

## Hecht Standbohrmaschine Hecht

# Hecht Professional Pillar Drill 600W - Instruction Manual

Model: Standbohrmaschine Hecht

## 1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Read all instructions carefully before use.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.

## 2. PRODUCT OVERVIEW AND COMPONENTS

The Hecht Professional Pillar Drill is designed for precise drilling operations. Familiarize yourself with its main components for safe and effective use.



*An overview of the Hecht Professional Pillar Drill, showcasing its robust construction and key components.*

- **Motor Housing:** Contains the 600W motor and belt drive system.
- **Head Assembly:** Includes the chuck, spindle, and depth stop.
- **Column:** The main support structure for the head assembly and drilling table.
- **Drilling Table:** Adjustable in height and angle for versatile drilling.
- **Base Plate:** Provides stability and features mounting slots for securing to a workbench.

- **Chuck:** Holds the drill bits securely (3-16 mm capacity).
- **Speed Adjustment Lever:** Used to change the drilling speed.
- **Feed Handles:** Used to lower the chuck and drill bit into the workpiece.
- **On/Off Switch:** Power control for the drill.
- **Chip Protection Guard:** Transparent guard for safety during operation.

### 3. SETUP AND ASSEMBLY

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Follow these steps to assemble and set up your pillar drill before initial use.

1. **Unpacking:** Carefully remove all components from the packaging. Check for any damage or missing parts.
2. **Base Plate Installation:** Place the base plate on a stable, level workbench. Secure it using appropriate bolts through the elongated slots on the base.



✓ **Stabiler Standfuß mit Langlöchern zur Befestigung an der Arbeitsplatte.**

*The stable base plate of the drill press, featuring elongated slots for secure workbench mounting.*

3. **Column Assembly:** Mount the column securely onto the base plate according to the provided hardware.
4. **Drilling Table Attachment:** Slide the drilling table assembly onto the column. Adjust its height and secure it with the locking handle.

5. **Head Assembly Mounting:** Carefully place the head assembly onto the top of the column and secure it.
6. **Chuck Installation:** Insert the chuck onto the spindle taper. Use a rubber mallet to gently tap it into place, ensuring a firm fit.
7. **Chip Guard:** Attach the transparent chip protection guard around the chuck area.

## 4. OPERATING INSTRUCTIONS

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Understand how to properly operate your pillar drill for optimal performance and safety.

### 4.1 Selecting Drill Bits

Choose the appropriate drill bit for the material and desired hole size. The chuck accommodates bits from 3 mm to 16 mm. Ensure the drill bit is sharp and free from damage.

### 4.2 Installing Drill Bits

1. Ensure the drill is unplugged.
2. Open the chuck jaws using the chuck key.
3. Insert the drill bit into the chuck, ensuring it is centered and seated firmly.
4. Tighten the chuck jaws securely with the chuck key. Remove the chuck key immediately after tightening.

### 4.3 Adjusting Speed

The drill features 12 speed settings, adjustable via a belt drive system. Select the speed appropriate for your material and drill bit size. Lower speeds are generally for larger bits and harder materials, while higher speeds are for smaller bits and softer materials.





✓ **Präzise Einstellungen dank der 12-fach verstellbaren Drehzahlregulierung!**

*Detailed view of the 12-level speed adjustment mechanism, allowing precise control for various drilling tasks.*



✓ **Der starke 600 Watt Motor sorgt für exakte Bohrungen und einen ruhigen Lauf.**

*The internal belt drive system, responsible for transmitting power from the motor and enabling speed changes.*

#### **4.4 Adjusting Drilling Table**

The drilling table can be adjusted in height and tilted up to +/- 45 degrees. Loosen the locking handle, position the table as required, and then securely tighten the handle.





## ✓ Flexibel, verstellbarer Bohrtisch in der Höhe und um +/- 45° Winkel!

*The pillar drill in use, demonstrating the adjustable drilling table set at an angle for precise material positioning.*

### 4.5 Setting Drilling Depth

Use the depth stop mechanism to set the desired drilling depth. This ensures consistent hole depths for repetitive tasks.

### 4.6 Drilling Procedure

1. Secure the workpiece firmly to the drilling table using clamps or a vise. Never hold the workpiece by hand.
2. Adjust the table height and angle, and set the drilling depth.
3. Select the appropriate speed.
4. Turn on the drill using the On/Off switch.
5. Slowly lower the drill bit into the workpiece using the feed handles, applying steady, even pressure.
6. Once the desired depth is reached, retract the drill bit from the workpiece.
7. Turn off the drill.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your pillar drill.

- **Cleaning:** After each use, clean the drill of dust and chips. Use a brush or compressed air. Do not use solvents that may damage plastic parts.
- **Lubrication:** Periodically lubricate moving parts such as the column, spindle, and depth stop mechanism with light machine oil.
- **Belt Tension:** Check the tension of the drive belt regularly. Adjust if necessary to prevent slippage and ensure proper power transmission. Refer to the belt diagram inside the motor housing cover.
- **Chuck Maintenance:** Keep the chuck jaws clean and free of debris. If the chuck becomes stiff, clean and lightly lubricate it.
- **Electrical Cord:** Inspect the power cord for any damage. Replace if frayed or cut.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your pillar drill.

Problem	Possible Cause	Solution
Drill does not start	No power supply; Faulty switch; Motor issue	Check power connection and circuit breaker; Inspect switch for damage; Consult qualified service personnel.
Excessive vibration	Loose mounting; Unbalanced drill bit; Worn bearings	Tighten mounting bolts; Replace or re-center drill bit; Consult service personnel for bearing replacement.
Drill bit slips in chuck	Chuck not tightened sufficiently; Oily chuck jaws; Damaged chuck jaws	Tighten chuck firmly with key; Clean chuck jaws; Replace chuck if damaged.
Motor overheats	Overloading; Insufficient ventilation; Prolonged use	Reduce load; Ensure clear ventilation; Allow motor to cool down.
Inaccurate drilling	Loose workpiece; Worn drill bit; Misaligned table	Secure workpiece firmly; Replace drill bit; Check and adjust table alignment.

## 7. SPECIFICATIONS

Technical data for the Hecht Professional Pillar Drill.

Feature	Specification
Manufacturer	Hecht
Item Model Number	Standbohrmaschine Hecht
Power Source	Corded Electric
Voltage	230 Volts



Feature	Specification
Max Power	600 Watt
Max Rotational Speed	2700 RPM
Number of Speeds	12
Max Chuck Size	16 mm
Material	Metal
Color	Red Pillar Drill
Package Dimensions	71 x 45 x 27 cm
Weight	23 kilograms (approx.)
Usage Environment	Indoor
Reference Number	8595614925655




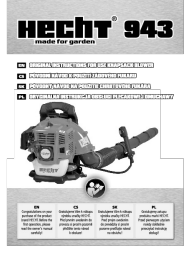
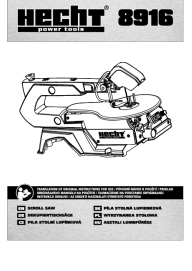



*An illustrative image highlighting key features: a 600 Watt motor, 12 speed settings, and a stable base measuring 34.3 x 21.3 cm.*

## 8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact the retailer. For technical support or spare parts inquiries, please contact Hecht customer service or your authorized dealer.

Please have your model number (Standbohrmaschine Hecht) and reference number (8595614925655) available when contacting support.

	<p><a href="#">HECHT 746 R/747 R Motor Cultivator User Manual</a></p> <p>This manual provides comprehensive instructions for the HECHT 746 R and 747 R motor cultivators, covering safety, operation, maintenance, and troubleshooting. It includes detailed specifications, safety symbols, and an illustrated guide to the machine's parts.</p>
	<p><a href="#">HECHT HC 22 Hydraulic Oil - Safety Data Sheet &amp; Technical Information</a></p> <p>Comprehensive safety data sheet and technical information for HECHT HC 22 hydraulic oil, including handling, storage, safety precautions, and properties. Learn about its composition and intended uses.</p>
	<p><a href="#">Hecht 6642 Petrol Shredder User Manual</a></p> <p>Comprehensive user manual for the Hecht 6642 petrol shredder, covering safety, installation, operation, maintenance, storage, and troubleshooting. Includes illustrated guides and technical specifications.</p>
	<p><a href="#">HECHT 943 Petrol Leaf Blower User Manual</a></p> <p>User manual for the HECHT 943 petrol leaf blower, providing essential information on safety, operation, maintenance, and troubleshooting. Includes specified conditions of use and storage guidelines.</p>
	<p><a href="#">HECHT 8916 Scroll Saw: User Manual and Safety Instructions</a></p> <p>Comprehensive user manual and safety instructions for the HECHT 8916 Scroll Saw, covering operation, maintenance, specifications, troubleshooting, and warranty information.</p>
	<p><a href="#">HECHT 746 Petrol Tiller - User Manual and Technical Specifications</a></p> <p>Comprehensive user manual and technical specifications for the HECHT 746 petrol tiller. Includes safety instructions, operating guide, maintenance, and parts list in multiple languages.</p>