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- Dust Director Division -

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Glitter Bit Installation, Operating Instructions, Dust Controllers

Only for use with *Variable Speed* Die Grinders
IMPORTANT: Do Not Exceed the Glitter Bits Maximum Rpm.

Avoid Grinding Using the Tip of the Glitter Bit
Most Effective Performance & Life - Use the Sides

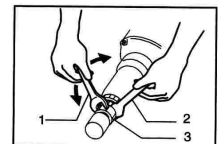


GRINDING with the GLITTER BITS: Position the die grinder & Glitter Bit *parallel* to the brick wall and ease the Glitter Bit's tip into the mortar on a 45° degree angle. Do not use the tip as a drill bit - the diamond crystals will **BURN-OUT**.

Grind the mortar using a raking motion, grinding with the sides of the Glitter Bit only. Maintain a 30 - 45° angle with the Glitter Bit and the mortar joint throughout the cut-out. Diamond crystals need speed to cut and for life. Installed in a high speed die grinder, the tip of a Glitter Bit is only spinning at 500 RPM. The sides of the Glitter Bit are what cuts. **DO NOT USE** the Glitter Bit as a drill bit, **DO NOT USE** excessive force - let the Glitter Bit do the grinding!

SAVE THESE INSTRUCTIONS. Misuse or failure to follow the rules stated on this page and the included die grinder owners manual may cause serious personal injury.

ASSEMBLY. Loosen the collet nut on the die grinder and insert the Glitter Bit into the collet nut. Use the smaller wrench to hold the spindle and the larger one to tighten the collet nut securely. Be sure the shank of the Glitter Bit is smooth and clean.



CAUTION: Glitter Bits operate at high speeds and an unbalanced shank will cause the Glitter Bit to snap. The shank of the Glitter Bit needs to be fully inserted into the collet of the die grinder but, keep the bottom of the shank from touching inside the chuck. Exceeding this distance or tightening the collect nut onto an uneven shank surface will cause the Glitter Bit to vibrate or snap!

MAXIMUM RPM GLITTER BIT SPEED. Each Glitter Bit is marked with the Maximum RPM to be used. Refer to the table to set the die grinder's correct RPM Speed for the appropriate Glitter Bit. **DO NOT EXCEED THE GLITTER BIT'S MAXIMUM RPM.**

IMPORTANT: Glitter Bits are only for use in variable speed die grinders. The safe RPM range for Glitter Bits is between 10,000 and 20,000 RPM. Non-variable die grinders exceed the maximum RPM speed of Glitter Bits. As Glitter Bits wear they naturally become uneven and cause a die grinder to vibrate, which creates a very unsafe operating condition. With the variable speed feature on the die grinder, you are able to quickly lower the RPM setting for continued safe operation and even longer Glitter Bit life.

Let the Glitter Bit and die grinder do the grinding. Using excess force to push the bit will cause the bit to bend, which will cause the die grinder to vibrate and **WILL CAUSE THE GLITTER BIT TO SNAP!** Periodically check the die grinder's speed dial to ensure that the correct RPM settings are maintained. Maintaining the correct RPM setting prevents excessive tool vibration, keeps the Glitter Bits from bending, snapping and ensures safe operation and longer Glitter Bit life.

DIE GRINDER SPEED DIAL SETTING. Change the die grinder's RPM speed to match the appropriate Glitter Bit size. On the Makita Die Grinder, model GDO800C, the speed adjustment dial is located on the rear of the tool.

SINGLE BRICK CUT-OUT OPERATION - Use the 1/4 x 4-5/8" Glitter Bit. Follow the above instructions and proceed around the brick's perimeter obtaining a 3/4" maximum depth-of-cut - on your first pass. Continue "raking" the bit (holding it at a 30 - 45° angle), moving it in-and-out and back-n-forth along the mortar joint. Repeat this procedure 3 or 4 times around the brick's perimeter. Each time going deeper into the brick's mortar joint until the brick is free. For longer Glitter Bit Life, **DO NOT EXCEED 15,000 RPM's, DO NOT PUSH THE BIT.**



VACUUM THE DUST. When cutting-out individual bricks, a vacuum must be used. Placing the vacuum's hose close to the work surface not only keeps the dust from becoming airborne but, after each pass around the brick's perimeter you need to stop your grinding and just use the vacuum to extract the dust that lays deep inside the brick joint. Removing embedded mortar dust will significantly increase Glitter Bit cutting speed, performance, and life. Otherwise, the bit will not cut - it will just pulverize the existing dust. After the Glitter Bit has cut through the brick's mortar joint, lightly tap on the face of the brick to remove the brick.



GLITTER BIT DUST CONTROLLER (left picture) - Attaches to the neck of the Makita Die Grinder for dust-free grinding and increased Glitter Bit life, performance and cutting-speed. Each Dust Controller secures a 1-1/2" diameter vacuum hose to effectively capture silica dust. The hose is loosely held, enabling it to be moved in-and-out of the dust controller - quickly adjusting for effective dust containment.