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perfektGarten 416

perfektGarten 416 Lawnmower Blade Instruction Manual

41 cm Replacement Blade for Wolf Garten Mowers

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your perfektGarten 41 cm lawnmower blade, model 416. Designed for compatibility with specific Wolf Garten lawnmower models, this blade ensures efficient grass cutting and collection.

2. PRODUCT OVERVIEW



Figure 1: perfektGarten 41 cm Lawnmower Blade. This image shows the overall design of the black 41 cm lawnmower blade, highlighting its curved profile for effective grass handling.

The perfektGarten 416 lawnmower blade is crafted from certified 50CrV4 steel, ensuring durability and performance. Its design facilitates efficient grass collection into the mower's basket and provides effective cutting even with side-discharge mowers. Each blade is sharpened, hardened to 45HRC, balanced, and precisely curved for optimal cutting results.

3. COMPATIBILITY

This perfektGarten 41 cm lawnmower blade (Model 416) is compatible with the following Wolf Garten lawnmower models:

- Wolf Garten 2.42 B (2.42B)
- Wolf Garten 2.42 T (2.42T)
- Wolf Garten 2.42 TL (2.42TL)
- Wolf Garten 2.42 TLK (2.42TLK)
- Wolf Garten Goodline 2.42 XM
- Wolf Garten Goodline 2.42 XQ
- Wolf Garten Goodline HBM2 (HBM 2)
- Wolf Garten Goodline 42 XQ

This blade replaces original part number: **4740066**.

4. IMPORTANT PRE-INSTALLATION NOTICE

Attention: There are two different types of blades that may fit the listed Wolf Garten models, depending on the manufacturing series. It is crucial to compare your original blade with the product images and specifications provided in this manual before purchase and installation. If you are uncertain about the correct blade for your specific mower, please consult the manufacturer or a qualified technician.



Figure 2: Close-up of Blade Mounting Area. This image provides a detailed view of the central mounting hole and smaller outer holes on the perfektGarten lawnmower blade, which are critical for proper fitment.

5. SPECIFICATIONS



Figure 3: Blade Dimension Diagram. This technical diagram illustrates the key measurements of the lawnmower blade,

including Length (L), Center Bore (ZB), Outer Hole (AL), Distance between Outer Holes (AB), and Width (B).

Measurement	Value
Length (L)	410 mm (41 cm)
Center Bore (ZB)	32 mm
Outer Hole (AL)	5 mm (small holes)
Distance Center to Center of Outer Holes (AB)	43 mm (diagonal)
Width (B)	74 mm
Thickness	3 mm
Material	Certified 50CrV4 Steel
Hardness	45 HRC
Product Dimensions (L x W x H)	41 x 5 x 3 cm
Model Number	416

6. INSTALLATION (SETUP)

Replacing a lawnmower blade requires caution. Always refer to your lawnmower's specific instruction manual for detailed blade replacement procedures. The following are general guidelines:

- Safety First:** Disconnect the spark plug wire (for gasoline mowers) or remove the battery/unplug the power cord (for electric mowers) to prevent accidental starting. Wear heavy-duty gloves and eye protection.
- Secure the Mower:** Tilt the mower onto its side with the carburetor/spark plug facing upwards to prevent fuel/oil leaks. Block the blade with a piece of wood to prevent it from turning.
- Remove Old Blade:** Use a wrench to loosen the blade bolt(s). Note the orientation of the old blade before removal.
- Install New Blade:** Position the new perfektGarten blade with the cutting edge facing the correct direction (usually indicated by an arrow on the blade or mower deck). Ensure the central bore and outer holes align perfectly with the mower's spindle.
- Tighten Blade Bolt:** Reinstall and securely tighten the blade bolt(s) to the torque specifications provided in your mower's manual.
- Check Balance:** After installation, check the blade for proper balance. An unbalanced blade can cause excessive vibration and damage to the mower.

7. OPERATION

Once installed correctly, the perfektGarten 416 blade is designed to optimize your mowing experience:

- Efficient Grass Collection:** The blade's specific curvature is engineered to create an upward airflow, effectively throwing cut grass into the collection bag or basket until it is full.
- Clean Cut:** The sharpened edges and balanced design ensure a fine, clean cut, promoting healthier lawn growth.

- **Versatility:** The blade's geometry supports effective cutting performance for both mowers designed for grass collection and those with side-discharge capabilities.

8. MAINTENANCE

Proper maintenance extends the life and performance of your lawnmower blade:

- **Regular Inspection:** Before each use, inspect the blade for signs of wear, damage, or dullness. Replace the blade if it is bent, cracked, or severely damaged.
- **Sharpening:** For optimal cutting performance, the blade should be sharpened regularly. Ensure proper balance after sharpening to prevent mower vibration. If you are not experienced, have a professional sharpen the blade.
- **Cleaning:** After each use, clean grass clippings and debris from the blade and underside of the mower deck. This prevents rust and maintains blade balance.
- **Storage:** When storing the mower for extended periods, ensure the blade is clean and dry. Applying a light coat of oil can help prevent rust.

The perfektGarten blade is manufactured from high-quality 50CrV4 steel, designed for a long service life, typically lasting a minimum of three seasons with proper care.

9. TROUBLESHOOTING

If you experience issues with your lawnmower's cutting performance after installing the new blade, consider the following:

- **Poor Cut Quality:** Check if the blade is dull or damaged. Ensure the blade is installed with the correct cutting edge orientation.
- **Excessive Vibration:** This often indicates an unbalanced blade or improper installation. Re-check blade balance and ensure the blade bolt is tightened to the correct torque. A bent blade will also cause vibration and must be replaced.
- **Ineffective Grass Collection:** Verify that the blade is installed correctly and that the mower deck is clear of obstructions. Ensure the grass collection bag is not overfilled or blocked.
- **Blade Not Spinning Freely:** Ensure there are no obstructions under the mower deck. Check for proper blade installation and that the blade bolt is not overtightened, which could bind the spindle.

Always turn off the mower and disconnect the spark plug/power source before inspecting or working on the blade.

10. WARRANTY AND SUPPORT

Specific warranty details for the perfektGarten 416 lawnmower blade are not provided within this manual. For warranty information or technical support, please refer to the product packaging or contact perfektGarten directly through their official channels or the retailer where the product was purchased.

