



BANDER 300

HAND BAND SAW

ORIGINAL USER MANUAL



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ORIGINAL USER MANUAL FMH TOOLS – BANDER 300

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EXPLANATION OF MARKINGS



This is placed in all places where you will find instructions for your safety.

Failure to follow them can result in the most serious injury.



This symbol indicates a possible undesirable situation.

If it is not avoided, it may damage the product or objects around it.



This symbol indicates tips for use and other useful information.

SCOPE OF DELIVERY BANDER 300

BANDER 300 hand band saw complete incl:

- 2 saw blades, 6 mm
- 1 operating manual including safety instructions
- 1 warranty card inside the operating instructions

TECHNICAL DATA BANDER 300

Type: FMH Tools – BANDER 300

Cutting depth 305 mm

Pulley diameter 205 mm

Width of saw blade 6 – 8 mm

Guide plate 420 x 310 mm

Saw blade length 1710 mm

Saw blade thickness max. 0.65 mm

Idle speed 1410 min⁻¹

Cutting speed at idle speed 15 m/s

Weight without power cable 20 kg

Motor - asynchronous, protection class IP40 - 1 phase, 230 VAC, 50-60 Hz

Power consumption in continuous operation 0,75 kW

Noise emission data BANDER 300

Sound pressure level L_{pfA} up to 80 dB

Sound power level L_{WA} up to 93 dB

Vibration data BANDER 300

Typical hand and arm vibration is less than 2,5 m/s²

PRESCRIBED USE

The BANDER 300 handheld portable band saw is exclusively designed for cutting solid wood, wooden beams and board materials such as particleboard, tabletops and medium hard fibreboard, for profiling the ends of beams or working on construction sites using hardened toothed saw blades. It is designed to be operated by one person.

The dimensions of the saw blades used must be within the following range:

Saw blade length 1710 mm ± 10 mm

Saw band width 6 – 8 mm

Saw band thickness max. 0,65 mm.

Other uses than the above are not permitted.

Damage and accidents caused by improper use are the sole responsibility of the product user.

When working with power tools, the principles and guidelines for accident prevention and the enclosed „Safety instructions“ must be observed to prevent accidents.

The manufacturer is not liable for damage caused by unauthorized intervention or when original accessories other than those supplied are used with the power tool.

The manufacturer is not liable for damage resulting from such other use.

To ensure that the machine is used as intended, observe the operating, maintenance and service conditions prescribed by FMH Tools Ltd.

GENERAL SAFETY INSTRUCTIONS FOR USE

The Bander 300 hand band saw may only be used and maintained by persons who have been properly acquainted with the safety instructions and operating instructions. The device may only be repaired by the manufacturer or a specialist service. The age of people using BANDER 300 must be at least 18 years. Younger people 18 years of age may only use the tool under professional supervision. For safety reasons and to be aware of the remaining risks, the user must read and understand these operating instructions.

1. Safe operation of the BANDER 300 is understood to mean handling by a user properly instructed by these instructions for use, when all safety instructions for the use of this tool given herein are observed
2. Always observe the following safety instructions and the applicable safety regulations in the country where the machine is used!
3. Never work without the protective gear prescribed for the task in the country where the BANDER 300 is used.
4. Do not change anything on the machine that could restrict the safe use of the BANDER 300.
5. Work on the electrical parts of the machine must only be carried out by a qualified electrician or professional service technician.
6. Do not work with the BANDER 300 in damp areas, in wet conditions, outdoors in rain, outdoors in snow, outdoors in fog, in areas with increased risk of explosion, near flammable substances or gases
7. Damaged cable or plug must be replaced immediately
8. Insert the plug into the socket only with the power tool's trigger switch off
9. Before carrying out any work with the BANDER 300, always check the entire length of the power cord, including the plug for any damage
10. In the event of any damage or breakage to the power cord or plug, have this fault repaired by a professional service technician
11. Always unplug the power cord from the power outlet before performing any service or maintenance work on the BANDER 300.
12. Do not carry the BANDER 300 by the power cord
13. Do not pull the power cord out of the mains socket
14. Ensure that the power cord is protected from oil and heat and is not pulled over sharp edges
15. Do not break or manually pull the plug by holding the power cord

GENERAL SAFETY INSTRUCTIONS FOR USE

16. When cutting with the BANDER 300, always route the supply cable backwards away from the machine.
17. When transporting and storing, do not wrap the power cable around the BANDER 300
18. Use only approved extension cords in outside areas
19. Always store the BANDER 300 in a dry and enclosed area out of the reach of children
20. After switching off the BANDER 300, never stop a running saw blade by hand or lateral pressure on any material
21. Use only approved saw blades
22. Use only properly sharpened saw blades designed for the specific type of work that is carried out
23. Do not use dull, damaged, cracked or otherwise deformed saw blades
24. Do not use saw blades with a thickness greater than 0.65 mm
25. Always check the correct tension of the saw blade before working with the BANDER 300. Always do this with the mains plug removed.
26. Always unplug the power cord from the mains before replacing the saw blade, adjusting the saw blade, or removing debris
27. It is strictly forbidden to carry out any manipulation of the saw blade, adjustments, adjustments when the BANDER 300 is still running or the motor is running after switching off or plugged into the mains
28. Never operate the BANDER 300 when the guide wheel covers are removed.
29. Any unauthorised use of the BANDER 300 may cause serious injury.
30. Any servicing, warranty or out-of-warranty repairs must only be carried out by a qualified service station or qualified personnel
31. Always and only work with the BANDER 300 out of the reach of children
32. Always use only original spare parts
33. Always wear hearing protection and a respirator when working with the BANDER 300.

The machine is equipped with the following safety devices. These are recommended for safe operation of the machine and must not be removed while working with the machine.

1. Upper guide wheel cover
2. Lower guide wheel cover
3. Large base plate
4. Handles
5. Safety switching device

COMMISSIONING AND OPERATION

The BANDER 300 handheld bandsaw is designed as a Class I, 1-phase AC tool with IP40 protection and has a means of connecting a protective earth wire.

1. Before using the BANDER 300, always check that the mains voltage is at the correct value (see the type plate of the electric motor)
2. Always connect the BANDER 300 to the mains in the off state.
3. Always check the direction of rotation of the saw blade before using the BANDER 300 (see arrow on motor housing)
4. Before using the BANDER 300, always ensure that you have a clear working area with adequate lighting where you are not at risk of slipping and falling
5. Before using the BANDER 300, always check the work area to ensure that the work material is clean and properly secured and secured against falling, for example with carpenter's clamps
6. Never cut into foreign objects such as metal, nails, etc. with the BANDER 300. Always check the work surface and materials to cut or saw
7. To start the BANDER 300 after connecting the power cord to the mains supply, actuate (by pressing with the finger of the right hand) the switch located in the right handle of the power tool
8. The BANDER 300 is switched off when the finger of the right hand releases the switch located in the right handle of the power tool. Stop the BANDER 300 only when the saw blade is completely stopped.
9. Only start cutting with the BANDER 300 when the maximum engine speed is reached.
10. Always ensure that the power cable is behind you and away from the machine when cutting.
11. When cutting with the BANDER 300, never reach in front of or under the piece of wood being cut. When cutting with the BANDER 300, never reach into the saw blade area (risk of serious injury).
12. Only use saw blades in accordance with these instructions for use

REPLACING AND FITTING THE SAW BLADE

Always remove the plug from the mains connection before replacing or handling the saw band!

1. Before replacing the saw blade, place the BANDER 300 on a flat pad or stand so that it cannot tip over
2. Remove the lower protective cover and the upper protective cover of the guide wheels
3. Loosen the tension on the saw blade, using the handle behind the lower wheel guard
4. Remove the used saw band
5. Attach the new saw blade in the direction of rotation of the guide wheels according to the arrow located on the upper cover of the guide wheel, first on the lower wheel (Always attach the saw blade with the teeth facing outwards, away from the saw)
6. Then place the saw blade on the upper guide wheel and use the handle behind the lower wheel cover and tighten it slightly with the handle behind the lower wheel cover
7. Rotate the guide wheel so that the saw blade, with a slight adjustment, reaches all four guide bearings with its edge
8. Then tighten the belt adequately.
9. If the saw blade does not fit properly with its trailing edge stop in the guide bearings, the angle of the lower wheel must be adjusted using the knob behind the lower wheel cover.
10. After mounting the saw blade, put back and properly fasten the upper and lower guiding wheel guards.

MAINTENANCE OF THE SAW BLADE

1. The saw blade must be adjusted so that it is within the guide bearings and in the centre of the guide wheel peripheral lining. Under no circumstances must the teeth of the saw blade go over the edge of the wheel lining. If this occurs, the saw blade will deform and crack
2. The distance between the rear edge of the saw band and the bearing guide wall should be 1 mm when the BANDER 300 is running at idle. The rear edge of the saw blade should contact the bearing guide wall only when cutting. Otherwise, the rear edge of the saw blade and the guide bearings overheat, resulting in fatigue of the guide bearing material and saw blade cracks
3. If the BANDER 300 is not used for a long period of time, it is recommended to loosen the tension on the saw blade, both to prevent uneven deformation of the guide wheel lining and because the saw blade heats up during cutting or at high ambient temperatures and shrinks when the temperature drops. If the saw blade is tightly tensioned during cutting, it will become unduly tight when it cools down and may break prematurely
4. Always use a sharp saw blade to achieve a good quality and clean cut.
 - a) Cutting dry and hard wood: saw blade 1710 x 6 x 0,65; 6 ZpZ
 - b) Cutting wet and dry wood for narrow curves: saw blade 1710 x 6 x 0,65; 4 ZpZ
 - c) Universally for cutting dry and wet wood, curves, longitudinal and transverse cuts: 1710 x 8 x 0.65; 4 ZpZ

CARE AND STORAGE

If the BANDER 300 is not used for an extended period of time, it should be cleaned thoroughly. The machine does not require more thorough maintenance when not in use.

When packed, the machine can be stored in a dry warehouse without heating, where the temperature does not fall below -5°C.

Store the unwrapped machine only in a dry, closed warehouse where the temperature does not fall below +5°C and where sudden temperature changes are prevented.

TROUBLESHOOTING

Determining the causes of existing faults and rectifying them are carried out with increased attention and caution. Always remove the power cord from the power supply first!

The most common faults and their causes are listed below. In the event of further malfunctions, please contact your dealer or FMH Tools s.r.o. customer service directly.

Fault	Cause	Troubleshooting
Machine cannot be switched on	Mains voltage not available	Check the mains voltage connection
Shutdown due to undervoltage	Mains voltage is not available (power interruption)	Switch off the machine and switch on again
Saw blade jamming	Blunt saw blade	

SERVICE REPAIRS

Repairs during the warranty and post-warranty period are carried out by the manufacturer of the BANDER 300 or by the manufacturer's authorized professional service.

SUPERIOR ACCESSORIES

1. Aluminum stand

BANDER 300 WARRANTY

The manufacturer guarantees the product for a period of 24 months worldwide. During the warranty period, the manufacturer will provide free repair of the BANDER 300 under the following conditions:

1. The claim is properly made within the warranty period
2. The product has been used in accordance with the manufacturer's recommendations
3. The product has not been tampered with by an unauthorized person (an authorized person is defined as the manufacturer's own service technician or a person or service contracted by the manufacturer to perform warranty repairs)
4. The complete product has been submitted for repair, including a duly endorsed warranty certificate
5. All repairs will be carried out within the scope of the currently applicable rules for the provision of warranty service which, to our knowledge, are required in respect of defects in materials, workmanship and installation

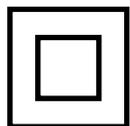
Damage caused by normal wear and tear, overloading of the machine and unprofessional handling and worn saw blades are not covered by the warranty.

The Bander 300 must be sent postage paid to the manufacturer FMH Tools Ltd or to a contractor or repairer authorised to carry out warranty repairs.

The warranty period will be extended by the time the product has been under warranty repair.

CHARACTERISTICS OF THE MACHINE

All data necessary for the identification of the machine are available on the attached performance plate



Protection class II



For EU countries only
Do not dispose of power tools in household waste! According to the European Directive 2002/96/EC on old electrical and electronic equipment and applications in national law, power tools must be separated and taken for environmentally friendly recycling



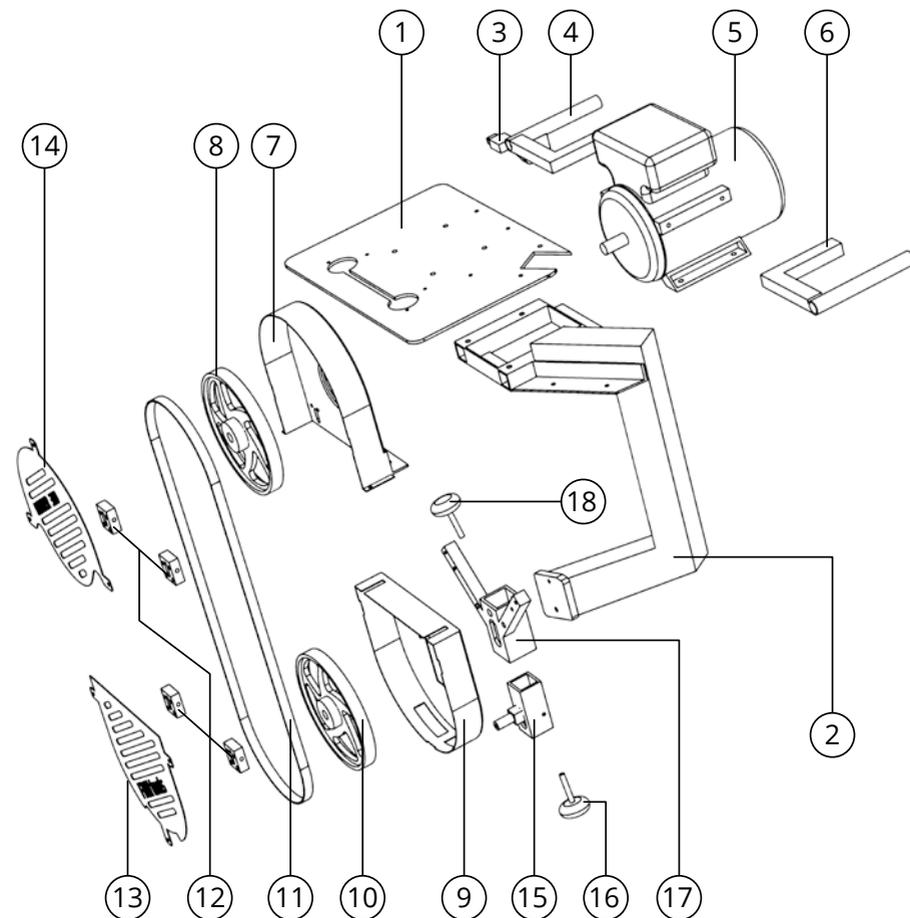
Read the operating instructions to mitigate the risk of injury



CE marking to document compliance with the essential safety and health requirements of Annex I of the Machinery Directive

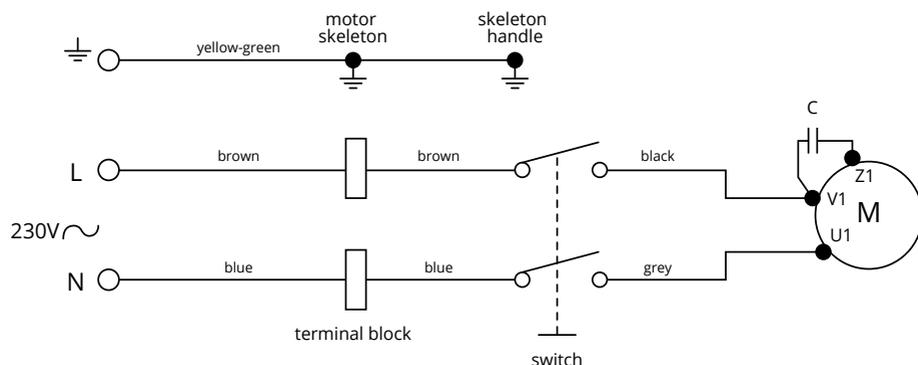
LIST OF PARTS USED

For use by authorised person only. Means the manufacturer's own service technician or a person or service contracted by the manufacturer to carry out warranty repairs.



- | | | |
|---------------------|-----------------------------|------------------------------|
| 1. Base guide plate | 7. Upper wheel cover (rear) | 13. Lower cover |
| 2. Main arm | 8. Upper wheel | 14. Top cover |
| 3. Switch | 9. Lower wheel cover (rear) | 15. Lower tensioning segment |
| 4. Right handle | 10. Lower wheel | 16. Belt tensioning |
| 5. Motor | 11. Saw band | 17. Upper tensioning segment |
| 6. Left handle | 12. Guide bearings | 18. Belt deflection |

ELECTRICAL WIRING DIAGRAM



EC AND EU DECLARATION OF CONFORMITY

- According to Directive 2006/42/EC of the European Parliament and of the Council (Government Order No 176/2008 Coll.)
- According to Directive 2014/35/EC of the European Parliament and of the Council (Government Order No. 118/2016 Coll.)
- According to Directive 2014/30/EC of the European Parliament and of the Council (Government Decree No. 117/2016 Coll.)

Manufacturer: FMH Tools Czech s.r.o.

Equipment: band saw

Type designation: Bander 300

Description of equipment: hand band saw for wood

Meets the requirements of:

Directive 2006/42/EC (Government Order No. 176/2008 Coll.)

Directive 2014/35/EU (Government Order No. 118/2016 Coll.)

Directive 2014/30/EU (Government Order No. 117/2016 Coll.)

List of harmonised standards used in conformity assessment:

ČSN EN ISO 12100:2011, ČSN EN ISO 3744:2011, ČSN EN ISO 14120:2017, ČSN EN 60745-1 ed.3:2009, ČSN EN 60745-2-20 ed.2:2010, ČSN EN 55014-2 ed.2:2017, ČSN EN 55014-1 ed.24:2017, ČSN EN 61000-6-3 ed.2:2007, ČSN EN IEC 61000-3-2 ed.5:2019, ČSN EN 61000-3-3 ed.3:2014

Person in charge of completing the technical documentation: Kamil Holán

This Declaration of Conformity is the original EC Declaration of Conformity.

The last double number of the year in which the CE marking was affixed to the product: 21

In Prague, 14 June 2021

Kamil Holán
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Person responsible for
drawing up the declaration of
conformity

Kamil Holán
jednatel FMH Tools Czech s.r.o.

Identification of the person
authorised to sign on behalf of
the manufacturer

MANUFACTURER DETAILS

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