



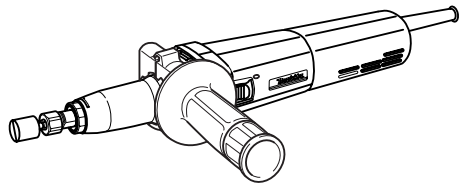
# Die Grinder

1/4"

MODEL GD0800C

1/4"

MODEL GD0810C



003486



## INSTRUCTION MANUAL

**⚠ WARNING:**

For your personal safety, READ and UNDERSTAND before using.  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

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# SPECIFICATIONS

Model	GD0800C	GD0810C
Collet size	1/4"	1/4"
Max. wheel point diameter	25 mm (1")	50 mm (2")
No load speed (RPM)	7,000 - 28,000/min.	1,800 - 7,000/min.
Overall length	371 mm (14 - 5/8")	371 mm (14 - 5/8")
Net weight	1.6 kg (3.5 lbs)	1.7 kg (3.7 lbs)

- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

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# GENERAL SAFETY RULES

USA002-2

(For All Tools)

## **⚠ WARNING:**

**Read and understand all instructions.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.


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# SAVE THESE INSTRUCTIONS

## Work Area

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

## Electrical Safety

4. **Double insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.

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5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
  6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
  7. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
  8. **When operating a power tool outside, use an outdoor extension cord marked “W-A” or “W”.** These cords are rated for outdoor use and reduce the risk of electric shock.

### **Personal Safety**

9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
11. **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
12. **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
13. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

14. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Ordinary eye or sun glasses are NOT eye protection.

### **Tool Use and Care**

15. **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
16. **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
17. **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
18. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
19. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
20. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
21. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
22. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

## SERVICE

**23. Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

**24. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

**USE PROPER EXTENSION CORD:** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

**Table 1: Minimum gage for cord**

Ampere Rating		Volts	Total length of cord in feet			
		120 V	25 ft.	50 ft.	100 ft.	150 ft.
More Than	Not More Than	AWG				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

## SPECIFIC SAFETY RULES

USB006-2

**DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to grinder safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.**

- Accessories must be rated for at least the speed recommended on the tool warning label.** Wheels and other accessories running over rated speed can fly apart and cause injury.
- Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
- Always use safety glasses or goggles.** Ordinary eye or sun glasses are **NOT** safety glasses.
- Check the wheel carefully for cracks or damage before operation.** Replace cracked or damaged wheel immediately. Run the tool at no load for about a minute, holding tool away from others. If wheel is flawed, it will likely separate during this test.
- Hold the tool firmly.**

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6. Keep hands away from rotating parts.
  7. Make sure the wheel is not contacting the workpiece before the switch is turned on.
  8. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced wheel.
  9. Watch out for flying sparks. Hold the tool so that sparks fly away from you and other persons or flammable materials.
  10. Do not leave the tool running. Operate the tool only when hand-held.
  11. Do not touch the workpiece immediately after operation; it may be extremely hot and could burn your skin.
  12. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
  13. Do not use water or grinding lubricant.
  14. Do not use this tool as cutter.
  15. ALWAYS wear proper apparel including long sleeve shirts, leather gloves and shop aprons to protect skin from contact with hot grindings.
  16. Use of this tool to grind or sand some products, paints and wood could expose user to dust containing hazardous substances. Use appropriate respiratory protection.
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## SAVE THESE INSTRUCTIONS



**⚠ WARNING:**  
**MISUSE** or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

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## SYMBOLS

USD201-2

The followings show the symbols used for tool.

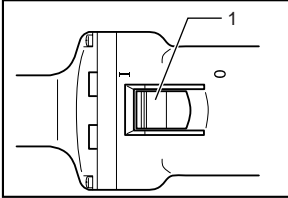
- |  |                     |   |   |
|--|---------------------|---|---|
| V .....  | volts               | $n_0$ .....   | no load speed                           |
| A .....  | amperes             |  ..... | Class II Construction                   |
| Hz .....   | hertz               | .../min.....  | revolutions or reciprocation per minute |
|  ..... | alternating current |   |   |

# FUNCTIONAL DESCRIPTION

## ⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

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1. Slide switch

## Switch action

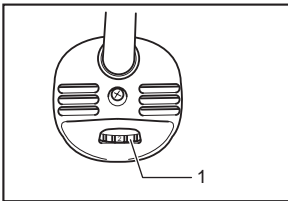
## ⚠ CAUTION:

- Before plugging in the tool, always check to see that the slide switch actuates properly and returns to the “OFF” position when the rear of the slide switch is depressed.
- Switch can be locked in “ON” position for ease of operator comfort during extended use. Apply caution when locking tool in “ON” position and maintain firm grasp on tool.

To start the tool, slide the slide switch toward the “I (ON)” position. For continuous operation, press the front of the slide switch to lock it.

To stop the tool, press the rear of the slide switch, then slide it toward the “O (OFF)” position.

001046



1. Speed adjusting dial

## Speed adjusting dial

The tool speed can be changed by turning the speed adjusting dial to a given number setting from 1 to 5.

Higher speed is obtained when the dial is turned in the direction of number 5. And lower speed is obtained when it is turned in the direction of number 1.

Refer to the table for the relationship between the number settings on the dial and the approximate tool speed.

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	GD0800C	GD0810C
Number	RPM	RPM
1 - 2	7,000 - 10,000	1,800 - 2,400
2 - 3	10,000 - 17,000	2,400 - 4,100
3 - 4	17,000 - 24,000	4,100 - 5,800
4 - 5	24,000 - 28,000	5,800 - 7,000

## ⚠ CAUTION:

- If the tool is operated continuously at low speeds for a long time, the motor will get overloaded, resulting in tool malfunction.

- The speed adjusting dial can be turned only as far as 5 and back to 1. Do not force it past 5 or 1, or the speed adjusting function may no longer work.

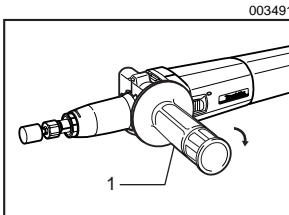
## ASSEMBLY

### ⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

### Installing the side handle

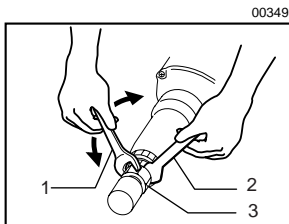
Always use the side handle to ensure operating safety. Install the side handle on the tool barrel, then tighten the handle by turning clockwise at the desired position.



1. Side handle

### Installing or removing wheel point

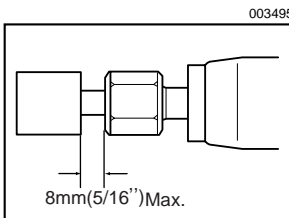
Loosen the collet nut and insert the wheel point into the collet nut. Use the smaller wrench to hold the spindle and the larger one to tighten the collet nut securely.



1. Wrench 19
2. Wrench 13
3. Collet nut

The wheel point should not be mounted more than 8 mm (5/16") from the collet nut. Exceeding this distance could cause vibration or a broken shaft.

To remove the wheel point, follow the installation procedure in reverse.

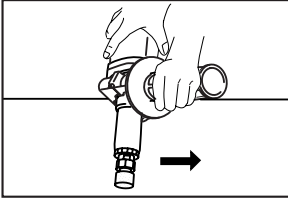


### ⚠ CAUTION:

- A 1/4" collet cone is provided as standard equipment. Use an optional collet cone 1/8" to install a 1/8" shank wheel point.

## OPERATION

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Turn the tool on without the wheel point making any contact with the workpiece and wait until the wheel point attains full speed. Then apply the wheel point to the workpiece gently. To obtain a good finish, move the tool in the leftward direction slowly.

### ⚠ CAUTION:

- Apply light pressure on the tool. Excessive pressure on the tool will only cause a poor finish and overloading of the motor.

## MAINTENANCE

### ⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

## ACCESSORIES

### ⚠ CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita service center.

- Wheel points
- Collet cone set (1/4", 1/8")
- Wrench 13
- Wrench 19
- Side handle set