

Norton 70184613222

Norton Clipper Classic CB Concrete Core Drill Bit 200/201mm Instruction Manual

Model: 70184613222

1. PRODUCT OVERVIEW

The Norton Clipper Classic CB Concrete Core Drill Bit is designed for efficient and precise wet drilling in various hard materials. This robust tool is suitable for use with concrete, steel-reinforced concrete, and masonry. Its construction ensures durability and performance for professional applications.

This core drill bit is specifically engineered for wet drilling operations, which helps to cool the bit, reduce dust, and extend the tool's lifespan. Always ensure proper water supply during operation.



Image of the Norton Clipper Classic CB Concrete Core Drill Bit, showing its cylindrical shape and diamond segments.

2. SAFETY INFORMATION

Always adhere to general safety regulations and accident prevention guidelines when operating power tools and accessories. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and

appropriate work gloves. A dust mask is recommended when drilling in dusty environments.

- **Secure Workpiece:** Ensure the material being drilled is securely clamped or stabilized to prevent movement during operation.
- **Check for Hidden Utilities:** Before drilling, verify the absence of electrical cables, water pipes, or gas lines in the drilling area. Use a detector if necessary.
- **Use Proper Equipment:** Only use this core drill bit with a suitable core drilling machine that has the correct chuck and power rating.
- **Wet Drilling Only:** This drill bit is designed for wet drilling. Ensure a continuous and adequate water supply during operation to prevent overheating and damage to the bit and workpiece.
- **Inspect Before Use:** Before each use, inspect the drill bit for any signs of damage, cracks, or excessive wear. Do not use a damaged bit.
- **Maintain Good Posture:** Keep a firm grip on the drilling machine and maintain a balanced stance to control torque reactions.
- **Disconnect Power:** Always disconnect the drilling machine from the power supply before changing accessories, performing maintenance, or when not in use.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package.

- 1 x Norton Clipper Classic CB Concrete Core Drill Bit (Model: 70184613222)

4. SPECIFICATIONS

Manufacturer	Norton Clipper
Model Number	70184613222
Item Weight	8.38 kilograms
Quantity	1
Diameter	200 mm or 201 mm (as per product title)
Thread Length	450 mm
Connection	1 1/4"
Segments	20 to 24 mm
Shank Type	Straight
Surface Recommendation	Concrete, Steel-reinforced Concrete, Masonry

5. SETUP

1. **Prepare Drilling Machine:** Ensure your core drilling machine is clean, in good working order, and compatible with a 1 1/4" connection.
2. **Attach Drill Bit:** Carefully screw the Norton Clipper Classic CB Core Drill Bit onto the spindle of your core drilling machine. Ensure it is tightened securely by hand, then use a wrench if necessary to prevent

loosening during operation.

3. **Connect Water Supply:** For wet drilling, connect a reliable water supply to your drilling machine's water feed system. Ensure there are no leaks and that water can flow freely to the drill bit.
4. **Secure Workpiece:** Position and firmly secure the material you intend to drill. Use clamps, vises, or other appropriate methods to prevent movement.
5. **Initial Checks:** Before starting, perform a quick check to ensure the drill bit is properly aligned, the water supply is ready, and all safety guards are in place.

6. OPERATION

1. **Start Water Flow:** Begin the water flow to the drill bit before starting the drilling machine. This ensures the bit is cooled from the very beginning of the operation.
2. **Start Drilling Machine:** Turn on the core drilling machine. Allow the bit to reach full operating speed before making contact with the workpiece.
3. **Initiate Drilling:** Gently bring the rotating drill bit into contact with the marked drilling point. Apply steady, even pressure. Avoid excessive force, which can lead to overheating, reduced drilling efficiency, and premature wear.
4. **Maintain Water Flow:** Continuously monitor and maintain an adequate water flow throughout the drilling process. Insufficient water will cause the bit to overheat and can damage the diamond segments.
5. **Drilling Technique:** Maintain a consistent drilling speed and pressure. For deep holes, occasionally retract the bit slightly to allow water to flush out debris more effectively.
6. **Complete Drilling:** Once the desired depth is reached or the core is cut, slowly withdraw the drill bit from the hole while maintaining water flow.
7. **Turn Off:** Turn off the drilling machine, then stop the water flow.
8. **Remove Core:** Carefully remove the drilled core from the bit or the workpiece.

7. MAINTENANCE

- **Cleaning:** After each use, thoroughly clean the core drill bit to remove all concrete slurry and debris. Use water and a brush. Ensure all water channels are clear.
- **Inspection:** Regularly inspect the diamond segments for signs of wear, chipping, or damage. Check the steel barrel for cracks or deformation.
- **Storage:** Store the drill bit in a dry place to prevent rust. Protect the diamond segments from impact.
- **Sharpening/Re-tipping:** If the diamond segments become dull, the bit may require re-sharpening or re-tipping by a qualified professional.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Slow drilling or no cutting	Dull diamond segments; Insufficient pressure; Incorrect RPM; Lack of water.	Increase pressure slightly; Check RPM settings; Ensure adequate water flow; Consider re-sharpening or replacing the bit.

Bit overheating	Insufficient water flow; Excessive pressure; Drilling too fast.	Increase water flow; Reduce pressure; Reduce drilling speed.
Bit getting stuck in hole	Core jamming; Insufficient water for flushing debris; Bit wobble.	Ensure continuous water flow to flush debris; Check for proper bit attachment and machine stability; Carefully try to free the bit by rotating it slightly.
Excessive vibration	Loose bit attachment; Damaged bit; Unstable drilling machine or workpiece.	Tighten bit securely; Inspect bit for damage and replace if necessary; Secure drilling machine and workpiece.

9. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided with your purchase or contact Norton Clipper directly. Information regarding the availability of spare parts for this specific model is currently unavailable.

If you encounter issues that cannot be resolved using the troubleshooting guide, or for further technical assistance, please contact Norton Clipper customer support or your authorized dealer.