

wolfcraft 8728000

Wolfcraft 8728000 Forstner Drill Bit Set with Marking Template User Manual

Model: 8728000

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of the Wolfcraft 8728000 Forstner Drill Bit Set. This set is designed for precise drilling of holes for concealed hinges and eccentric connectors in woodworking applications. Please read all instructions carefully before use to ensure optimal performance and safety.

2. PRODUCT OVERVIEW

The Wolfcraft 8728000 set includes a 35mm Forstner drill bit and a plastic marking template. These components work together to achieve accurate and clean drilling results.

2.1 Components

- **1 x Forstner Drill Bit (Ø 35 mm):** Features a patented cutting edge geometry designed to minimize heat generation during drilling, preventing burn marks on the workpiece and ensuring accurate holes.
- **1 x Marking Template:** A plastic template for precise marking of drilling points for concealed hinges and eccentric connectors with diameters of 26 mm and 35 mm.

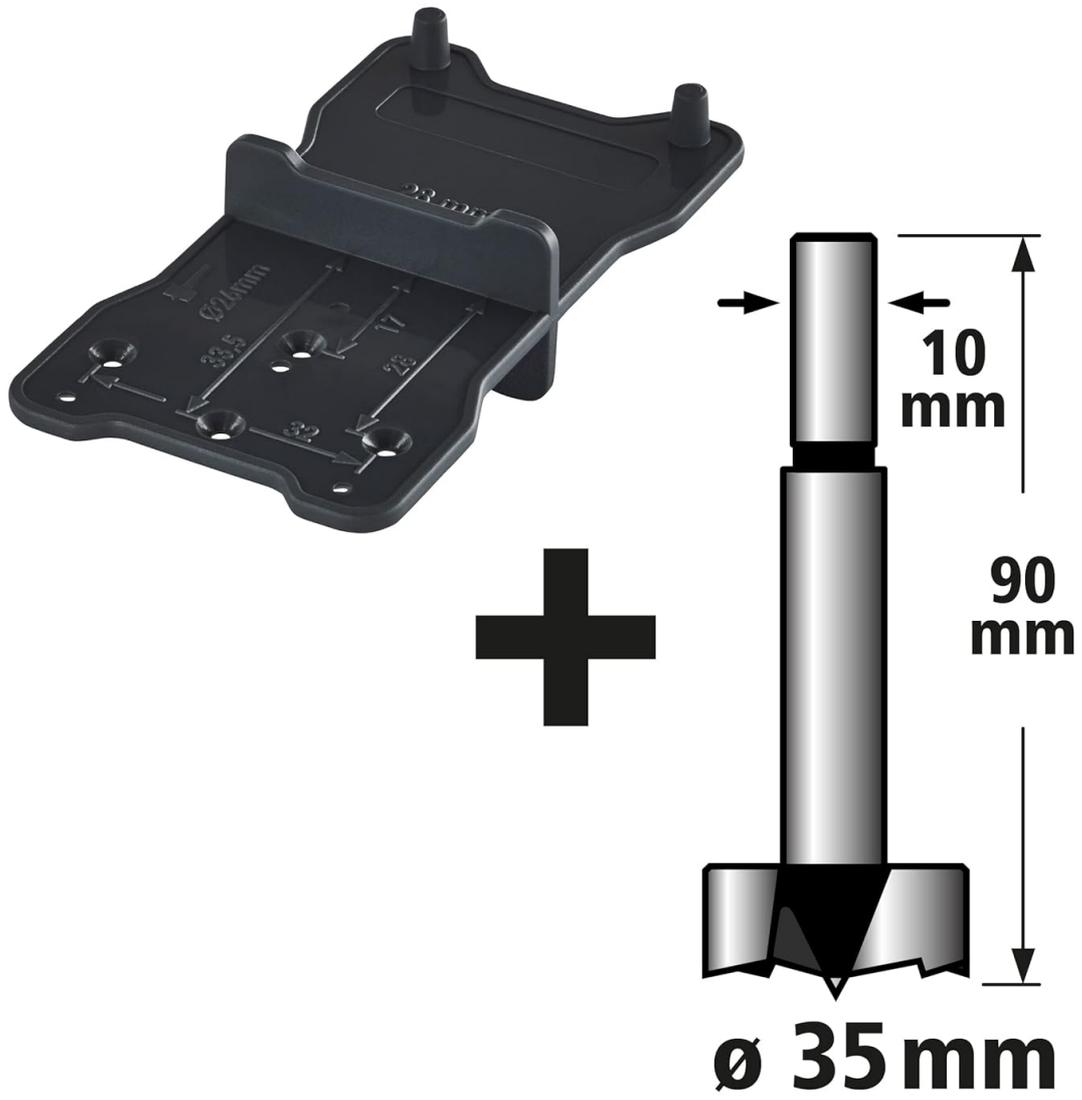


Image 1: The Wolfcraft 8728000 set, showing both the 35mm Forstner drill bit and the plastic marking template.

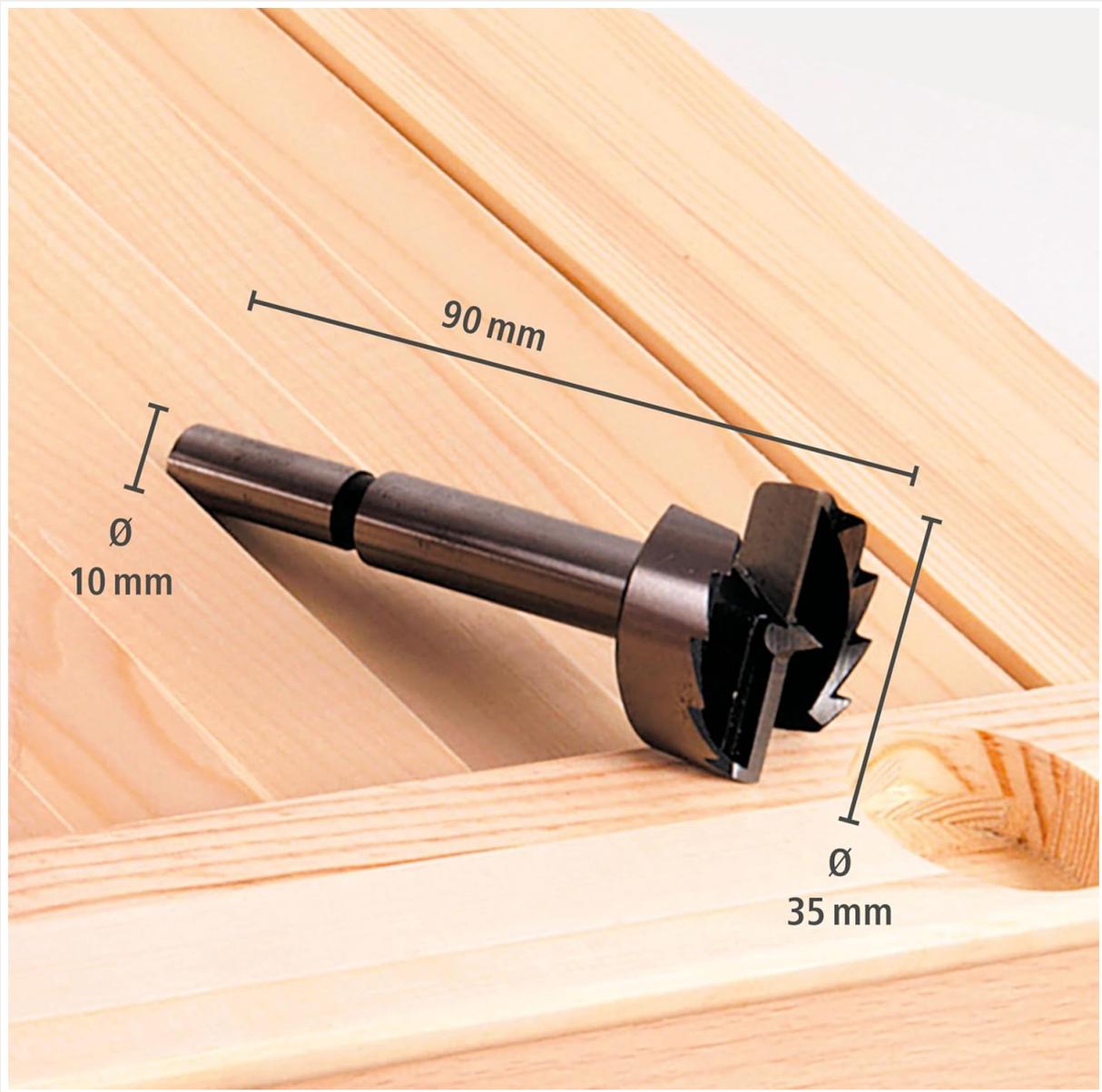


Image 2: Detailed dimensions of the 35mm Forstner drill bit, showing a cutting diameter of 35mm, shank diameter of 10mm, and overall length of 90mm.



Image 3: The plastic marking template, designed for precise placement of concealed hinges, indicating markings for 26mm and 35mm holes and various offset measurements.

3. SETUP

Proper setup is crucial for accurate and safe drilling.

3.1 Preparing the Workpiece

1. **Secure the Workpiece:** Always clamp your workpiece firmly to a stable surface to prevent movement during drilling.
2. **Marking Drilling Points:**
 - Place the marking template on the desired drilling location on your workpiece.
 - Align the template according to your hinge or connector specifications (e.g., distance from edge).
 - Use a pencil or marking tool to accurately mark the center point for the 35mm hole and any pilot holes for screws, using the template's guides.



Image 4: A user demonstrating the use of the marking template to precisely mark the drilling location for a concealed hinge on a wooden panel, part of the 'System 32' method.

3.2 Installing the Drill Bit

1. Ensure your drill is unplugged or its battery is removed before changing bits.
2. Insert the shank of the 35mm Forstner drill bit into the chuck of your drill.
3. Tighten the chuck securely to prevent the bit from slipping during operation.
4. Verify that the drill bit is centered and runs true before proceeding.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective drilling of hinge holes.

1. **Wear Safety Gear:** Always wear appropriate safety glasses and hearing protection.
2. **Position the Drill:** Place the center point of the Forstner drill bit precisely on the marked drilling point on your workpiece.
3. **Start Drilling:** Begin drilling at a moderate speed, applying steady, even pressure. Avoid excessive force, which can lead to overheating or splintering.
4. **Maintain Speed:** The patented cutting edge geometry is designed to prevent heat buildup. Maintain

a consistent drilling speed appropriate for the material.

5. **Clear Chips:** Periodically withdraw the drill bit slightly to clear wood chips from the hole, especially when drilling deep holes. This helps prevent overheating and improves cutting efficiency.
6. **Complete the Hole:** Continue drilling until the desired depth is reached. For concealed hinges, ensure the hole depth accommodates the hinge cup fully.
7. **Inspect:** After drilling, inspect the hole for cleanliness and accuracy. The design of this drill bit aims to produce clean holes without burn marks.



Image 5: A wooden panel with two concealed hinges successfully installed into precisely drilled holes, demonstrating the intended outcome of using the Wolfcraft Forstner drill bit set.

5. MAINTENANCE

Proper maintenance extends the life and performance of your drill bit.

- **Cleaning:** After each use, clean the drill bit to remove any wood dust or resin buildup. A brush or compressed air can be used.
- **Sharpening:** If the drill bit becomes dull, it can be professionally sharpened. A sharp bit ensures clean cuts and prevents overheating.
- **Storage:** Store the drill bit and marking template in a dry place to prevent rust and damage. Keep them in their original packaging or a suitable tool case.
- **Inspection:** Regularly inspect the drill bit for any signs of damage, such as bent shanks or chipped cutting edges. Do not use damaged bits.

6. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Burn Marks on Workpiece:**
 - Ensure the drill bit is sharp. A dull bit generates more friction and heat.

- Reduce drilling speed.
- Clear wood chips more frequently.
- **Inaccurate Hole Placement:**
 - Re-verify markings with the template before drilling.
 - Ensure the workpiece is securely clamped and does not shift.
 - Confirm the drill bit is properly seated and tightened in the chuck.
- **Excessive Vibration:**
 - Check if the drill bit is bent or damaged. Replace if necessary.
 - Ensure the drill bit is securely tightened in the chuck.

7. SPECIFICATIONS

Feature	Specification
Model Number	8728000
Brand	wolfcraft
Cutting Diameter	35 mm
Shank Diameter	10 mm
Overall Length	90 mm
Material	Alloy Steel, Carbon Steel
Finish Type	Uncoated
Item Weight	1 g
Product Dimensions	3.6 x 14.8 x 20.3 cm (packaging)
Included Components	1 Forstner drill bit, 1 marking template

8. WARRANTY AND SUPPORT

For information regarding warranty, returns, or technical support, please refer to the official Wolfcraft website or contact your retailer. Keep your purchase receipt as proof of purchase.