

Polymak®

Solutions Provider For Industry & Trade

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DIE GRINDER

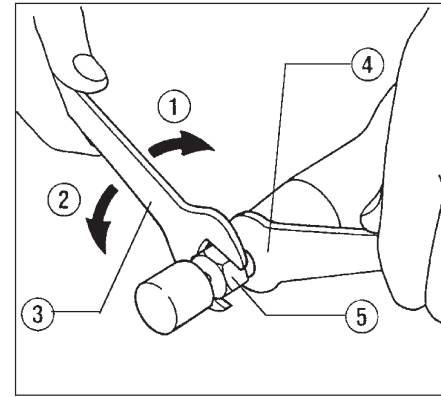
PM6DG-DY

INSTRUCTION MANUAL

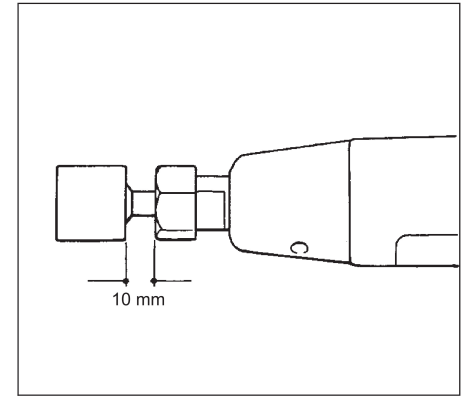


☐ Read through carefully and understand these instructions before use.

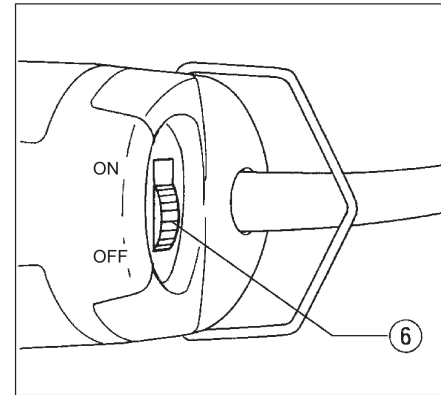
NO.	Description	QTY
1	Collet Nut	1
2	Collet	1
3	output axis	1
4	spring-type straight pin	2
5	O-ring	1
6	Bearing 608	4
7	retaining rings for shaft	1
8	rubber pillar	3
9	joint sleeve	1
10	filling piece8x16	1
11	Armature	1
12	Carbon brush cap	2
13	carbon holder	2
14	Carbon brush	2
15	Stator	1
16	Nut	1
17	Right Cover	1
18	capacitance	1
19	Switch	1
20	Cable	1
21	Cable sheath	1
22	pressing line plate	1
23	Nut bolt ST 3.9x14	2
24	Hook	1
25	Nut bolt ST 3.9x20	8
26	Label	1
27	Left Cover	1



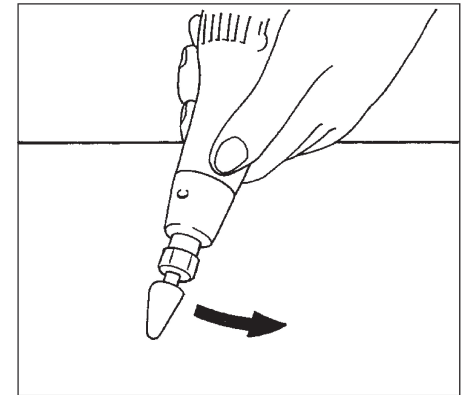
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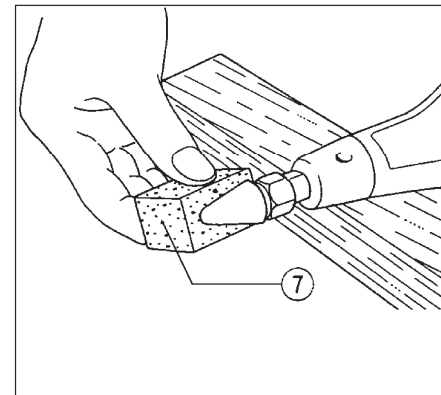
2



3



4



5

Explanation of general view

ENGLISH

- ① Tighten
- ② Loosen
- ③ Wrench 17
- ④ Wrench 10
- ⑤ Collet nut
- ⑥ Switch
- ⑦ Dressing stone

SPECIFICATIONS

Model	PM6DG-DY
Collet size	6 mm or 1/4"
Max. wheel point diameter	19 mm
No load speed (min ⁻¹)	26,000

* Due to our continuing program of research and development, the specifications herein are subject to change without notice.

* Note: Specifications may differ from country to country.

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.

Safety hints

For your own safety, please refer to the enclosed safety instructions.

ADDITIONAL SAFETY RULES FOR TOOL

ENB044-1

1. Always wear safety goggles and ear protectors during operation.
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.

SAVE THESE INSTRUCTIONS.

OPERATING INSTRUCTIONS

Installing or removing wheel point (Fig. 1 & 2)

Important:

- * Always be sure that the tool is switched off and unplugged before installing or removing the wheel point.
- * Ensure that the wheel point dimensions are compatible with the grinder and that the wheel point fits the spindle.

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.

The wheel point should not be mounted more than 10 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.

Switch action (Fig. 3)

To start the tool, move the switch to the "ON" position. To stop, move the switch to the "OFF" position.

Operation (Fig. 4)

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.
- * The wheel point continues to rotate after the tool is switched off.

Dressing wheel point (Fig. 5)

When the wheel point becomes "loaded" with various bits and particles, you should dress the wheel point with the dressing stone.

