

wolfcraft 5027000

wolfcraft Drill Stand 5027000 Instruction Manual

For controlled and precise drilling

INTRODUCTION

The wolfcraft Drill Stand 5027000 is designed to provide controlled and precise drilling for various workpieces. Its robust construction ensures straight drilling without twisting, allowing for accurate depth setting and stable operation. This manual provides essential information for the safe and effective use of your drill stand.



Image: Front view of the wolfcraft Drill Stand 5027000, showcasing its robust design and main components.

SAFETY INSTRUCTIONS

Always observe the following safety precautions when operating the drill stand:

- Read and understand all instructions before use.
- Wear appropriate personal protective equipment (PPE), including safety glasses and hearing protection.
- Ensure the drill stand is securely mounted on a stable, level workbench.
- Always secure your workpiece firmly using clamps or a vice to prevent movement during drilling.
- Disconnect the power drill from the mains before making any adjustments or changing drill bits.
- Keep hands and loose clothing away from moving parts.
- Do not force the drill. Allow the drill bit to do the work.
- Keep the work area clean and well-lit.
- Do not operate the drill stand in damp or wet conditions.
- Store the drill stand in a dry, secure location when not in use.

PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- 1 x wolcraft Drill Stand 5027000

No additional components are included beyond the drill stand itself.

SETUP AND ASSEMBLY

Follow these steps to assemble and prepare your drill stand for use:

1. **Base and Column Assembly:** Securely attach the 40 mm round column to the base. Ensure all fasteners are tightened to prevent any movement or instability.
2. **Mounting the Power Drill:** The drill stand features a Euronorm collar with a 43 mm diameter. Insert your power drill into this collar and tighten the clamping mechanism firmly. Ensure the drill is centered and held securely.
3. **Adjusting the Operating Unit:** The operating unit, which holds the power drill, can be adjusted vertically along the toothed rack. Use the rack-and-pinion drive for convenient and precise height adjustment.
4. **Cable Management:** Utilize the integrated cable holder to route the power cable of your drill, preventing it from interfering with operation or getting damaged.



Image: Dimensional drawing of the wolcraft Drill Stand 5027000, showing key measurements for setup and workspace planning.



Image: Detail of the cable holder on the drill stand, illustrating proper cable routing for safety and convenience.

OPERATING INSTRUCTIONS

To achieve precise and controlled drilling, follow these operational steps:

1. **Secure Workpiece:** Place your workpiece on the base of the drill stand. Use appropriate clamps or a vice, which can be attached to the clamping grooves on the base, to hold the workpiece firmly in position.
2. **Adjust Drilling Height:** Use the rack-and-pinion drive to adjust the height of the operating unit so that the drill bit is positioned correctly above your workpiece.
3. **Set Drilling Depth:** Utilize the depth stop with its quick adjuster and scale ring. Set the desired drilling depth precisely to the millimeter. This ensures consistent hole depths across multiple operations.
4. **Initiate Drilling:** With the workpiece secured and depth set, activate your power drill. Use the 3-arm feed lever to comfortably lower the operating unit and drill into the workpiece. The return spring will assist in moving the machine back up after drilling.
5. **Monitor and Control:** Maintain a steady, controlled feed rate. Avoid excessive pressure, which can damage the drill bit or the workpiece.



Image: The drill stand in operation, demonstrating its capability to drill precisely into both a metal pipe and a wooden plank, with workpieces secured by a vice.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drill stand:

- **Cleaning:** After each use, clean the drill stand to remove dust, chips, and debris. Use a dry cloth or brush. Avoid using harsh chemicals that could damage the finish.
- **Lubrication:** Periodically apply a light lubricant to the column and rack-and-pinion mechanism to ensure smooth operation.
- **Inspection:** Regularly inspect all fasteners and moving parts for wear or damage. Tighten any loose screws. Replace worn components as necessary.
- **Storage:** Store the drill stand in a clean, dry environment, protected from moisture and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your drill stand, consider the following common solutions:

Problem	Possible Cause	Solution
Drill not moving smoothly up/down	Lack of lubrication, debris in rack, loose components.	Clean the column and rack. Apply lubricant. Check and tighten all assembly screws.
Inaccurate drilling depth	Depth stop not set correctly, depth stop loose.	Re-adjust the depth stop, ensuring it is securely locked. Verify the scale ring setting.
Drill wobbles or is not straight	Power drill not securely clamped, column or base fasteners loose.	Ensure the power drill is tightly secured in the Euronorm collar. Check and tighten all assembly fasteners for the column and base.
Workpiece moves during drilling	Workpiece not properly secured.	Always use clamps or a vice to firmly hold the workpiece to the base.

If problems persist, contact wolcraft customer support.

SPECIFICATIONS

Feature	Detail
Brand	wolcraft
Model Number	5027000
Power Source	Hand-powered (requires external power drill)
Maximum Chuck Size (Euronorm Collar)	43 Millimeters
Column Diameter	40 mm

Column Length (Toothed Rack)	420 mm
Special Features	Precise Drilling, Depth Stop with Quick Adjuster, Scaled Drilling Depth
Product Dimensions (L x W x H)	21.65" x 9.65" x 22.87" (approx. 550mm x 245mm x 581mm)
Material	Die-cast aluminium
Item Weight	7.98 Kilograms (approx. 17.56 pounds)
Drilling Capacity Wood	40 Millimeters
Drilling Capacity Metal	10 Millimeters
UPC	790295983620, 772040282677

WARRANTY

The wolcraft Drill Stand 5027000 comes with a **10-year guarantee**, reflecting the manufacturer's commitment to quality and durability. Please retain your proof of purchase for warranty claims.



Image: Logo indicating a 10-year guarantee for the product.

SUPPORT AND CONTACT

For further assistance, technical support, or warranty inquiries, please contact wolcraft customer service or visit their official website:

- **Manufacturer:** wolcraft GmbH
- **Address:** Wolffstraße 1, 56746 Kempenich, Germany
- **Website:** www.wolcraft.com (Please refer to the website for regional contact information)



Image: Close-up of the manufacturer's label on the drill stand, showing wolcraft GmbH contact details.