



Instruktionsbok
Kombiverktyg

Manual
Combitalool

BCT-135
Code no. 19694-0704

ENGLISH

Original instructions

CONTENTS

1.	Introduction.....	26
2.	Technical specifications.....	26
3.	Package contents.....	26
4.	Features.....	26
5.	Safety instructions.....	27
5.1	Special safety instructions.....	27
5.2	Electrical safety.....	28
6.	Installation and operation.....	28
6.1	Insertion and removal of accessories.....	28
6.2	Using the device.....	28
6.3	Holding and guiding the tool.....	29
7.	Using the accessories.....	29
8.	Maintenance.....	29
8.1	Cleaning.....	29
8.2	Lubrication.....	29
8.3	Faults.....	29
9.	Disposal.....	30
	Spare parts list.....	46
	EC conformity declaration.....	47

1. INTRODUCTION



Always read the instructions for electrical products carefully before use. It will help you understand your product more easily and avoid unnecessary risks. Keep this instruction manual in a safe place for future use. Include these instructions when giving the appliance to another user.

How to use

This machine is designed for do-it-yourself use and is suitable for e.g. drilling, splitting, sanding, engraving and polishing small parts made of stone, wood, plastic and metal. Any other use is not in accordance with its intended use.



Pull the plug from the wall socket before making any settings or performing any maintenance.

2. TECHNICAL SPECIFICATIONS

Voltage.....	V	230
Frequency.....	Hz	50
Power input.....	W	130
No load speed.....	r/min	0 - 30000
Capacity of spring chuck.....	mm	3.2
Weight.....	kg	0.7
Lpa (sound pressure).....	dB (A)	72
Lwa (sound power).....	dB (A)	85
Vibration value.....	m/s ²	0.5

3. PACKAGE CONTENTS

- 1 Combitalool
- 1 Spanner
- 40 Accessories
- 1 Case
- 1 Users manual
- 1 Safety instructions

Check the machine, loose parts and accessories for transport damage.

4. FEATURES (Fig. 1)



Fig. 1

- 1. ON/OFF switch
- 2. Speed control
- 3. Bracket
- 4. Collet
- 5. Collet chuck holder
- 6. Gripping ring
- 7. Spindle lock



5. SAFETY INSTRUCTIONS

The following icons appear in these operating instructions and/or on the appliance:



Read instructions carefully



In accordance with essential applicable safety standards of European directives



Class II machine – Double insulation – You don't need any earthed plug.



Denotes risk of personal injury, loss of life or damage to the machine in case of non-observance of the instructions in this manual.



Indicates electrical shock hazard.



Immediately unplug the plug from the mains electricity in the case that the cord gets damaged and during maintenance



Use spindle lock only in stand still mode.



The number of revolution of the machine can be electronically set.



Wear ear and eye protection



Faulty and/or discarded electrical or electronic apparatus have to be collected at the appropriate recycling locations.

5.1 Special safety instructions

- The accessories must be stored in accordance with the manufacturer's instructions.
- Always check the condition of the accessories before using them. Do not use damaged, deformed or broken discs.
- Ensure that the sanding and milling tools are correctly mounted as prescribed.
- Ensure that the accessories are correctly and firmly mounted before using the device. Run the device unloaded for 30 seconds before using it. In the case of excessive vibration or other defects, immediately switch the device off. Then examine the device for the cause of the problem.
- Use only accessories delivered with the device or approved for use with the device. Never use loose adapters or packing rings to adapt the device for use with accessories not included in delivery.
- Do not exert force at the side of the sanding disc.
- Ensure that any flying sparks do not present a hazard to persons or inflammable materials.
- Always keep the power cable away from moving parts of the device.
- If the device jams then immediately switch it off and remove the plug from the wall socket.
- Use only accessories with a maximum permissible rotational speed that is greater or the same as that of the machine.
- Switch off the motor and ensure that all moving parts have come to a standstill before putting the device aside.
- Never attach a chuck key to your device using a cord or other similar fastening.
- Never use the spindle lock while the device is running.
- Ensure that the diameter of the chuck matches the axle diameter of the accessory.
- Always clamp the workpiece.
- Keep your fingers away from the workpiece and rotating accessories.

5.2 Electrical safety

When using electric machines always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock and personal injury. Read the following safety instructions and also the enclosed safety instructions. Keep these instructions in a safe place!



Always check that the power supply corresponds to the voltage on the rating plate.



Class II machine. Your machine is double insulated; therefore no earth-wire is required.

- Replacing cables or plugs

If the mains cable becomes damaged, it must be replaced with a special mains cable available from the manufacturer or the manufacturer's customer service.

Dispose of old cables or plugs immediately after replacing them with new ones. It is dangerous to connect the plug of a loose cable to a socket.

- Using extension cables

Only use an approved extension cable suitable for the power input of the machine. The minimum conductor size is 1.5 mm². When using a cable reel always unwind the reel completely.

6. INSTALLATION AND OPERATION



Always remove the plug from the wall socket before installation.



Caution! When changing accessories, insert the tool as deep as possible into the chuck to avoid uneven running or the tool slipping out.

6.1 Insertion and removal of accessories (Fig. 2)

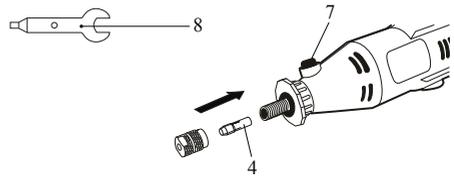


Fig. 2

Press the knob on the spindle lock (7) and keep it pressed. (Note: In some cases the knob can only be pressed when the spindle is rotated slightly). Use the spanner (8) to release the chuck (4) in an anticlockwise direction. Insert the desired accessory tool. Hold the spindle lock firmly and use the chuck key to tighten the chuck in a clockwise direction (not too tight).



Never operate the spindle lock while the motor is running. This can damage the device.

Note: The multifunction tool is supplied with a 3.2 mm diameter chuck (4) installed. If you wish to use accessories with a 2.4 mm shaft diameter then the chuck must be swapped. To do this, completely unscrew the chuck collar, then pull out the chuck and replace it with the 2.4 mm chuck provided. Then screw the chuck collar firmly back into place. The same method can be used for replacing the chuck in the flexible shaft.

6.2 Using the device (Fig. 1)

Switch on the device using the ON/OFF switch (1). The speed of the multifunction tool can be adjusted by sliding the switch knob towards the I marking. Do not place the device aside while the motor is still running.



Excessive loading of the multifunction tool at low speeds can lead to overheating of the motor.



Always wear protective goggles and hearing protection when using the device.

Do not place the machine on a dusty surface, otherwise dust may penetrate into the machine.



Use spindle lock only in stand still mode.

6.3 Holding and guiding the tool

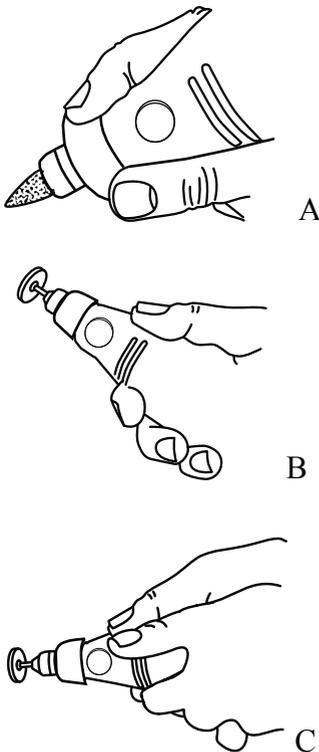


Fig. 3

- For precision work (engraving): Pencil grip (A).

- For rough work (sanding): Paring knife hand grip (B).
- When you need to keep the tool parallel to the work surface (e.g. using a cut-off disc): 2-hand golf grip (C).

7. USING THE ACCESSORIES

Ferax does not deliver spare accessories for the Combital. The Combital is designed to use the standard accessories of Dremel, Black & Decker, Bosch or Proxxon. Always check that the maximum rpm of the accessory is suitable for the maximum speed of the Combital.

8. MAINTENANCE



Make sure that the machine is not live when carrying out maintenance work on the motor.

This machine has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper machine care and regular cleaning.

8.1 Cleaning

Keep the ventilation slots of the machine clean to prevent overheating of the engine. Regularly clean the machine housing with a soft cloth, preferably after each use. Keep the ventilation slots free from dust and dirt. If the dirt does not come off use a soft cloth moistened with soapy water. Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

8.2 Lubrication

The machine requires no additional lubrication.

8.3 Faults

Should a fault occur, e.g. after wear of a part, please contact your reseller. On the separately enclosed spare parts list you can find an overview of the parts that can be ordered.

9. DISPOSAL

The machine is delivered in solid packing to prevent transport damage. The packing primarily consists of recyclable materials. Dispose of the packing materials in an environmentally friendly manner.

The product must be properly disposed of at the end of its service life in accordance with Directive 2002/96/EC. Ask your local waste management facility.



Damaged electrical or electronic appliances or appliances to be disposed of must be delivered to recycling sites designated for this purpose.



Combitool

BCT - 135
