

wolfcraft 4685000

Wolfcraft 4685000 Accumobil Mobile Drilling Aid

Model: 4685000

INTRODUCTION

The Wolfcraft 4685000 Accumobil Mobile Drilling Aid is designed to assist in drilling precise, perpendicular holes in various materials. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your drilling aid.

SAFETY INSTRUCTIONS

Always observe general safety precautions when working with power tools and drilling equipment. Failure to follow these instructions may result in injury or damage to the tool or workpiece.

- Wear appropriate personal protective equipment, including safety glasses and hearing protection.
- Ensure your workpiece is securely clamped or stabilized before drilling.
- Use sharp, correctly sized drill bits for the material being drilled.
- Keep hands and loose clothing away from rotating drill bits.
- Do not force the drill; allow the drill bit to do the work.
- Disconnect the power drill from its power source before changing drill bits or performing maintenance.

PRODUCT OVERVIEW

The Wolfcraft Accumobil Mobile Drilling Aid is a compact tool designed for accurate drilling. It features integrated components to ensure stability and precision.

Key Components and Features:

- **Drill Bushes:** Five metal precision drill bushes are integrated for common drill bit diameters: Ø 4, 5, 6, 8, and 10 mm.
- **Rubber Buffers:** Located on the base, these buffers provide a secure grip on smooth surfaces,

preventing the drilling aid from slipping during operation.

- **V-Slot:** An integrated V-slot allows for stable positioning on round materials or edges, ensuring centered drilling.
- **Positioning Lines:** Markings on the aid assist in aligning the drilling position accurately.



Figure 1: Diagram illustrating the drill bush sizes (4, 5, 6, 8, 10 mm) and positioning lines on the Wolfcraft Accumobil Mobile Drilling Aid.

SETUP

Before beginning any drilling task, ensure the drilling aid is properly prepared.

1. **Select Drill Bit:** Choose a drill bit that matches one of the five available drill bush diameters (4, 5, 6, 8, or 10 mm).
2. **Insert Drill Bit:** Securely insert the selected drill bit into your power drill's chuck. Ensure it is tightened properly.
3. **Position Drilling Aid:** Place the Accumobil drilling aid over the desired drilling location on your workpiece. Ensure the correct drill bush aligns with the drill bit.
4. **Stabilize:** For smooth surfaces, the rubber buffers will help stabilize the aid. For round materials or edges, utilize the integrated V-slot to center the aid.

OPERATING INSTRUCTIONS

Follow these steps for accurate and safe drilling with the Accumobil Mobile Drilling Aid.



Figure 2: Various applications of the drilling aid, demonstrating vertical drilling on flat surfaces, edges, and round materials, ensuring a 90-degree angle.

1. **Align and Secure:** Position the drilling aid precisely at the desired drilling point. For flat surfaces, press down firmly to engage the rubber buffers. For edges or round stock, use the V-slot to ensure proper alignment.
2. **Insert Drill:** Carefully insert the drill bit into the chosen metal drill bush. Ensure the drill bit is centered within the bush.
3. **Begin Drilling:** Start your power drill at a low speed and apply steady, even pressure. The drilling aid will guide the drill bit to maintain a perpendicular angle (90 degrees) to the surface.
4. **Monitor Depth:** If your drill has a depth stop, set it according to your requirements. Otherwise, monitor the drilling depth visually. The green stop button on the aid can be used as a visual indicator or a temporary stop for consistent depth.
5. **Clear Debris:** Periodically withdraw the drill bit slightly to clear chips and dust, especially when drilling deeper holes.
6. **Complete Drilling:** Continue drilling until the desired depth is reached. Maintain a firm grip on both the drill and the drilling aid throughout the process.
7. **Withdraw Drill:** Once drilling is complete, withdraw the drill bit from the hole while the drill is still rotating to prevent snagging.

Figure 3: Proper technique for using the drilling aid to create a straight hole in a wooden workpiece.

MAINTENANCE

Regular maintenance ensures the longevity and continued accuracy of your drilling aid.

- **Cleaning:** After each use, wipe down the drilling aid with a dry cloth to remove dust, wood chips, or metal shavings. Do not use harsh chemicals that could damage the plastic or rubber components.
- **Inspection:** Periodically inspect the metal drill bushes for wear or damage. Ensure the rubber buffers are intact and provide adequate grip.
- **Storage:** Store the drilling aid in a clean, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues while using the drilling aid, consider the following common solutions:

- **Inaccurate Holes:** Ensure the drilling aid is firmly pressed against the workpiece and the drill bit is correctly seated in the chosen bush. Verify the drill bit is sharp and suitable for the material.
- **Drill Bit Slipping:** Confirm the drill bit diameter matches the selected drill bush. Apply consistent, firm pressure to the drilling aid to engage the rubber buffers or V-slot effectively.
- **Difficulty Inserting Drill Bit:** Ensure the drill bit is clean and free of debris. Do not force the drill bit into the bush; it should slide in smoothly.

SPECIFICATIONS

Brand	wolcraft
Model Number	4685000
Power Source	Manual
Maximum Chuck Size	10 mm
Included Components	1 Accumobil Mobile Drilling Aid
Drill Bush Diameters	4, 5, 6, 8, 10 mm
Material	Plastic
Color	Grey
Item Dimensions (L x W x H)	3.15" x 2.17" x 0.54" (80 x 55 x 13.7 mm)
Item Weight	5.96 Ounces (169 g)

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please refer to the official wolcraft website or contact their customer service directly. Keep your purchase receipt as proof of

purchase.