scheppach BASA1 Bench Top Bandsaw Instruction Manual

CE **Art.№ 1901501901**
Ausgabe№ 1901501850
Rev.№ 16/09/2020

Contents

BASA1 Bench Top Bandsaw

BASA1
Band Saw
Translation from the original instruction manual

CAUTION!: Read the manual carefully before operating this machine!

Explanation of the symbols on the equipment

	Warning! In case of non-compliance danger to life, risk of injury or damage to the tool possib le!
	Caution – Read the operating instructions to reduce the risk of inquiry!
	Wear safety goggles!
	Wear ear-muffs!
	Wear a breathing mask!
	Important! Risk of injury. Never reach into the running saw blade!
	Wear protective gloves.
	Warning! Before installation, cleaning, alterations, maintenance, storage and transport switch off the device and disconnect it from the power supply.
	Saw blade direction

Introduction

Manufacturer:
scheppach
Fabrikation von Holzbearbeitungsmaschinen GmbH
Günzburger Straße 69
D-89335 Ichenhausen
Dear Customer,
We hope your new tool brings you much enjoyment and success.

Note:
According to the applicable product liability laws, the manufacturer of the device does not assume liability for damages to the product or damages caused by the product that occurs due to:

- Improper handling,
- Non-compliance of the operating instructions,
- Repairs by third parties, not by authorized service technicians,
- Installation and replacement of non-original spare parts,
- Application other than specified,
- A breakdown of the electrical system that occurs due to the non-compliance of the electric regulations and VDE

regulations 0100, DIN 57113 / VDE0113.

We recommend:
Read through the complete text in the operating instructions before installing and commissioning the device. The operating instructions are intended to help the user to become familiar with the machine and take advantage of its application possibilities in accordance with the recommendations. The operating instructions contain important information on how to operate the machine safely, professionally and economically, how to avoid danger, costly repairs, reduce downtimes and how to increase reliability and service life of the machine. In addition to the safety regulations in the operating instructions, you have to meet the applicable regulations that apply for the operation of the machine in your country. Keep the operating instructions package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. Read the instruction manual each time before operating the machine and carefully follow its information. The machine can only be operated by persons who were instructed concerning the operation of the machine and who are informed about the associated dangers. The minimum age requirement must be complied with. In addition to the safety requirements in these operating instructions and your country's applicable regulations, you should observe the generally recognized technical rules concerning the operation of woodworking machines. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

Device description

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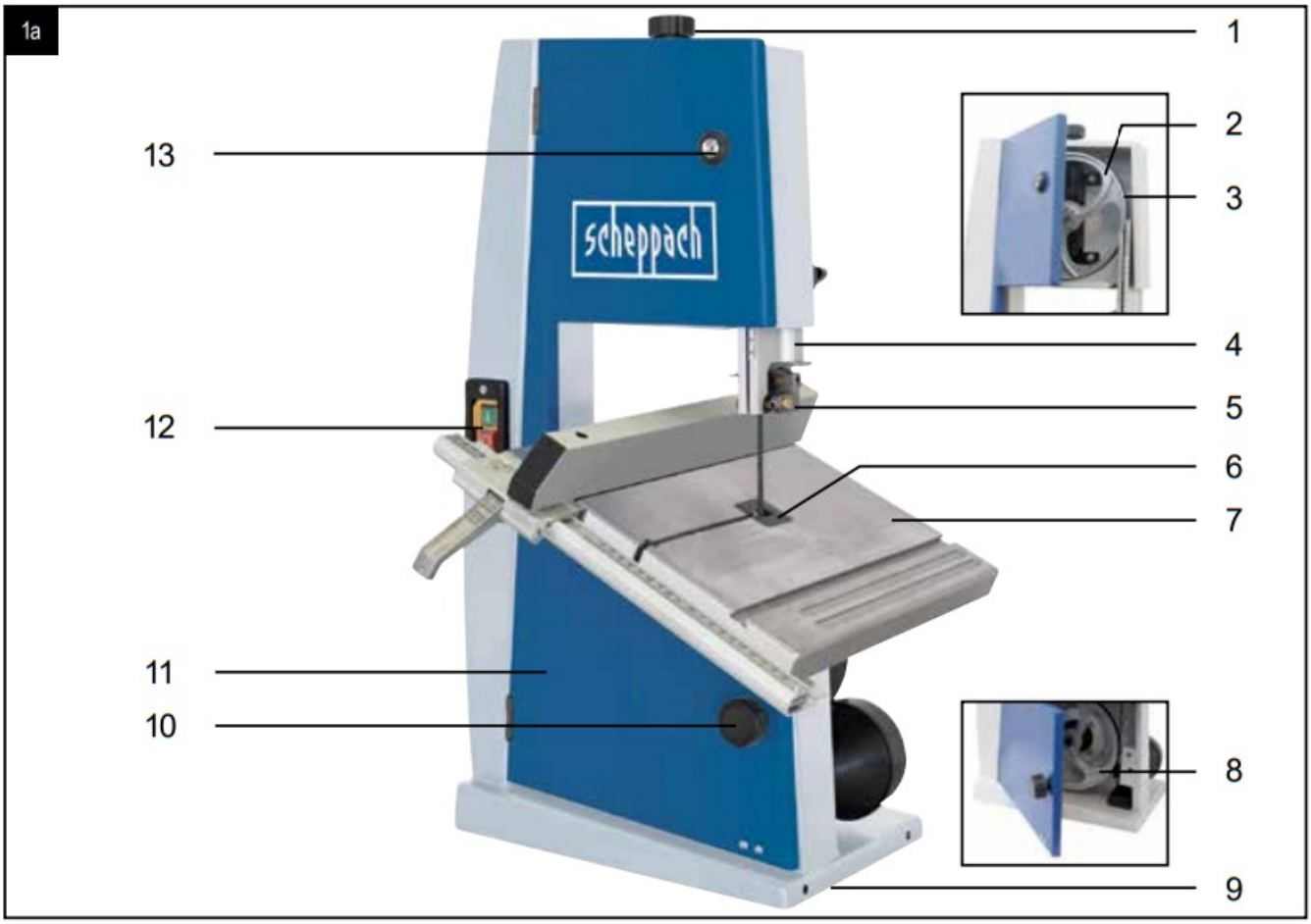
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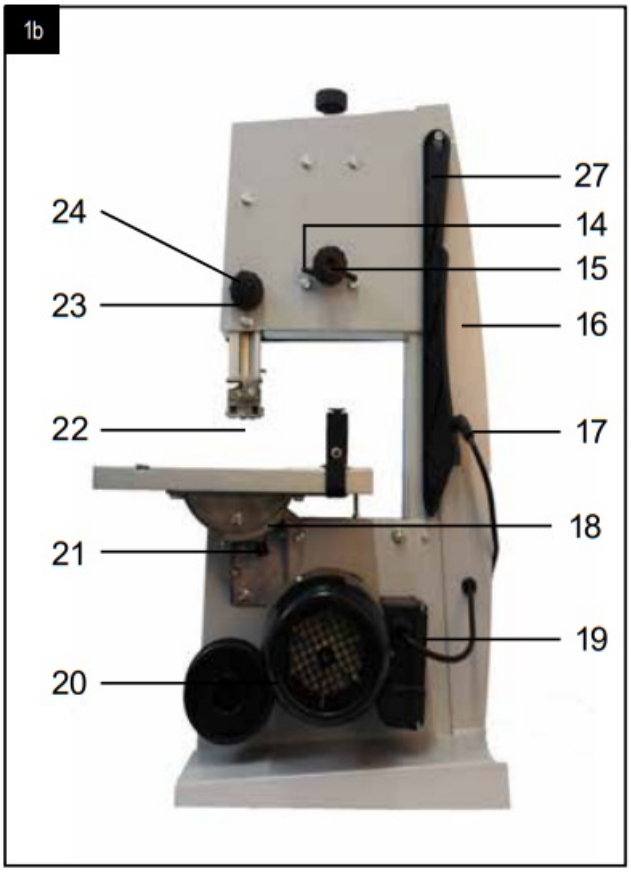
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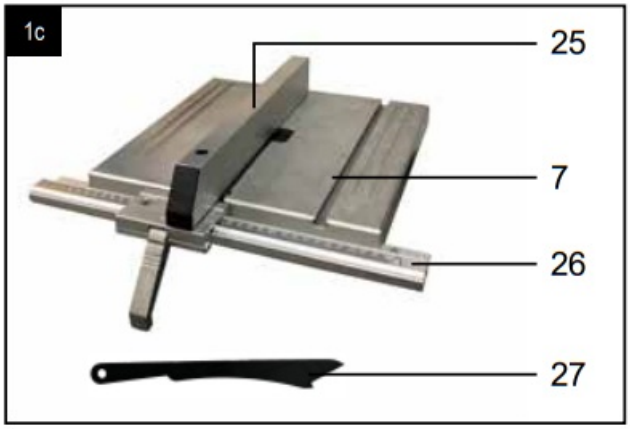
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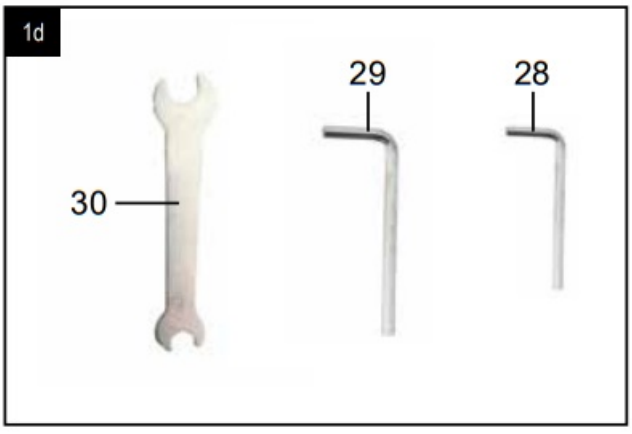
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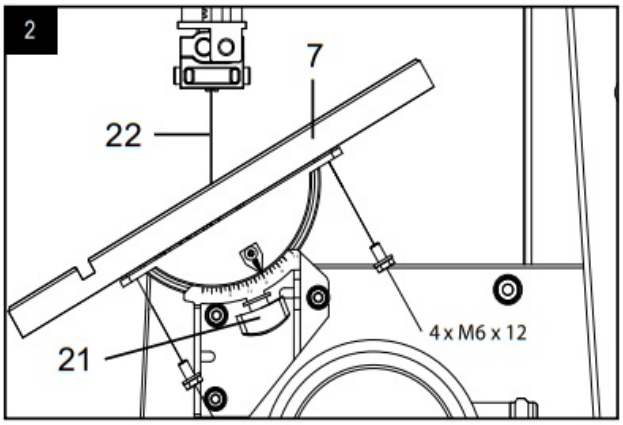
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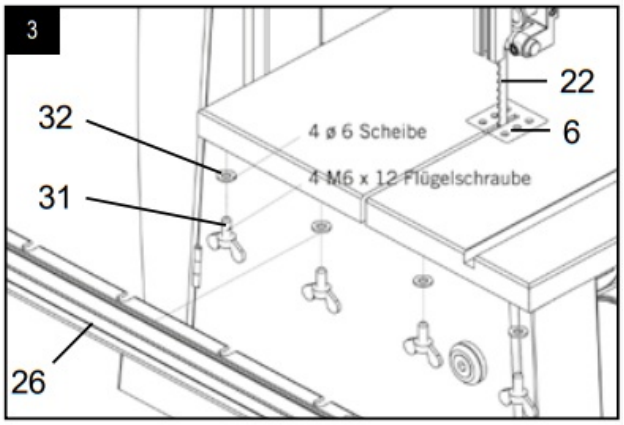
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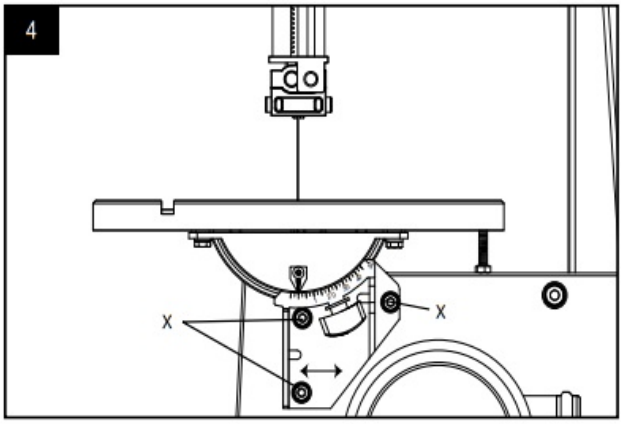
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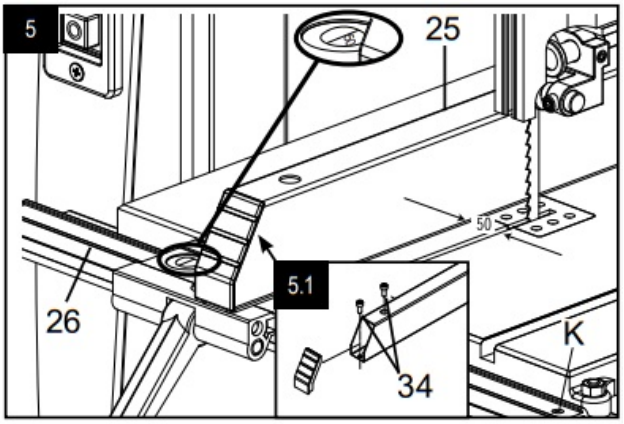
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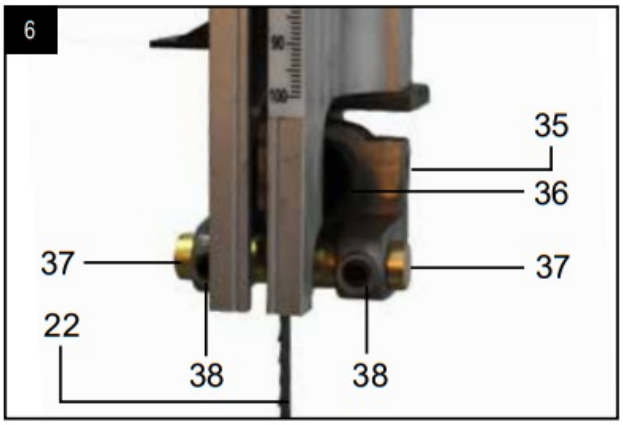
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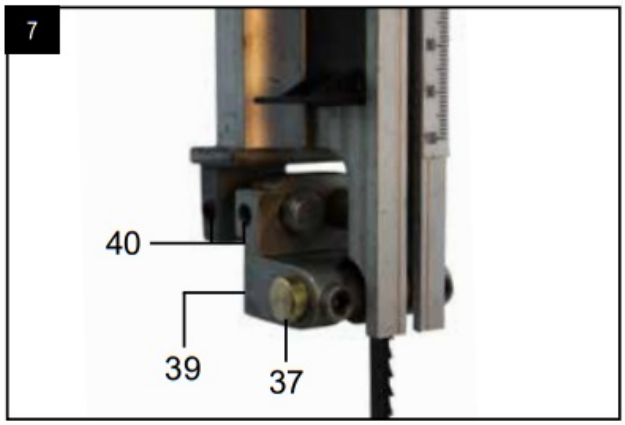
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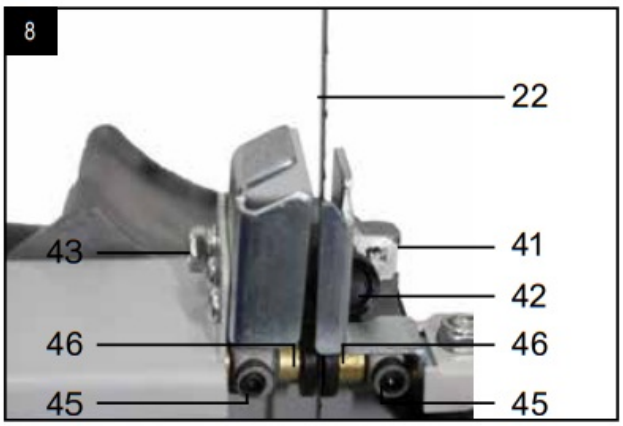
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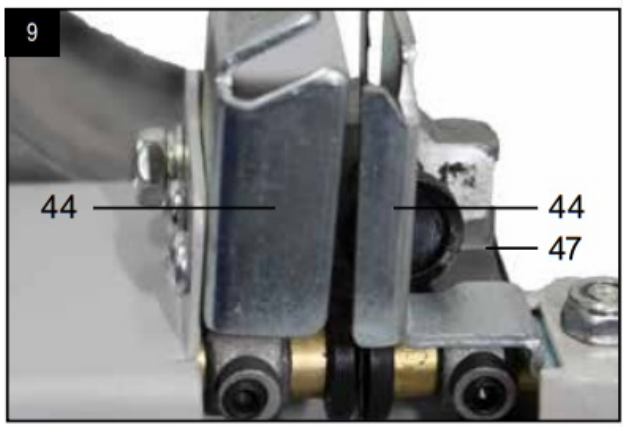
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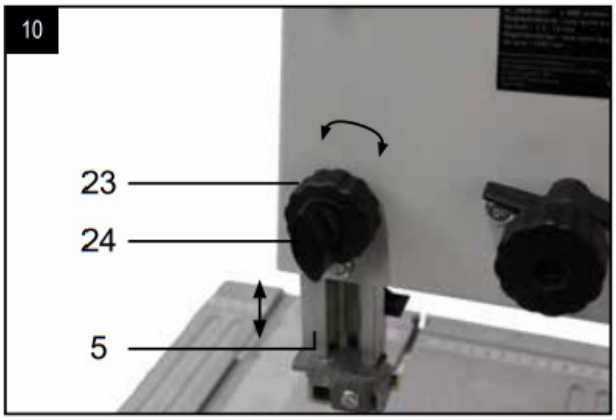

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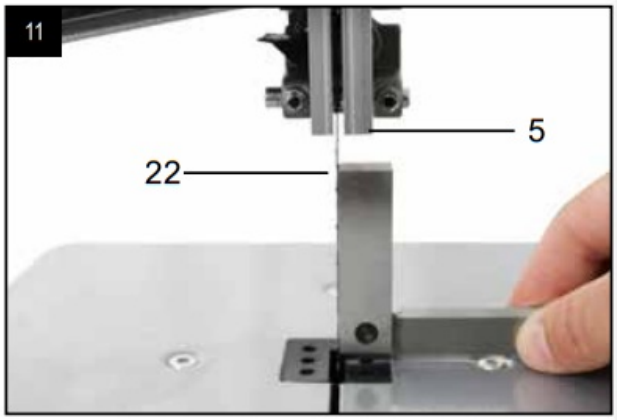

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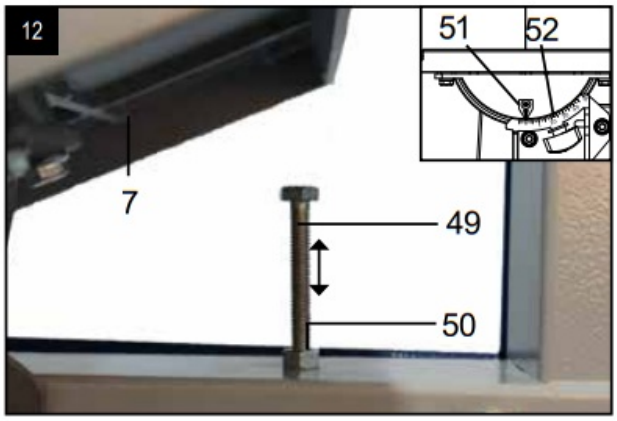

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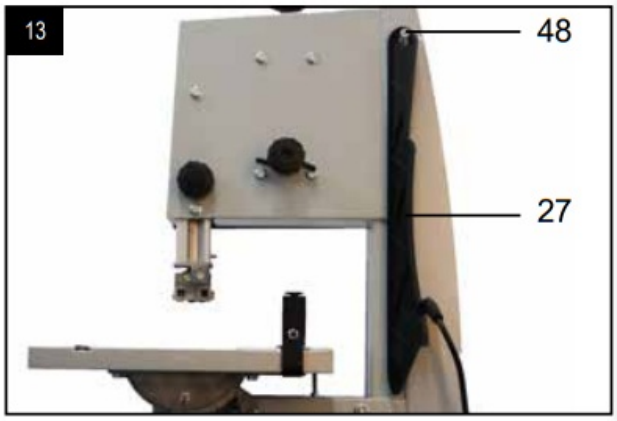

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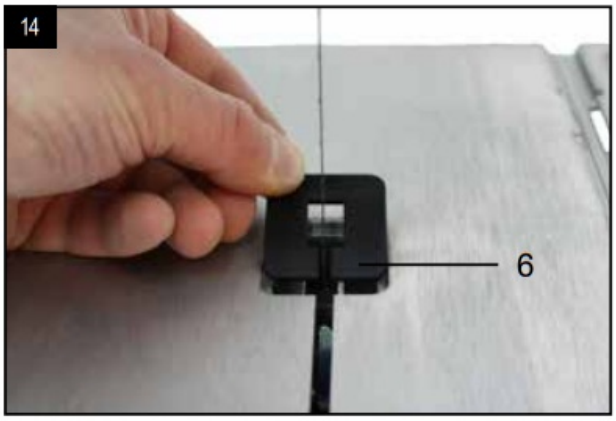

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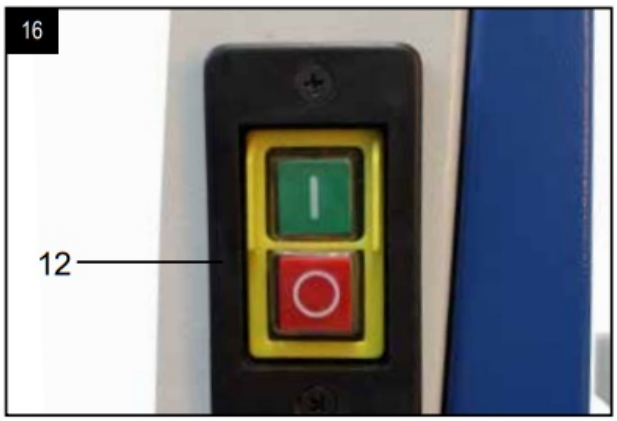

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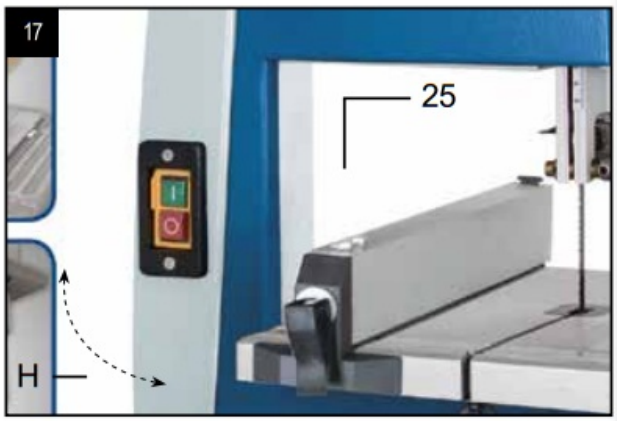

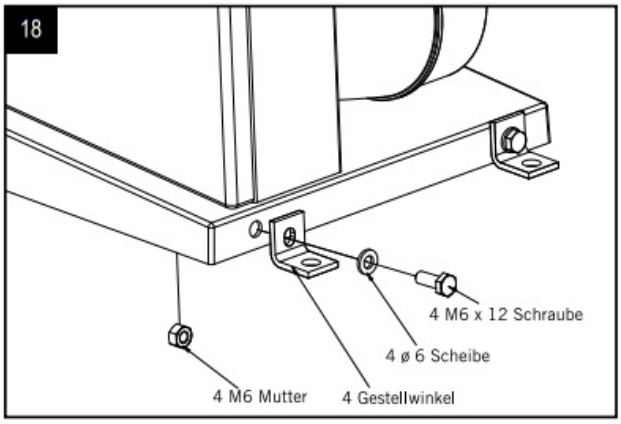

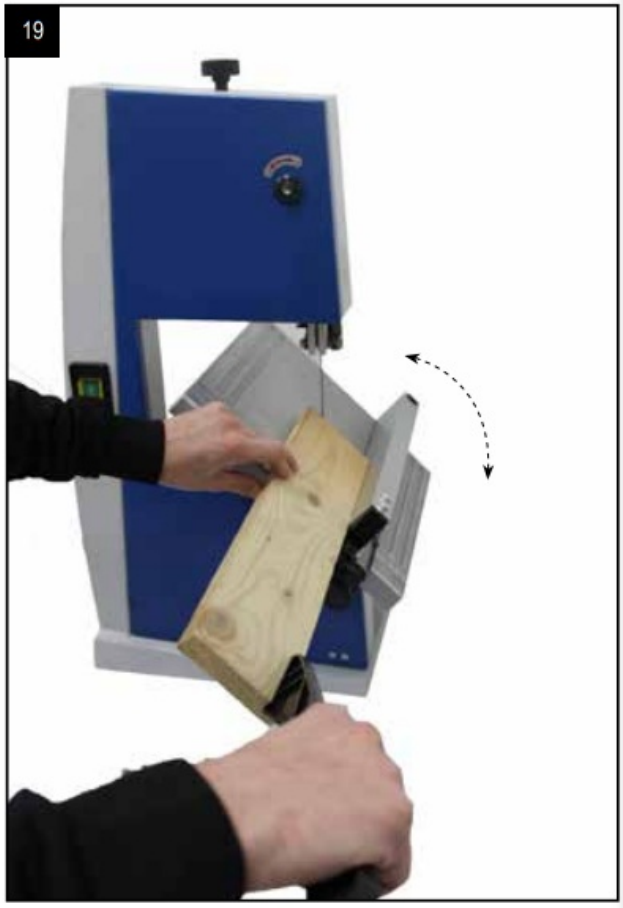

(Fig. 1-16)

1. Clamping screw

2. Top saw band roller
3. Rubber surface
4. Saw band guard
5. Top saw band guide
6. Table insert
7. Saw table
8. Bottom saw band roller
9. Foot
10. Cover locking mechanism (below)
11. Side cover
12. On/off switch
13. Cover locking mechanism (above)
14. Locking screw for top saw band roller
15. Set screw for top saw band roller
16. Machine frame
17. Mains cable
18. Swivel segment
19. Motor
20. Extraction nozzle
21. Locking handle for saw table
22. Bandsaw blade
23. Adjustment handle for saw band guide
24. Locking handle for saw band guide
25. Parallel stop
26. Guide rail for parallel stop
27. Push stick
28. 3 mm Allen key
29. 4 mm Allen key
30. Open-ended spanner
31. Wing screw (M6x12)
32. Washer (6mm)
33. Magnifying glass
34. Cylindrical screw
35. Allen screw for top support bearing
36. Top support bearing
37. Top guide roller
38. Allen screw for top guide roller
39. Retainer (top)
40. Allen screw top retainer (2x)
41. Allen screw bottom support bearing
42. Bottom support bearing
43. Screw bottom retainer
44. Saw band protection

45. Allen screw for bottom guide roller
46. Bottom guide roller
47. Retainer (bottom)
48. Push Stick retainer
49. Screw (saw table adjustment)
50. Nut (saw table adjustment)
51. Scale indicator
52. Degree scale

Scope of delivery

- Open the packaging and remove the device carefully.
- Remove the packaging material as well as the packaging and transport bracing (if available).
- Check that the delivery is complete.
- Check the device and accessory parts for transport damage.
- If possible, store thepackaging until the warranty periodhas expired.

ATTENTION!
The device and packaging materials are not toys! Children must not be allowed to play with plastic bags, film and small parts! There is a risk of swallowing and suffocation!

- Bandsaw / Bandsaw blade (pre-assembled)
- Saw table
- Push stick
- Parallel stop
- Guide rail for parallel stop
- Open-ended spanner, size 10/8
- Allen key, size 3/6
- Accessories kit
- Original operating instructions

Intended use

The bandsaw is designed to perform longitudinal and cross cuts on timber or wood-type materials.To cut round materials you must use suitable holding devices.
The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.
The machine is to be operated only with suitable saw blades. To use the machine properly you must also o serve the safety regulations, the assembly instructions and the operating instructions to be found in this manual.
All persons who use and service the machine have to be acquainted with this manual and must be informed about the machine’s potential hazards. It is also imperative to observe the accident prevention regulations in force in your area. The same applies for the general rules of occupational health and safety.
The manufacturer shall not be liable for any changes made to the machine nor for any damage resulting from such changes.
Even when the machine is used as prescribed it is still impossible to eliminate certain residual risk factors.
The following hazards may arise in connection with the machine’s construction and design:

- Damage to hearing if ear-muffs are not used as necessary.
- Harmful emissions of wood dust when used in closed rooms.
- Contact with the blade in the uncovered cutting zone.
- Injuries (cuts) when changing the blade.
- Injury from catapulted workpieces or parts of workpieces.
- Crushed fingers.
- Kickback.
- Tilting of the workpiece due to inadequate support.
- Touching the blade.
- Catapulting of pieces of timber and workpieces.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is usedin commercial, trade or industrial businesses or for equivalent purposes.

General safety information

ATTENTION! The following basic safety measures must be observed when using electric tools for protection against electric shock, and the risk of injury and fire. Read all these noticesbefore using the electric tool and keep the safety instructions for later reference.

Safe work

1. Keep the work area orderly
   – Disorder in the work area can lead to accidents.
2. Take environmental influences into account
   – Do not expose electric tools to rain.
   – Do not use electric tools in a damp or wet environment.
   – Make sure that the work area is well-illuminated.
   – Do not use electric tools where there is a risk of fire or explosion.
3. Protect yourself from electric shock –Avoid physical contact with earthed parts (e.g. pipes, radiators, electric ranges, cooling units).
4. Keep children away
   – Do not allow other persons to touch the equipment or cable, keep them away from your work area.
5. Securely store unused electric tools –Unused electric tools should be stored in a dry, elevated or closed location out of the reach of children.
6. Do not overload your electric tool
   –They work better and more safely in the specified output range.
7. Use the correct electric tool
   –Do not use low-output electric tools for heavy work.
   – Do not use the electric tool for purposes for which it is not intended. For example, do not use handheld circular saws for the cutting of branches or logs.
   –Do not use the electric tool to cut firewood.
8. Wear suitable clothing
   –Do not wear wide clothing or jewellery, which can become entangled in moving parts.
   – When working outdoors, anti-slip footwear is recommended.

– Tie long hair back in a hair net.

9. Use protective equipment

   – Wear protective goggles.

   –Wear a mask when carrying out dust-creating work.

10. Connect the dust extraction device if you will be processing wood, materials similar to wood, or plastics.

    – If connections for dust extraction and a collect- ing device are present, make sure that they are connected and used properly.

    – When processing wood, materials similar to wood, and plastics. Operation in enclosed spaces is only permitted with the use of a suitable extraction system.

11. Do not use the cable for purposes for which it is not intended

    —Do not use the cable to pull the plug out othe outlet. Protect the cable from heat, oil and sharp edges.

12. Secure the workpiece

    – Use the clamping devices or a vice to hold the workpiece in place. In this manner, it is held more securely than with your hand.

    –An additional support is necessary for long workpieces (table, trestle, etc.) in order to prevent the machine from tipping over.

    –Always press the workpiece firmly against the working plate and stop in order to prevent bouncing and twisting of the workpiece.

13. Avoid abnormal posture

    –Make sure that you have secure footing and always maintain your balance.

    – Avoid awkward hand positions in which a sudden slip could cause one or both hands to come into contact with the saw blade.

14. Take care of your tools

    – Keep cutting tools sharp and clean in order to be able to work better and more safely.

    – Follow the instructions for lubrication and for tool replacement.

    – Check the connection cable of the electric tool regularly and have it replaced by a recognised specialist when damaged.

    –Check extension cables regularly and replace them when damaged.

    –Keep the handle dry, clean and free of oil and grease.

15. Pull the plug out of the outlet

    –Never remove loose splinters, chips or jammed wood pieces from the running saw blade.

    – During non-use of the electric tool or prior to maintenance and when replacing tools such as saw blades, bits, milling heads.

    – When the saw blade is blocked due to abnormal feed force during cutting, turn the machine offand disconnect it from power supply. Remove the work piece and ensure that the saw blade runs free. Turn the machine on and start new cutting operation with reduced feed force.

16. Do not leave a tool key inserted

    –Before switching on, make sure that keys and adjusting tools are removed.

17. Avoid inadvertent starting –Make sure that the switch is switched off when plugging the plug into an outlet.

18. Use extension cables for outdoors

    –Only use approved and appropriately identified extension cables for use outdoors.

    –Only use cable reels in the unrolled state.

19. Remain attentive

    –Pay attention to what you are doing. Remain sensible when working. Do not use the electric tool when you

are distracted.

20. Check the electric tool for potential damage

    – Protective devices and other parts must be carefully inspected to ensure that they are fault- free and function as intended prior to continued use of the electric tool.

    – Check whether the moving parts function faultlessly and do not jam or whether parts are damaged.

    –All parts must be correctly mounted and all conditions must be fulfilled to ensure fault-free operation of the electric tool.

    –The moving protective hood may not be fixed in the open position.

    – Damaged protective devices and parts must be properly repaired or replaced by a recognised workshop, insofar as nothing different is specified in the operating manual.

    – Damaged switches must be replaced at a customer service workshop.

    –Do not use any faulty or damaged connection cables.

    –Do not use any electric tool on which the switch cannot be switched on and off.

21. **ATTENTION!**

    – The use of other insertion tools and other accessories can entail a risk of injury.

22. Have your electric tool repaired by a qualified electrician

    – This electric tool conforms to the applicable safety regulations. Repairs may only be performed by an electrician using original spare parts. Otherwise accidents can occur.

Additional safety instructions

- Wear safety gloves whenever you carry out any maintenance work on the blade!
- When cutting round or irregularly shaped wood, use a device to stop the workpiece from twisting.
- When cutting boards in upright position, use a device to prevent kick-back.
- A dust extraction system designed for an air velocity of 20 m/s should be connected in order to comply with woodworking dust emission values and to ensure reliable operation.
- Give these safety regulations to all persons who work on the machine.
- Do not use this saw to cut fire wood.
- The machine is equipped with a safety switch to prevent it being switched on again accidentally after a power failure.
- Before you use the machine for the first time, check that the voltage marked on the rating plate is the same as your mains voltage.
- If you use a cable reel, the complete cable has to be pulled off the reel.
- Persons working on the machine should not be distracted.
- Note the direction of rotation of the motor and blade.
- Never dismantle the machine's safety devices or put them out of operation.
- Never cut workpieces which are too small to hold securely in your hand.
- Never remove loose splinters, chips or jammed pieces of wood when the saw blade is running.
- It is imperative to observe the accident prevention regulations in force in your area as well as all other generally recognized rules of safety.
- Note the information published by your profession- al associations.
- Adjustable protective devices have to be adjusted as close as possible to the workpiece.
- Important! Support long workpieces (e.g. with a roller table) to prevent them sagging at the end of a cut.

- Make sure the blade guard (4) is in its lower position when the saw is being transported.
- Safety guards are not to be used to move or misuse the machine.
- Blades that are misshapen or damaged in any way must not be used.
- If the table insert is worn, replace it.
- Never operate the machine if either the door protecting the blade or the detachable safety device are open.
- Ensure that the choice of blade and the selected speed are suitable for the material to be cut.
- Do not begin cleaning the blade until it has come to a complete standstill.
- For straight cuts of small workpieces against the longitudinal limit stop the push stick has to be used.
- Wear gloves when handling the saw blade and rough materials
- The bandsaw blade guard should be in its lowest position close to the bench during transport.
- For miter cuts when the table is tilted, the parallel stop must be positioned on the lower part of the table.
- Never use guards to lift or transport items.
- Ensure that the bandsaw blade guards are used and correctly adjusted.
- Keep your hands a safety distance away from the bandsaw blade. Use a push stick for narrow cuts.
- The push stick has to be stored on the intended device, so that it can be reached from normal working position and is always ready to be used.
- In the normal operating position the operator is in front of the machine.

WARNING! This electric tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the electric tool.

Technical data

Electro motor	230 – 240V~ 50Hz
Power	300W
Revolutions n0	1400 min^{-1}
Saw band length	1490 mm
Saw band width	3,5-12 mm
Saw band width max.	12mm
Cutting speed	880 m/min
Passage height	0 – 100 mm
Passage width	195 mm
Table size	313×302×25 mm
Slewing range of the table	0° bis 45°
Max. size of the workpiece	0 x 400 x 80 mm
Overall weight	18 kg

Subject to technical modifications!
The work piece must have a minimum height of 3 mm and a minimum width of 10 mm.

The total noise values determined in accordance with EN 61029.

Sound pressure level LpA	86,0 dB(A)
Uncertainty KpA	3 dB
Sound power level LWA	74,8 dB(A)
Uncertainty KWA	3 dB

Wear hearing protection!

The effects of noise can cause a loss of hearing.
Keep the noise level and vibration to a minimum!

- Only use faultless devices.
- Maintain and clean the device at regular intervals.
- Adapt your working methods to the device.
- Do not overload the device.
- Have the device checked if necessary.
- Switch the device off if it is not in use.

Remaining hazards

The machine has been built using modern technology in accordance with recognized safety rules. Some remaining hazards, however, may still exist.

- Risk of injury for fingers and hands by the rotating saw band due to improper handling of the work piece. Risk of injury through the hurling work piece due to improper handling, such as working without the push stick.
- Risk of damaging your health due to wood dust and wood chips. Wear personal protective cloth such as goggles. Use a fitting dust extractor.
- Risk of injury due to defective saw band. Regularely check saw band for such defects.
- Risk of injury for fingers and hands while changing saw band. Wear proper gloves.
- Risk of injury due to starting saw band while switching on the machine.
- The use of incorrect or damaged mains cables can lead to injuries caused by electricity.
- Wear only closefitting clothes. Remove rings, bracelets and other jewelry.
- For the safety of long hair, wear a cap or hair net. Even when all safety measures are taken, some remaining hazards which are not yet evident may still be present.
- Remaining hazards can be minimized by following the instructions in „General safety instructions“ „Proper Use“ and in the entire operating manual.

Before starting the equipment

Make sure the machine stands securely, i.e. bolt it to a workbench or solid base. There are two holes for this purpose in the machine foot. (Fig. 17)

- The saw table must be mounted correctly.

- All covers and safety devices have to be properly fitted before the machine is switched on.
- It must be possible for the blade to run freely.
- When working with wood that has been processed before, watch out for foreign bodies such as nails or screws etc.
- Before you actuate the On/Off switch, make sure that the saw blade is correctly fitted and that the machine's moving parts run smoothly.
- Before you connect the machine to the power supply, make sure the data on the rating plate is the same as that for your mains.

Attachment

ATTENTION!
Before all maintenance, set-up and assembly work on the band saw, unplug the mains plug.

Assembly tools
1 Open-ended spanner, size 10/13
1 Allen key, size 3
1 Allen key, size 6
The saw table is not assembled for packaging reasons.

9.1. Assembling the saw table (Fig. 1-4)

- Open the side covers (11) by undoing the top (13) and bottom (10) cover locks. First unlock the top cover lock (13) with the help of the 6 mm Allen key (29) by turning this counter-clockwise. Then unlock the bottom cover lock (10) by unscrewing it counter-clockwise.
- Set the swivel section to 30° by loosening the saw table locking handle (21) (fig. 2).
- Guide the saw table (7) over the saw blade (22).
- Screw the saw table (7) to the swivel section (18) with 4 M6x12 hex screws. Do not fully tighten the screws.
- Swivel the saw table into the 0° position and tighten the saw table locking handle (21).
- Align the tabletop parallel to the saw blade. Tighten the 4 hex screws.
- Once adjustment is complete, close the side cover (11) again with the bottom (10) and top (13) cover locks in reverse order.
- Loosen the 3 hex nuts (X) ca. 2 turns and slide the swivel section with the mounted saw table. The saw band must run centrally in the table insert (6) (fig. 3). Then tighten the 3 hex. nuts (X) again (fig. 4).

9.2. Mounting the guide rail for the parallel stop (26) on the table (7) (Fig. 3)

- Screw in the 4 wing screws M6x12 (31), each with a flat washer (32), ca. 5 mm into the saw table (7).
- Insert the guide rail for the parallel stop (26) until it stops against the table.
- Then tighten the 4 wing nuts. 9.3. Adjusting the parallel stop (Fig. 5)
- Place the parallel stop (25) on the guide rail (26) for the parallel stop, to the left of the saw blade, and clamp it firmly in place (see 10.2).
  The parallel stop must now be parallel to the cut-out in the saw table (7). It can be corrected by loosening the cylindrical screws (34). A 4 mm Allen key (not included) is required for this. Remove the protective cap (Fig. 5.1).

9.3.1 Adjusting the scale (Fig. 5)
If necessary, the scale can be readjusted to the guide rail for the parallel stop.

- Place the longitudinal stop to the left of the saw blade, on the guide rail for the parallel stop.
- Measure 50 mm from the saw blade to the parallel stop. The graduation mark on the magnifying glass (33) should now be at 50 mm.
- If this is not the case, then loosen the Philips head screw (K) on the scale and set this to 50 mm. Tighten the Philips head screw again.

9.4. Tensioning the saw band (Fig. 1a)

ATTENTION! If the saw is at a standstill for an extended period the saw band tension must be relieved, i.e. before switching the saw on it is necessary to check the saw blade tension.

- Turn the clamping screw (1) clockwise to tension the Bandsaw blade (22). The correct tension of the saw band can be determined by pressing the finger laterally against the saw band, roughly centrally between the two saw band rollers (2+8). The Bandsaw blade (22) should only depress slightly (approx. 1-2 mm) here.
- The sufficiently tensioned saw band makes a metallic sound when tapped.
- Relieve the saw band tension if it is not in use for an extended time, so that it does not become overstretched.

ATTENTION! With high tension, the saw band may break. RISK OF INJURY! If the tension is too low, the driven saw band roller (8) may spin, resulting in the saw band coming to a standstill.

9.5 Adjusting the saw band (Fig. 1a+1b)

ATTENTION! Before it is possible to implement the saw band setting, the saw band must be tensioned correctly.

- Open the side covers (11) by undoing the top (13) and bottom (10) cover locks. First unlock the top cover lock (13) with the help of the 6 mm Allen key (28) by turning this counter-clockwise. Then unlock the bottom cover lock (10) by unscrewing it counter-clockwise.
- Slowly turn the saw band roller (2) clockwise. The Bandsaw blade (22) should run centrally on the saw band roller (2). If this is not the case, the angle of the top saw band roller (2) must be corrected.
- If the Bandsaw blade (22) runs more towards the rear edge of the saw band roller (2) then the set screw (15) must be rotated anticlockwise.
- Open the locking screw for the top saw band roller (14).
- Turn the bottom saw band roller (8) slowly by hand, to check the position of the Bandsaw blade (22).
- If the Bandsaw blade (22) runs more towards the front edge of the saw band roller (2) then the set screw (15) must be rotated clockwise.
- After setting the top saw band roller (2), check the position of the Bandsaw blade (22) on the bottom saw band roller (8). The Bandsaw blade (22) should also lie centrally on the saw band roller (8) here. If this is not the case, the angle of the top saw band roller (2) must be adjusted again.
- Turn the saw band roller a few times, until the adjustment of the top saw band roller (2) acts on the saw band position on the bottom saw band roller (8).
- Tighten the locking screw for the top saw band roller (14).
- Once adjustment is complete, close the side cover (11) again with the bottom (10) and top (13) cover locks in

reverse order.

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9.6. Adjusting the saw band guide (Fig. 6-9)
Both the support bearing (36 + 42) and the guide pins (37 + 46) must be readjusted after every saw band change.

- Open the side covers (11) by undoing the cover locking mechanisms (10) with the help of the screwdriver (29).

9.6.1. Top support bearing (36) (Fig. 6)

- Undo Allen screw for top support bearing (35).
- Move support bearing (36) sufficiently far that it just no longer touches the Bandsaw blade (22) (distance max. 0.5 mm).
- Retighten the Allen screw for the top support bearing (35).

9.6.2. Adjusting the bottom support bearing (42) (Fig. 8)

- Disassemble the saw table as per 9.1 in the opposite direction.
- Undo Allen screw for bottom support bearing (41).
- Move bottom support bearing (42) sufficiently far that it just no longer touches the Bandsaw blade (22) (distance max. 0.5 mm).
- Retighten Allen screw for bottom support bearing (41).

9.6.3. Adjusting the top guide rollers (37) (Fig. 6+7)

- Undo Allen screws for top retainer (40)
- Move top retainer (39), top guide rollers (37), until the front edge of the guide rollers (37) is approx. 1 mm behind the tooth base of the saw band.
- Retighten Allen screws for top retainer (40).
- Slide the guide rollers (37) in the direction of the saw band! Important note! The distance between the guide rollers (37) and saw band (22) must not exceed 0.5 mm. (Saw band must not jam)
- Retighten Allen screws (38).
- Turn the top saw band roller (2) a few times in a clockwise direction.
- Check the setting of the top guide rollers (38) again and adjust if necessary.
- If necessary, adjust the top support bearing (36) (9.4.1).

9.6.4. Adjusting the bottom guide pins (46) (Fig. 8+9)

- Disassemble saw table (7)
- Undo screw for bottom retainer (43) (Open-ended spanner, size 10)
- Move bottom retainer (47), bottom guide rollers (46), until the front edge of the bottom guide rollers (46) is approx.
  1 mm behind the tooth 0000 ase of the saw band.
- Retighten screw for bottom retainer (43).

- Undo Allen screws for bottom guide rollers (45).
- Slide the two bottom guide rollers (46) sufficiently far in the direction of the saw band that the distance between the guide rollers (46) and saw band (22) is max.
  0.5 mm. (Saw band must not jam)
- Retighten Allen screws for bottom guide rollers (45).
- Turn the bottom saw band roller (8) a few times in a clockwise direction.
- Check the setting of the bottom guide rollers (46) again and adjust if necessary.
- If necessary, adjust the bottom support bearing (42) (9.4.2).

9.7. Adjusting the top saw band guide (5) (Fig. 10)

- Undo locking handle for saw band guide (24).
- Turn the adjustment handle for the saw band guide (23) to lower the saw band guide (5) as closely as possible (distance approx. 2-3 mm) over the material to be cut.
- Retighten locking handle (24).
- Check the setting before every cutting process and adjust if necessary.

9.8. Adjusting the saw table (7) to 90° (Fig. 11+12)

- Set the top saw blade guide (5) fully upwards.
- Loosen the locking handle for the saw table (21) by turning counter-clockwise.
- Place the angle bracket between the Bandsaw blade (22) and saw table (7). Angle bracket not included in the scope of supply.
- Tilt the saw table (7) by turning, until the angle to the Bandsaw blade (22) is precisely 90°. If the saw table is already on the screw (49) and a 90° angle cannot be set, undo the nut (50) and shorten the screw (49) by turning in a clockwise direction.
- Tighten the locking handle for the saw table (21) again by turning clockwise.
- Also undo the nut (50).
- Adjust the screw (49) sufficiently that the saw table touches the underside.
- Retighten the nut (50) to fix the screw (49) in position.
- If necessary, set the scale pointer (51) to 0° on the graduated scale (52). (Fig. 11)

9.9. Which saw band to use
The saw band supplied in the band saw is intended for universal use. The following criteria should be considered when selecting the saw band:

- It is possible to cut tighter radii with a narrow saw band than with a wide saw band.
- A wide saw band is used if a straight cut is required. This is important in particular when cutting wood. Thesaw band has a tendency to follow the wood grain and therefore deviates easily from the desired cutting line.
- Fine-toothed saw bands cut more smoothly, but also more slowly than coarse saw bands.
  ATTENTION: Never use bent or torn saw bands!

9.10. Replacing the saw band (Fig. 1a+1b+3+15)

- Set the saw band guide (5) at approx. half height between the saw table (7) and machine frame (16).
- Undo the cover locking mechanisms (10+13) and open the side covers (11).
- Remove the guide rail for the parallel stop (26) in reverse order (see 9.2)
- Relieve the Bandsaw blade (22) tension by turning the clamping screw (1) anti-clockwise.
- Remove the Bandsaw blade (22) from the saw band rollers (2+8) and through the slot in the saw table (7).
- Place the new Bandsaw blade (22) centrally on both saw band rollers (2+8). The teeth of the Band- saw blade (22) must point downwards in the direc- tion of the saw table (Fig. 6).
- Tension the Bandsaw blade (22) (see 9.4)
- Close the side cover (11) again.
- Then fit the guide rail for the parallel stop again (per 9.2).

9.11. Replacing the table insert (Fig. 14)
In case of wear or damage, the table insert (6) must be replaced; otherwise there is an increased risk of injury.

- Remove the worn table insert (6) by lifting it up and out.
- Installation of the new table insert takes place in reverse order.

9.12. Extraction nozzle (Fig. 1b)

The band saw is equipped with an extraction nozzle (20) 100/40 mm for chips.
Only operate the device with a suitable extraction system. Check and clean the suction channels at regular intervals.
9.13. Push Stick retainer (Fig. 13)
The Push Stick retainer (48) is pre-mounted on the machine frame. If unused, the Push stick (27) must always be stowed in the Push Stick retainer.

Operation

10.1 On/Off switch (12) (Fig. 16)

- To turn the machine on, press the green button „I“.
- To turn the machine off again, press the red button „0“.
- The band saw is equipped with an undervoltage switch. With a power failure, the band saw must be switched back on again.

10.2. Parallel stop (Fig. 17)

- Press the clamping bar (H) of the parallel stop (25) upwards
- Position the parallel stop (25) to the left or right ofthe saw blade (22) on the guide rail for the parallel stop and set to the desired measurement.
- Press the clamping bar (H) down to fix the parallel stop (25) in place.
- Make sure that the parallel stop (25) always runs parallel to the Bandsaw blade (22).

10.3. Angled cuts (Fig. 2+12+19)
In order to execute angled cuts parallel to the Bandsaw blade (22), it is possible to tilt the saw bench (7) forwards from 0° – 45°.

- Loosen the locking handle for saw table (21).
- Tilt saw bench (7) forwards, until the desired angle is set on the degree scale (52).
- Retighten locking handle (21).

ATTENTION: With a tilted saw table (7), the paral- lel stop (25) must always be fitted to the right of the Bandsaw blade (22) in the working direction. This prevents the workpiece from slipping.

Working instructions

The following recommendations are examples of the safe use of band saws.
The following safe working methods should be seen as an aid to safety. They cannot be applied suitably completely or comprehensively to every use. They cannot treat every possible dangerous condition and must be interpreted carefully.

- Connect the machine to a suction unit when working in closed rooms.
  A suction device which conforms with commercial regulations must be used for suction in commercial areas.
- Loosen the sawband when the machine is not in operation (e.g. after finishing work). Attach a notice on the tension of the saw band to the machine for the next user.
- Collect unused sawbands and store them safely in a dry place. Check for faults (teeth, cracks) before use. Do not use faulty sawbands!
- Wear suitable gloves when handling sawbands.
- All protective and safety devices must be securely mounted on the machine before beginning work.
- Never clean the sawband or the sawband guide with a hand-held brush or scraper while the sawband is running. Resin-covered sawbands impair working safety and must be cleaned regularly.
- For your own protection, wear protective glasses and hearing protection. Wear a hairnet if you have long hair. Roll up loose sleeves over the elbows.
- Always position the sawband guide as near the workpiece as possible when working.
- Insure sufficient lighting in the work area and around the machine.
- Always use the fence for straight cuts to keep the workpiece from tipping or slipping away.
- When working on narrow workpieces with manual feed, use the push stick.
- For diagonal cuts, place the saw bench in the appropriate position and guide the workpiece on the fence.
- In order to cut dovetail tenons and teeth or wedges, bring the saw table into the corresponding position on the angle scale.
- For arced and irregular cuts, push the workpiece evenly using both hands with the fingers together. Hold the workpiece with your hands on a safe area.
- Use a pattern for repeated arced or irregular cuts.
- Insure that the workpiece does not roll when cutting round pieces.

Attention! After every new setting, we recommend performing a test cut, in order to check the dimensional settings.

- With all cutting processes, the top saw band guide (5) must be positioned as close as possible to the workpiece (see 9.5).
- The workpiece must always be guided with both hands and kept flat against the saw table (7). This prevents the Bandsaw blade (22) from jamming.

- Forward feeding should always take place with an even pressure, which is just sufficient for the saw band to cut through the material with ease without becoming blocked.
- Always use the parallel stop (25) for all cutting processes that it can be used for.
- It is better to perform a cut in a single working step than in multiple steps, which may require that the workpiece be drawn back. However, if it is not possible to avoid drawing the workpiece back then the band saw must be switched off first. Only draw the workpiece back once the bandsaw blade (22) has come to a standstill.
- When sawing, the workpiece must always be guid- ed by its longest side.

ATTENTION! When processing narrower workpieces it is essential to use a Push stick. The Push stick (27) must always be stored within reach, on the Push Stick retainer (48) provided for this purpose on the side of the saw.

11.1 Performing longitudinal cuts (Fig. 20)
Here, a workpiece is cut in its longitudinal direction.

- Position the longitudinal fence (25) on the left side (if possible) of the Bandsaw blade (22), in accordance with the desired width.
- Lower the saw band guide (5) onto the workpiece (9.5).
- Switch on the saw (see 10.1).
- Press one edge of the workpiece against the longitudinal fence (25) with the right hand, whilst the flat side lies on the saw bench (7).
- Slide the workpiece at an even feed rate along the longitudinal fence (25) into the Bandsaw blade (22).
- Important: Long workpieces must be secured against tipping at the end of the cutting process (e.g. with reel-off stand, etc.)

11.2 Performing angled cuts (Fig. 19)

- Set saw bench to desired angle (see „Angled cuts“).
- Perform the cut as described under „11.1“.
  When producing angled cuts, only use the parallel stop to the right of the saw band.

11.3 Freehand cuts (Fig. 21)

One of the most important features of a band saw is the ease with which it can cut curves and radii.

- Lower the saw band guide (5) onto the workpiece (see 9.5).
- Switch on the saw.
- Press the workpiece firmly onto the saw bench (7) and slowly slide into the Bandsaw blade (22).
- In many cases it is helpful to roughly saw curves and corners approximately 6 mm from the line.
- If it is necessary to saw curves that are too tight for the saw band used, auxiliary cuts must be sawn up to the front face of the curve, so that these fall off as wood waste when the final radius is sawn.

Transport

The machine must only be lifted and transported on its frame or the frame plate. Never lift the machine at the safety devices, the adjusting levers, or the sawing table.

During the transport the saw blade protection must be in the lowest position and near the table.
Never raise at the table! Unplug the machine from the mains during transport.

Cleaning and maintenance

- Fissures caused by the ageing of the insulation.

  Such defective electric connection lines must not be used and are hazardous due to the insulation damages.

  WARNING! Prior to any adjustment, maintenan

Cleaning
Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
We recommend that you clean the device immediately each time you have finished using it.

Maintenance
There are no parts inside the equipment which require additional maintenance.
Service information
Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.
Wear parts*: Bandsaw blade, Table insert, Push stick
* Not necessarily included in the scope of delivery!

Storage

Store the device and its accessories in a dark, dry and frost-proof place that is inaccessible to children.
The optimum storage temperature is between 5 and 30˚C.
Store the power tool in original packaging.
Cover the electrical tool in order to protect it from dust and moisture.
Store the operating manual with the electrical tool.

Electrical Connection

The installed electric motor is connected and is ready to work. The connection complies with the relevant VDE and DIN regulations. The customer-side mains supply and the used extension line must meet these regulations.
Important information
In the event of an overloading the motor will switch itself off. After a cool-down period (time varies) the motor can be switched back on again.
Defective Electric Connection Lines
Often, insulation damages occur on electrical connection lines. Causes are:

- Drag marks if connection lines are led through window or door clearances.
- Kinks due to improper attachment or routing of the connection line.
- Cuts caused by running over the connection line.
- Insulation damages caused by pulling the connection line out of the wall socket.
- Fissures caused by the ageing of the insulation. Such defective electric connection lines must not be used and are hazardous due to the insulation damages.

Regularly check the electrical connection lines for damages. Please make sure that the connection lines are disconnected from the mains supply during the check.
Electrical connection lines must comply with the rel- evant VDE and DIN regulations. Only use connection lines labelled with H05VV-F.

The labelling of the connection cable with the type specification is required.

AC motor

- The mains voltage must be 230 – 240 V~
- Extension cables up to 25 m long must have a cross-section of 1.5 mm 2.

  Connections and repairs of electrical equipment may only be carried out by an electrician.

  Please provide the following information in the event of any enquiries:
- Type of current for the motor
- Machine data – type plate
- Motor data – type plate

Disposal and recycling

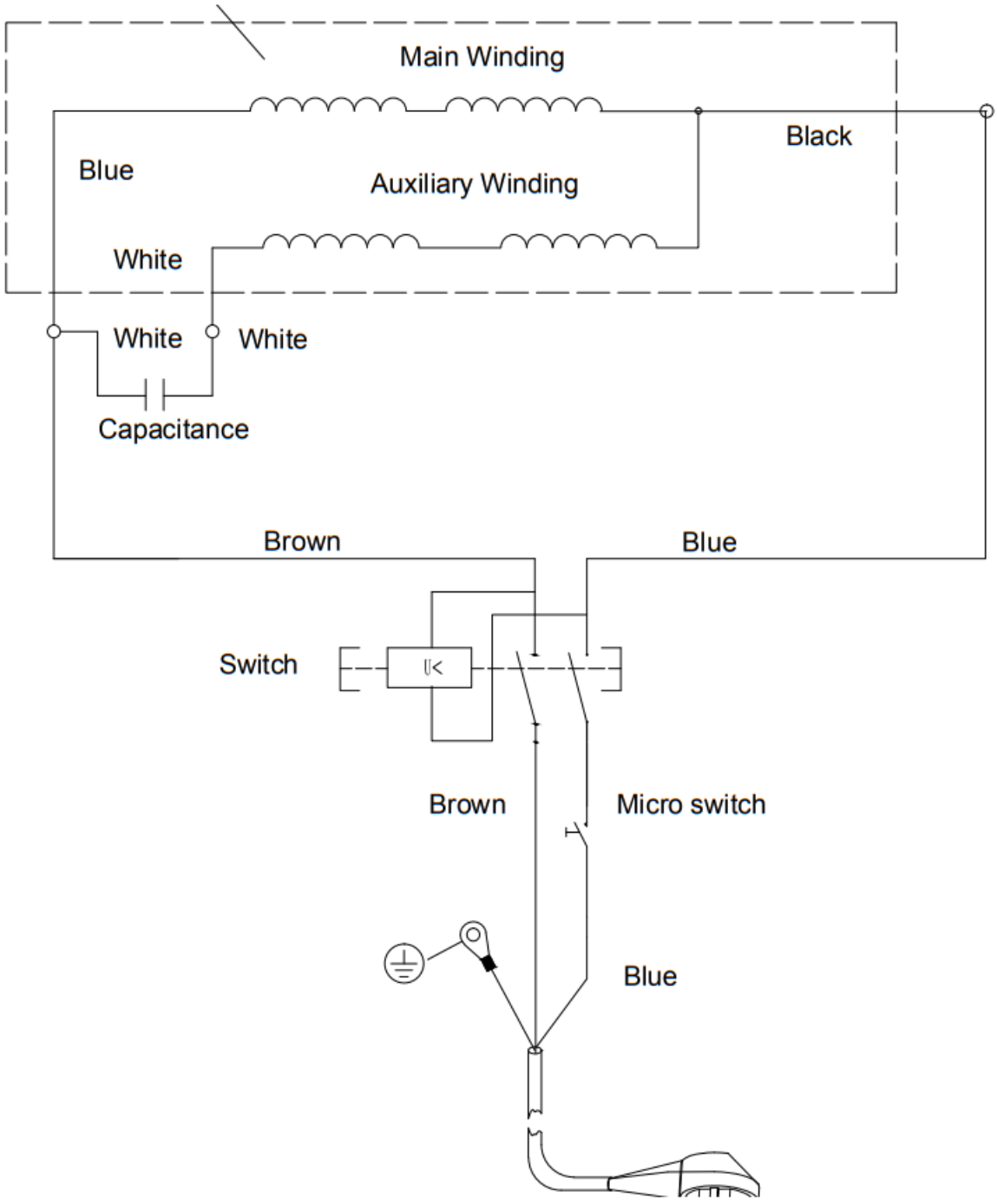
Disposing of transport packaging
The packaging protects the machine from damage during transport. The packaging material is usually chosen for factors of environmental friendliness and disposal. It can therefore be recycled. Returning the packaging to the material life cycle saves raw material
andreduceswaste.
Packaging parts (e.g. plastic sheets, Styropor®) can be dangerous for children. Risk of choking! Store packaging parts beyond the reach of children and dispose of them as soon as possible.

Old devices must not be disposed of with household waste!

This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive (2012/19/EU) pertaining to waste electrical and electronic equipment (WEEE). This product must be disposed of at a designated collection point. This can occur, for example, by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Improper handling of waste equipment may have negative consequences for the environment and human health due to potentially hazardous substances that are often contained in electrical and electronic equipment. By properly disposing of this product, you are also contributing to the effective use of natural resources. You can obtain information on collection points for waste equipment from your municipal administration, public waste disposal authority, an authorised body for the disposal of waste electrical and electronic equipment or your waste disposal company.

Troubleshooting

Problem	Possible cause	Help
Motor does not work	Motor, cable or plug defective, fuses bur nt Housing cover open (limit switch)	Arrange for inspection of the machine by a specialist. Never repair the motor yourself. Danger! Check fuses and replace as nece ssary Close housing cover exactly
The motor starts up slowly and does not rea ch operating speed.	Voltage too low, coils damaged, capacitor burnt	Contact the utility provider to check the vol t-age. Arrange for inspection of the motor by a specialist. Arrange for replacement of the capacitor by a specialist
Motor makes excessive noise	Coils damaged, motor defective	Arrange for inspection of the motor by a s pecialist
The motor does not rea ch its full power.	Circuits in the network are overloaded (l amps other motors, etc.)	Do not use any other equipment or motors on the same circuit
Motor overheats easily.	Overloading of the motor, insufficient co ol- ing of the motor	Avoid overloading the motor while cutting, remove dust from the motor in order to en sure optimal cooling of the motor
Saw cut is rough or wav y	Saw blade dull, tooth shape not appropriate for the material thickness	Resharpen saw blade and/or use suitable saw blade
Workpiece pulls away a nd/or splinters	Excessive cutting pressure and/or saw b lade not suitable for use	Insert suitable saw blade
Saw blade is not runnin g straight	Guide has been wrongly set Wrong saw blade	Set the saw blade guide according to the operating instructions Select a saw blade according to the operating instructions
Burn marks appear on t he wood during the cutti ng work	Blunt saw blade Wrong saw blade	Change the saw blade Select a saw blade according to the operating instructions
Saw blade jams during cutting work	Blunt saw blade Deposits on the saw blade Guide has been set poorly	Change the saw blade Clean the saw blade Set the saw blade guide according to the operating instructions


Main Winding
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Auxiliary Winding
White
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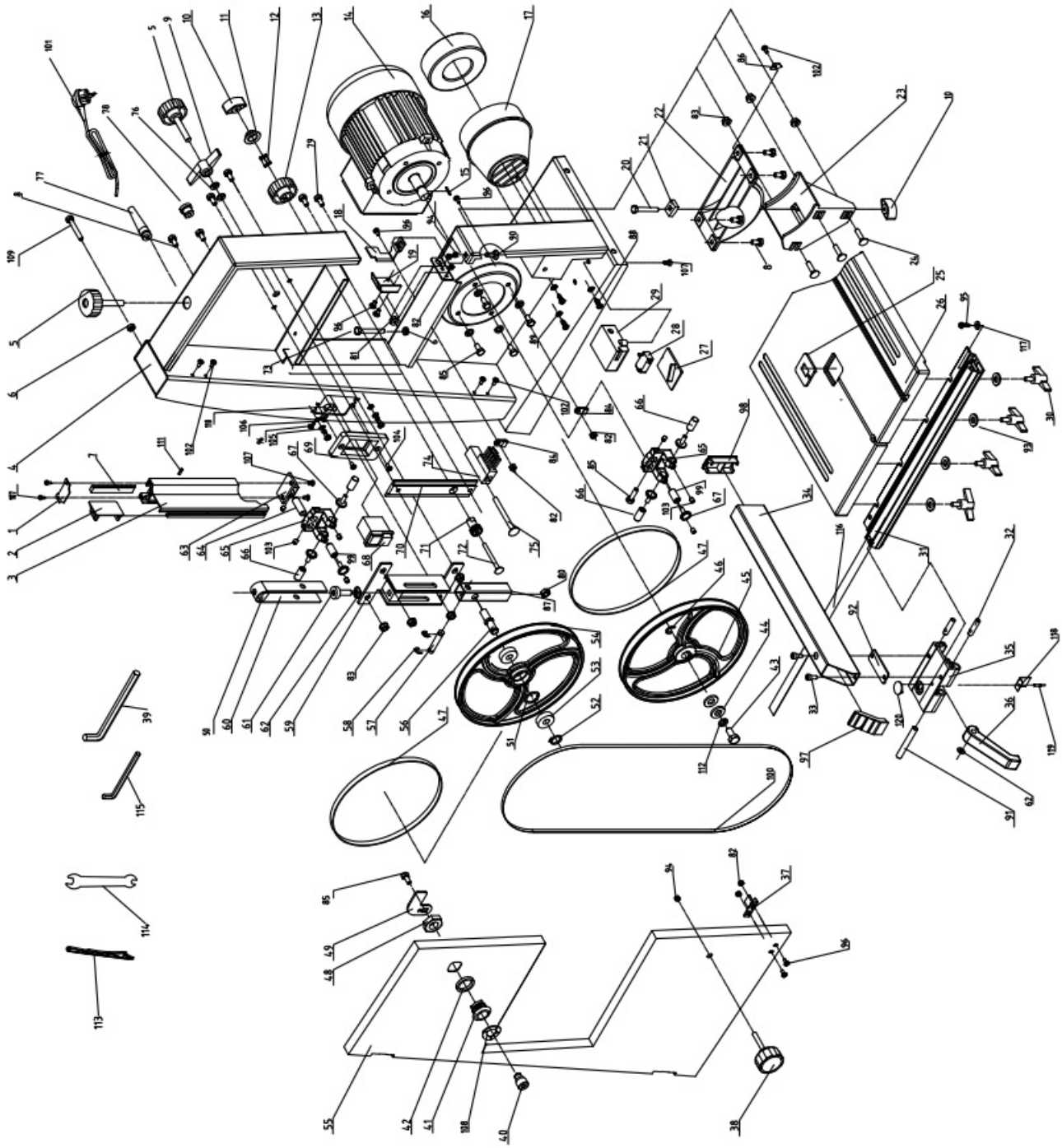
Capacitance
Brown
Blue
Switch
Brown
Micro switch
Blue



CE Declaration of Conformity

hereby declares the following conformity under the EU Directive and standards for the following article

Marke / Brand:
Art.-Bezeichnung / Article name:
Art.-№ / Art. no.:
SCHEPPACH

BANDSAGE – BASA1
BAND SAW – BASA1
SCIE A RUBAN – BASA1
1901501901

2014/29/EU	2004/22/EC	89/686/EC_96/58/EC	2000/14/EC_2005/88/EC
2014/35/EU	2014/68/EU	90/396/EC	
X 2014/30/EU	X 2011/65/EU*		

X 2006/42/EC

Annex IV
Notified Body: TÜV Rheinland LGA Products
Notified Body No.: 0197
Certificate No.: BM 50331328 0001

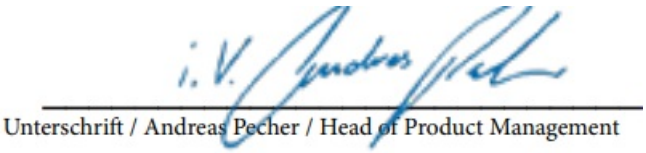
2000/14/EC_2005/88/EC

Annex V
Annex VI
Noise: measured LWA = xx dB(A); guaranteed LWA = xx dB(A)
P = xx KW; L/Ø = cm
Notified Body:
Notified Body No.:
2010/26/EC
Emission. No:

Standard references:

EN 61029-1:2009+A11, EN 61029-2-5:2011+A11;
EN 55014-1:2017; EN 55014-2:2015; EN IEC 61000-3-2:2019;
EN 61000-3-3:2013+A1
This declaration of conformity is issued under the sole responsibility of the manufacturer.
The object of the declaration described above fulfils the regulations of the directive 2011/65/EU of the European Parliament and Council from 8th June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Ichenhausen, den 16.09.2020



Unterschrift / Andreas Pecher / Head of Product Management

First CE: 2016 Subject to change without notice	Documents registar: Sebastian Katzer Günzburger Str. 69, D-89335 Ichenhausen

scheppach Fabrikation von Holzbearbeitungsmaschinen
GmbH | Günzburger Str. 69
D-89335 Ichenhausen
www.scheppach.com

Documents / Resources

	scheppach BASA1 Bench Top Bandsaw [pdf] Instruction Manual BASA1 Bench Top Bandsaw, BASA1, Bench Top Bandsaw, Top Bandsaw, Bandsaw

References

- scheppach | scheppach
- User Manual