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> YATOINTO Electric Torque Drive Load Binder Instruction Manual for 5/16" - 3/8" Chains

YATOINTO 5/16" - 3/8" (2 Pack) Orange

YATOINTO Electric Torque Drive Load Binder Instruction Manual

MODEL: 5/16" - 3/8" CHAIN (2 PACK)

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1. Introduction

The YATOINTO Electric Torque Drive Load Binder is designed for efficient and secure cargo tie-down. This heavy-duty ratchet binder is compatible with 5/16" to 3/8" chains and features a drill-powered operation for faster tensioning and release. It is constructed from heat-treated, high-strength alloy steel, ensuring durability and reliability for demanding applications.

Safety Information

- Always inspect the load binder and chains for damage or wear before each use. Do not use if components are bent, cracked, or excessively worn.
- Ensure the working load limit (WLL) of the binder and chains meets or exceeds the requirements for your specific load. The YATOINTO Electric Torque Drive Load Binder has a Working Load Limit (WLL) of 5,400 lbs.
- Never stand in the direct path of a tensioned chain or binder. Sudden release can cause serious injury.
- Use appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Do not modify the load binder in any way. Unauthorized modifications can compromise safety and performance.
- Ensure the drill used is appropriate for the task and securely attached to the binder's drive mechanism.

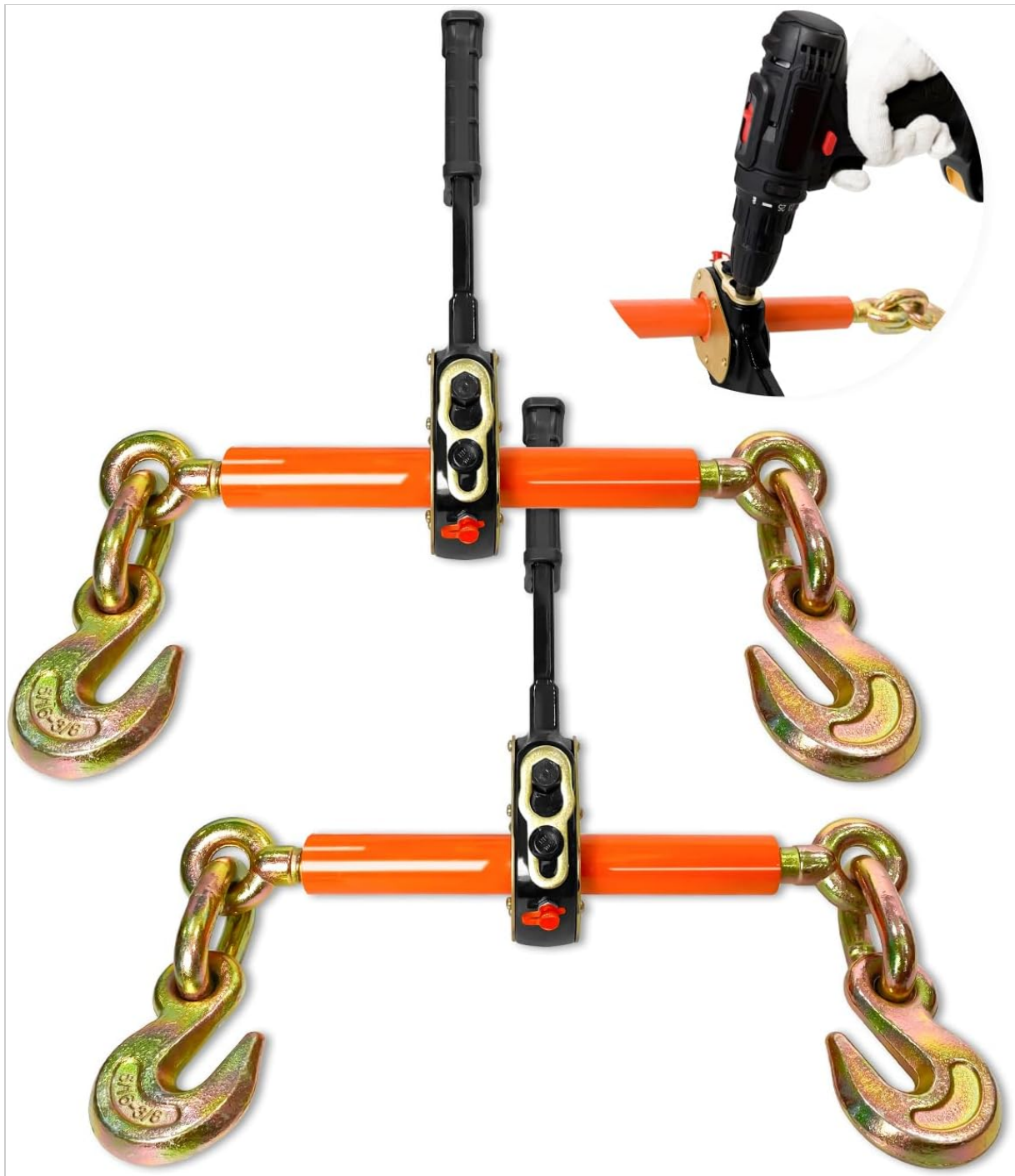


Figure 1: YATOINTO Electric Torque Drive Load Binder (2 Pack) for 5/16" - 3/8" Chains.

2. Setup

2.1 Unpacking and Initial Inspection

Carefully remove the load binders from their packaging. Inspect each binder for any signs of shipping damage, such as dents, cracks, or missing parts. Verify that all components are present and in good condition.

2.2 Attaching to a Portable Drill

The YATOINTO Electric Torque Drive Load Binder is designed for use with a portable drill, typically a 1/2-inch impact drill, to facilitate rapid tensioning and release. To attach:

1. Ensure your drill is in good working order and has sufficient torque for the application.

2. Locate the drive mechanism on the load binder, which is designed to accept a standard drill bit or socket adapter.
3. Insert the appropriate drill bit or socket adapter into the drill chuck and tighten securely.
4. Align the drill bit/socket with the binder's drive mechanism and firmly attach.



Figure 2: Load binder with a portable drill attached for operation.

3. Operating Instructions

3.1 Connecting Chains

Before tensioning, ensure your chains are properly positioned and secured to the load and anchor points. Connect the grab hooks of the load binder to the appropriate links of your 5/16" or 3/8" chains. Ensure the hooks are fully engaged and seated.

3.2 Tensioning the Load Binder

To tension the binder and secure the load:

1. With the drill securely attached to the binder, ensure the binder's handle is braced against the deck or the load. This provides leverage and prevents the binder from spinning freely.
2. Set your portable drill to the forward (tightening) direction.
3. Slowly engage the drill to begin rotating the binder's screw mechanism. The chains will start to tighten.
4. Continue to apply tension until the chains are taut and the load is securely fastened. Avoid overtightening, which can damage the chains, binder, or load.
5. Once the desired tension is achieved, disengage the drill.
6. Engage the safety locking mechanism (if present) to prevent accidental loosening during transport.



Figure 3: Load binder in use, securing cargo with a chain.

3.3 Releasing the Load Binder

To release tension and unsecure the load:

1. Ensure the vehicle is stationary and safe to access the load.
2. Disengage any safety locking mechanisms on the binder.
3. Attach the drill to the binder's drive mechanism.
4. Set your portable drill to the reverse (loosening) direction.
5. Slowly engage the drill to rotate the binder's screw mechanism, releasing tension from the chains.
6. Once tension is fully released, remove the binder hooks from the chains.

4. Maintenance

Proper maintenance ensures the longevity and safe operation of your YATOINTO Electric Torque Drive Load Binder.

4.1 Cleaning

After each use, especially in dirty or wet conditions, clean the binder to remove dirt, mud, and debris. A sealed gearbox helps protect internal components, but external cleanliness is still important. Use a stiff brush and mild detergent if necessary, then rinse and dry thoroughly.

4.2 Lubrication

Periodically apply a light lubricant to the screw mechanism and pivot points to ensure smooth operation. This can help prevent rust and reduce wear. Refer to the manufacturer's recommendations for specific lubricant types if available.

4.3 Storage

Store the load binder in a clean, dry environment when not in use. Protecting it from moisture and extreme temperatures will prevent corrosion and extend its lifespan. Avoid leaving binders exposed to the elements for extended periods.

4.4 Inspection

Regularly inspect the binder for:

- **Hooks:** Check for deformation, cracks, or excessive wear at the throat opening.
- **Screw Mechanism:** Ensure threads are not stripped or damaged. Check for smooth operation.
- **Housing:** Look for cracks, bends, or other structural damage to the main body.
- **Safety Lock:** Verify that the locking mechanism engages and disengages properly.

Any binder showing signs of significant damage or wear should be immediately removed from service and replaced.

5. Troubleshooting

Problem	Possible Cause	Solution
Binder not tightening/loosening effectively	Insufficient drill power; handle not braced; mechanism obstructed; worn threads.	Use a higher torque drill; ensure handle is firmly braced against load/deck; clear any obstructions; inspect threads for damage.
Binder operates in reverse direction when tightening	Drill set to reverse; internal gear assembly issue (rare).	Ensure drill is set to forward (clockwise) rotation for tightening. If issue persists with correct drill setting, contact YATOINTO support.
Difficulty engaging/disengaging safety lock	Misalignment; dirt/debris; minor deformation.	Ensure binder is not under extreme tension when attempting to lock/unlock; clean the mechanism; inspect for any physical damage preventing smooth operation.

Problem	Possible Cause	Solution
Binder feels stiff or makes unusual noises	Lack of lubrication; internal wear or damage.	Apply lubricant to the screw mechanism; inspect for internal damage. If noises persist or operation is severely impaired, discontinue use.

5.1 DOT Compliance

Users are responsible for ensuring that the use of this load binder complies with all applicable Department of Transportation (DOT) regulations and other local, state, and federal cargo securement laws. Always verify that your entire tie-down system, including chains and binders, meets the legal requirements for your specific application and jurisdiction.

6. Specifications

Feature	Detail
Model	Electric Torque Drive Load Binder
Chain Size Compatibility	5/16" - 3/8"
Working Load Limit (WLL)	5,400 lbs
Material	Heat-treated, high-strength Alloy Steel
Gear Ratio	22:1
Included Components	Load Binder x2
Vehicle Service Type	ATV, Boat, RV, Snowmobile, Truck, UTV, Van, Watercraft
Color	Orange

7. Warranty & Support

For detailed warranty information, product support, or to inquire about replacement parts, please contact YATOINTO customer service directly. Keep your purchase receipt as proof of purchase.

You can visit the official YATOINTO store for more information and contact options:[YATOINTO Store on Amazon](#)