

YINTATECH Clamp on Debris Forks

YINTATECH Clamp-on Debris Forks Instruction Manual

Model: Clamp on Debris Forks

1. PRODUCT OVERVIEW

The YINTATECH Clamp-on Debris Forks are heavy-duty attachments designed to enhance the functionality of your 48-inch loader bucket on skid steers, tractors, and other loaders. Constructed from upgraded forged steel, these forks provide a robust solution for handling various materials with a capacity of up to 2500 lbs.

Key features include:

- **Upgraded Forged Steel:** Delivers a true 2,500 lb capacity, ensuring durability and reliability.
- **Solid Structure & Reinforced Critical Zones:** The clamp area is reinforced with 25% extra thickness, and joints are precision-welded for stability.
- **Advanced Powder-Coated Finish:** Provides superior resistance to water, UV rays, and corrosion compared to standard paint.
- **Easy Installation and Versatile Use:** Designed for quick attachment and suitable for hauling logs, lumber, firewood, hay bales, and clearing debris.

Fits 48" Loader Buckets



Image 1.1: YINTATECH Clamp-on Debris Forks attached to a tractor bucket.

2. SAFETY INFORMATION

Always prioritize safety when operating heavy machinery and attachments. Read and understand all instructions before installation and operation.

- Ensure the attachment is securely fastened to the bucket before operation. Regularly check bolts for tightness.
- Do not exceed the rated load capacity of 2500 lbs for the debris forks or the lifting capacity of your loader.
- Be aware that attaching the forks extends the load further from the loader's center of gravity, potentially reducing the effective lifting capacity. Adjust loads accordingly.
- Maintain a clear view of the work area and any personnel.
- Avoid sudden movements or impacts that could dislodge the attachment or load.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Never operate machinery under the influence of alcohol or drugs.

3. SETUP AND INSTALLATION

The YINTATECH Clamp-on Debris Forks are designed for straightforward installation onto your loader bucket.

1. **Prepare the Bucket:** Position your loader bucket on a flat, stable surface. Ensure the bucket's cutting edge is clean and free of debris.
2. **Position the Forks:** Slide the debris fork attachment over the cutting edge of your loader bucket. Ensure the attachment is centered and flush against the bucket's bottom. The forks are designed to fit 48-inch buckets.
3. **Secure the Clamps:** The attachment features two clamp bolts. Hand-tighten these bolts to secure the forks to the bucket.
4. **Final Tightening:** Use a wrench to fully tighten the nuts on the clamp bolts. Ensure a solid connection to prevent movement during operation. Some users may place a piece of plate steel under the bolt head to improve grip and prevent marking, as suggested by some users.



Image 3.1: Sliding the debris forks onto the bucket's cutting edge.

Upgraded Bolt Say goodbye to Bending Deformation



Image 3.2: Tightening the clamp bolts for a secure fit.

For a visual guide on installation and usage, please refer to the official product video below:

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Video 3.1: Official YINTATECH video demonstrating the installation and use of the Clamp-on Debris Forks.

4. OPERATING INSTRUCTIONS

The debris forks are designed for efficient handling of various materials. Their angled tines allow for effective scraping and scooping.

- **Brush and Debris Clearing:** Approach brush piles with the forks slightly tilted downwards. Use the angled tines to get underneath the material and scoop it up.
- **Log and Lumber Transport:** The robust tines can support single logs or bundles of lumber. Ensure the load is balanced and within the weight capacity.
- **Root Raking:** By tilting the bucket slightly, the forks can function as a root rake, scoring the earth and pulling up roots or other embedded debris.

- **Material Spreading:** The flat portion of the forks can be used to spread loose materials evenly.



Image 4.1: Debris forks in action, lifting a substantial load of wood.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your YINTATECH Clamp-on Debris Forks.

- **Inspection:** Before each use, inspect the forks for any signs of damage, cracks, or excessive wear. Check the welds and the integrity of the steel.
- **Bolt Tightness:** Periodically check and re-tighten the clamp bolts to ensure they remain secure. Loose bolts can lead to instability and potential damage.
- **Cleaning:** After use, especially when handling wet or corrosive materials, clean the forks to prevent rust and buildup.
- **Corrosion Protection:** The powder-coated finish provides good protection, but any areas where the coating is chipped or scratched should be touched up with rust-inhibiting paint to prevent corrosion.

- **Storage:** Store the forks in a dry, protected area when not in use to minimize exposure to elements.

6. SPECIFICATIONS

Detailed specifications for the YINTATECH Clamp-on Debris Forks:

Feature	Detail
Overall Size	31" L x 42" W
Item Weight	70.5 pounds
Fork Tine Dimensions	21" L x 2" W x 2" H (5 tines)
Material	Upgraded Forged Steel
Load Capacity	Up to 2500 lbs
Compatibility	Fits 48" loader buckets
Finish	Advanced Powder-Coated

PRODUCT SIZE

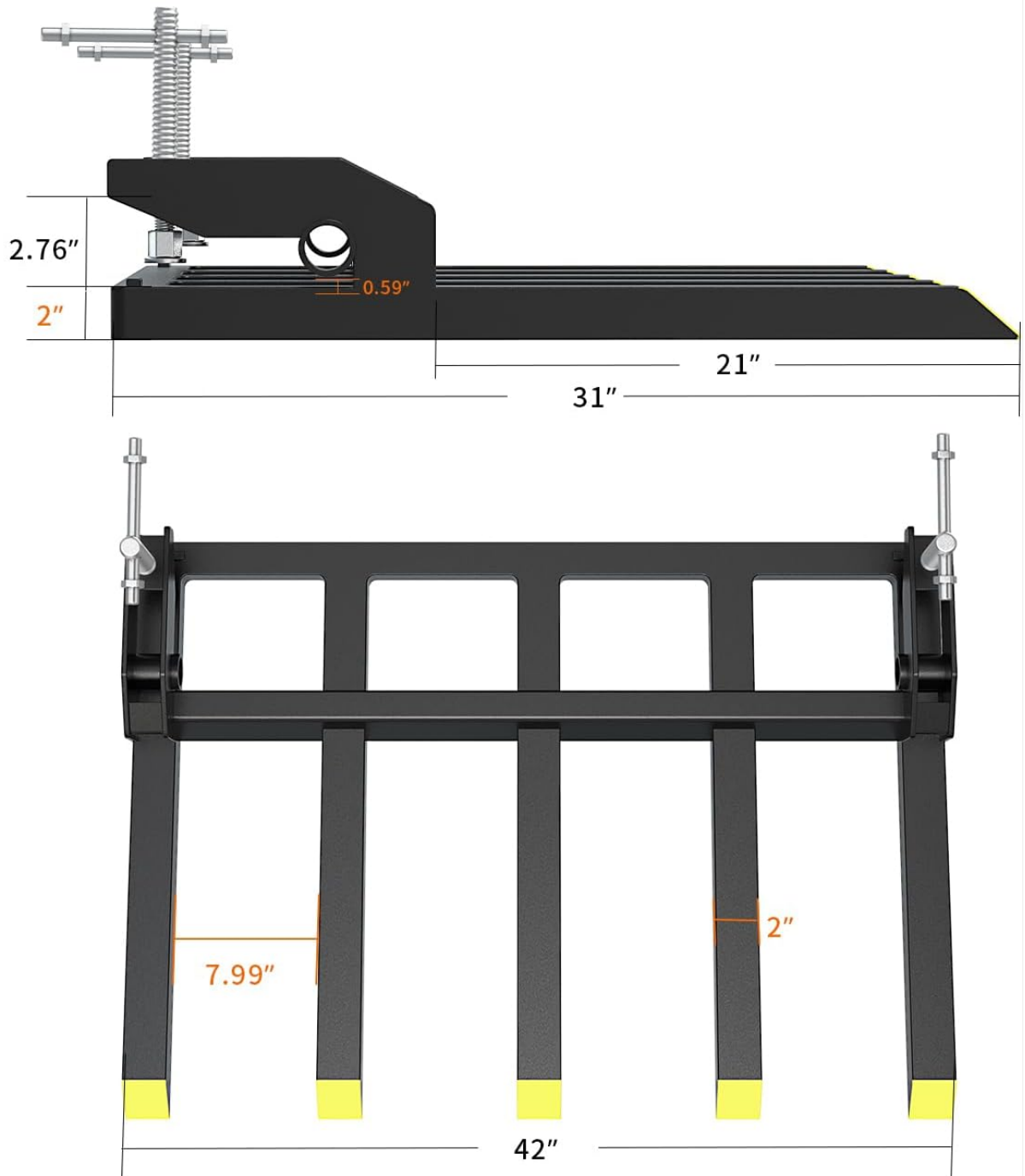


Image 6.1: Product dimensions and specifications diagram.

PACKAGE INCLUDED



Image 6.2: Package contents of the debris forks.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your debris forks.

- **Forks become loose during operation:**
 - Ensure the clamp bolts are tightened sufficiently. Re-tighten them firmly with a wrench.
 - Check for any debris or uneven surfaces between the fork attachment and the bucket that might prevent a secure fit.
 - Consider adding a piece of plate steel between the clamp bolt and the bucket surface to improve grip and prevent marking, as suggested by some users.
- **Reduced lifting capacity of the loader:**
 - The clamp-on design extends the load further from the loader's pivot point, which can reduce effective lifting

capacity. This is normal for such attachments.

- Ensure you are not exceeding the rated capacity of the forks (2500 lbs) or your loader's specific lifting limits with the extended load.

- **Difficulty scooping or raking:**

- Adjust the tilt angle of your loader bucket to optimize the angle of the fork tines for the material you are handling.
- Ensure the tines are not bent or damaged, which could impair their function.

8. WARRANTY AND SUPPORT

For specific warranty details or technical support regarding your YINTATECH Clamp-on Debris Forks, please contact YINTATECH customer service directly. Refer to the product packaging or the official YINTATECH website for contact information.

