



# Industrial Contractors' Supplies, Inc.

- Dust Director Division -

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## Glitter Bit Operating, Installation, Safety / Warning Instructions, Warranty

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

**DO NOT PUSH, TWIST or EXERT BENDING PRESSURE ON A GLITTER BIT**  
Doing so will cause it to snap which may result in serious personal injury.

**Avoid Grinding Using the Tip of the Glitter Bit**  
For Most Effective Performance & Life - Grind with the Sides of the Glitter Bit



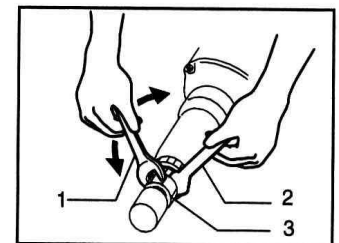
**OPERATING / SAFETY INSTRUCTIONS.** Buyer acknowledges receipt of these Operating & Safety / Warning Instructions for Use of the Product and agrees to strictly comply with such instructions.

**GRINDING with a GLITTER BIT.** Set the speed dial on the Variable Speed (VS) Die Grinder to its lowest speed, typically between 2000 and 7000 RPM depending on the model. All Glitter Bits, worn or new, must be started between at their lowest speed (2000 - 7000 RPM). The speed may then be increase to each Glitter Bit's "Safe, Maximum RPM" (see chart below). As you increase the RPM speed and if you notice or feel the die grinder wobbling or vibrating too severely in your hands, quickly reduce the grinder's RPM speed.

**WARNING:** If the die grinder is vibrating severely it is because the Glitter Bit is out-of-round (you will see the bit wobble by as much as 3/4"). If left to wobble after 2 seconds the Glitter Bit will snap or go L-shape on you. New and worn Glitter Bits can be out-of-round, thus ALL Glitter Bits MUST BE started at 7000 RPM or less. While using the Glitter Bit, if the die grinder begins to wobble (you'll feel the vibrations in your hands), this is the indication that the Glitter Bit is out-of-round. By using the variable speed dial on the die grinder, simply lower the RPM speed to eliminate the vibration, ensure longer bit life and increase operator and bystander safety.

**GRINDING with a GLITTER BIT (continued).** Properly installed in the die grinder (reference the die grinder's manual), align or position the Glitter Bit *parallel* to the brick wall. Ease the Glitter Bit's tip into the mortar on a 30 - 45° degree angle, do not use the tip of the Glitter Bit as a Drill Bit - the diamond crystals will Burn-Out. Being to grind the mortar with the Glitter Bit using a slow raking motion, trying only to grind with the sides of the Glitter Bit. Maintain a 30 - 45° angle with the Glitter Bit to the mortar joint throughout the grind. The diamond crystals on the Glitter Bit need speed to cut the mortar and for life. Installed in a variable speed die grinder the tip of a Glitter Bit is only spinning at 500 RPM. It is the sides of the Glitter Bit that cut the mortar - Do Not Use the Glitter Bit as a Drill Bit. **DO NOT USE APPLY EXCESS FORCE or PUT PRESSURE or TWIST the GLITTER BIT - let the Glitter Bit and die grinder do the grinding!** EXCESS OPERATOR FORCE APPLIED to a GLITTER BIT it cause it to SNAP and SERIOUS PERSONAL INJURY may occur to both the operator and/or any bystanders.

**ASSEMBLY - INSTALLATION** of a GLITTER BIT into the Die Grinder. Be sure the shank of the Glitter Bit is smooth and clean. 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 (see picture, right). **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. **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 (right) to set the die grinder's correct RPM Speed for the appropriate Glitter Bit. **DO NOT EXCEED THE GLITTER BIT'S MAXIMUM RPM.**

**IMPORTANT / WARNING:** Glitter Bits are only for use in variable speed die grinders. The safe RPM range for Glitter Bits is between 7,000 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.

| SAFE MAXIMUM RPM GLITTER BIT SPEED |                               |   |                 |
|------------------------------------|-------------------------------|---|-----------------|
| Glitter Bit Sizes                  | Glitter Bit Safe, Maximum RPM | Makita GDO800C Die Grinder Variable Speed Tool Speeds |                 |
|                                    |                               | Number  | RPM             |
| 1/8 x 3"                           | 20,000                        | 1 - 2   | 7,000 - 10,000  |
| 1/4 x 3-1/2"                       | 20,000                        | 2 - 3   | 10,000 - 17,000 |
| 1/4 x 4-5/8"                       | 10,000                        | 3 - 4   | 17,000 - 24,000 |

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, reducing the RPM's on the die grinder also prevents Glitter Bits from bending, snapping and ensures safe operation and longer Glitter Bit life. **DO NOT PUSH on a Glitter Bit IT WILL SNAP.**

**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. **Always Start a Glitter Bit at 7000 Rpm or Slower, this Includes New and Used Glitter Bits.**

**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 & Safety, DO NOT EXCEED 10,000 RPM's with the 4-5/8" Glitter Bit , DO NOT PUSH, TWIST or EXERT BENDING PRESSURE ON THE GLITTER BIT. Doing so will cause it to snap which may result in serious personal injury.**



**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.

**LIMITED WARRANTY / LIABILITY.** Distributed by Industrial Contractors Supplies. **Made In USA.** Seller warrants it has title to the product delivered and may properly sell the same to Buyer and that such Product will conform for use as intended and as described more fully in these attached Operating and Safety Instructions and Warnings for use of the Product. **SELLER MAKES NO OTHER WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR ITS MERCHANTABILITY, FITNESS THEREOF FOR ANY PURPOSE, OR ITS NON-INFRINGEMENTS.** Seller shall not be liable for special, indirect, consequential or punitive damages of any kind under this Agreement or otherwise, whether or not caused by its negligence, and assumes no risk whatsoever as to the result of the use of Product either singly or in combination with other material. Buyer represents that it is familiar with the characteristics of Product and assumes all responsibility and liability for and will indemnify and hold Seller harmless from any and all loss or injury to persons or property arising out of handling, use or possession of Product delivered to it. **IN THE EVENT THAT THIS DISCLAIMER OF LIABILITY IS HELD BY A COURT OF COMPETENT JURISDICTION NOT TO APPLY TO BUYER, SELLER'S MAXIMUM LIABILITY TO BUYER ON ANY CLAIM IN ANY WAY CONNECTED WITH THE SALE OR USE OF ANY OF THE PRODUCTS, WHETHER LIABILITY ARISES IN CONTRACT, FROM BREACH OF WARRANTY, IN TORT OR OTHERWISE, SHALL BE LIMITED TO THE PRODUCT'S INVOICE PRICE.**

**CLAIMS.** Any claims by Buyer must be received by Seller in writing within 20 days of the date of delivery or non-delivery. Failure to deliver notice of claim to Seller within such 20 day period will constitute a waiver Buyer of all claims in respect of such delivery or non-delivery.

**PRODUCT USE.** Buyer is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of application. **MATERIAL SUITABLE FOR GRINDING.** The product is designed to grind concrete, granite, marble, ceramic tile or any other masonry-like product.

### IMPORTANT SAFETY NOTES

**FINGERS and HANDS MUST BE KEPT AWAY from the Glitter Bit.** STAY ALERT, WATCH WHAT YOU ARE DOING, USE COMMON SENSE WHEN OPERATING THE GLITTER BIT. **A moment of inattention while operating the Dust Director may result in serious personal injury. DO NOT TOUCH THE GLITTER BIT** while the BIT is moving. **IMPORTANT: ALWAYS WEAR EYE AND HAND PROTECTION WHEN USING THE GLITTER BIT.**

**CAUTION:** Before any use, be sure everyone using the Glitter Bit reads and understands all the Operating and Safety instructions and all other information contained in this manual. **SAVE THESE INSTRUCTIONS AND REVIEW PRIOR TO EACH USE AND IN INSTRUCTING OTHERS.** Do not attempt to install, start or operate the Glitter Bit until all the instructions have been read and understood by the operator. Failure to do so could result in personal injury and/or property damage. No one should attempt to operate the Glitter Bit without being trained in the operation of using a die grinder. These instructions are not intended as a substitute for training and experience. Before using the GLITTER BIT you need to be thoroughly familiar with using a Glitter Bit, safety regulations, and the use of a portable variable speed die grinder.

### There Is a Risk Assumed by Individuals Who Use the GLITTER BIT. To Minimize Risk You must Follow These Rules:

1. **INSPECT EQUIPMENT DAILY.** Tighten all loose connections and replace worn parts immediately. Failure to do so may result in injury.
2. When using the Glitter Bit exercise care to avoid injury. Perform your "grinding" at a smooth, moderate pace: never perform jerky or uncoordinated movements that may cause injury.
3. **KEEP HANDS, FINGERS AND ALL BODY PARTS AWAY FROM THE CUTTING "EDGES" OF THE BIT. DO NOT TOUCH THE GLITTER BIT** while the GLITTER BIT IS MOVING. The spinning bit is extremely dangerous. It is your responsibility to observe all safeguards when using the Glitter Bit. A moment of inattention while operating the Glitter Bit may result in serious personal injury.
4. **WORK GLOVES REQUIRED.** Hands become sweaty, work gloves help prevent your hands from accidental slippage into a spinning blade.
5. **RESET THE DIE GRINDER'S RPM TO 7000 RPM ON NEW OR USED GLITTER BITS - EVERY TIME TO TURN-ON THE DIE GRINDER. YOU MAY INCREASE THE RPMS UNTIL YOU NOTICE THE DIE GRINDER BEGINNING TO WOBBLE BUT NEVER FASTER THAT THE SAFE & MAXIMUM RPM SPEED OF EACH GLITTER BIT** (see chart, 1<sup>st</sup> page).
6. If unsure of the proper use of the Glitter Bit, call your local Glitter Bit distributor or **Industrial Contractors Supplies, Inc.**

### THE OPERATOR MUST OBSERVE SAFEGUARDS THAT INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- \* BEFORE CUTTING, always inspect areas for wires, cords, glass or other foreign objects which could come in contact with the blade.
  - \* KEEP CHILDREN AWAY. All visitors should be kept at a safe distance from work area.
  - \* Never use the Glitter Bit that exceed the bit's maximum RPM rating (see chart on page 1)
  - \* Never service the Glitter Bit or change the bit without first disconnecting the electrical power to the die grinder.
  - \* Always inspect the installed bit for damage before use. Ensure that the Glitter Bits is fitted onto the die grinder properly and securely before each use.
- Caution: The Glitter Bit may break: **ALWAYS WEAR SAFETY GLASSES, FULL-FACE SHIELDS, SAFETY SHOES, WORK GLOVES WITH A 12" CUFF, HEARING PROTECTION.** Be sure the bit is correctly mounted and turns without wobbling - Never cut material for which the Glitter Bit is not designed.