / -30°C to +65°C				

*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.

RIBBONLift™

RIBBONLIFT™ ELEVATION

Designed to meet the demands of the entertainment industry, the RibbonLift is able to accomplish a multitude of positioning tasks elegantly and unobtrusively. The nearly silent mechanics will not cause a distraction during a performance and the low retracted profile and slender column will not interfere with the sight lines of the audience. Designed to meet the demands of indoor venues, the RibbonLift is able to accomplish a multitude of positioning tasks elegantly and unobtrusively. The RibbonLift's compact design makes it well-suited for quick repositioning during performances and fast tear down when it is time to move to the next venue. The RibbonLift extends and retracts quickly with the push of a button and provides nearly unlimited flexibility when it comes to speed and height positioning. The RibbonLift's unrivaled ability to securely position significant loads at great heights has made it the preferred positioning solution in the entertainment industry.

ADVANTAGES OF PATENTED RIBBONLIFT TECHNOLOGY

- **Compact**
 - Low retracted height
- **Unobtrusive when extended**
- **Stable**
 - Strong, interlocking ribbons of stainless steel
- **Quiet**
 - Will not disturb the performance
- **Precise positioning with speed control**
- **Portable design**
- **Flexible**
 - Use upright or inverted

RIBBONLIFT™ SPECIFICATIONS

Not Intended for a Personnel Lift - Indoor Use Only

モデル	2-10	3-12	4-15	6-20	12-25
垂直上昇最大積載荷重 (屋内用)	20 lb / 9.1 kg	50 lb / 22 kg	115 lb / 52 kg	200 lb / 90 kg	400 lb / 181 kg
最伸長(屋内用)	10 ft. / 3 m	12 ft. / 3.7 m	15 ft. / 4.5 m	20 ft. / 6.1 m	25 ft. / 7.6 m
吊下げ時の最大荷重	40 lb / 18.1 kg	100 lb / 45 kg	250 lb / 113 kg	400 lb / 181 kg	800 lb / 363 kg
格納時の長さ(ケーブル収納部分を含む)	N/A	20 in. / 51 cm	26 in. / 66 cm	40 in. / 101 cm	45 in. / 114 cm
格納時の長さ(ケーブル収納部分含まず)	10.4 in. / 26.5 cm	12 in. / 30 cm	17 in. / 43 cm	27 in. / 61 cm	33 in. / 83 cm
マスト重量	44 lb / 20 kg	80 lb / 37 kg	150 lb / 68 kg	350 lb / 159 kg	625 lb / 284 kg
管直径	Oval: 22.4 in. x 16.4 in. / 56.9 cm x 41.7 cm	22 in. / 56 cm	32 in. / 81 cm	45 in. / 114 cm	47 in. / 119 cm
展伸所要時間(秒)	48 seconds	48 seconds	45 seconds	40 seconds	38 seconds
電源 (VAC)	115	115 or 230	115 or 230	115 or 230	230
電源 (VAC)	12 or 24	12 or 24	12 or 24	12 or 24	12 or 24





THE ADVANTAGES OF INTEGRATED TOWER SYSTEMS

Integrated Tower Systems-ITS, a Will-Burt Company, is a global leader in the manufacture, sales and rental of an extensive and affordable line of rapid-deployment Portable 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 ITS 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
- Homeland Defense/National Security, Domestic and Foreign Military Initiatives; Tactical and Support Functions
- Immigration and Customs Enforcement, Border Security; 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 and Corporate Programs
- Global Support of Special Events; Political, Commercial, Industrial, Sporting, Civic and Numerous other Markets/Industries Served

In an ongoing effort to support National Security, Public Safety, Emergency Response and Military Initiatives world-wide, ITS' affordable and innovative rapid response systems are manufactured to both civilian and military specifications and built to withstand many of the world's most demanding environments. Whether designed for the seamless installation of common or client-specific technologies, or pre-integrated with an ITS or client-furnished Communications or Surveillance Solution, ITS' rapidly deployed equipment are proven key components in establishing the flow of vital information from remote and urban areas of need. **For additional information, please visit our website at www.itstowers.com or contact an ITS Representative Toll Free at 1-(800)-850-8535.**

	MOBILE TOWER SOLUTIONS	MOBILE MAST SOLUTIONS
Self-Support & Guyed Heights	±38', 55', 72', 89', 106' & 130' / 11.6m, 16.8m, 21.9m, 27.1m, 32.3m & 40m	30' - 100' / 9m - 30m
Tower Capacity	Standard Payloads: Up to: ±550 lb / 250 kg Upgraded Payloads: Up to: ±750 lb / 340 kg	Payloads Up To: 1,200 lb / 544 kg
Power	120-220 VAC / 60-50 Hz Configurations	
Common Use	Border Security • Broadcasting • Disaster Recovery / Emergency Response • Lighting • Remote Communications • Site Security • Surveillance • Energy Exploration / Production Sites • Sensor Applications • Systems Testing • Telecommunications • Temporary Cell Site	

MOBILE TOWER SOLUTIONS

SR SERIES – PORTABLE TOWER TRAILER

(Multiterrain Configuration)



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



SC SERIES – COMMUNICATION-SITE-ON-WHEELS (COW)



TMT SERIES – TRUCK MOUNTED TOWER SYSTEM



MOBILE MAST SOLUTIONS

MTシリーズ - トレーラー搭載マスト
(統合傾斜制御装置付)



COW SERIES - TRAILER MOUNTED MAST
(Vertical Mast Installation)



RD-S / RD-T SERIES - TRAILER MOUNTED MAST
(Multiterrain Configuration)



SRS-M SERIES - TRAILER MOUNTED MAST





ITS RENTAL AND FLEXI-FLEET CONFIGURATIONS – PORTABLE TOWER SYSTEMS

ITS Rental Programs offer a wide variety of innovative, efficient and flexible options to meet customer's temporary, long-term, and emergency communications needs. Whether originating from ITS manufacturing headquarters or a Domestic or International Fleet Depot, we offer customers both in-house and field services including; training, equipment integration, deployment and decommissioning coordination, customs and transportation logistics, and other necessary services to assist with temporary use requirements.

As designed, each trailer's skeletal frame is engineered with a minimum factor of safety of 2:1, with 4:1 in critical load areas. A multi-section ~ 21'0" / 6.4m each, lattice steel telescopic structure is designed to transport horizontally over the trailer's equipment platform and automatically tilt by means of a heavy-duty, chrome plated hydraulic cylinder. The tower system is raised to its full extension utilizing a direct drive, minimum 1HP, totally enclosed fan cooled (TEFC), wash-down rated electric winch motor and gearbox assembly. Each Portable Tower System model is capable of being deployed, elevated to its full-extended height, and secured by a mechanical tower lock mechanism by one person in under 30 minutes. For added security and stability during poor weather conditions, excessive loading, long-term deployment, or to minimize structure deflection for critical applications, the tower may be further protected by the use of an included guy cable and ground anchor system.

ITS Telescopic Tower Systems

- ±106' / 33m and ±125' / 38m Self-Supporting and Guy Capable Tower Elevations
- Fully Automated, Direct Drive Tower Operating System; No Belts, No Chains, No Guy Wires Required
- ±550 lb / 250 kg Standard Tower Load Capacity; 120-220VAC Electrical Configuration
- Greatest Self-Supporting and Guyed Wind / Payload Capacity of Any Comparable Tower System
- Multi-Terrain, Custom Drawbar Trailers with Outrigger Stabilization; Electric Brakes and LED Lighting
- 15,000 lb / 6,803 kg – 22,000 lb. / 9,977 kg Capacity GVWR; 4,000 lb / 1,814 kg to 6,000 lb / 2,721 kg Equipment Capacity



POSITIONER AND CONTROLLER

POSITIONIT™

ESSENTIAL FEATURES

- **Replacement for MOOG QuickSet QPT Positioners**
 - Direct connection to existing QuickSet control/power cable
- **Pelco-D RS-485 Communications**
- **Strong lightweight construction**
 - Die-cast aluminum casing
- **Minimal backlash**
 - Precision turned and milled components with ball races on major axes
- **Built to last**
 - Stainless steel fasteners
- **Weatherproof**
 - IP 68 rating
- **Simple to install**
- **Universal mounting plate**
 - Suitable for most common payloads
- **Corrosion resistant finish**
 - Black
- **Regenerative braking**
 - On motor shaft
- **Long operational life**
 - Maintenance-free and 3 year warranty
- **Flexible connection**
 - Bottom or side



POSITIONIT SPECIFICATIONS

Model	PI-150	PI-75
Payload Capacity	150 ft lb / 202 Nm	75 ft lb / 101 Nm
Height	11.32 in. / 287.7 mm	11.32 in. / 287.7 mm
Width	12.4 in. / 314 mm	9.21 in. / 234 mm
Weight	37 lb / 16.8 kg	35 lb / 16 kg
Operating Temperature	-20°C to 50°C / -4°F to 122°F	
IP Rating	68 - Waterproof (immersion) and Dustproof	
Pan Axis	400° (± 200°)	
Pan Speed (proportional)	0.02 to 6.5° / second	
Tilt Axis	180° (± 90°)	
Tilt Speed (proportional)	0.02 to 5.5° / second	
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	

POSITIONIT CONTROLLERS

The handheld and 2U rack mount controllers are Pelco-D compatible with programmable home and stow positions. The AC powered rack mount controller provides power and pan and tilt commands to the positioner and is adaptable to contact closure switches for I/O panels. The handheld controller has a keyboard for programming and an LCD screen and can be optionally used in conjunction with the rack mount controller.



PORTABLE MASTS



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.



**AM2 with EZ Raze
Payload Elevation System**
Easily elevate and lower multiple
antennas and sensors



AM2 with Mast Tube Lift Winch

See
www.antennamast.com
for complete
model range


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.

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



EZ-RAZE



DUAL, TRI & QUAD ARM COLLAR



BOLSTER PLATE



NATO PLATE

PORTABLE MASTS

EXPEDITION SERIES® MAST

Will-Burt's Expedition Series mast delivers the ultimate in true portability. It is the lightest, most stable, single-man portable field mast in the world. Transportable in a compact carrying bag, the Expedition Series mast can be set up by a single individual. Available in multiple height configurations up to 60 ft. / 18.3 m with 40 lb / 18 kg payload, the versatility and transportability of the Expedition Series mast makes it a favorite for quick antenna elevation. This mast may also be shelter-mounted.

- **Composite Tripod**
 - High stability
 - Easy to operate friction locks
 - MIL-Qualified
- **Ergonomic Tube Lifter**
 - Aids in lifting tube sections with heavier payloads
- **Man Portable**
 - All components pack into one wheeled transport bag.
 - Easily carried and transported by one or two persons.
 - Ergonomically balanced and double stitched bag



HURRY-UP MAST

HURRY-UPマストは、軽量機器の展開、設置に最適です。

1分以内に7.5 mの長さに展張でき、最大9 kgの荷重を支えることができます。

HURRY-UPマストはクイックロック・開錠機能により手動での押上げが簡単にできます。また、野外試験等に適しており特殊金具の使用により車体を利用してマストを固定することもできます。The Hurry-Up mast is well suited for field testing. Optional Drive-On plate allows the mast to be secured by simply driving a vehicle onto the plate.

- 位置保持
 - ロック機能及び強固な設計
 - ガイドワイヤー不要
- 簡易な設置
 - 1分以内
- 防錆
 - ブラックアルマイト仕上げ
- **Optional Features**
 - Drive-on plate mounting
 - External support brackets
 - Hitch-mount



ご連絡をお待ちしています

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 and a 14001:2004 environmental management system. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.



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