

wolfcraft 4522000

Wolfcraft Tecmobil Drill Guide 4522000 Instruction Manual

Model: 4522000

1. INTRODUCTION

The Wolfcraft Tecmobil Drill Guide 4522000 is a versatile accessory designed to assist in precise, freehand drilling and sawing operations. It ensures accuracy on various surfaces, including round materials, battens, profiles, walls, and inclined surfaces, even when working in overhead positions. This manual provides essential information for the safe and effective use of your Tecmobil Drill Guide.

2. PRODUCT OVERVIEW AND COMPONENTS

The Tecmobil Drill Guide features a robust construction with several key components designed for precision and ease of use.

- **Two-Column Drill Guide:** An adjustable guide with a graduated scale for setting angles up to +/- 45°.
- **Base Plate:** Equipped with a centering device for accurate central drilling and a linear stop for repetitive series drilling.
- **Additional Handle:** Ensures precise and secure positioning, preventing slippage during operation.
- **Dust Extraction Attachment:** Allows for connection to a vacuum cleaner for dust-free operation.
- **Continuously Adjustable Depth Stop:** For controlling drilling depth.
- **Integrated V-Groove:** Provides secure support for drilling on round materials.
- **Rubber Buffers:** For stable positioning on smooth surfaces.

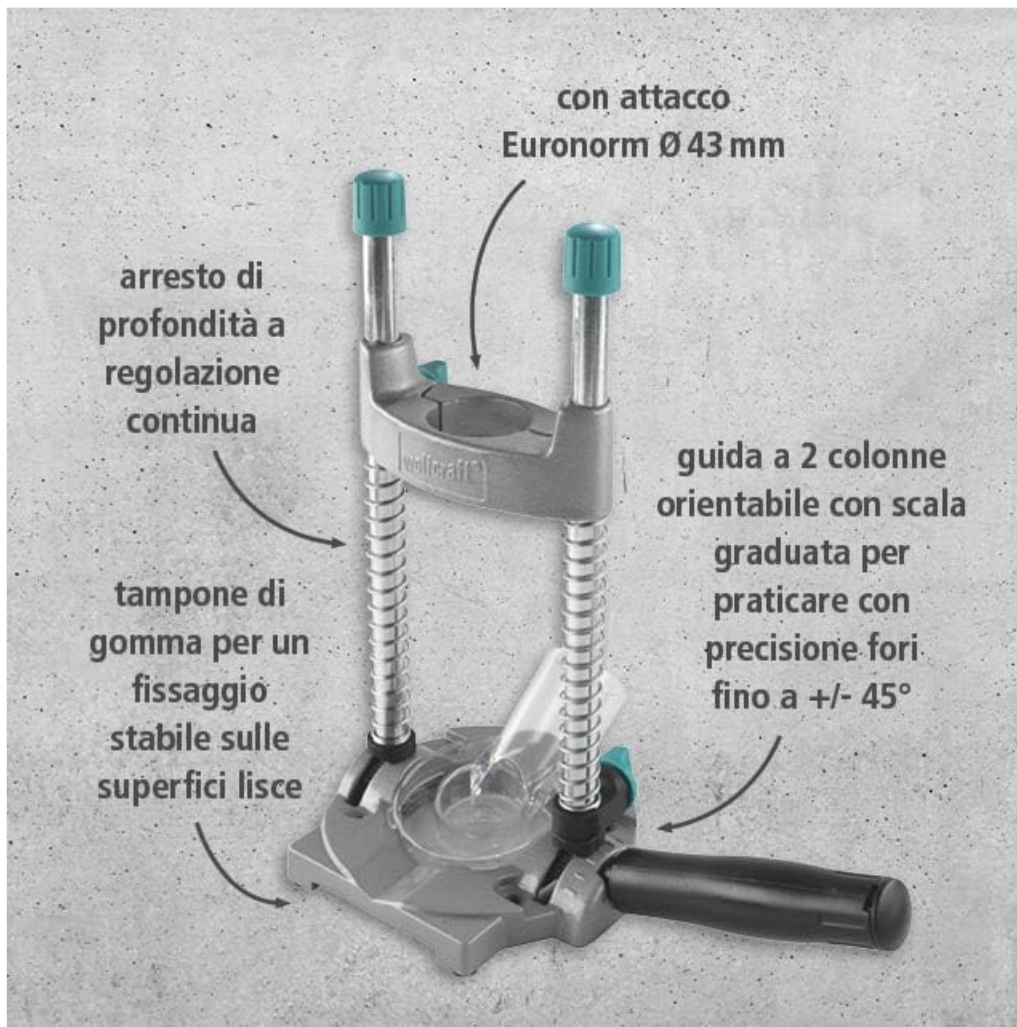


Figure 2.1: Key components of the Wolfcraft Tecmobil Drill Guide, including the continuously adjustable depth stop, Euronorm Ø 43 mm attachment, two-column guide with angle scale, and rubber buffers for stable fixation.

3. SETUP

Before using the Tecmobil Drill Guide, ensure your drill is compatible and properly secured.

1. **Drill Compatibility:** The Tecmobil Drill Guide is designed for drills with a standard European clamping collar of $\text{Ø } 43 \text{ mm}$. Verify your drill's collar diameter before attachment.
2. **Attaching the Drill:** Insert the drill's clamping collar into the guide's attachment point. Secure it firmly using the provided mechanism (typically a screw or clamp). Ensure the drill is stable and does not wobble.
3. **Adjusting Depth Stop:** Loosen the depth stop adjustment knob. Position your drill bit to the desired depth, then tighten the knob to secure the depth stop. This prevents drilling deeper than intended.
4. **Adjusting Angle (for angled drilling):** For angled drilling, loosen the locking mechanism on the two-column guide. Adjust the guide to the desired angle using the graduated scale (up to $\pm 45^\circ$). Tighten the locking mechanism securely.
5. **Connecting Dust Extraction:** If dust-free operation is desired, connect a vacuum cleaner hose to the dust extraction attachment on the base plate.

4. OPERATING INSTRUCTIONS

Follow these instructions for various drilling applications.

4.1 General Drilling

For standard vertical drilling, ensure the guide is set to 0° (perpendicular to the surface). Place the base plate firmly on the workpiece. Use the additional handle for stability and apply even pressure while drilling.

4.2 Angled Drilling

After setting the desired angle (up to $\pm 45^\circ$) as described in the Setup section, position the guide on the workpiece. Maintain a firm grip on the additional handle and the drill, applying steady pressure to achieve the angled hole.

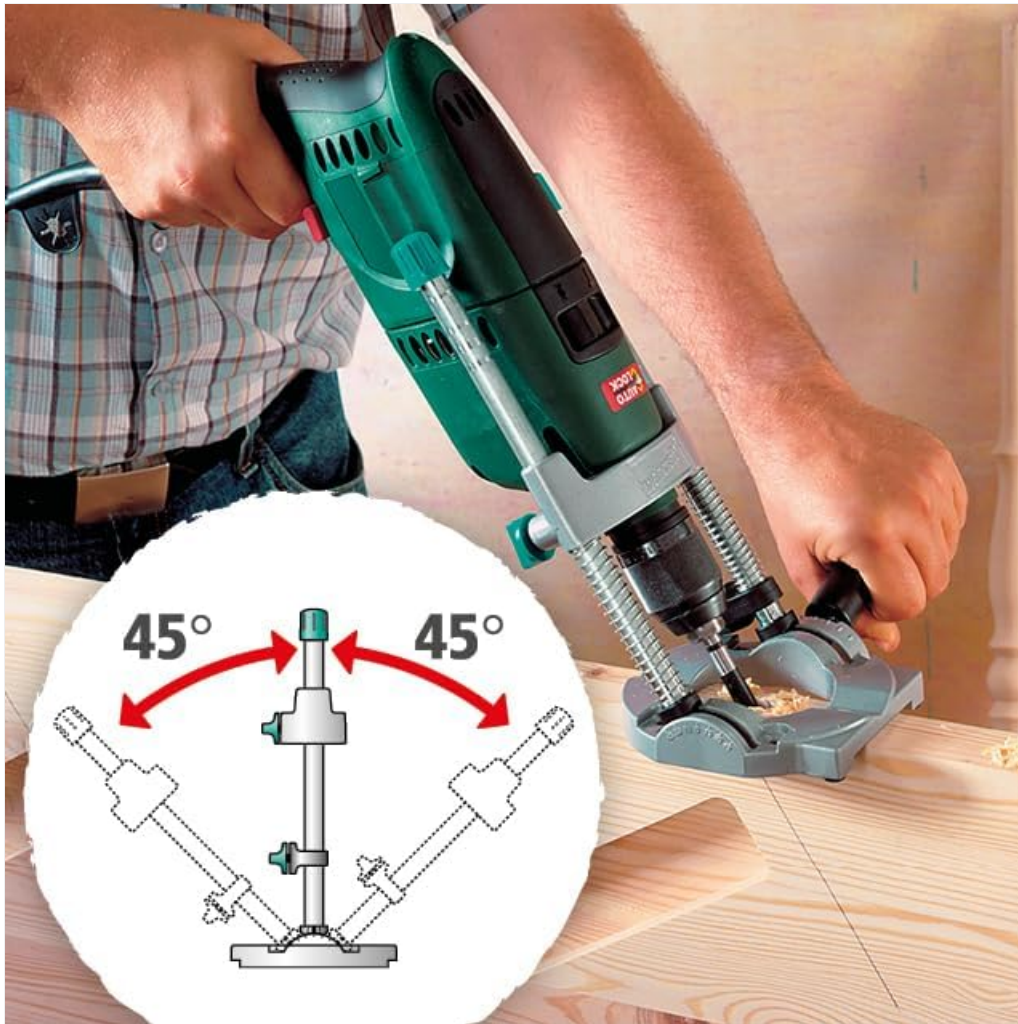


Figure 4.1: The Tecmobil Drill Guide allows for precise angled drilling up to 45 degrees in either direction.

4.3 Drilling on Round Materials

Utilize the integrated V-groove in the base plate to securely hold round workpieces such as pipes or dowels. This ensures the drill bit remains centered and prevents the workpiece from shifting during drilling.

4.4 Wall Drilling and Dust Extraction

For drilling into walls, especially with dust extraction, press the base plate firmly against the wall. The rubber buffers help maintain position. Ensure the dust extraction hose is securely attached to minimize debris.



Figure 4.2: Demonstrating dust-free drilling on a wall using the integrated dust extraction attachment.

4.5 Multiple Applications

The Tecmobil Drill Guide is suitable for various tasks, including drilling into wood, metal, and masonry, as well as for precise hole sawing.



Figure 4.3: The Tecmobil Drill Guide in use for drilling on walls, wood, and round metal pipes, showcasing its versatility.

5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your Tecmobil Drill Guide.

- **Cleaning:** After each use, clean the guide to remove dust, wood chips, and other debris. A dry cloth is usually sufficient. For stubborn residue, a slightly damp cloth can be used, followed by drying.
- **Lubrication:** Periodically apply a small amount of light oil or silicone grease to the guide columns and springs to ensure smooth operation and prevent corrosion.
- **Storage:** Store the Tecmobil Drill Guide in a clean, dry place. The integrated drill bit storage compartment can be used to keep frequently used bits organized.



Figure 5.1: The Tecmobil Drill Guide features a convenient storage compartment for drill bits.

6. TROUBLESHOOTING

If you encounter issues with your Tecmobil Drill Guide, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Drill does not fit or is unstable.	Incompatible drill collar diameter.	Ensure your drill has a standard Euronorm Ø 43 mm clamping collar.
Guide wobbles or lacks precision.	Loose connections or worn components.	Check and tighten all screws and clamping mechanisms. Ensure guide columns are clean and lubricated.
Dust extraction is ineffective.	Hose not properly connected or vacuum cleaner insufficient.	Verify secure connection of the vacuum hose. Ensure the vacuum cleaner has adequate suction power.
Difficulty adjusting angle or depth.	Locking mechanisms are too tight or components are stiff.	Loosen adjustment knobs sufficiently. Apply lubricant to moving parts if stiffness persists.

7. SPECIFICATIONS

- **Brand:** wolcraft
- **Model Number:** 4522000
- **Compatible Drill Collar Diameter:** Ø 43 mm (Euronorm standard)
- **Adjustable Angle:** Up to +/- 45 degrees
- **Dimensions (L x W x H):** 32 x 15.5 x 15 cm (approximately)
- **Weight:** Approximately 1.42 kg (3.14 lbs)
- **Material:** Metal

- **Special Features:** Dust extraction attachment, continuously adjustable depth stop, V-groove for round materials, centering device.

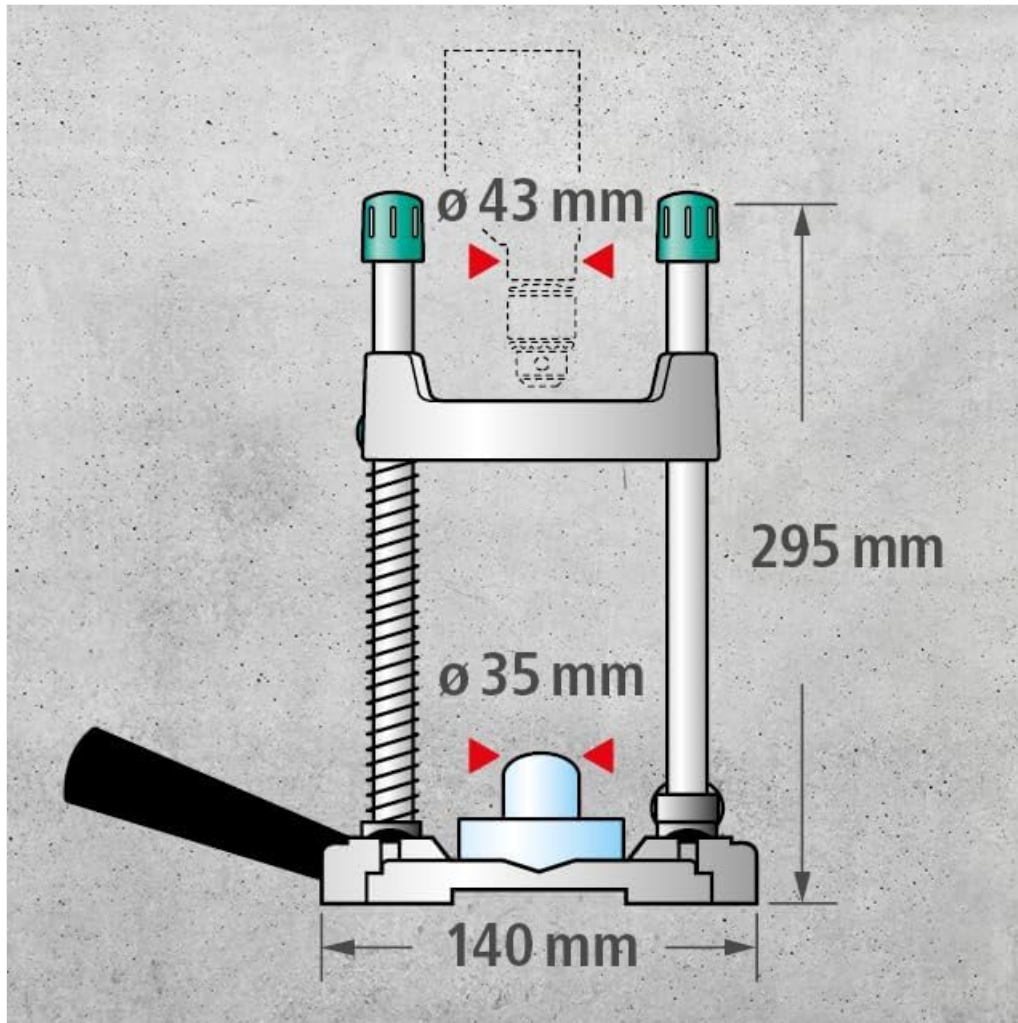


Figure 7.1: Dimensional overview of the Wolfcraft Tecmobil Drill Guide, showing key measurements.

8. WARRANTY AND SUPPORT

Wolfcraft provides a comprehensive warranty for the Tecmobil Drill Guide.

- **Warranty Period:** This product comes with a **10-year warranty**, covering manufacturing defects and material faults under normal use.
- **Customer Support:** For technical assistance, warranty claims, or spare parts, please contact Wolfcraft customer service through their official website or authorized retailers.