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Scheppach DP16SL

Scheppach DP16SL Bench Drill Press User Manual

Model: DP16SL

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Scheppach DP16SL Bench Drill Press. Please read this manual thoroughly before initial use and keep it for future reference.



Figure 1: Scheppach DP16SL Bench Drill Press with integrated laser and included vise.

SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury or damage to the equipment.

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Secure the workpiece firmly using the provided vise or other clamping methods.
- Disconnect power before making adjustments, changing bits, or performing maintenance.
- Do not operate the drill press if any parts are damaged or missing.
- Keep hands and loose clothing away from moving parts.
- Ensure proper ventilation to avoid dust accumulation.

COMPONENTS OVERVIEW

Familiarize yourself with the main components of your drill press:

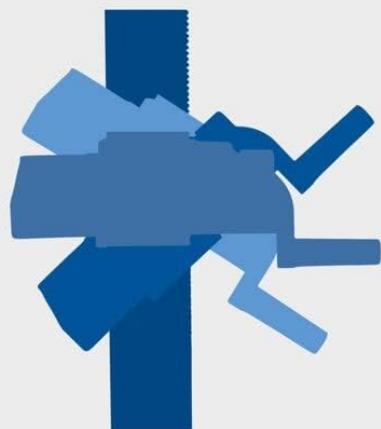
- **Head Assembly:** Contains the motor, chuck, and speed adjustment mechanism.
- **Column:** The main support structure.
- **Work Table:** Adjustable platform for holding workpieces.
- **Base:** Provides stability for the entire unit.
- **Chuck:** Holds the drill bits.
- **Depth Stop:** For consistent drilling depth.
- **Laser Guide:** Projects crosshairs for precise positioning.
- **Vise:** Included for securing workpieces.



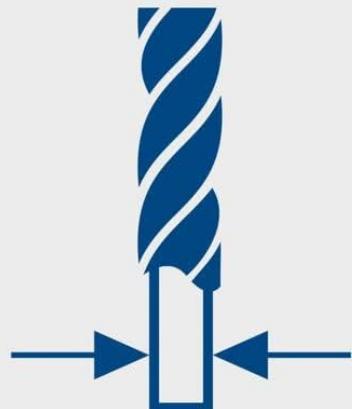
60 mm
Profondeur
de perçage

Figure 2: The Scheppach DP16SL offers a drilling depth of up to 60mm, allowing for deep and precise holes.

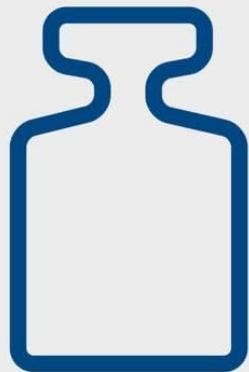
Table de perçage inclinable de 45° à 45



Plage de serrage du mandrin de 1,5 à 13 mm



Poids élevé pour une bonne stabilité



Moteur puissant de 550 W

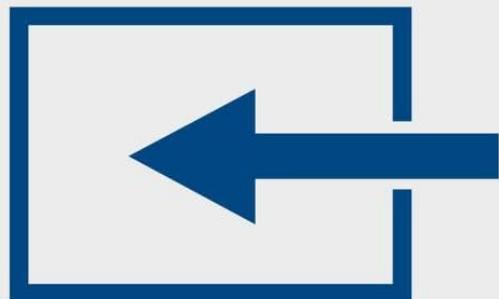
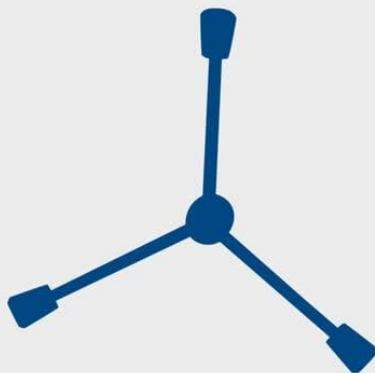
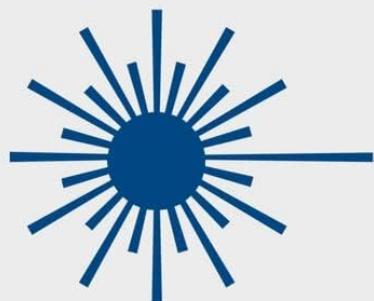


Figure 3: Key features include a work table inclinable from -45° to +45°, a chuck clamping range of 1.5 to 13mm, a heavy base for excellent stability, and a powerful 550W motor.

Poignée ergonomique



Laser de précision



Plage de vitesses de 510 à 2430 min⁻¹ répartie en 5 vitesses



Entraînement par courroie



Figure 4: Additional features include an ergonomic handle for comfortable operation, a precision laser for accurate drilling, a 5-speed range from 510 to 2430 min⁻¹, and a reliable belt drive system.

SETUP AND ASSEMBLY

The Scheppach DP16SL arrives partially disassembled. Follow these steps for proper assembly:

- Unpacking:** Carefully remove all components from the packaging. Verify all parts are present against the packing list.
- Base and Column Assembly:** Securely attach the column to the base using the provided fasteners. Ensure it is stable and upright.
- Work Table Installation:** Slide the work table assembly onto the column. Adjust its height and secure it with the locking handle.
- Head Assembly Mounting:** Mount the head assembly onto the top of the column. Ensure it is properly seated and secured.
- Chuck Installation:** Clean the tapered shaft of the chuck and the spindle. Firmly push the chuck onto the spindle

until it seats securely. (Note: Proper chuck installation is crucial for accurate drilling and minimal vibration.)

6. **Vise Attachment:** The included vise can be mounted to the work table using the slots and bolts.
7. **Laser Adjustment:** The integrated laser may require calibration for optimal precision. Refer to the specific instructions for laser alignment in the operating section.



Figure 5: The included vise securely holds workpieces on the drill press table, enhancing stability and precision during drilling operations.

Le serrage par clé du mandrin à crémaillère garantit une force de serrage élevée.

DP16SL

Produits
équivalents



Figure 6: The keyless chuck of the DP16SL ensures high clamping force for secure bit retention.

OPERATING INSTRUCTIONS

1. Power Connection

Connect the drill press to a standard 240V electrical outlet. Ensure the power switch is in the "OFF" position before plugging in.

2. Speed Adjustment

The DP16SL offers 5 variable speeds (510-2430 min-1) via a belt drive system. To change speeds, open the belt cover and adjust the belt position on the pulleys according to the speed chart located inside the cover. Always disconnect power before adjusting belt speeds.

3. Installing Drill Bits

Open the chuck jaws using the chuck key. Insert the drill bit fully into the chuck, ensuring it is centered. Tighten the chuck securely with the key. Remove the chuck key before starting the drill.

4. Workpiece Setup

Place the workpiece on the work table. Use the included vise or other clamps to firmly secure the workpiece to prevent rotation during drilling. Adjust the table height and angle as needed.



Figure 7: A user demonstrating the operation of the Scheppach DP16SL, highlighting its ease of use for various drilling tasks.

La protection du mandrin augmente la sécurité du travail.

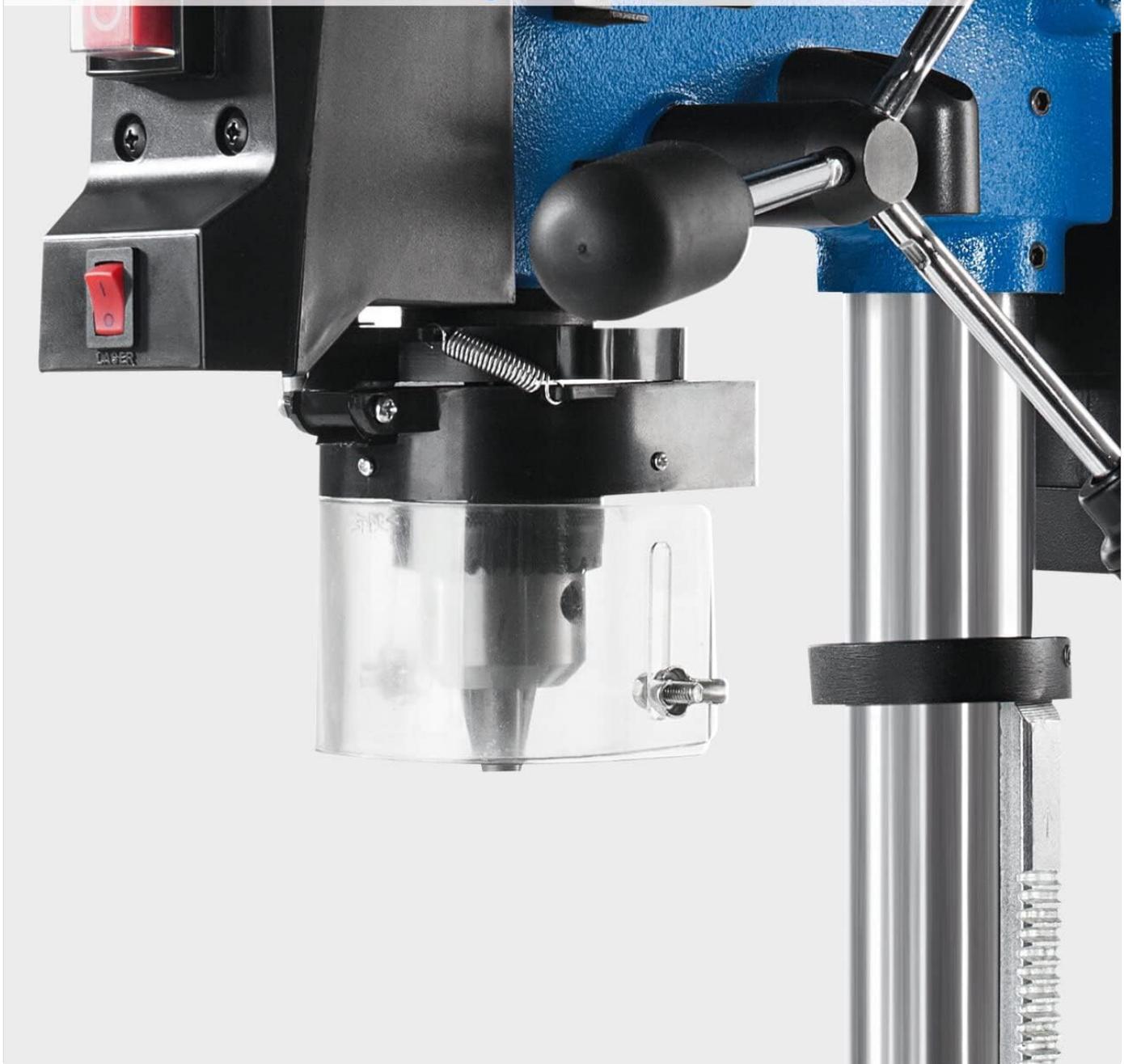


Figure 8: The transparent chuck protection guard enhances operational safety by shielding the user from rotating parts and debris.

5. Using the Laser Guide

Activate the integrated laser guide using its dedicated switch. The laser projects a crosshair onto the workpiece, indicating the exact drilling point. Align the desired drilling location with the laser crosshair for precise hole placement.

Travail précis avec le laser en croix.



Figure 9: Achieve precise drilling results with the integrated cross laser, ensuring accurate hole placement on various materials.

6. Drilling Operation

Turn on the drill press. Slowly lower the drill bit into the workpiece using the feed handle. Apply steady, even pressure. Avoid excessive force, which can damage the bit or motor. Once drilling is complete, retract the bit and turn off the machine.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drill press.

- **Cleaning:** After each use, clean the drill press, especially the work table and column, from dust and debris. Use a brush or vacuum.
- **Lubrication:** Periodically apply a light coat of machine oil to the column and other moving parts to prevent rust and ensure smooth operation.
- **Belt Inspection:** Check the drive belt for wear, cracks, or tension. Replace if necessary.

- **Chuck Maintenance:** Keep the chuck jaws clean and free of debris.
- **Fastener Check:** Regularly inspect all fasteners and tighten any that have become loose.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill not turning on	No power supply; Emergency stop engaged; Faulty switch.	Check power connection; Release emergency stop button; Contact service.
Excessive vibration during operation	Loose chuck or drill bit; Unsecured workpiece; Worn bearings.	Tighten chuck/bit; Secure workpiece firmly; Contact service for bearing replacement.
Laser guide not working or inaccurate	Laser switch off; Batteries (if applicable) low; Misaligned laser.	Turn on laser switch; Replace batteries; Calibrate laser according to manual.
Difficulty changing speeds	Belt tension too high; Pulleys dirty.	Adjust belt tension; Clean pulleys.

SPECIFICATIONS

Feature	Specification
Model	DP16SL
Manufacturer	SCHEPPACH
Power Input	550 Watts
Voltage	240 Volts
Number of Speeds	5
Speed Range	510 - 2430 min ⁻¹ (RPM)
Chuck Capacity	1.5 - 13 mm
Drilling Depth	60 mm
Work Table Dimensions	194mm (Length) x 165mm (Width)
Table Tilt Angle	-45° to +45°
Product Dimensions (L x W x H)	29 x 36 x 65 cm
Weight	23.5 Kilograms
Noise Level	70.5 dB
Special Features	Integrated Laser, Robust Cast Iron Support

WARRANTY AND SUPPORT

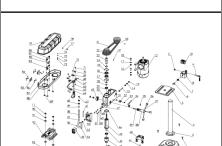
Scheppach products are manufactured with high-quality materials and undergo strict quality control. For warranty information, technical support, or spare parts, please contact your local Scheppach dealer or visit the official Scheppach

website. Keep your purchase receipt as proof of purchase.

For further assistance, you may refer to the Scheppach brand store:[Scheppach Store](#)

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Related Documents - DP16SL

	<p>Scheppach STB T13, STB T16, STB S16 Ständerbohrmaschinen Bedienungsanleitung</p> <p>Dieses Dokument ist die offizielle Bedienungsanleitung für die Scheppach Ständerbohrmaschinen Modelle STB T13, STB T16 und STB S16. Es enthält detaillierte Informationen zu Montage, Inbetriebnahme, sicherer Verwendung und Wartung dieser leistungsstarken Holzbearbeitungsmaschinen.</p>
	<p>Scheppach DP16SL Drill Press Operating Manual</p> <p>This document provides operating instructions, safety guidelines, and technical specifications for the Scheppach DP16SL drill press. Learn how to safely assemble, operate, and maintain your drill press for optimal performance.</p>
	<p>Scheppach DP16VLS Drill Press Spare Parts Diagram and List</p> <p>Detailed spare parts list and exploded view diagram for the Scheppach DP16VLS drill press, including part numbers, descriptions, and model information.</p>
	<p>Scheppach Drill Press DP55 (5906822901) Spare Parts List and Diagram</p> <p>Comprehensive spare parts list and exploded view diagram for the Scheppach Drill Press DP55 (Model 5906822901), including part numbers, descriptions, and assembly references.</p>
	<p>Scheppach DP16VLS Drill Press Operating Manual</p> <p>This document provides operating instructions and safety guidelines for the Scheppach DP16VLS drill press. It covers setup, usage, maintenance, and troubleshooting for this woodworking tool.</p>



[Scheppach DH1600Max Bohrhammer Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für den Scheppach DH1600Max Bohrhammer. Enthält Sicherheitshinweise, technische Daten, Bedienungsanleitungen und Wartungstipps für professionelle Ergebnisse.