

Einhell Schleifscheibe fein 175x32x25 mm

Einhell Grinding Wheel Fine 175 x 32 x 25 mm User Manual

Model: Schleifscheibe fein 175x32x25 mm

INTRODUCTION

This manual provides essential information for the safe and effective use of your Einhell Fine Grinding Wheel. Please read these instructions carefully before installation and operation to ensure optimal performance and safety.

The Einhell Fine Grinding Wheel is designed for precision grinding tasks, suitable for various applications requiring a fine finish. It is specifically compatible with the BT-BG 175 double grinder.

SAFETY INSTRUCTIONS

Always observe the following safety precautions when handling and operating the grinding wheel:

- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, hearing protection, and gloves.
- **Inspect the grinding wheel before each use:** Check for cracks, chips, or any damage. Do not use a damaged wheel.
- **Ensure proper mounting:** The grinding wheel must be securely mounted on the grinder spindle according to the grinder's instructions.
- **Observe maximum rotational speed:** Do not exceed the maximum permissible operating speed indicated on the grinding wheel. For this model, the maximum speed is 3830 RPM.
- **Maintain a clean work area:** Keep the area free of debris and obstructions.
- **Avoid excessive pressure:** Apply only moderate pressure during grinding to prevent overheating and damage to the wheel or workpiece.
- **Disconnect power:** Always disconnect the grinder from the power supply before changing the grinding wheel or performing maintenance.

SETUP

Follow these steps to properly set up your Einhell Fine Grinding Wheel:

1. **Preparation:** Ensure your double grinder (e.g., Einhell BT-BG 175) is unplugged and stable.
2. **Remove old wheel (if applicable):** Carefully remove the existing grinding wheel, noting the orientation of any flanges or washers.
3. **Inspect the new wheel:** Before mounting, visually inspect the new Einhell Fine Grinding Wheel for

any signs of damage.

4. **Mounting:** Slide the new grinding wheel onto the grinder spindle. Ensure any accompanying flanges or washers are correctly positioned on both sides of the wheel. The wheel's dimensions are 175 mm diameter, 32 mm bore, and 25 mm width.
5. **Secure the wheel:** Tighten the retaining nut firmly, but do not overtighten, as this can damage the wheel.
6. **Test run:** Before full operation, perform a short test run (approximately 30 seconds) with the safety guard in place to ensure the wheel runs true and without excessive vibration.



Figure 1: Einhell Fine Grinding Wheel. A grey, circular grinding wheel with a white label in the center. The label displays 'Einhell', 'Art.-Nr.: 44.126.10', 'Körnung 60', 'NK 60 N 7 V PD', and dimensions 'Ø 175 x 20 x 32 mm'.

OPERATING INSTRUCTIONS

The Einhell Fine Grinding Wheel is designed for precision grinding and sharpening. Follow these guidelines for effective operation:

- **Workpiece preparation:** Ensure the workpiece is clean and securely held.
- **Grinding technique:** Apply light, consistent pressure. Move the workpiece evenly across the grinding surface to ensure uniform wear of the wheel and a smooth finish on the workpiece.
- **Cooling:** For prolonged grinding, allow the workpiece and wheel to cool periodically to prevent overheating.
- **Dressing the wheel:** Over time, the grinding wheel may become glazed or loaded with material, reducing its effectiveness. Use a suitable dressing tool to restore the cutting surface and maintain its shape.

MAINTENANCE

Proper maintenance extends the life of your grinding wheel and ensures safe operation:

- **Cleaning:** After use, clean any dust or debris from the grinding wheel and surrounding area.
- **Storage:** Store the grinding wheel in a dry, cool place, protected from impact and moisture.
- **Regular inspection:** Periodically inspect the wheel for wear, cracks, or other damage. Replace the wheel if any damage is detected or if it becomes too small for safe operation.
- **Dressing:** Regularly dress the grinding wheel to maintain its concentricity and expose fresh abrasive grains. This improves grinding efficiency and finish quality.

TROUBLESHOOTING

This section addresses common issues you might encounter:

| Problem | Possible Cause | Solution |
|--------------------------------------|---|---|
| Excessive vibration during operation | Improperly mounted wheel, damaged wheel, unbalanced wheel | Re-mount the wheel securely, inspect for damage and replace if necessary, dress the wheel to balance. |
| Poor grinding performance / Glazing | Wheel surface loaded with material, worn abrasive grains | Dress the grinding wheel to expose fresh abrasive. |
| Wheel overheating | Excessive pressure, prolonged grinding without cooling | Reduce pressure, allow wheel and workpiece to cool periodically. |

SPECIFICATIONS

Key specifications for the Einhell Fine Grinding Wheel:

- **Product Type:** Fine Grinding Wheel
- **Model Number:** Schleifscheibe fein 175x32x25 mm
- **Dimensions:**
 - Diameter: 175 mm

- Bore Diameter: 32 mm
- Width: 25 mm
- **Grit Description:** Fine (Komung 60)
- **Maximum Rotational Speed:** 3830 RPM (35 m/s)
- **Compatibility:** Suitable for double grinders, e.g., Einhell BT-BG 175
- **Item Weight:** 1.16 kg
- **Part Number:** Schleifscheibe fein 175x32x25 mm
- **Manufacturer:** Einhell

WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official Einhell website or contact their customer service directly. This manual does not cover specific warranty terms. For further assistance, please visit the [Einhell official website](#).