Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Bosch HCBG700

BOSCH HCBG700 7-Piece Blue Granite Hammer Drill Masonry Bit Set Instruction Manual

Model: HCBG700

1. Product Overview

The BOSCH HCBG700 7-Piece Blue Granite Hammer Drill Masonry Bit Set is designed for efficient and precise drilling in various masonry materials. This set includes seven commonly used hammer drill bits, engineered for durability and performance in concrete, stone, and masonry applications.
Key features include:

- Includes 7 commonly used hammer drill bits.
- Ideal for use with concrete, stone, and masonry.
- Part of Bosch's Blue Granite series, known for robust performance.
- High-temperature brazing prevents the carbide-cutting edge from breaking out, even under intense heat during deep drilling.
- Softened shanks provide ANSI-compliant aggressive gripping power, ensuring secure fit in the drill chuck.



Image 1.1: The Bosch HCBG700 7-Piece Blue Granite Hammer Drill Masonry Bit Set, presented in its durable storage case.



Image 1.2: The Bosch HCBG700 drill bit set displayed in its retail packaging, showing the individual bits.



Image 1.3: Visual guide indicating the optimal materials for these drill bits, including masonry, brick, block, and concrete.

2. Safety Information

Always prioritize safety when using power tools and accessories. Failure to follow these safety guidelines may result in serious injury.

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask when operating a hammer drill. Gloves are recommended for grip and protection.
- **Secure Workpiece:** Ensure the material you are drilling into is stable and securely clamped to prevent movement during operation.
- **Inspect Bits:** Before each use, inspect drill bits for any signs of damage, cracks, or excessive wear. Do not use damaged bits.
- **Proper Bit Insertion:** Ensure the drill bit is correctly inserted and securely tightened in the drill chuck according to your drill's instructions.
- **Avoid Overheating:** Allow the drill bit to cool periodically during prolonged use to prevent overheating, which can damage the bit and the material.
- **Maintain Control:** Always maintain a firm grip on the drill and be prepared for torque reactions, especially when the bit binds.
- **Check for Obstructions:** Before drilling, check for hidden electrical wires, plumbing, or other obstructions within the wall or material.
- **Proposition 65 Warning:** This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

3. Setup and Installation

Proper setup ensures optimal performance and safety.

1. **Select the Correct Bit:** Choose the appropriate drill bit size from the HCBG700 set based on the diameter and depth required for your application. Refer to the specifications section for bit sizes.
2. **Prepare Your Drill:** Ensure your hammer drill is unplugged or its battery is removed before changing bits.
3. **Insert the Bit:** Open the chuck of your hammer drill. Insert the straight shank of the chosen Bosch Blue Granite bit fully into the chuck.
4. **Secure the Bit:** Tighten the chuck firmly by hand, then use a chuck key (if applicable to your drill model) to ensure the bit is securely fastened. A loose bit can be dangerous and lead to inaccurate drilling.
5. **Adjust Drill Settings:** Set your hammer drill to the "hammer drill" mode for masonry applications. Adjust the speed setting according to the material and bit size. Lower speeds are generally recommended for larger bits and harder materials.



Image 3.1: Illustrates a Bosch drill bit being used with a hammer drill, demonstrating proper handling and the use of a dust extraction system for a cleaner work environment.

4. Operating Instructions

Follow these steps for effective and safe drilling:

1. **Mark the Drilling Point:** Clearly mark the exact location where you intend to drill.
2. **Start Slowly:** Begin drilling at a slow speed without hammer action to create a pilot indentation. This prevents the bit from wandering.
3. **Engage Hammer Action:** Once an indentation is made, engage the hammer action (if not already) and gradually increase speed while applying steady, firm pressure. Do not force the drill.
4. **Maintain Straight Angle:** Keep the drill bit perpendicular to the surface to ensure a straight hole and prevent bit breakage.
5. **Clear Debris:** Periodically withdraw the bit slightly from the hole to clear dust and debris, especially in deep holes. This helps prevent the bit from binding and reduces heat buildup.
6. **Cooling:** For very hard materials or deep holes, consider using water or a suitable cutting fluid to cool the bit and reduce wear.
7. **Complete the Hole:** Continue drilling until the desired depth is reached. Once complete, withdraw the bit from the hole while the drill is still rotating to clear any remaining debris.

5. Maintenance and Care

Proper maintenance extends the life of your drill bits.

- **Cleaning:** After each use, clean the drill bits to remove dust, debris, and any residue. A wire brush can be effective for removing stubborn material from the flutes.
- **Lubrication/Protection:** Apply a light coat of oil or rust preventative to the bits, especially if they will be stored for an extended period or in humid conditions.
- **Storage:** Store the drill bits in their original case or a suitable bit organizer to protect them from damage and keep

them organized. Store in a dry environment.

- **Inspection:** Regularly inspect bits for wear. While Bosch Blue Granite bits are designed for durability, eventually they will dull. Replace bits when they become excessively worn or damaged to maintain drilling efficiency and safety.

6. Troubleshooting

Common issues and their solutions:

Problem	Possible Cause	Solution
Bit not drilling effectively / Slow progress	Dull bit, incorrect drill mode, insufficient pressure, wrong bit for material.	Replace bit, ensure hammer mode is engaged, apply steady pressure, verify bit is suitable for the material.
Bit overheating	Excessive speed, continuous drilling without breaks, insufficient debris removal.	Reduce speed, take breaks to allow cooling, clear debris from the hole frequently, consider using water for cooling.
Bit breakage	Excessive side pressure, bit binding, hitting rebar/hard inclusions, worn bit.	Maintain straight drilling, clear debris, inspect material for obstructions, replace worn bits.
Bit slipping in chuck	Chuck not tightened sufficiently, oily shank.	Ensure chuck is fully tightened, clean shank of any oil or grease before insertion.

7. Specifications

Detailed specifications for the BOSCH HCBG700 7-Piece Blue Granite Hammer Drill Masonry Bit Set:

- **Model:** HCBG700
- **Brand:** Bosch
- **Set Name:** 7-Piece Set
- **Number of Pieces:** 7
- **Material:** Blend (Carbide-tipped)
- **Finish Type:** Brushed
- **Shank Type:** Straight
- **Cutting Angle:** 135 degrees
- **Tool Flute Type:** Spiral
- **Point Style:** Diamond Point
- **Surface Recommendation:** Stone, Concrete, Masonry
- **Included Components:** BLUE GRANITE TURBO HAMMER DRILL BIT SET 7PC
- **Item Weight:** 13.44 ounces
- **Bit Sizes Included:**
  - One 1/8-inch x 2-inch x 3-inch bit
  - Two 5/32-inch x 3-inch x 6-inch bits
  - Two 3/16-inch x 4-inch x 6-inch bits
  - One 1/4-inch x 4-inch x 6-inch bit
  - One 3/8-inch x 4-inch x 6-inch bit



Image 7.1: Visual representation of the drill bit set's dimensions, indicating a length of 7.5 inches (19 cm).

8. Warranty and Support

For warranty information, product support, or to purchase replacement parts, please contact Bosch customer service or visit their official website.

- **Bosch Official Website:** www.boschtools.com
- **Customer Service:** Refer to the Bosch website for regional contact information and support options.

Please retain your proof of purchase for any warranty claims.

© 2023 Bosch. All rights reserved. Information subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B000VC3O8M

More documents and user manuals: **https://manuals.plus/**