

# AIRMATIC®

WE'LL HANDLE IT.



## REBAR TIERS

FAST, STRONG, BATTERY OPERATED REBAR TIERS

### AIRMATIC

284 Three Tun Rd. Malvern, PA 19355

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airmatic.com

## SAVE TIME, MONEY, AND INCREASE PRODUCTIVITY!

**MAX®** is a leading international manufacturer of battery operated concrete tools. With more than 65 years of manufacturing experience, MAX has been developing innovative, state-of-the-art products that set industry standards for quality and reliability.

AIRMATIC, with 60 years of experience in the precast concrete industry, was one of the first, and now one of the largest, Stocking Distributors of MAX Battery Operated Concrete Construction Tools. We maintain one of the nation's largest inventories of tools, wire, parts, and accessories and ship most orders the day they are received. We are an Authorized Service Center with factory-trained mechanics, so if your tools need maintenance or repair, you can count on us for prompt, professional service.

Wherever rebar is used to strengthen the structural integrity of concrete in precast, construction or industrial applications, MAX Rebar Tiers are on the job. During the almost 20-years since MAX developed the world's first battery-operated rebar-tying tool, MAX has led the industry with innovative manufacturing technologies, producing faster- and tighter-tying, longer-lasting, and safer-operating rebar tying tools. In studies conducted by the National Institute for Occupational Safety and Health (NIOSH), the Health

Construction Safety Association, and other regulators and industry authorities, MAX Rebar Tiers were shown to significantly reduce hand, wrist, and forearm injuries while allowing workers to use a free hand to support their trunk (and thereby reduce back disorders) while tying. Also, when an extension handle-bar was used with a Rebar Tier, workers were able to tie rebar while standing erect, minimizing trunk flexion, and, therefore, lost-time back injuries.

MAX Rebar Tiers have been proven to be so important in reducing injuries that rebar ironworkers, aka, rod busters or rodworkers, increasingly support their use on every job, while both union and non-union contractors benefit from reduced Workman's Comp MOD Factors. When compared to hand tying, MAX Rebar Tiers have been shown to significantly reduce labor costs, tying rebar more than five (5) times as fast. In customer tests, MAX Tiers have outperformed other brands by 50% to 80% in tool uptime and maintenance costs.



**Fastest Strongest Rebar Tier Yet!**

<b>RB443T</b>	<b>TWINTIER<sup>®</sup></b>
Weight	5.6 - lbs (Battery Included)
Dimensions	11-1/2" (H) x 4-7/8" (W) x 13" (L)
Tying Speed	Less than 1/2 sec.
Ties per Coil	150 - 265 ties / coil
Wraps per Tie	1 wrap by Twin wire per tie (19-Ga Wire)
Ties per Charge	Approx. 5000 ties/charge
Rebar Size	Ties: #3 x #3 to #7 x #7 Rebar
Battery Model	JPL91450A Battery
Charger Model	JC925A Charger
Quick Re-Charge	Approx. 80-Min Full, 60-Min 80%
Tie Wire	TW1061T & TW1061T-USA (Black Annealed), TW1061T-EG (Electro-Galvanized), TW1061T-PC (Poly-Coated), & TW1061T-S (Stainless Steel)
Standard Equipment	Owner's manual, battery, charger, belt hook, carry case



The TWINTIER is the newest edition to our Rebar Tier line. This model relocates the wire spool to below the jaws of the tool. **ADVANTAGE:** the wire is then fed through the tool and looped twice, to create a twin wire tie as opposed to the 3 wrapped single wire tie in previous models. In a single wrap the TWINTIER produces a stronger, **more secure rebar connection in 30% less time!**

A "wire rod withdrawal mechanism" pulls the wires efficiently and tightly to strengthen the binding force to **increase tying force by 53%.**

The combination of a retraction mechanism of the tie wire, and two-wire loops make the RB443T the ideal tool for structures that require an intense binding force.

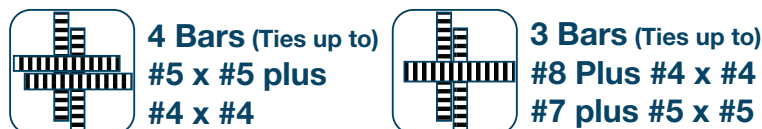
**TW1061T TIE WIRE SERIES**



**TWINTIER FEATURES**

- **Faster Tie Speed:** Dual Wire Mechanism increases productivity with only one wrap.
- **Cost Saving:** Precise amount of wire needed to form a tie, reducing wire usage.
- **Shorter Tie Height:** Less concrete is needed to fully cover a wire tie.
- **Tying Capacity increased:** One charge of battery (JPL91450A 14.4V Lithium-ion battery) can tie up to 4,000 ties and one coil of the TW1061T can make up to 240 ties on #4 x #4 rebar.
- TWINTIER RB443T is used with MAX TW1061T 19-Ga. wire series exclusively.

**19 Ga. wire, ties up to #7 x #7 Rebar**



### Fastest Strongest Rebar Tier Yet!

RB611T	TWINTIER®
Weight	5.7-lbs (Battery Included)
Dimensions	11-7/8" (H) x 4-7/8" (W) x 13-7/8" (L)
Tying Speed	0.5 second / tie
Ties per Coil	115-205 ties / coil
Wraps per Tie	1 Wrap by Twin Wire Per Tie (19-Ga Wire)
Ties per Charge	Approx. 4000 ties/charge
Rebar Size	Ties: #5 x #5 to #9 x #10 Rebar
Battery Model	JPL91440A; Li-Ion Battery, DC14.4V (4.0Ah)
Charger Model	JC925 Charger
Quick Re-Charge	Approx. 65-Min Full, 50-Min 80%
Tie Wire	TW1061T & TW1061T-USA (Black Annealed), TW1061T-EG (Electro-Galvanized), TW1061T-PC (Poly-Coated), & TW1061T-S (Stainless Steel)
Standard Equipment	One (1) Battery, Charger, and Instructional DVD (English & Spanish)



The TWINTIER is the newest edition to our Rebar Tier line. This model relocates the wire spool to below the jaws of the tool. ADVANTAGE: the wire is then fed through the tool and looped twice, to create a twin wire tie as opposed to the 3 wrapped single wire tie in previous models. In a single wrap the TWINTIER produces a stronger, **more secure rebar connection in 30% less time!**

A "wire rod withdrawal mechanism" pulls the wires efficiently and tightly to strengthen the binding force to **increase tying force by 53%.**

The combination of a retraction mechanism of the tie wire, and two-wire loops make the RB611T the ideal tool for structures that require an intense binding force.

#### TWINTIER FEATURES

- **Faster Tie Speed:** Dual Wire Feed Mechanism increases productivity with only one wrap.
- **Cost Saving:** Precise amount of wire needed to form a tie, reducing wire usage.
- **Shorter Tie Height:** Less concrete is needed to fully cover a wire tie.
- **Tying Capacity increased:** One charge of battery ties 4,000 ties.

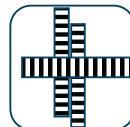


### 19 Ga. wire, ties up to #9 x #10 Rebar

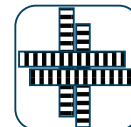
**RB655**  
3 Wrap by  
Single Wire



**RB611T**  
1 Wrap by  
Twin Wire



**3 Bars** (Ties up to)  
#9 + #8 x #8  
#10 + #7 x #7  
#11 + #6 x #6



**4 Bars** (Ties up to)  
#6 x #6 + #6 x #6

# MAX BATTERY POWERED REBAR TIERS



## THE STAND-UP REBAR TIER!

The **RB401T-E TWINTIER** is the newest edition to our Rebar Tier line. This model positions the Rebar-Tier to the end of a 3.5 ft shaft.

### REDUCES BACK STRAIN

The RB401T-E is an ergonomic solution for backbreaking slab work.

### ADJUSTABLE HANDLES

Users can adjust the handles to 2 positions, to find the most comfortable fit for their height.

### TRIGGER-LESS TECHNOLOGY

An automatic contact mechanism allows the Tool to instantly tie when pushed down over a rebar intersection.

### SHORTER TIE HEIGHT

A Wire Bending Mechanism produces a shorter tie height. Less concrete is needed to fully cover a wire tie.

### TILT SENSOR

The tilt-sensor prevents the Tool from tying when angled upward.

### ENCLOSED DESIGN

Greater protection against debris and moisture entering the tool.

### 2 NOSE ATTACHMENTS INCLUDED

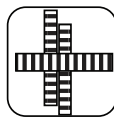


**Long Nose Requires at least 2" clearance between chaired rebar and the ground. For smaller clearance, down to 1-1/8", please use the Short Nose attachment. This specification varies by rebar combination.**

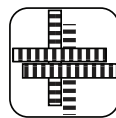
RB401T-E	TWINTIER®
Weight	10.2 - lbs (Battery Included)
Dimensions	12-3/4" (H) x 16" (W) x 43-3/8" (L)
Tying Speed	Approx. 0.5 second / tie
Ties per Coil	3 x 3 = 260 ties/coil - 6 x 6 = 180 ties/coil
Wraps per Tie	Dual Wrap per tie (19-Ga Wire)
Ties per Charge	Approx. 4,500 ties/ charge
Rebar Size	Ties: #3 x #3 to #6 x #6 Rebar
Battery Model	JPL91440A; Li-Ion Battery, DC14.4V (4.0Ah)
Charger Model	JC914 Charger
Quick Re-Charge	Approx. 65-Min Full, 50-Min 80%
Tie Wire	TW1061T & TW1061T-USA (Black Annealed), TW1061T-EG (Electro-Galvanized), TW1061T-PC (Poly-Coated), & TW1061T-S (Stainless Steel)
Standard Equipment	One (1) Battery, Charger, Carrying Case, and Instructional DVD (English & Spanish)

### THE TWINTIER SYSTEM

- **Faster Tie Speed:** Dual Wire Feed Mechanism increases productivity with one twin wrap.
- **Cost Saving:** Precise amount of wire needed to form a tie, reducing wire usage.
- **Shorter Tie Height:** Less concrete is needed to cover the tie.



**3 Bar Combinations**  
Maximum  
**#7 x #4 x #4**  
(22mm x 13mm x 13mm)



**4 Bar Combinations**  
Maximum  
**#4 x #4 x #4 x #4**  
(13mm x 13mm x 13mm x 13mm)

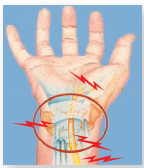


<b>RB398S</b>	
<b>Weight</b>	5.0 - lbs (Battery Included)
<b>Dimensions</b>	12" (H) x 4-1/8" (W) x 11-3/8" (L)
<b>Tying Speed</b>	Less than 1.0 second / tie
<b>Ties per Coil</b>	120 ties / coil
<b>Wraps per Tie</b>	3 Wraps per tie (21-Ga Wire)
<b>Ties per Charge</b>	Approx. 3,500 ties/ charge
<b>Rebar Size</b>	Ties: #3 x #3 to #5 x #6 Rebar
<b>Battery Model</b>	JPL91440A; Li-Ion Battery, DC14.4V (4.0Ah)
<b>Charger Model</b>	JC914 Charger
<b>Quick Re-Charge</b>	Approx. 65-Min Full, 50-Min 80%
<b>Tie Wire</b>	TW898 & TW898-USA (Black Annealed), TW898-EG (Electro-Galvanized), TW898-PC & (Poly-Coated)
<b>Standard Equipment</b>	One (1) Battery, Charger, and Instructional DVD (English & Spanish) Carrying Case
<b>Accessories</b>	Extension Bar (JE400) & Holster (JH300)



### REDUCES RISK OF HEALTH PROBLEMS

Just pull the trigger — this simple operation reduces potential wrist damage including carpal tunnel syndrome. Use of the optional extension bar also reduces the risk of back injuries.



Eliminate Carpal Tunnel



Eliminate Low-Back Injuries Extension Bar-Handles (Optional)

### REBAR TYING APPLICATIONS



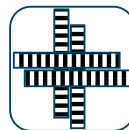
Commercial Buildings / Foundations / Road and Bridge Construction Precast Plants / Radiant Heating Tubes / Electrical Conduits

### REDUCES TYING TIME

5 times faster than manual tying. Makes ties in less than 1 sec with consistent tie strength. High speed tying saves you time and money.

### LI-ION HIGHER CAPACITY BATTERY

Thanks to its Lithium-Ion Battery Technology, the RB398S Rebar Tying Tool ties approximately 2,000 ties per charge! Less charging time means more productive work on job sites. Also, Lithium-Ion Batteries have no Memory Effect so you can charge the battery at your own convenience.



4 Bars (Ties up to)  
#4 x #4 plus  
#4 x #4



3 Wraps / Tie

### TOOL INCLUDES:

- One (1) DC14.4V Lithium-Ion 4.0Ah Battery (JPL91440A)
- One (1) Battery Charger (JC928)
- One (1) Belt Hook
- One (1) Plastic Carrying Case

# MAX BATTERY POWERED REBAR TIERS



RB518	
Weight	5.3 - lbs (Battery Included)
Dimensions	12" (H) x 4-1/8" (W) x 10-3/8" (L)
Tying Speed	Less than 1.0 second / tie
Ties per Coil	Approx. 2,400 ties (3 wraps) / charge Approx. 2,200 ties (4 wraps) / charge
Wraps per Tie	3 Wraps per tie (21-Ga Wire)
Ties per Charge	Approx. 2,600 ties/ charge
Rebar Size	Ties: #5 x #5 to #7 x #8 Rebar
Battery Model	JPL91440A; Li-Ion Battery, DC14.4V (4.0Ah)
Charger Model	JC928 Charger
Quick Re-Charge	Approx. 65-Min Full, 50-Min 80%
Tie Wire	TW898 & TW898-USA (Black Annealed), TW898-EG (Electro-Galvanized), TW898-PC & (Poly-Coated)
Standard Equipment	One (1) Battery, Charger, and Instructional DVD (english & Spanish)
Accessories	Extension Bar (JE400) & Holster (JH300)



## MAX JPL91450A Lithium-Ion Battery for RB218, RB398, RB611T, RB401T-E & RB518



This DC 14.4V, 5.0Ah (capacity, amp-hours) Lithium-Ion (Li-Ion) Battery is a rechargeable battery possessing high energy density, increasing its useful life between charges, and the total number of lifetime charges. It does not require prolonged charge priming when new — one regular charge is all that is needed. Li-Ion batteries require low maintenance, with no periodic discharge needed, and no “memory effect”. Its self-discharge rate is less than half of nickel-based batteries. This Li-Ion Battery performs well in a temperature range of 41°F to 104°F, and quick charges to 90% capacity in approximately 30-minutes and full charges to 100% capacity in 45-minutes. It weighs 1.1-lbs and includes a cap to prevent short circuiting when not in use. The battery can be recycled or because it is considered non-hazardous waste, it can be safely disposed of in the normal municipal waste stream. To prevent possible injury or equipment damage, only use MAX JC925 Charger when charging/recharging this battery.



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### MAX JPL914 Lithium-Ion Battery for RB217, RB397, & RB517



This DC 14.4V, 3.0Ah (capacity, amp-hours) Lithium-Ion (Li-Ion) Battery is a rechargeable battery possessing high energy density, increasing its useful life between charges, and the total number of lifetime charges. It does not require prolonged charge priming when new — one regular charge is all that is needed. Li-Ion batteries require low maintenance, with no periodic discharge needed, and no “memory effect”. Its self-discharge rate is less than half of nickel-based batteries. This Li-Ion Battery performs well in a temperature range of 41°F to 104°F, and quick charges to 90% capacity in approximately 30-minutes and full charges to 100% capacity in 45-minutes. It weighs 1.1-lbs and includes a cap to prevent short circuiting when not in use. The battery can be recycled or, because it is considered non-hazardous waste, it can be safely disposed of in the normal municipal waste stream. To prevent possible injury or equipment damage, only use MAX JC928 Charger when charging/recharging this battery.



**MAX JC925 Charger for JPL92550A Li-Ion Battery**

### MAX JP509H Nickel-Metal Hydride Battery for RB650A & RB655

This DC 9.6V, 3.3Ah (capacity, amp-hours) Nickel-Metal Hydride (NiMH) Battery is a rechargeable battery, and charges in approximately 30-minutes, with more capacity than Nickel-Cadmium (NiCD) cells, though both are the same size. It is environment-friendly (no toxic cadmium), and can have almost twice the capacity of the equivalent size NiCD. This NiMH Battery performs well in a temperature range of 14°F to 104°F. It weighs 1.0-lbs and includes a cap to prevent short circuiting when not in use. It can be recycled at the end of its useful life. To prevent possible injury or equipment damage, only use the MAX JC524H Charger when charging/recharging this battery.



**MAX JC524H Charger for JP509H Battery**



**MAX JP509H NiMH Battery**



Tool Categories	Rebar Tier Model	Battery Part #	Initial Charge Time for New Batteries	Re-Charge Time
CAT 1	RB395 *	JP409	24-hours	30-mins
	RB515 *	JP409	24-hours	30-mins
CAT 2	RB217 *	JPL914	45-mins	30-mins
	RB397 *	JPL914	45-mins	30-mins
	RB517 *	JPL914	45-mins	30-mins
CAT 3	RB650 *	JP509H	45-mins	30-mins
	RB650A *	JP509H	45-mins	30-mins
	RB655 *	JP509H	45-mins	30-mins
CAT 4	RB398 *	JPL91440A	65-mins	65-mins
	RB398S	JPL91440A	65-mins	65-mins
	RB218 *	JPL91440A	65-mins	65-mins
	RB401T-E	JPL91440A	65-mins	65-mins
	RB441T *	JPL91440A	65-mins	65-mins
	RB518	JPL91440A	65-mins	65-mins
	RB611T	JPL91440A	65-mins	65-mins
CAT 5	RB443T	JPL91450A	80-mins	80-mins

All items marked \* discontinued. Most parts and repair services are still available!

## TIE WIRE

MAX manufactures a full line of Genuine OEM Black Annealed, Electro-Galvanized, Poly-Coated, and Stainless Steel tie wire to work effectively and safely in the broadest range of conditions and applications. MAX wire, available in 21-Ga spools 19-Ga spools, and 16-Ga spools, is tested to rigorous quality standards, under tightly controlled manufacturing processes to assure consistent quality and performance. MAX wire is packaged 50 spools to a box, and 40 boxes to a skid. AIRMATIC, one of the largest MAX Rebar Tier distributors in North America, maintains one of the largest inventories of MAX wire, tools, parts, and accessories in the USA.

By purchasing Genuine OEM MAX wire from AIRMATIC, our customers can be assured they are getting quality wire that is manufactured for optimal performance, and designed to work together with MAX Rebar Tiers for the greatest reliability, speed, and tie tightness. Non-OEM, and clone wire does not meet the high quality and performance standards of MAX wire, and will result in higher failure rates which reduce uptime and increase labor and maintenance costs. MAX wire is made of the ideal grades of carbon steel and stainless steel to suit the environment they must endure. The wire is drawn and dead soft annealed to create the greatest possible ductility which provides a tough but pliable wire which is easy to twist but hard to break. MAX carbon steel wire is sold in 21-Ga (898-series), 19-Ga (1061T-series), or 16-Ga (1525-series) thickness (size based on tool model needed), with each size available in three finishes: **TW898:** 21-Ga wire; 312-ft/spool; 3 wraps/tie; 120-210 ties/spool (based on rebar size); 50 spools/box. **TW1525:** 16-Ga wire; 82-ft/spool; 1 wrap/tie; 120-130 ties/spool (based on rebar size); 50 spools/box. **TW1061T:** 19-Ga wire; 215-ft/spool; 1 wrap/tie; 240 ties/spool (based on rebar size); 30 spools/box. Specs f/ Black Annealed; Electro-Galvanized; Poly-Coated.

**BLACK ANNEALED**

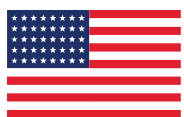
This low carbon steel, dead soft annealed wire is coated with a black oxide finish to provide a thin, mildly corrosion-resistant finish. This commonly used wire meets most construction, pre-cast, and pre-stressed concrete industry applications.

**ELECTRO-GALVANIZED**

This low carbon steel, dead soft annealed wire is finished with a 5-micron zinc coating to provide greater corrosion resistance. It is ideal for pre-cast or pre-stressed concrete used in marine or other harsh environment applications, or where length of service is important.

**POLY-COATED**

This low carbon steel, dead soft annealed wire is powder coated with .05mm thickness of yellow polymer (polyester). It is used when tying epoxy coated rebar or other DOT mandated uses, or anywhere a cushioned wire with added protection against corrosion or abrasives is needed.



**TW898-USA, TW898-PC-USA, & TW1061T-USA** spools use 21 Ga & 19 Ga **USA Made, BUY AMERICA Certified Wire**, and can be used in the RB218, RB398S, RB441T, RB611T, RB401T-E, and the RB518 rebar tiers.

**Reduce Low-Back Injuries!** — The MAX JE200 and JE500 Extension Bars for Rebar Tying Tools allow workers to tie rebar while standing erect, minimizing trunk flexion, and, therefore, lost-time back injuries.



**MAX JE400 Extension Bar-Handle**

for RB217, RB218, RB392, RB395, RB397, RB398, RB398S, RB441T, RB611T, RB515, RB517, & RB518



**MAX JE500 Extension Bar-Handle**

for RB650, RB650A, & RB655

**Keep Your Tools Dry!** — The MAX JT450 Tool Cover allow workers to use their rebar tying tools in wet conditions by covering non water resistant components.



Here is a list of Hand Tools required to perform (minor) maintenance on MAX Tools:

<b>PART #</b>	<b>DESCRIPTION</b>
<b>XB93101</b>	Torque Driver Tool Kit Includes: Large & Small Torque Series w/9-Driver Bits (Hex, Nut, & Screw)
<b>666294</b>	7 Pc MET Hex-L Key Set Kit



**MAX JT450 Tool Cover**

for RB217, RB218, RB392, RB397, RB398, RB398S, RB515, & RB517, RB518

**AIRMATIC** is an Authorized Service Center with Factory Trained Mechanics, if you choose us to repair your tools, you can count on us for prompt, professional service.

To learn more give us a call **215.333.5600**

# **AIRMATIC**®

**WE'LL HANDLE IT.**

**AIRMATIC** founded in 1944, is a woman-owned Industrial Distributor, with installation and maintenance capabilities, offering equipment, machinery, and shop supplies to the Industrial, Construction, Utility, Government, and Commercial Markets. Our products and services are sold through three business units:

The **MATERIALS MANAGEMENT GROUP** provides products and services to industries that convey, store, transport, and process powders and bulk solids from aggregates, cement, and chemicals to foods, grains, metals, power generation, and waste water treatment applications;

The **SERVICE GROUP** provides fabrication, installation, and maintenance services to improve bulk materials handling efficiency; mechanical clean-out services for silos and hoppers to eliminate material flow problems; and shop repair/rebuilding and modifications services of products sold by the Company.

The **TOOL GROUP** provides power tools, personal protective equipment, materials-handling equipment, shop equipment and MRO supplies used for production, fabrication, assembly, metal removal, maintenance, and storage in manufacturing, construction, utility, and commercial applications.

**Our Customers tell us that by choosing AIRMATIC to solve their problems, they gain increased productivity, decreased costs, and a safer, cleaner work environment.**



**MAX® USA CORP**, located in Long Island, NY, is the distribution arm in North, Central, and South America of MAX CO LTD, which is headquartered in Tokyo, Japan. MAX is a leading international manufacturer of construction tools and office products. With more than 65-years of manufacturing experience, MAX has been developing innovative, state-of-the-art products that set the industry standards for quality and reliability.

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