Makita D-00882-25

Makita D-00882-25 Standard SDS Bit Instruction Manual

Model: D-00882-25

Introduction

The Makita D-00882-25 SDS-PLUS drill bits are engineered for professional use with rotary hammers, specifically designed for drilling precise holes in a variety of masonry materials, including concrete. This 25-pack provides a convenient supply of durable and efficient bits for demanding applications. Each bit features an impact-grade carbide tip for superior penetration and a reinforced ground flute for effective dust removal, contributing to reduced vibration and noise during operation.

Product Overview

- **Application:** Designed for drilling holes in concrete and various masonry materials.
- **Performance:** Central guiding action ensures accurate hole placement.
- **Efficiency:** Engineered to minimize vibration and noise during use.
- **Durability:** Features special impact-grade carbide for extended bit life.
- **Shank Type:** SDS-PLUS shank for compatibility with appropriate rotary hammers.
- **Quantity:** Convenient contractor pack containing 25 bits.



A close-up view of the Makita D-00882-25 SDS-PLUS drill bit, showcasing its carbide tip, spiral flute design for efficient dust removal, and SDS-PLUS shank.

Setup

Proper setup of the SDS-PLUS bit in your rotary hammer is crucial for safety and optimal performance. Always ensure the tool is unplugged or the battery is removed before installing or removing bits.

Installation Steps:

1. **Safety First:** Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
2. **Clean Shank:** Ensure the SDS-PLUS shank of the drill bit is clean and free of debris or grease.
3. **Insert Bit:** Push the SDS-PLUS bit firmly into the chuck of your rotary hammer. You should feel a slight resistance as the locking balls engage.
4. **Verify Lock:** Pull on the bit to ensure it is securely locked in place. The SDS-PLUS system allows for slight axial movement (play) once installed; this is normal and necessary for the hammer action.
5. **Select Mode:** Set your rotary hammer to the appropriate mode (e.g., hammer drilling for concrete, rotation only for wood/metal if using an adapter).

Operating Instructions

Using the Makita SDS-PLUS bit effectively requires proper technique and awareness of the material being drilled.

Drilling Tips:

- **Marking:** Clearly mark the drilling location and desired depth.
- **Starting the Hole:** Begin drilling at a slow speed to prevent the bit from wandering, then increase speed once the bit has engaged the material.
- **Consistent Pressure:** Apply steady, firm pressure directly in line with the drill bit. Avoid excessive force, as the hammer action of the tool does most of the work.
- **Dust Removal:** The spiral flute design aids in efficient dust removal. For deeper holes, periodically withdraw the bit slightly to clear debris and prevent binding.

- **Rebar Encounter:** Makita's Thruster style carbide tip is designed to penetrate on contact and can plow through rebar. Maintain steady pressure if rebar is encountered.
- **Cooling:** For prolonged drilling, allow the bit to cool periodically to extend its lifespan.

Maintenance

Proper maintenance ensures the longevity and performance of your Makita SDS-PLUS drill bits.

Care and Storage:

- **Cleaning:** After each use, wipe down the bit to remove dust and debris. A wire brush can be used for stubborn residue on the flutes.
- **Lubrication:** Lightly grease the SDS-PLUS shank periodically to ensure smooth insertion and removal from the chuck and to reduce wear.
- **Inspection:** Regularly inspect the carbide tip for chips, cracks, or excessive wear. Also check the shank for any signs of damage. Replace worn or damaged bits immediately.
- **Storage:** Store bits in a dry environment to prevent rust. The original contractor pack or a dedicated bit case is ideal for protection and organization.

Troubleshooting

This section addresses common issues you might encounter while using your SDS-PLUS drill bits.

Problem	Possible Cause	Solution
Bit not drilling effectively or slowly.	Worn or dull carbide tip; insufficient pressure; incorrect tool setting.	Replace bit; apply consistent, firm pressure; ensure rotary hammer is in hammer drilling mode.
Bit getting stuck in the hole.	Accumulation of dust; hitting rebar at an awkward angle; bit overheating.	Periodically withdraw bit to clear dust; apply steady pressure when hitting rebar; allow bit to cool.
Excessive vibration or noise.	Worn bit; improper bit installation; tool malfunction.	Inspect and replace bit if worn; ensure bit is securely locked in chuck; consult tool manual if issue persists.
Bit shank shows excessive wear.	Lack of lubrication; dirty chuck; worn chuck.	Lubricate shank regularly; clean chuck; inspect chuck for wear and replace if necessary.

Specifications

Key technical specifications for the Makita D-00882-25 SDS-PLUS bits:

Specification	Value
Product Type	Carbide Drill Bits

Specification	Value
Shank Type	SDS-PLUS
Application	Masonry, Concrete
Diameter	1/4 inch
Usable Length	6 inches
Overall Length	8-1/4 inches
Package Quantity	25 bits
Material	Carbide
Cutting Angle String	135 Degrees
Tool Flute Type	Spiral
Item Weight	8 ounces (for the pack)
Country of Origin	China

Warranty and Support

Makita products are manufactured to high standards and undergo rigorous quality control. For specific warranty information regarding your D-00882-25 SDS-PLUS bits, please refer to the warranty documentation included with your purchase or visit the official Makita website. In case of questions, technical assistance, or to locate an authorized service center, please contact Makita customer support through their official channels.
For the most up-to-date information and support resources, please visit the official Makita website: www.makitatools.com