



FERM CTM1012 Multifunction tool Instruction Manual

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FERM CTM1012 Multifunction tool



Thank you for buying this Ferm product.

By doing so you now have an excellent product, delivered by one of Europe's leading suppliers. All products delivered to you by Ferm are manufactured according to the highest standards of performance and safety. As part of our philosophy we also provide an excellent customer service, backed by our comprehensive warranty. We hope you will enjoy using this product for many years to come.

Read the operating instructions carefully before using this device. Familiarise yourself with its functions and basic operation. Service the device as per the instructions to ensure that it always functions properly. The operating instructions and the accompanying documentation must be kept in the vicinity of the device.

Machine data

Technical specifications

- Voltage 230 V
- Frequency 50 Hz
- Power consumption 160 W
- No load speed 15.000–35.000/min
- Capacity of spring chuck 3.2 + 2.4 mm
- Weight 0.6 kg
- L_{pa} (Sound pressure level) 70+3 dB(A)
- L_{wa} (Sound power level) 83+3 dB(A)
- Vibration 1.7+1.5 m/s²

Vibration level

The vibration emission level stated in this instruction manual has been measured in accordance with a standardized test given in EN 60745; it may be used to compare one tool with another and as a preliminary assessment of exposure to vibration when using the tool for the applications mentioned.

- using the tool for different applications, or with different or poorly maintained accessories, may significantly increase the exposure level.
- the times when the tool is switched off or when it is running but not actually doing the job, may significantly reduce the exposure level.

Protect yourself against the effects of vibration by maintaining the tool and its accessories, keeping your hands warm, and organizing your work patterns.

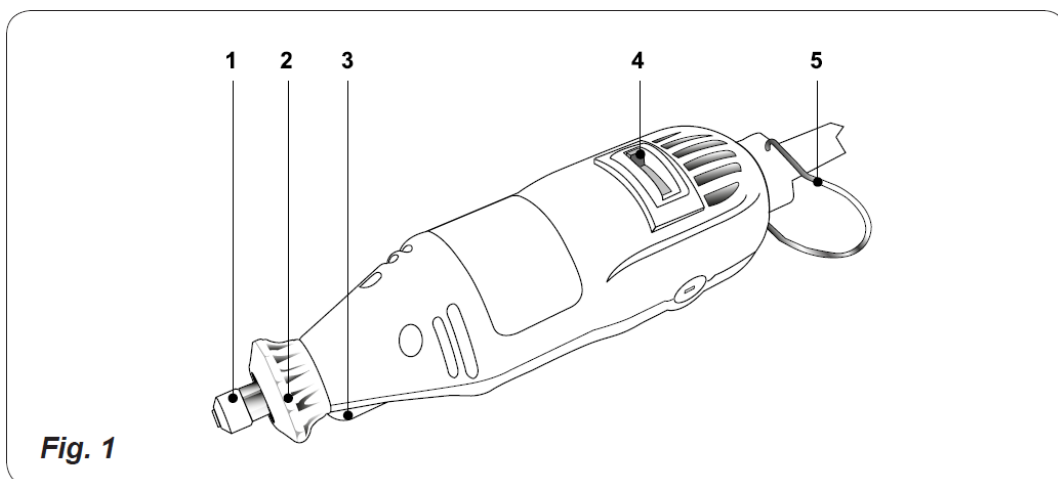
Package contents

- 1 Combitool
- 1 Spring chuck spanner
- 40 Accessories
- 1 Case
- 1 Instructions for use
- 1 Safety section
- 1 Guarantee card

Check first whether or not the delivery has been damaged by transport and/or whether all the parts are present.

Features

1. Collet chuck
2. Ring
3. Spindle lock
4. Speed adjusting wheel
5. Clip



Safety instructions

Explanation of symbols

- Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.
- Indicates the presence of an electrical voltage.
- Variable speed control.
- Wear ear and eye protection.
- Wear a dust mask.

Special safety instructions

- Always keep the cord away from the moving parts of the machine.
- In the case of locking, switch the machine off immediately and remove the plug from the mains.

- Compare the maximum number of revolutions allowed of the accessories with the number of revolutions of the machine.
- When you put the machine away the engine must be switched off and moving parts must have reached a standstill.
- Never attach an assembly spanner to your machine with a piece of string or anything similar.
- Never use the axle locking button if the machine is operating.
- Make sure that the spring chuck diameter is the same as the axle diameter of the accessory.
- Use a clamping device for securing the work piece.
- Keep your hands away from the work piece.

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.

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

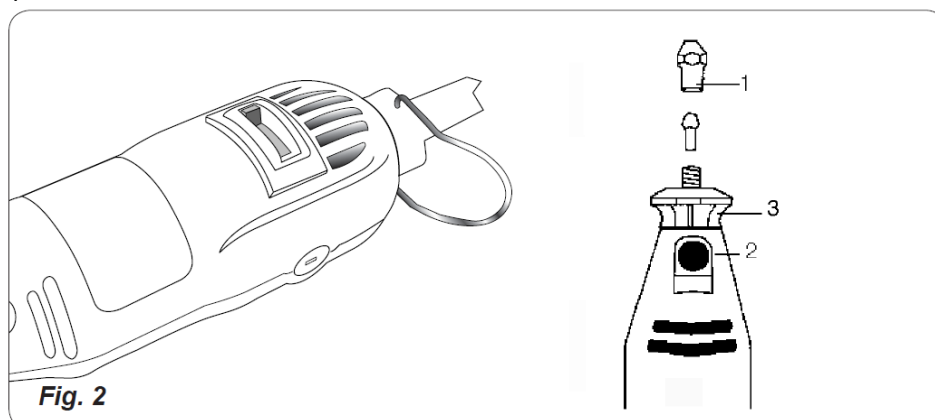
Only use an approved extension cable suitable for the power input of the machine. The minimum conductor size is 1.5 mm². When using a cable reel always unwind the reel completely.

Assembly of accessories

- Before assembly always remove the plug from the mains.
- **Warning!** Change accessories by inserting an accessory into the collet (or chuck) as far possible to minimize run out and unbalance.

Assembly of accessories

Press down the axle locking button (2) and hold it down. Using the spring chuck spanner you can undo the spring chuck (1). Put the accessory in its place. Hold down the axle locking button when you fasten the spring chuck with the spring chuck spanner.

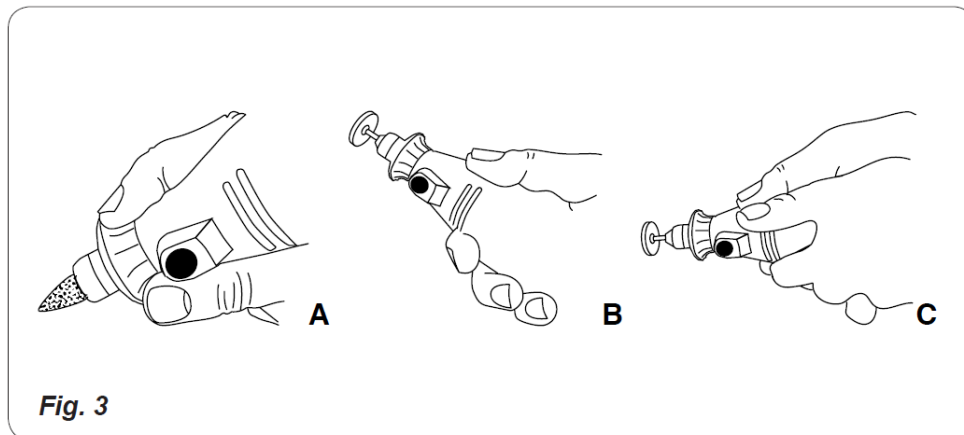


Operation

Switch on the machine by engaging the on/out switch (A) By adjusting the adjusting wheel (B) you can regulate the speed of the Combitoool. Do not put the machine down when the motor is still running. Do not place the machine on a dusty surface. Dust particles may enter the mechanism. Too high a load at a low speed of the Combitoool can burn out the engine.

Holding and guiding the tool

- For precision work (engraving): pencil grip (A)
- For rough work (grinding): paring knife hand grip (B)
- When you need to keep the tool parallel to the work surface (e.g. using a cut-off wheel): 2 hand golf grip (C)

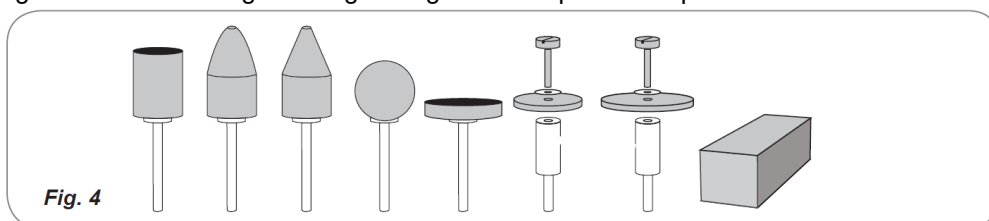


Accessories for the Combitoool

Ferm does not deliver spare accessories for the Combitoool. The Combitoool 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 Combitoool.

Grinding stones

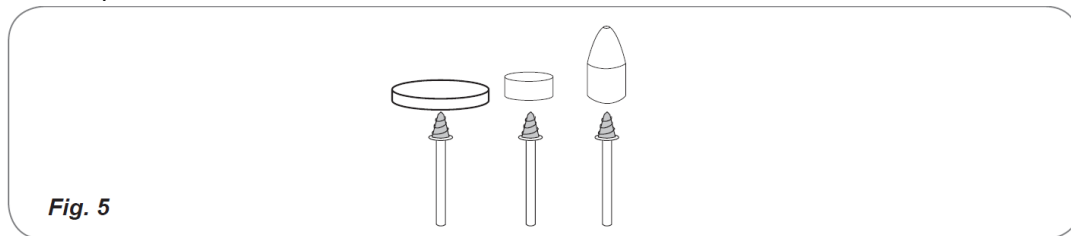
When using a grinding stone the first time, use the dressing stone to balance it. The dressing stone can also be used for cleaning the surface or to give the grinding stone a special shape.



Material	Speed setting
Stone, shell	-
Steel	+
Aluminium, brass	+ -
Plastic	-

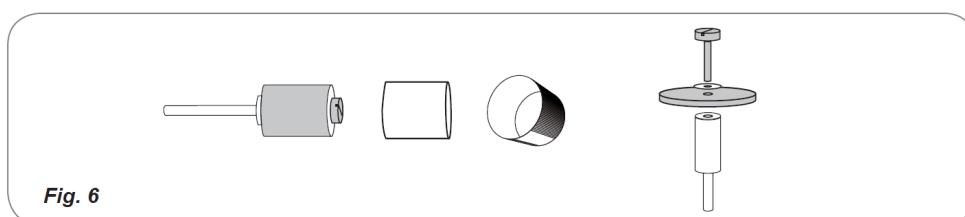
Felt wheels and tip

The felt wheels or tip should be screwed on the mandrel.



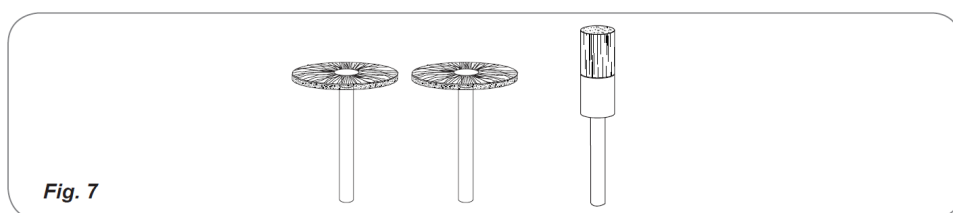
Material	Speed setting
Steel	+
Aluminium, brass	+ -
Plastic	+

Sanding bands and disc



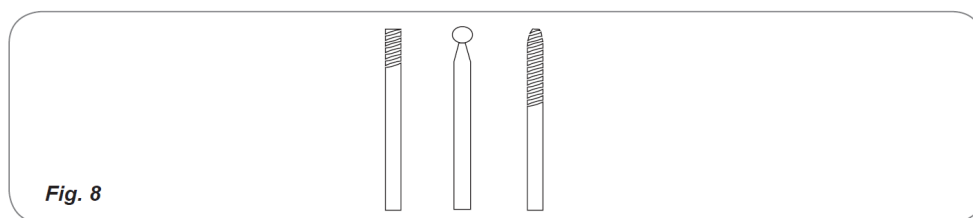
Material	Speed setting
Wood	+ +
Steel	-
Aluminium, brass	+ -
Plastic	-

Stainless steel brushes and bristle brush



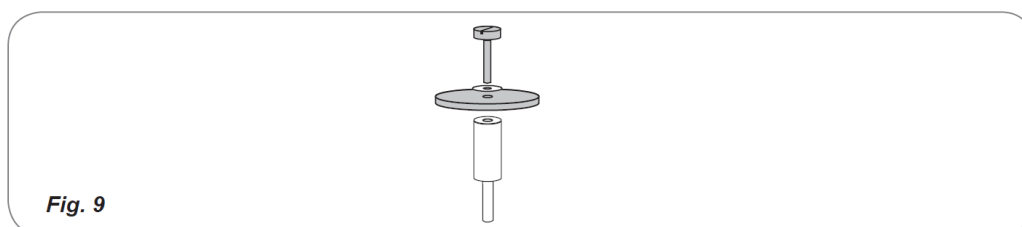
Material	Speed setting
Stone, shell	+ -
Aluminium, brass	+ -

High speed cutter, Diamond wheel point and Drill



Material	Speed setting
Stone, shell	Max
Steel	+ -
Aluminium, brass	+ +
Plastic	-

Abrasive disc



Material	Speed setting
Steel	+
Aluminium, brass	+ -
Plastic	-

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.

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. Please clean the tool immediately after use.

Lubrication

The machine requires no additional lubrication.

Faults

Should a fault occur, e.g. after wear of a part, please contact the service address on the warranty card. In the back of this manual you find an exploded view showing the parts that can be ordered.

Environment

To prevent damage during transport, the appliance is delivered in a solid packaging which consists largely of reusable material. Therefore please make use of options for recycling the packaging.

Damaged and/or disposed of electrical or electronic devices must be dropped off at recycling stations intended for that purpose.

Only for EC countries

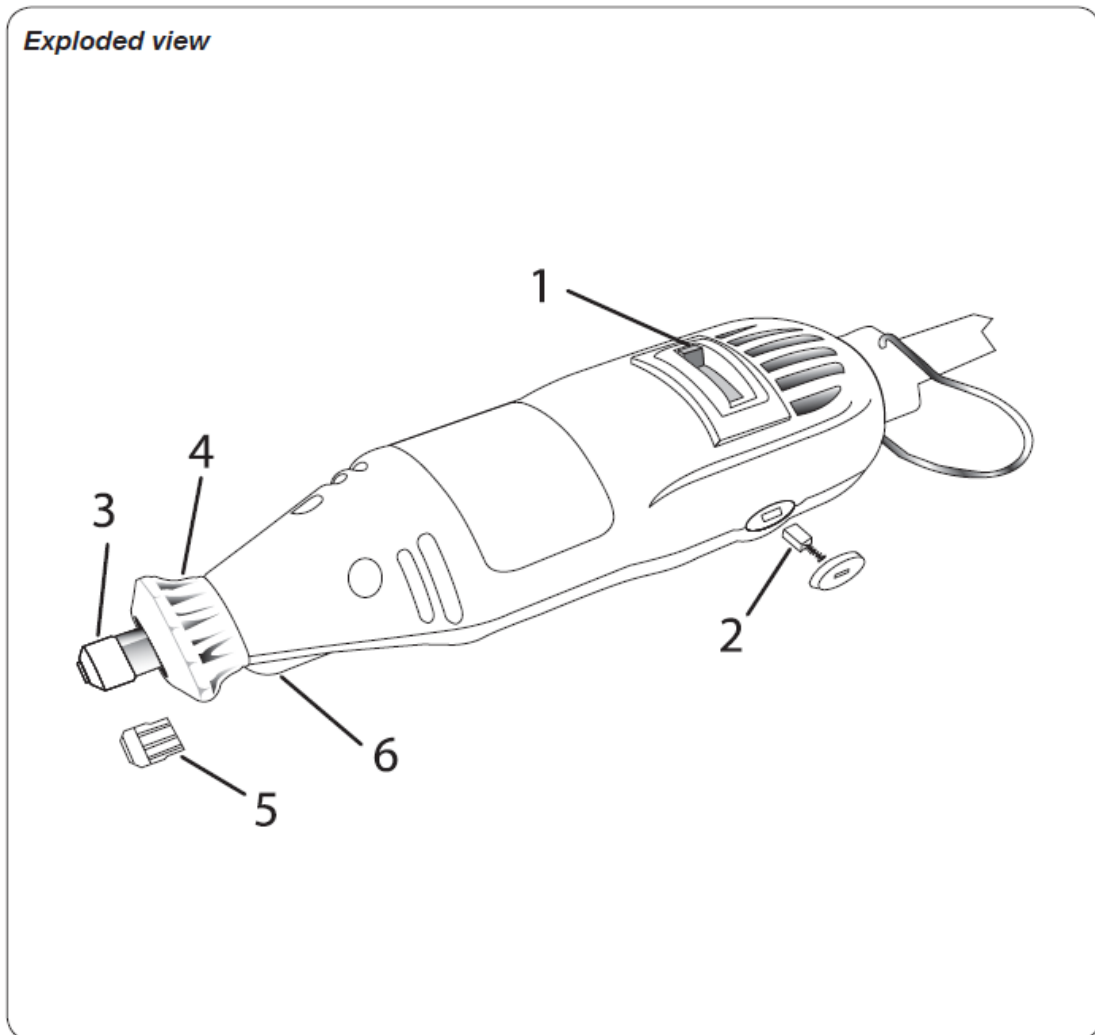
Do not dispose of power tools into domestic waste. According to the European Guideline 2012/19/EU for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally friendly way.

Warranty

Read the warranty conditions on the separately supplied warranty card.

The product and the user manual are subject to change. Specifications can be changed without further notice.

Exploded view




Position	Description	No.
406894	Switch	1
406895	Carbon brush (set)	2
406896	Collet nut	3
406709	Ring	4
406683	Collet chuck 3.2 MM	5
406684	Collet chuck 2.4 MM	5
406897	Spindle lock	6
406708	Flexible shaft	—

DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in conformity with directive 2011/65/EU of the European parliament and of the council of 8 June on the restriction of the use of certain hazardous substances in electrical and electronic equipment is in conformity and accordance with the following standards and regulations:

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Documents / Resources

	<p>FERM CTM1012 Multifunction tool [pdf] Instruction Manual CTM1012 Multifunction tool, CTM1012, Multifunction tool, tool</p>
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References

- [FERM Power Tools - Power to create](#)