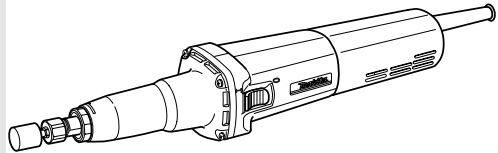




# Die Grinder

MODEL GD0800C  
MODEL GD0810C



005331



## I N S T R U C T I O N M A N U A L

**⚠ WARNING:**

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

# SPECIFICATIONS

Model	GD0800C	GD0810C
Collet size	8 mm max.	8 mm max.
Max. wheel point diameter	25 mm	50 mm
No load speed (min <sup>-1</sup> )	7,000 - 28,000	1,800 - 7,000
Overall length	371 mm	371 mm
Net weight	1.6 kg	1.7 kg
Safety class	□ / II	

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.
- Note: Specifications may differ from country to country.

## Symbols

END202-2

The following show the symbols used for the tool. Be sure that you understand their meaning before use.



.....Read instruction manual.



.....DOUBLE INSULATION



.....Wear safety glasses.



.....Only for EU countries

Do not dispose of electric equipment together with household waste material!

In observance of European Directive 2002/96/EC on waste electric and electronic equipment and its implementation in accordance with national law, electric equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

## Intended use

The tool is intended for grinding ferrous materials or deburring castings.

## Power supply

The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated in accordance with European Standard and can, therefore, also be used from sockets without earth wire.

## For European countries only

### Noise and Vibration

The typical A-weighted sound pressure level is 78 dB (A).

The noise level under working may exceed 85 dB (A).

– Wear ear protection. –

The typical weighted root mean square acceleration value is not more than 2.5 m/s<sup>2</sup>.

### EC-DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in compliance with the following standards of standardized documents, HD400, EN50144, EN55014, EN61000 in accordance with Council Directives, 73/23/EEC, 89/336/EEC, 98/37/EC.

Yasuhiko Kanzaki **CE 2003**

Director

## MAKITA INTERNATIONAL EUROPE LTD.

Michigan Drive, Tongwell, Milton Keynes, Bucks MK15 8JD, ENGLAND

# SAFETY INSTRUCTIONS

ENA001-2

## **WARNING:**

**When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions.**

### **For safe operations:**

- 1. Keep work area clean.**  
Cluttered areas and benches invite injuries.
- 2. Consider work area environment.**  
Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area well lit. Do not use power tools where there is risk to cause fire or explosion.
- 3. Guard against electric shock.**  
Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
- 4. Keep children away.**  
Do not let visitors touch the tool or extension cord. All visitors should be kept away from work area.
- 5. Store idle tools.**  
When not in use, tools should be stored in a dry, high or locked up place, out of reach of children.
- 6. Do not force the tool.**  
It will do the job better and safer at the rate for which it was intended.
- 7. Use the right tool.**  
Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purposes not intended; for example, do not use circular saws to cut tree limbs or logs.
- 8. Dress properly.**  
Do not wear loose clothing or jewellery, they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering to contain long hair.
- 9. Use safety glasses and hearing protection.**  
Also use face or dust mask if the cutting operation is dusty.
- 10. Connect dust extraction equipment.**  
If devices are provided for the connection of dust extraction and collection facilities ensure these are connected and properly used.
- 11. Do not abuse the cord.**  
Never carry the tool by the cord or yank it to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
- 12. Secure work.**  
Use clamps or a vice to hold the work. It is safer than using your hand and it frees both hands to operate the tool.
- 13. Do not overreach.**  
Keep proper footing and balance at all times.
- 14. Maintain tools with care.**  
Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cord periodically and if damaged have it repaired by an authorized service facility. Inspect extension cords periodically and replace, if damaged. Keep handles dry, clean and free from oil and grease.
- 15. Disconnect tools.**  
When not in use, before servicing and when changing accessories such as blades, bits and cutters.
- 16. Remove adjusting keys and wrenches.**  
Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
- 17. Avoid unintentional starting.**  
Do not carry a plugged-in tool with a finger on the switch. Ensure switch is off when plugging in.
- 18. Use outdoor extension leads.**  
When tool is used outdoors, use only extension cords intended for outdoor use.
- 19. Stay alert.**  
Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- 20. Check damaged parts.**  
Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.
- 21. Warning.**  
The use of any accessory or attachment, other than those recommended in this instruction manual or the catalog, may present a risk of personal injury.
- 22. Have your tool repaired by a qualified person.**  
This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

---

# ADDITIONAL SAFETY RULES

ENB044-3

1. Always use eye and ear protection. Other personal protective equipment such as dust mask, gloves, helmet and apron should be worn.
2. Use only wheels with correct size and wheels having a maximum operating speed at least as high as the highest No Load Speed marked on the tool's nameplate.
3. Check the wheel carefully for cracks or damage before operation. Replace cracked or damaged wheel immediately.
4. Observe the instructions of the manufacturer for correct mounting and use of wheels. Handle and store wheels with care.
5. Before using the tool on an actual workpiece, test run the tool at the highest no load speed for at least 30 seconds in a safe position. Stop immediately if there is any vibration or wobbling that could indicate poor installation or a poorly balanced wheel. Check the tool to determine the cause.
6. Check that the workpiece is properly supported.
7. 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.
8. Make sure the wheel is not contacting the workpiece before the switch is turned on.
9. Watch out for flying sparks. Hold the tool so that sparks fly away from you and other persons or flammable materials.
10. Pay attention that the wheel continues to rotate after the tool is switched off.
11. Hold the tool firmly.
12. Keep hands away from rotating parts.
13. Do not leave the tool running. Operate the tool only when hand-held.
14. Do not touch the workpiece immediately after operation; it may be extremely hot and could burn your skin.
15. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
16. Do not use the tool on any materials containing asbestos.
17. Do not use water or grinding lubricant.
18. Do not use this tool as cutter.
19. Ensure that ventilation openings are kept clear when working in dusty conditions. If it should become necessary to clear dust, first disconnect the tool from the mains supply (use non metallic objects) and avoid damaging internal parts.

---

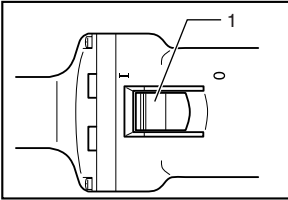
# SAVE THESE INSTRUCTIONS

# FUNCTIONAL DESCRIPTION

**⚠ CAUTION:**

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

003488



1. Slide switch

### Switch action

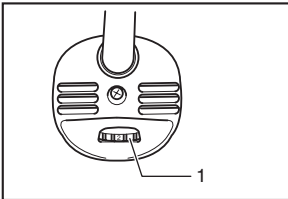
**⚠ CAUTION:**

- 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.

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.

C00149

	GD0800C	GD0810C
Number	min <sup>-1</sup> (RPM)	min <sup>-1</sup> (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.

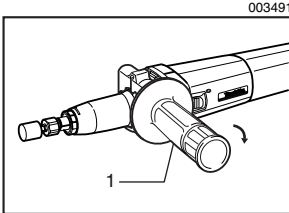
## ASSEMBLY

**⚠ CAUTION:**

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

### Installing the side handle (optional accessory)

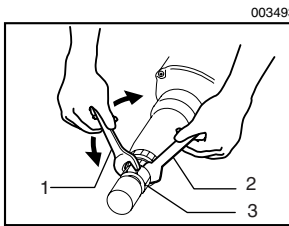
Install the side handle on the tool barrel, then tighten the handle by turning clockwise at the desired position.



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.

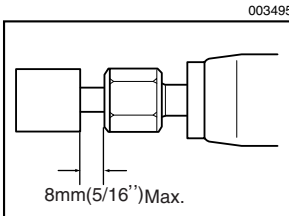


1. Wrench 19
2. Wrench 13
3. Collet nut

The wheel point should not be mounted more than 8 mm 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:**

- Use the correct size collet cone for the wheel point which you intend to use.

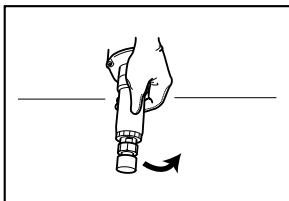


## OPERATION

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 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                             | • Wrench 13       |
| • Collet cone set (3 mm, 6 mm, 1/4", 1/8") | • Wrench 19       |
| • Vise holder                              | • Side handle set |

Makita Corporation Anjo, Aichi, Japan