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DEWALT D25481K-QS

DEWALT D25481K-QS Hammer Drill User Manual

Model: D25481K-QS

1. Important Safety Instructions

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

1.1 General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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. Power tools create sparks which may ignite the dust or fumes. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury. Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

1.2 Specific Hammer Drill Safety Warnings

- Wear ear protectors when impact drilling. Exposure to noise can cause hearing loss.
- Use auxiliary handles supplied with the tool. Loss of control can result in personal injury.
- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Always wear a dust mask when drilling. Dust from drilling operations can be harmful.

2. Product Overview



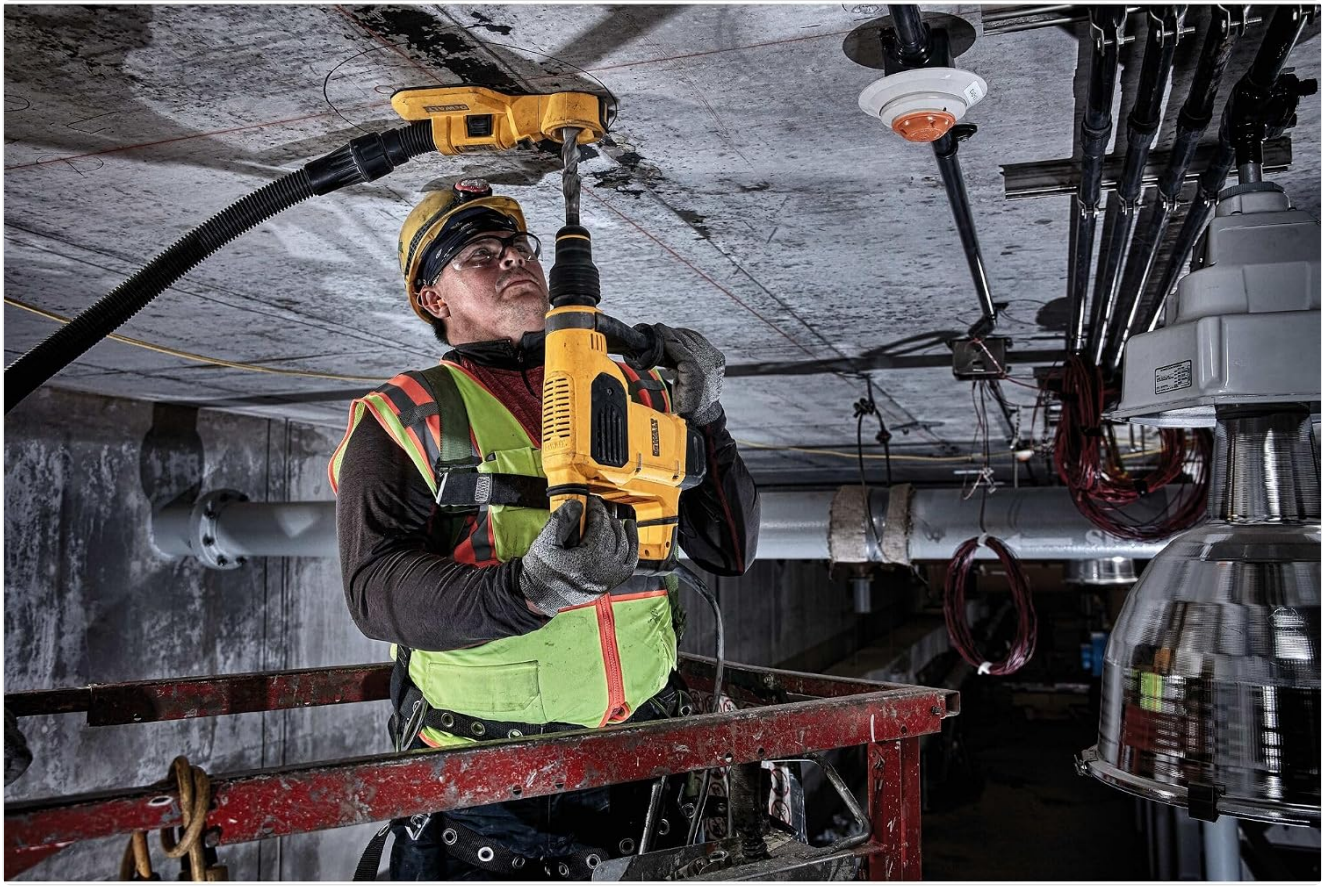
The DEWALT D25481K-QS SDS-MAX hammer drill, accompanied by its durable TSTAK carrying case, designed for secure transport and storage.



A detailed view of the DEWALT D25481K-QS hammer drill, highlighting its ergonomic design and auxiliary handle.



The DEWALT D25481K-QS hammer drill securely stored within its TSTAK case, demonstrating its compact and organized transport solution.



An operator utilizing the DEWALT D25481K-QS hammer drill for overhead concrete drilling, showcasing its application in demanding construction environments.

The DEWALT D25481K-QS is a powerful SDS-MAX hammer drill designed for heavy-duty drilling and chiseling applications in masonry and concrete. It features a robust motor and an ergonomic design for comfortable and controlled operation.

3. Setup

3.1 Unpacking

Carefully remove the hammer drill and all accessories from the packaging. Inspect the tool for any damage that may have occurred during shipping. Do not discard the packaging until you have confirmed all components are present and the tool is in good condition.

3.2 Attaching the Auxiliary Handle

1. Loosen the auxiliary handle by rotating it counter-clockwise.
2. Slide the handle onto the front of the tool body.
3. Adjust the handle to a comfortable and secure position for your application.
4. Tighten the handle by rotating it clockwise until it is firmly secured.

3.3 Inserting and Removing SDS-MAX Bits

1. **Inserting:** Clean the shank of the drill bit. Pull back the chuck collar and insert the bit into the chuck until it clicks into place. Release the collar. Pull on the bit to ensure it is securely locked. The bit should have a slight axial play, which is normal for SDS-MAX systems.
2. **Removing:** Pull back the chuck collar firmly and hold it. The bit will release and can be pulled out.

4. Operating Instructions

4.1 Powering On/Off

- To turn the tool **ON**, depress the trigger switch.
- To turn the tool **OFF**, release the trigger switch.

4.2 Mode Selection

The D25481K-QS offers multiple operating modes. Select the appropriate mode using the mode selector switch located on the side of the tool.

- **Rotary Drilling (Drill Icon):** For drilling in wood, metal, and plastics. Percussion is disengaged.
- **Hammer Drilling (Hammer and Drill Bit Icon):** For drilling in concrete, brick, and masonry. Both rotation and percussion are active.
- **Chiseling (Chisel Icon):** For light demolition, chipping, and chiseling applications. Rotation is disengaged, only percussion is active.

4.3 Depth Stop Adjustment

The adjustable depth stop allows for precise control over drilling depth.

1. Loosen the depth stop clamp.
2. Insert the depth stop rod into its designated hole.
3. Adjust the rod to the desired drilling depth.
4. Tighten the clamp to secure the depth stop.

5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool. Always disconnect the tool from the power source before performing any maintenance.

5.1 Cleaning

- Keep the ventilation slots clean to prevent overheating.
- Regularly clean the tool housing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Clean the SDS-MAX chuck regularly to remove dust and debris, which can affect bit insertion and removal.

5.2 Lubrication

The internal components of this tool are factory lubricated and sealed. No additional lubrication is required by the user. If the tool requires internal servicing, contact an authorized service center.

5.3 Storage

Store the tool in its original TSTAK case in a dry, secure location, out of reach of children and unauthorized users. Protect the tool from direct sunlight and extreme temperatures.

6. Troubleshooting

This section provides solutions to common issues you might encounter with your DEWALT D25481K-QS hammer drill.

Problem	Possible Cause	Solution
Tool does not start	No power supply Damaged power cord/plug Internal fault	Check power outlet and circuit breaker Inspect cord for damage; replace if necessary Contact authorized service center
Reduced drilling performance	Worn drill bit Incorrect mode selection Overheating	Replace with a sharp, appropriate drill bit Ensure correct mode (Hammer Drilling) is selected Allow tool to cool down; ensure ventilation slots are clear
Excessive vibration	Loose auxiliary handle Damaged drill bit Internal component wear	Tighten auxiliary handle Replace drill bit Contact authorized service center

7. Technical Specifications

Specification	Value
Model Number	D25481K-QS
Power Input	1050 Watts
Voltage	230 Volts
Impact Energy	6.1 Joules
No Load Speed	540 RPM
Max Drilling Capacity (Concrete)	40 mm
Max Drilling Capacity (Core Bit)	100 mm
Weight	5.9 kg
Sound Level	107 dB
Material	Metal, Plastic
Color	Yellow/Black

8. Warranty and Support

DEWALT power tools are engineered to the highest standards and are subject to rigorous testing. In the unlikely event that your DEWALT tool requires service or repair, please contact your local authorized DEWALT service center. Keep your proof of purchase for warranty claims.

For detailed warranty information and to locate a service center, please visit the official DEWALT website or refer to the warranty card included with your product.

Note on Videos: No relevant official product videos from the seller were available for embedding based on the provided data.

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