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## perfektGarten 1242 X 2

# Instruction Manual: 2 x 54 CM Lawnmower Mulching Blades

Brand: perfektGarten

## INTRODUCTION

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Thank you for choosing perfektGarten mulching lawnmower blades. These high-quality blades are designed to provide efficient grass cutting, catching, and mulching capabilities for your lawnmower. This manual provides essential information for safe installation, proper operation, and effective maintenance to ensure the longevity and optimal performance of your new blades.

## SAFETY INFORMATION

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Always prioritize safety when working with lawnmower blades. Failure to follow these safety guidelines may result in serious injury.

- **Disconnect Power:** Before performing any maintenance or installation, always disconnect the spark plug wire or remove the battery to prevent accidental starting of the engine.
- **Wear Protective Gear:** Always wear heavy-duty gloves and eye protection when handling or working near lawnmower blades. Blades are sharp and can cause severe cuts.
- **Secure the Mower:** Ensure the lawnmower is stable and cannot move or tip over during blade installation or removal. Use appropriate lifting equipment if necessary.
- **Inspect Blades:** Regularly inspect blades for damage, cracks, or excessive wear. Replace damaged blades immediately.
- **Proper Torque:** Ensure all bolts and nuts are tightened to the manufacturer's specified torque settings to prevent blades from loosening during operation.

## PRODUCT OVERVIEW

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These perfektGarten mulching blades are designed for a 42-inch deck and offer a versatile 3-in-1 function: throwing, catching, and mulching. They are crafted from certified, high-quality carbon-containing steel, heat-treated to 45 HRC for enhanced durability and resistance to deformation, ensuring a long service life.




Image: Two perfektGarten mulching blades, showcasing their robust construction and design for efficient grass processing.

## COMPATIBILITY

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These blades are compatible with the following lawnmower models and replace the specified part numbers:

### Compatible Models:

- **Murray:** EMT155420H (EMT 15542 0H), EZT2042 (EZT 2042), MSD100 (MSD 100), MSD110 (MSD 110)
- **Simplicity:** 4175 Serie SLT100 #269121
- **Snapper:** ELT175420 #2691044

### Replaces Part Numbers:

- 1752100 AYP
- 1752100
- 13271808
- 153532

## INSTALLATION

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Follow these steps carefully to install your new lawnmower blades:

1. **Prepare the Mower:** Ensure the lawnmower engine is off and cool. Disconnect the spark plug wire (for gasoline mowers) or remove the battery (for electric mowers) to prevent accidental starting.
2. **Access Blades:** Carefully tilt the mower onto its side, ensuring the carburetor and air filter are facing upwards to prevent fuel or oil leaks. Secure the mower to prevent it from tipping.
3. **Remove Old Blades:** Using a wrench, loosen the blade mounting bolt. You may need to brace the blade with a block of wood to prevent it from turning. Remove the old blade and any washers or spacers. Note the orientation of the old blade for correct installation of the new one.
4. **Clean Deck:** Clean any accumulated grass clippings or debris from the underside of the mower deck.
5. **Install New Blades:** Place the new perfektGarten blade onto the blade adapter, ensuring the cutting edge is facing the correct direction (usually upwards towards the deck). The central hole (ZB) should align perfectly with the spindle.
6. **Secure Blades:** Reinstall any washers or spacers, then thread the blade mounting bolt. Tighten the bolt securely using a torque wrench to the manufacturer's recommended specifications (refer to your lawnmower's owner's manual for exact torque values).
7. **Final Check:** Once both blades are installed, ensure they are properly seated and tightened. Return the mower to its operating position and reconnect the spark plug wire or battery.



Image: Blade dimension diagram, useful for verifying correct blade type and fit during installation.

## OPERATION

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These 3-in-1 blades are designed for versatile lawn care:

- **Mulching:** The blade's design creates a powerful airflow that circulates grass clippings within the deck, finely cutting them into small pieces that decompose quickly, returning nutrients to your lawn.
- **Throwing:** When used with a side discharge chute, the blade efficiently expels clippings away from the mower.
- **Catching:** In conjunction with a grass bagger, the blade's lift action effectively directs clippings into the collection bag for easy disposal.

## MAINTENANCE

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Regular maintenance will extend the life of your blades and ensure optimal cutting performance:

- **Cleaning:** After each use, clean the underside of the mower deck and the blades to remove grass clippings and debris. This prevents buildup that can affect cutting quality and balance.
- **Sharpening:** Blades should be sharpened regularly, typically after every 20-25 hours of use, or at the start of each mowing season. Use a file or grinder to sharpen the cutting edges, maintaining the original angle. Ensure the blade remains balanced after sharpening.
- **Inspection:** Periodically inspect blades for signs of damage, such as bends, cracks, or excessive wear. Even small cracks can lead to blade failure. Replace any damaged blades immediately.
- **Storage:** If storing the mower for an extended period, clean and lightly oil the blades to prevent rust.

## TROUBLESHOOTING

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Here are some common issues and their potential solutions:

- **Poor Cut Quality (Ragged Edges):**
  - Blades may be dull. Sharpen or replace.
  - Blades may be bent or damaged. Inspect and replace if necessary.
  - Engine RPM too low. Check mower's engine.
- **Excessive Vibration:**
  - Blades are unbalanced. Re-balance after sharpening or replace if severely bent.
  - Blade mounting bolt is loose. Tighten to specified torque.
  - Debris buildup on blades or deck. Clean thoroughly.
- **Poor Mulching/Bagging Performance:**
  - Blades are dull. Sharpen or replace.
  - Mowing wet or excessively tall grass. Mow when grass is dry and at appropriate height.
  - Deck clogged with clippings. Clean underside of deck.

## SPECIFICATIONS

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Detailed dimensions of the perfektGarten 2 x 54 CM mulching blades:

<b>Dimension</b>	<b>Value</b>
Length (L)	540 mm (21.26 inches)
Central Hole Diameter (ZB)	20.3 mm
Side Holes Diameters (AL)	- (Not applicable for this blade type)
Distance between Side Holes Centers (AB)	- (Not applicable for this blade type)
Width (B)	57 mm (1.97 inches)
Thickness	4 mm (0.16 inches)

Product Dimensions (packaged): 21.26 x 1.97 x 1.18 inches