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› [Sinolink 53-Inch Rotary Tiller Attachment \(Model P327547\) User Manual](#)

Sinolink P327547

Sinolink 53-Inch Rotary Tiller Attachment User Manual

Model: P327547 | Brand: Sinolink

1. PRODUCT OVERVIEW

The Sinolink 53-Inch Rotary Tiller Attachment is a robust agricultural implement designed for efficient soil preparation and cultivation. This Cat 1, 3-point PTO driven tiller features a single-speed 540 RPM gearbox, a 53.14-inch working width, and a maximum working depth of 4.7 inches. Constructed from durable Q235 steel, it is compatible with tractors ranging from 20 to 30 horsepower.



Image 1.1: The Sinolink 53-Inch Rotary Tiller Attachment, ready for use.

Key Features:

- **Cat 1 3-Point Hitch:** Designed for compatibility with 20–30HP tractors.
- **53.14" Working Width:** Provides broad coverage for efficient tilling.
- **4.7" Max Working Depth:** Suitable for various soil conditioning and planting needs.
- **540 RPM PTO Gearbox:** Single-speed gearbox for standard PTO operation.
- **Replaceable L Tines:** Ensures easy serviceability and prolonged lifespan.
- **Durable Construction:** Made from Q235 steel for strength and longevity.

2. SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this equipment. Failure to follow these instructions

can result in serious injury or death.

General Safety Guidelines:

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure all guards and safety shields are in place and properly secured before operation.
- Keep hands, feet, and clothing away from moving parts.
- Never operate the tiller when children or bystanders are in the work area.
- Disconnect the PTO shaft and turn off the tractor engine before performing any maintenance, adjustments, or clearing blockages.
- Operate the tiller only with a tractor of appropriate horsepower (20-30HP) and a Cat 1 3-point hitch.
- Be aware of the PTO shaft's rotation speed (540 RPM) and ensure proper engagement and disengagement.



Image 2.1: Gearbox with an attention sticker, indicating important operational information.

3. SETUP AND INSTALLATION

This section provides instructions for assembling and attaching the rotary tiller to your tractor. Refer to the embedded video for a visual guide.

Your browser does not support the video tag.

Video 3.1: Official installation guide for the SinolinK Rotary Tiller Attachment, demonstrating the assembly process.

Installation Steps:

1. **Unpacking:** Carefully open the wooden crate using a hammer and screwdriver. Remove all packaging materials and components.
2. **Attach Side Panels:** Secure the two orange side panels to the main tiller frame. Use 8 M10*25 bolts, 8 M10 nuts, and 16 Φ 10 washers. Ensure all fasteners are tightened securely.

3. **Attach Top Hitch Bracket:** Mount the black top hitch bracket to the tiller frame. Use 4 M12*30 bolts, 4 M12 nuts, and 4 Φ 12 washers. Tighten all fasteners.
4. **Install Protective Cover:** Position the black protective cover over the power input shaft. Secure it using 2 M10*20 bolts and 2 Φ 10*30 washers.
5. **Install Lower Hitch Pins:** Insert the lower hitch pins into the designated holes on the tiller frame. Secure them with the provided chains and clips.
6. **Attach PTO Shaft:** Connect the PTO shaft to the tiller's power input shaft and to the tractor's PTO output. Ensure the shaft is properly lubricated and secured with safety pins.

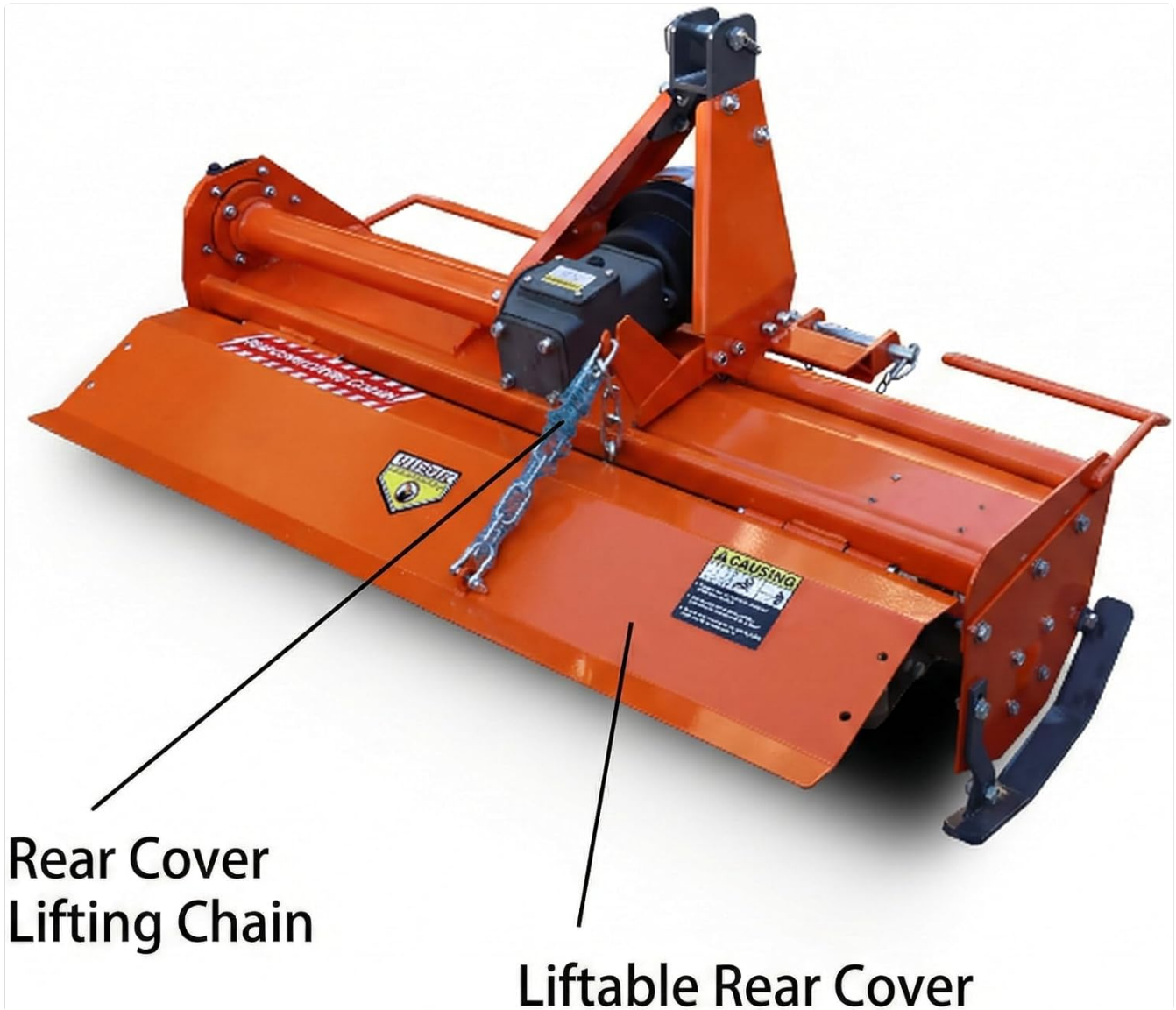


Image 3.2: View of the rear cover and lifting chain, which can be adjusted for tilling depth.



Image 3.3: PTO shafts, illustrating different lengths for various tractor setups.

4. OPERATING INSTRUCTIONS

Proper operation ensures efficient tilling and prolongs equipment life.

Pre-Operation Checklist:

- Ensure the tiller is securely attached to the tractor's 3-point hitch and PTO shaft.
- Check all bolts and nuts for tightness.
- Verify that the gearbox oil level is correct.
- Inspect tines for wear or damage; replace if necessary.
- Clear the work area of any debris, rocks, or obstacles.

Tilling Procedure:

1. Start the tractor and engage the PTO at a low RPM.
2. Slowly lower the tiller into the soil using the tractor's hydraulic lift. Adjust the depth as needed, up to a maximum of 4.7 inches.
3. Increase tractor engine RPM to achieve the recommended 540 RPM at the PTO shaft.
4. Drive the tractor forward at a slow, consistent speed, allowing the tiller to thoroughly break up the soil.
5. For optimal results, make multiple passes, gradually increasing depth if desired.
6. When finished, disengage the PTO, raise the tiller, and turn off the tractor engine.



Image 4.1: The rotary tiller actively cultivating soil in a field.



Image 4.2: Illustration highlighting the tiller's maximum working depth of 4.7 inches.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your rotary tiller.

Maintenance Schedule:

- **After Each Use:** Clean the tiller thoroughly, removing soil, debris, and plant matter. Inspect tines for damage or excessive wear.
- **Every 10 Hours of Operation:** Check all fasteners for tightness. Lubricate all grease points (e.g., PTO shaft, gearbox input shaft).
- **Every 50 Hours of Operation:** Check gearbox oil level and top up if necessary. Inspect the PTO shaft for damage.
- **Annually or Before Storage:** Change gearbox oil. Inspect and replace worn tines. Apply a protective coating to exposed metal surfaces to prevent rust.

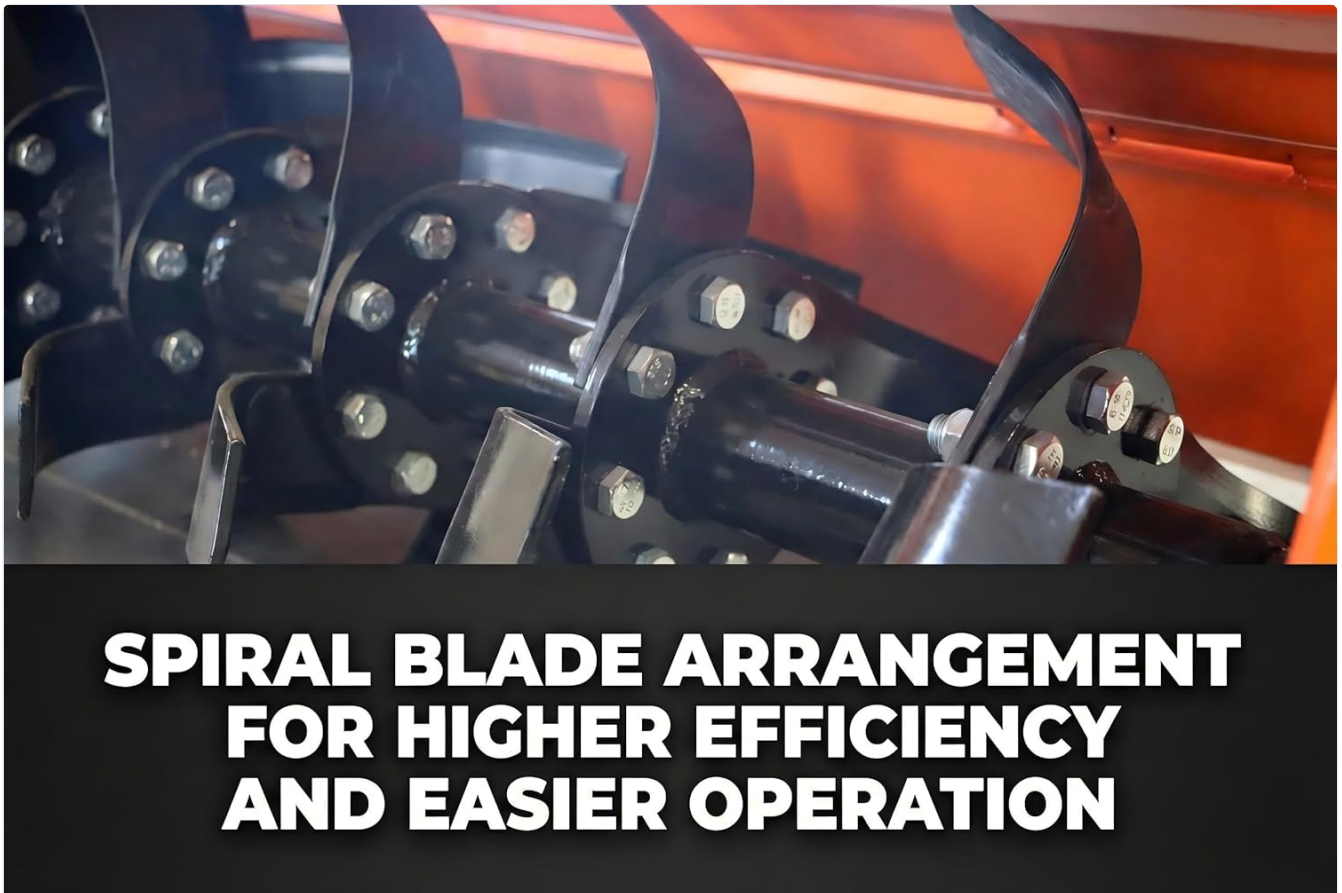


Image 5.1: Close-up view of the spiral blade arrangement, designed for efficient tilling.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your rotary tiller.

Problem	Possible Cause	Solution
Tiller not engaging	PTO not engaged; PTO shaft improperly connected; Tractor PTO issue.	Ensure PTO is engaged; Reconnect PTO shaft securely; Consult tractor manual or technician.
Poor tilling performance	Worn or damaged tines; Incorrect tilling depth; Too fast ground speed.	Inspect and replace tines; Adjust tilling depth; Reduce tractor ground speed.
Excessive vibration	Bent tines; Unbalanced rotor; Loose fasteners.	Inspect and replace bent tines; Check for debris wrapped around rotor; Tighten all fasteners.

Problem	Possible Cause	Solution
Oil leakage from gearbox	Damaged seals; Overfilled oil.	Inspect and replace seals; Ensure correct oil level.

7. SPECIFICATIONS

Detailed technical specifications for the SinolinK 53-Inch Rotary Tiller Attachment.

Specification	Value
Model Number	P327547
Product Dimensions (L x W x H)	61.42 x 29.76 x 24.18 inches
Item Weight	300 pounds
Brand	SinolinK
Manufacturer	SINOLINK
Color	Orange
Power Source	PTO Driven (Tractor)
Material	Q235 Steel
Hitch Type	Cat 1 3-Point
Working Width	53.14 inches
Max Working Depth	4.7 inches
PTO RPM	540 RPM
Tractor HP Compatibility	20–30HP



Image 7.1: Dimensional drawing of the rotary tiller.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact the manufacturer, SinolinK, directly. Refer to your purchase documentation for specific warranty terms and contact details. It is recommended to keep your proof of purchase for any warranty claims.