

## Mastering Battery-Operated Rebar Tiers: Tips And Tricks For Optimal Performance

By Jason Witte

### What Are Rebar Tiers?

**Battery-operated rebar tiers** have revolutionized the precast and pour-in-place concrete construction industry, offering enhanced speed and efficiency in fastening rebar structures. These powerful tools allow workers to safely and effortlessly tie rebar in a fraction of the time compared to manual rebar tying methods. However, like any technology, proper use and maintenance of rebar tiers are essential to ensure their peak performance and longevity.

In this blog, we'll explore some valuable tips and tricks to help you make the most out of your battery-operated rebar tiers.

### Getting Started with Your Rebar Tier

Before getting into using the rebar tier, it's crucial to read the manufacturer's owner-operator manual thoroughly. Familiarize yourself with the different components, functions, and safety features of the tool. Understanding the rebar-tying tool's capabilities will enable you to use it efficiently and prevent misuse that might lead to worker injury, rebar tier damage, or wasted rebar tie wire.



### Best Practices for Using Rebar Tiers

#### Maintain and Manage Rebar Tier Batteries Properly

The battery is the heart of your rebar tier, directly impacting its performance and reliability. Following a few essential battery best practices will help you get the most from your equipment and avoid unnecessary downtime:

- **Use Manufacturer-Specified Batteries:** Always choose batteries recommended by your rebar tier's manufacturer to ensure compatibility and optimal power delivery.
- **Keep Batteries Fully Charged:** Start each shift with fully charged batteries to maintain consistent tying performance and prevent unexpected stoppages.

# PLANT MATTERS



- **Invest in Spare Batteries:** Having extra, charged batteries on hand allows you to quickly swap them out and keep your workflow uninterrupted.
- **Store Batteries Properly:** Keep batteries in a cool, dry place to prevent damage from heat or moisture, which can reduce battery life and efficiency.
- **Follow Charging and Maintenance Guidelines:** Adhere to the manufacturer's instructions for charging cycles and maintenance to maximize battery longevity and safety.

## Choose the Right Rebar Wire Ties

Selecting the correct type of tie wire plays a significant role in both the success of your rebar tying and in complying with state and federal requirements. The gauge, finish, and quality of the tie wire are critical factors and will affect the strength and durability of the ties. Always use the compatible and high-quality rebar tie wire recommended by the rebar tier manufacturer to ensure reliable connections.

## Use Proper Stance and Hand Placement

Using a rebar tier, such as the **MAX RB441T Rebar Tier**, requires precision, a steady hand, and a good ergonomic working position. Always maintain a firm grip on the rebar tier, keep your free hand away from the tool's jaws, and be careful to avoid accidental triggering that may lead to injuries or misaligned rebar ties. Be mindful of your working position during operation to maintain a safe, balanced stance, and an efficient, safe working environment.

## Clean Your Rebar Tier Regularly

Dust, debris, and grime can accumulate over time and impact the rebar tier's performance. Clean the tool regularly using low-pressure compressed air or a soft brush to remove any dirt.

**NOTE: NEVER USE A SPRAY CLEANER OR LUBRICANT IN OR ON THE REBAR TIER.**

## Store Your Rebar Tier Safely

When not in use, store your rebar tier in a dry and secure location. Keep it away from extreme temperatures, humidity, or direct sunlight, and store the tool in its case whenever it's not being used. Use a protective case in wet weather to shield the tool from potential water damage and prolong its life.

## Follow Safety Precautions When Operating Rebar Tiers

Safety should always be a top priority when using battery-operated rebar tiers. Wear **appropriate personal protective equipment (PPE)**, such as gloves, safety glasses, and a **hard hat**, to shield yourself from any potential hazards. Keep the rebar tier away from unauthorized and untrained personnel.

## Perform Routine Maintenance Checks

Perform routine maintenance checks on your rebar tier to identify any potential issues as soon as possible. Check for loose screws, damaged parts, or signs of wear and tear. Address any problems promptly to avoid costly repairs or accidents.



# PLANT MATTERS

## Invest in Training and Skill Development

Invest in training sessions for your team to ensure everyone knows how to operate the battery-operated rebar tier correctly. Skilled and knowledgeable operators will not only enhance productivity but also minimize the risk of poor connections, tool damage, injuries and wasted wire.

## Maintain Your Rebar Tier with Timely Repairs

Outsourcing rebar tier repairs and rebuilding is often the most cost-effective choice for many companies. At AIRMATIC, our **Authorized Repair Center** offers several important advantages that help keep your equipment running smoothly:

- **Skilled Technicians:** Our repair team is factory-trained and experienced in handling a wide range of rebar tier models.
- **Genuine Parts:** We use only authentic manufacturer parts to ensure quality and durability.
- **Manufacturer-Recommended Standards:** Repairs are performed following strict QA and safety guide lines to maintain equipment integrity.
- **Efficient Turnaround:** With a well-stocked parts inventory, we minimize downtime by completing repairs promptly.

## Keeping Your Rebar Tier Reliable and Efficient

Battery-operated rebar tiers are invaluable tools that can significantly streamline the rebar tying process and enhance reinforced concrete construction efficiency. By understanding the tool's functions, following proper usage guidelines, and adhering to regular maintenance routines, you can maximize both the performance and the life of the tool.

Remember to prioritize safety and invest in continuous skill development to fully harness the potential of this powerful construction tool. With the right approach, your battery-operated rebar tier will become an indispensable asset for your construction projects.

Jason Witte is Service Shop Manager at AIRMATIC and has more than 16 years of experience in overseeing the daily repair operation that quickly and consistently brings customers' tools and equipment back to new-tool standards.

Thanks for reading our post. If you would like to learn more tips and tricks on getting the most from your battery-operated rebar tier, we suggest you also read the following links: **Rebar Tiers FAQs; Rebar Tiers Do's and Don'ts**, or contact us at **+215.333.5600** or **infocenter@airmatic.com**.