

# Bäumr-AG®

## BTB50 TABLE SAW



## User Manual

[Revision 1.0]

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READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

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# Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be **KILLED** or **SERIOUSLY INJURED** if you do not follow instructions.



You **CAN** be **KILLED** or **SERIOUSLY INJURED** if you do not follow instructions.



You **CAN** be **INJURED** if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

## General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

## General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

## General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well-ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

## General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines **OUTSIDE** only, and far away from windows, doors, and vents.

## General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

### General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

### General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

### General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

### Child Choking Hazard!



• **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**

- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

### HAZARDOUS COMPONENTS!

- **BE AWARE THAT THE EQUIPMENT MAY INCLUDE HAZARDOUS COMPONENTS, SUCH AS BLADES, HOT SURFACES AND MOVING PARTS.**
- **MOVING BLADES CAN CAUSE SERIOUS INJURY AND EVEN DEATH IF USED IMPROPERLY OR WITHOUT SUFFICIENT PPE.**
- **DO NOT USE THIS EQUIPMENT ON UNEVEN SURFACES AND ALWAYS MAINTAIN GOOD BALANCE WHEN USING THIS EQUIPMENT. FAILURE TO DO SO MAY CAUSE SERIOUS INJURY.**
- **MAINTAIN A SECURE GRIP OF THE TRIGGER ASSEMBLY AT ALL TIMES.**

### General Tool Usage Safety

- **CAUTION – READ THE OPERATING INSTRUCTIONS TO REDUCE THE RISK OF INJURY.**
- Wear ear muffs. Exposure to noise can cause damage to hearing.
- Wear a breathing mask. Dust harmful to health can be generated when working on wood and other materials. Never use the device on materials containing asbestos!
- Wear safety goggles. Sparks generated during operation, or splinters, chips, and dust emitted by the device, can cause eye injury or loss of sight.
- **Important.** Risk of injury! Do not reach into the running saw blade.
- **Important!** When using the equipment, certain safety precautions must be followed to avoid injuries and damage. Please read the complete operating instructions and safety regulations carefully. Keep this manual in a safe place so that the information is available at all times. If you pass the equipment to another person, also hand over these operating instructions and safety regulations. We cannot accept any liability for damage or accidents resulting from failure to follow these instructions and safety guidelines.

### General Safety

- **KEEP THE WORK AREA ORDERLY**
  - Disorder in the work area can lead to accidents.
- **TAKE ENVIRONMENTAL INFLUENCES INTO ACCOUNT**
  - Do not expose electric tools to rain.
  - Do not use electric tools in a damp or wet environment.
  - Ensure the work area is well illuminated.
  - Do not use electric tools where there is a risk of fire or explosion.

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- **PROTECT YOURSELF FROM ELECTRIC SHOCK**
  - Avoid physical contact with earthed parts (e.g. pipes, radiators, electric stoves, cooling units).
- **KEEP CHILDREN AWAY**
  - Do not allow others to touch the equipment or cable. Keep them away from your work area.
- **STORE UNUSED ELECTRIC TOOLS SECURELY**
  - Unused electric tools should be stored in a dry, elevated, or enclosed location out of reach of children.
- **DO NOT OVERLOAD YOUR ELECTRIC TOOL**
  - They work better and more safely within the specified output range.
- **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 cutting branches or logs.
  - Do not use the electric tool to cut firewood.
- **WEAR SUITABLE CLOTHING**
  - Do not wear loose clothing or jewellery, which can become entangled in moving parts.
  - Anti-slip footwear is recommended when working outdoors.
  - Tie long hair back in a hair net.
- **USE PROTECTIVE EQUIPMENT**
  - Wear protective goggles.
  - Wear a mask when performing dust-generating tasks.
- **CONNECT THE DUST EXTRACTION DEVICE WHEN PROCESSING WOOD, MATERIALS SIMILAR TO WOOD, OR PLASTICS**
  - If dust extraction connections and collection devices are available, ensure they are properly connected and used.
  - When processing wood, materials similar to wood, and plastics, operation in enclosed spaces is only permitted with the use of a suitable extraction system.
- **SECURE THE WORKPIECE**
  - Use clamping devices or a vice to hold the workpiece securely. It is more secure than holding it by hand.
  - Additional support is necessary for long workpieces (e.g., table, trestle) to prevent the machine from tipping over.
  - Always press the workpiece firmly against the working plate and stop to prevent bouncing or twisting.
- **AVOID ABNORMAL POSTURE**
  - Ensure you have secure footing and maintain balance.
  - Avoid awkward hand positions that could cause one or both hands to come into contact with the saw blade if you slip.
- **CARE FOR YOUR TOOLS**
  - Keep cutting tools sharp and clean to ensure better and safer operation.
  - Follow instructions for lubrication and tool replacement.
  - Regularly check the connection cable of the electric tool, and have it replaced by a qualified professional if damaged.
  - Regularly inspect extension cables and replace them if damaged.
  - Keep handles dry, clean, and free from oil and grease.
- **UNPLUG THE TOOL**
  - Never remove loose splinters, chips, or jammed wood from the running saw blade.
  - Always unplug the tool during non-use, prior to maintenance, and when replacing tools such as saw blades, bits, or milling heads.
  - If the saw blade becomes blocked due to abnormal feed force, turn off the machine and disconnect it from the power supply. Remove the workpiece and ensure the saw blade runs free. Restart with reduced feed force.
- **DO NOT LEAVE A TOOL KEY INSERTED**
  - Before switching on, ensure all keys and adjusting tools are removed.
- **AVOID INADVERTENT STARTING**
  - Ensure the switch is off when plugging the tool into an outlet.
- **USE EXTENSION CABLES SUITABLE FOR OUTDOOR USE**
  - Only use approved and appropriately identified extension cables for outdoor use.
  - Always use cable reels in the fully unrolled state.
- **REMAIN ATTENTIVE**
  - Pay attention to your actions. Stay focused while working. Do not use the electric tool if you are distracted.
- **CHECK THE ELECTRIC TOOL FOR POTENTIAL DAMAGE**
  - Protective devices and other parts must be carefully inspected to ensure they are free from defects and function as intended.
  - Check whether the moving parts operate smoothly and do not jam, and that all parts are correctly mounted and in good working order.
  - The moving protective hood must not be fixed in the open position.
  - Damaged protective devices and parts must be properly repaired or replaced by a qualified service workshop.
  - Damaged switches must be replaced at a customer service workshop.

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- Do not use any damaged or faulty connection cables.
- Do not use any electric tool that cannot be switched on or off properly.
- **ATTENTION!**
  - Exercise extra caution when performing double mitre cuts.
  - The use of non-approved insertion tools and accessories can pose a risk of injury.
- **HAVE YOUR ELECTRIC TOOL REPAIRED BY A QUALIFIED ELECTRICIAN**
  - This electric tool complies with applicable safety regulations. Repairs should only be performed by a qualified electrician using original spare parts to avoid accidents.
- **DO NOT MISUSE THE CABLE**
  - Do not use the cable to pull the plug out of the outlet. Protect the cable from heat, oil, and sharp edges.

**Safety Precautions**

- **WARNING! DO NOT USE DAMAGED, CRACKED, OR DEFORMED SAW BLADES.**
  - Replace a worn table insert.
  - Only use saw blades recommended by the manufacturer that conform to EN 847-1.
- **WARNING! PAY ATTENTION WHEN CHANGING THE SAW BLADE. ENSURE THAT THE CUTTING WIDTH IS NOT SMALLER, AND THE MAIN BLADE THICKNESS IS NOT GREATER THAN THE THICKNESS OF THE RIVING KNIFE.**
  - Ensure a suitable saw blade for the material being cut is selected.
  - Wear appropriate personal protective equipment. This includes:
    - Hearing protection to avoid the risk of hearing damage.
    - Respiratory protection to avoid inhaling harmful dust.
    - Wear gloves when handling saw blades and rough materials.
    - Carry saw blades in a container whenever practical.
    - Wear safety goggles. Sparks generated during work, or splinters, chips, and dust from the device, can cause loss of sight.
  - Connect a dust collection device to the electric tool when sawing wood. Dust emission is influenced by the type of material being processed, the efficiency of local dust collection, and the proper adjustment of hoods, guide plates, and guides.
  - Do not use saw blades made of high-speed steel (HSS).
  - During non-use, store the push stick or push block in its designated holder on the electric tool.

**Maintenance and Repair**

- Unplug the tool from the mains for any adjustments or repairs.
- Noise generation is influenced by various factors, including the characteristics and condition of the saw blade and the electric tool. Use saw blades designed for reduced noise generation whenever possible.
- Regularly maintain the electric tool and its attachments. Perform repairs as necessary to minimise noise.
- Report any faults with the electric tool, protective devices, or tool attachments to the person responsible for safety as soon as they are discovered.

**Safe Work**

- Use the push stick or handle when sliding wood to pass the workpiece securely past the saw blade.
- Ensure that the riving knife is always in use and correctly set up.
- Use the upper blade guard and adjust it to the correct position.
- Only use saw blades for which the maximum permissible speed is not lower than the maximum spindle speed of the table saw, and which are suitable for the material to be cut.
- Do not cut rebates or grooves without fitting a suitable guard, such as a tunnel-type guard, over the saw table.
- Circular saws must not be used for slotting jobs (cutting grooves that end within the workpiece).
- When transporting the electric tool, only use the designated transport devices. Never use the protective devices for handling or transport.
- Ensure the upper part of the saw blade is covered during transport, for example, by using the protective device.
- Only use spacers and spindle rings specified by the manufacturer as suitable for the intended purpose.
- The floor around the machine must be level, clean, and free of loose particles, such as chips and cutting residues.
- Always stand to the side of the saw blade when working.
- Do not remove cutting residues or other parts of the workpiece from the cutting zone while the machine is running and the saw blade is not at rest.
- Ensure that the machine is always secured to a workbench or table if possible.
- Support long workpieces (e.g. with a roller table) to prevent them from sagging at the end of a cut.
- **ATTENTION! NEVER REMOVE LOOSE SPLINTERS, CHIPS, OR JAMMED PIECES OF WOOD WHILE THE SAW BLADE IS RUNNING.**
  - Switch off the machine to troubleshoot or remove jammed pieces of wood.
  - Disconnect the main power plug. Refitting, adjusting, measuring, and cleaning must only be done when the motor is switched off.
  - Disconnect the main power plug. Before switching on again, ensure that all keys and adjustment tools have been removed.
- **WARNING! THIS ELECTRIC TOOL GENERATES AN ELECTROMAGNETIC FIELD DURING OPERATION. UNDER CERTAIN CONDITIONS, THIS FIELD CAN INTERFERE WITH ACTIVE OR PASSIVE MEDICAL IMPLANTS. TO AVOID THE RISK OF SERIOUS OR FATAL**

**INJURIES, INDIVIDUALS WITH MEDICAL IMPLANTS SHOULD CONSULT THEIR PHYSICIAN AND THE MANUFACTURER OF THE IMPLANT BEFORE OPERATING THE ELECTRIC TOOL.**

**Safety Instructions for Handling Saw Blades**

- Only use insertion tools if you are proficient in their use.
- Observe the maximum speed. The maximum speed specified on the insertion tool must not be exceeded. If a speed range is specified, ensure it is followed.
- Ensure the motor/saw blade rotation direction is correct.
- Do not use any insertion tools with cracks. Remove cracked insertion tools from service. Repairs are not permitted.
- Clean grease, oil, and water from the clamping surfaces.
- Do not use loose reducing rings or bushes for reducing the hole size of saw blades.
- Ensure that fixed reducer rings for securing the insertion tool have the same diameter and cover at least 1/3 of the cutting diameter.
- Ensure that fixed reducer rings are parallel to each other.
- Handle insertion tools with care. Ideally, store them in their original packaging or in specialised containers. Wear protective gloves to improve grip and reduce the risk of injury.
- Before using insertion tools, ensure all protective devices are securely fastened.
- Before use, ensure the insertion tool meets the technical requirements of the electric tool and is properly fastened.
- Only use the supplied saw blade for sawing wood, materials similar to wood, plastics, and non-ferrous metals (excluding magnesium and alloys containing magnesium).

**Proper Use**

- The bench-type circular saw is designed for slitting and cross-cutting (only with the cross stop) of all types of timber suitable for the machine's size. The equipment is not intended for cutting any type of round wood.
- The equipment must only be used for its prescribed purpose. Any other use is considered misuse. The user/operator, not the manufacturer, will be liable for any damage or injuries of any kind caused as a result of misuse.
- Please note that this equipment is not designed for use in commercial, trade, or industrial applications. Our warranty will be voided if the machine is used in commercial, trade, or industrial settings or for similar purposes.
- The equipment must be operated only with suitable saw blades (HM or CV saw blades). The use of any HSS saw blade or cutting-off wheel is prohibited.
- To use the equipment properly, you must also follow the safety instructions, assembly instructions, and operating instructions found in this manual. All individuals who use and service the equipment must be familiar with these operating instructions and informed of the equipment's potential hazards.
- It is essential to observe the accident prevention regulations in force in your area. The same applies to general health and safety rules at work.
- The manufacturer will not be liable for any modifications made to the equipment, nor for any damage resulting from such modifications. Even when the equipment is used as prescribed, it is still impossible to eliminate certain residual risks.
- The following hazards may arise due to the machine's construction and design:
  - Contact with the saw blade in the uncovered saw zone.
  - Reaching into the running saw blade (cut injuries).
  - Kick-back of workpieces and parts of workpieces.
  - Saw blade fracturing.
  - Catapulting of faulty carbide tips from the saw blade.
  - Damage to hearing if ear protection is not worn.
  - Harmful emissions of wood dust when used in enclosed spaces.

**Operation**

- The quoted values are emission values and not necessarily reliable workplace values. Although there is a correlation between emission and emission levels, it is impossible to draw definitive conclusions regarding the need for additional precautions. Factors that can influence the actual emission level at the workplace include the duration of exposure, the type of room, other noise sources, and the number of machines or neighbouring operations. Reliable workplace values may also vary from country to country. With this information, the user should be able to make a better assessment of the risks and dangers involved.
- Wear ear muffs. The impact of noise can cause damage to hearing.
- Keep noise emissions and vibrations to a minimum by following these guidelines:
  - Only use appliances in perfect working order.
  - Regularly service and clean the appliance.
  - Adapt your working style to suit the appliance.
  - Do not overload the appliance.
  - Have the appliance serviced as necessary.
  - Switch the appliance off when it is not in use.
- **RESIDUAL RISKS**
  - Even when the electric power tool is used according to instructions, certain residual risks cannot be ruled out. The following hazards may arise due to the equipment's construction and layout:

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- Lung damage if a suitable protective dust mask is not used.
- Hearing damage if suitable ear protection is not used.
- Health risks from hand-arm vibrations if the equipment is used for prolonged periods or is not properly maintained and guided.
- **BEFORE STARTING THE EQUIPMENT**
  - Before connecting the equipment to the mains supply, ensure that the data on the rating plate matches the mains data.
- **ALWAYS UNPLUG THE POWER BEFORE MAKING ANY ADJUSTMENTS TO THE EQUIPMENT.**
  - Unpack the bench-type circular saw and check for any damage that may have occurred during transit.
  - Ensure the machine stands securely by bolting it to a workbench or solid base.
  - All covers and safety devices must be properly fitted before the equipment is turned on.
  - The blade must be able to run freely.
  - When working with wood that has been previously processed, watch out for foreign bodies such as nails or screws.
  - Before actuating the On/Off switch, ensure the saw blade is correctly fitted and that all moving parts of the equipment run smoothly.















**Disposal and Recycling**

- The equipment is supplied in packaging designed to prevent damage during transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various materials, such as metal and plastic.
- Never dispose of defective equipment with household refuse. The equipment should be taken to a suitable collection centre for proper disposal. If you are unsure where such a collection point is located, contact your local council offices for guidance.

# Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

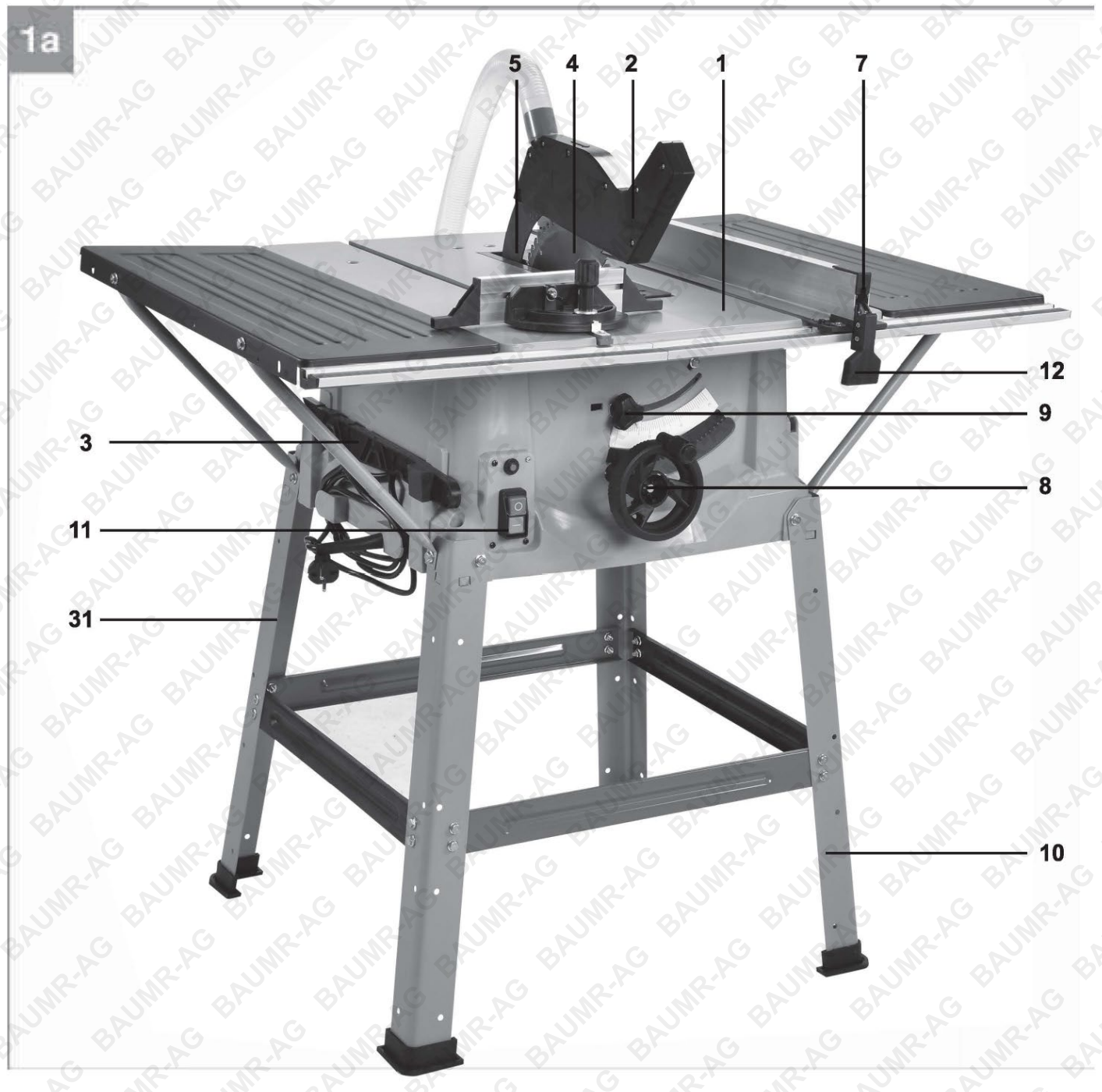
 <p><b>Flammable Material Hazard</b> Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p><b>Read User Manual</b> Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p><b>Use Hand Protection</b> Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p><b>Carbon-Monoxide Hazard</b> Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p><b>Electrocution / Electrical Shock Hazard</b> High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p><b>Toxic Fumes / Dust Hazard</b> Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p><b>Explosive Material Hazard</b> Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p><b>Cutting / Amputation Hazard</b> The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p><b>Crush Hazard</b> The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p><b>Single Operator Only</b> The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p><b>Use Face Protection</b> Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p><b>Use Foot Protection</b> Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p><b>Use Eye / Ear / Head Protection</b> Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.</p>	 <p><b>Running Hazard</b> Do not run on or near the product as doing so may present a fall hazard.</p>	 <p><b>Diving Hazard</b> Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p><b>Adult Supervision Required</b> Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p><b>Skin Penetration / Puncture Hazard</b> The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p><b>Hot Surface Hazard</b> Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p><b>Flying Debris Hazard</b> Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p><b>Moving Parts Hazard</b> Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>

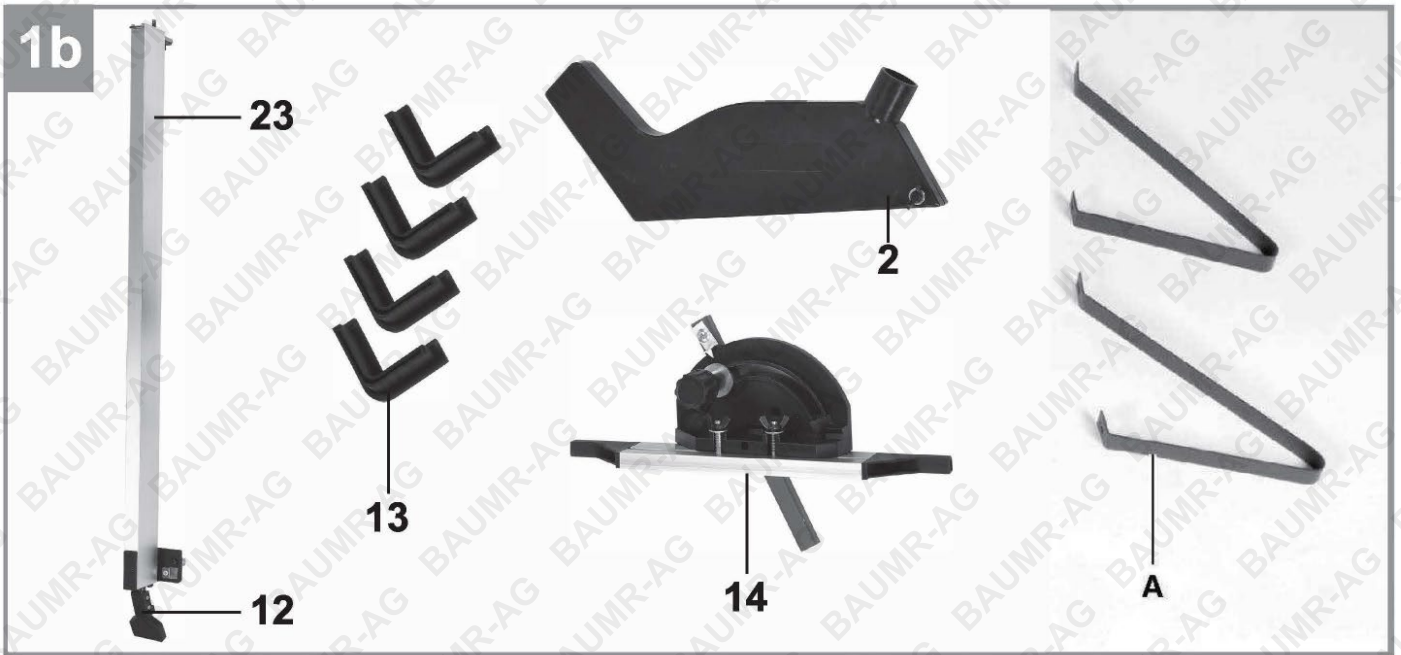
 <p><b>Carbon-Monoxide Hazard</b> Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p><b>Pull Hazard</b> Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p><b>Slope / Fall Injury Hazard</b> Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p><b>"Slam Dunk" Warning</b> Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p><b>Electrocution / Electrical Shock Hazard - Outdoor</b> High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.</p>	 <p><b>Electrocution / Electrical Shock Hazard - Disconnect</b> High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p><b>Power Line Electrocution Hazard</b> High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p><b>"Kick-Back" Hazard</b> High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p><b>Winch Operator Position Hazard</b> Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p><b>Winch Lift Hazard</b> Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p><b>Cable Hazard</b> Ensure that load bearing cable is not kinked or knotted.</p>	 <p><b>Winch Cable Hazard</b> Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p><b>Winch Hook Hazard</b> Carry hook to load – do NOT throw or run.</p>	 <p><b>Flash / Blinding Hazard</b> Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p><b>Laser Hazard</b> Laser may be in use – do NOT look directly at laser or allow others to.</p>	 <p><b>Choking Hazard</b> Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.</p>

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# Parts Identification





No.	Name	No.	Name	No.	Name
1	Sawing table	12	Eccentric lever	23	Stop rail
2	Saw blade guard	13	Rubber foot	24	Screw
3	Push stick	14	Angle stop	25	Guide rail
4	Saw blade	15	Screw	26	Leg
5	Splitter	16	Extractor adapter	27	Cross strut
6	Table insert	17	Countersunk head screw	28	Longitudinal strut
7	Parallel stop	18	Hole (splitter)	29	Supports
8	Hand wheel	19	Fastening screw	30	Table width extension
9	Adjusting and locking grip	20	Screw	31	Tool hook
10	Base frame	21	Groove		
11	On/Off switch	22	Scale		
<b>A</b>	Additional leg a Hex screw b Spring washer c Washer d Nut				

# Assembly

**DANGER!** UNPLUG THE POWER CORD BEFORE PERFORMING ANY MAINTENANCE, RESETTING, OR ASSEMBLY WORK ON THE CUTTING-OFF MACHINE!

## Assembling the Base Frame



1. Turn the saw upside down and place it on the floor.
2. Use the washers (c) and hex screws (a) to loosely fasten the four legs (29) to the saw.
3. Use the hex screws (a), washers (c), and nuts (d) to loosely fasten the longitudinal struts (31) and cross struts (30) to the legs. Note: The longer struts should be used on the sides.
4. Finally, tighten all screws and nuts on the base frame.
5. Attach the additional legs (A) to the rear legs (29) so that they point toward the back of the machine (Fig. 17).
6. Plug the rubber feet (13) onto the legs (29).
7. Mount the tool hooks on the side of a front leg.

## Fitting/Removing the Saw Blade Guard

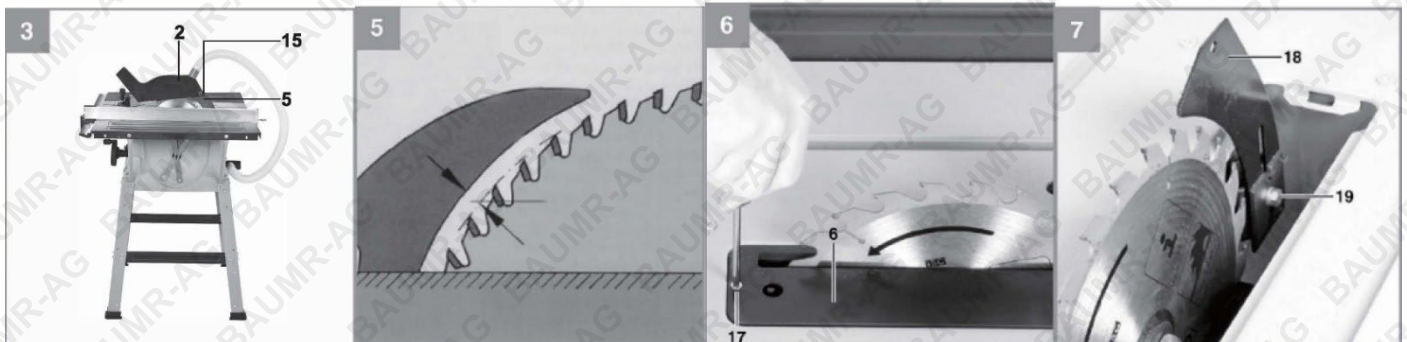


1. Mount the saw blade guard (2) on the splitter (5), ensuring the screw passes through the hole (18) in the splitter.
2. Do not tighten the screw (15) too much—the blade guard must be able to move freely.
3. To remove the saw blade guard, follow the steps in reverse order.

**WARNING!** THE GUARD HOOD (2) MUST ALWAYS BE LOWERED OVER THE WORKPIECE BEFORE YOU BEGIN CUTTING.

## Setting the Splitter

**DANGER!** UNPLUG THE POWER CORD.



1. Set the blade (4) to maximum cutting depth, move it to the 0° position, and lock it in place.
2. Remove the saw blade guard.
3. Remove the table insert (6).

- Loosen the fixing screw.

## Setting for Maximum Cuts



- Push the splitter (5) upwards until the gap between the saw table (1) and the upper edge of the splitter (5) is approximately 10 cm.
- The distance between the blade (4) and the splitter (5) should be 3-5 mm.
- Retighten the screw (19) and replace the table insert (6) (Fig. 6).

## Changing the Table Insert

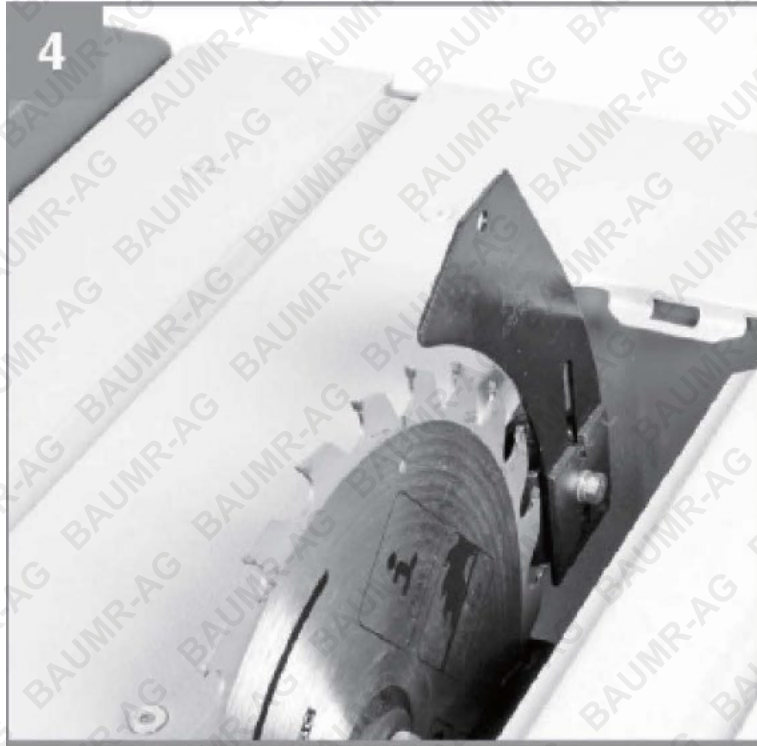


**TO REDUCE THE RISK OF INJURY, THE TABLE INSERT SHOULD BE REPLACED WHENEVER IT IS WORN OR DAMAGED.**

## BTB50 Table Saw

1. Remove the saw blade guard (2).
2. Remove the countersunk head screws (17).
3. Take out the worn table insert (6).
4. To fit the replacement table insert, follow the steps in reverse order.

## Fitting/Replacing the Blade

**Important! Unplug the power cord first.**

1. Remove the table insert by undoing the two countersunk head screws (see section 6.4).
2. Use a size 24 wrench on the nut and a second fork wrench (size 10) on the motor shaft to apply counter-pressure and undo the nut.

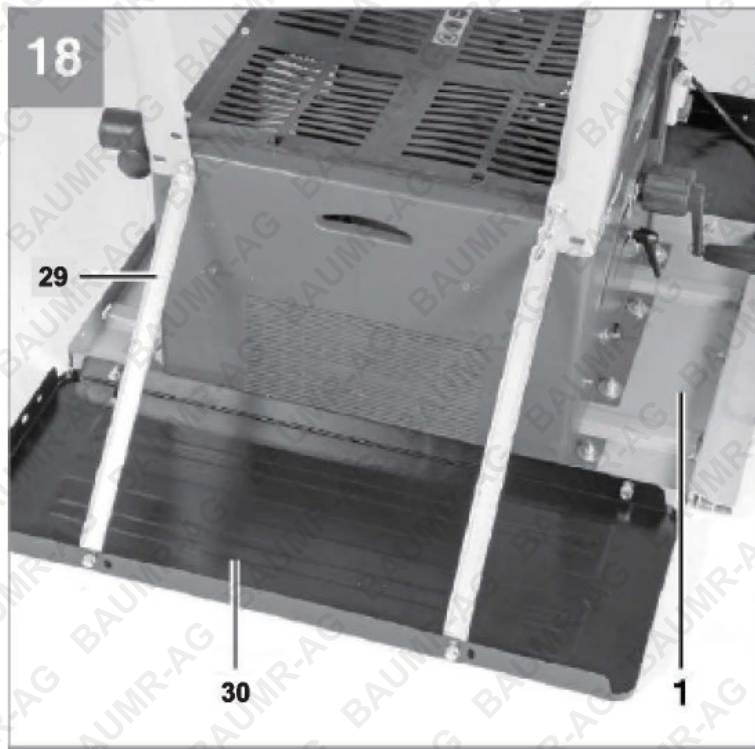
**Important! Turn the nut in the direction of the saw blade's rotation.**

3. Remove the outer flange and pull the old saw blade off the inner flange by tilting the blade at an angle.
4. Thoroughly clean the blade flange before fitting the new blade.
5. Mount and fasten the new saw blade in reverse order.

**Important! Ensure the correct running direction. The cutting angle of the teeth must point forward in the running direction (check the arrow on the blade guard).**

6. Refit and set the splitter (5) and the saw guard (2).
- Check that all safety devices are properly mounted and in good working condition before resuming use of the saw.

## Assembling the Table Width Extension



1. Use the screws (a), nuts (d), and washers (c) to loosely fasten the table width extensions (33) to the saw table (1).
2. Loosely screw the supports (32) onto the saw housing and the table width extensions (33).
3. Align the table width extensions (33) so they are level with the saw table.
4. Finally, tighten all the screws (a).

# Using the Saw

## ON/OFF Switch

- To turn the saw on, press the green button "I". Wait for the blade to reach its maximum speed before beginning the cut.
- To turn the machine off, press the red button "O".

## Cutting Depth

Turn the hand crank (8) to set the blade (4) to the desired cutting depth.

- Turn anticlockwise: increases cutting depth.
- Turn clockwise: decreases cutting depth.

## Parallel Stop

### Stop Height



1. The parallel stop (7) supplied with the bench-type circular saw has two different guide faces.

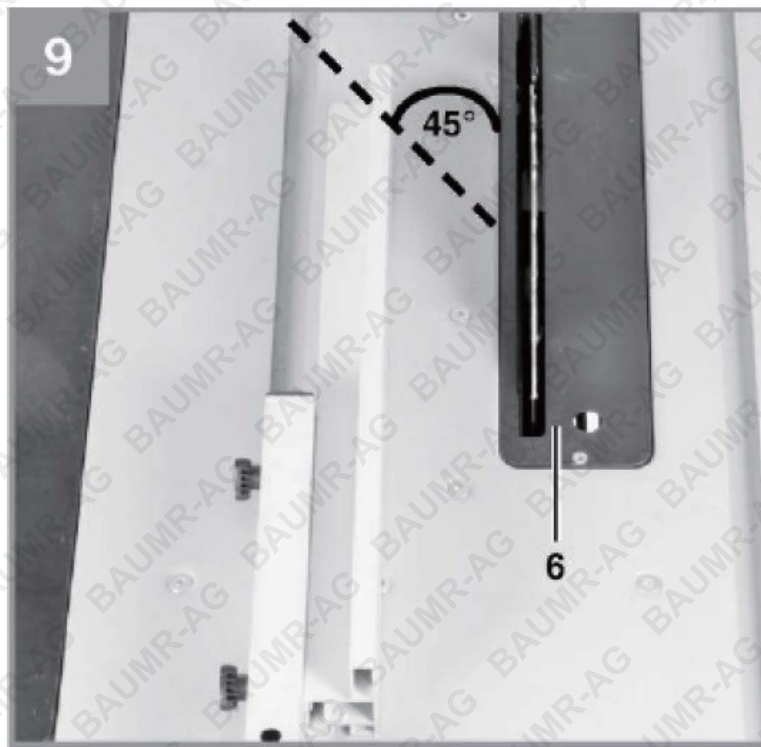
**BTB50 Table Saw**

2. For thick material, use the stop rail (23) as shown in Fig. 11. For thin material, use the stop rail as shown in Fig. 10.
3. To switch the stop rail (23) to the lower guide face, loosen the two knurled screws (26) to disconnect the stop rail (23) from the holder (24).
4. Remove the two knurled screws (26) through one slot (27) in the stop rail (23) and insert them into the other slot (25).
5. Remount the stop rail (23) on the holder (24).
6. The procedure for switching to the high guide face is similar.

## Cutting Width

- The parallel stop (7) must be used when making longitudinal cuts in wooden workpieces.
- The parallel stop (7) can be mounted on either side of the saw table (1).
- The parallel stop (7) should be mounted in the guide rail (28) of the saw table (1).
- Set the parallel stop (7) to the required dimension using the scale (22) on the guide rail (1).
- You can clamp the parallel stop in the required position by pressing the eccentric lever (12).

## Setting the Stop Length



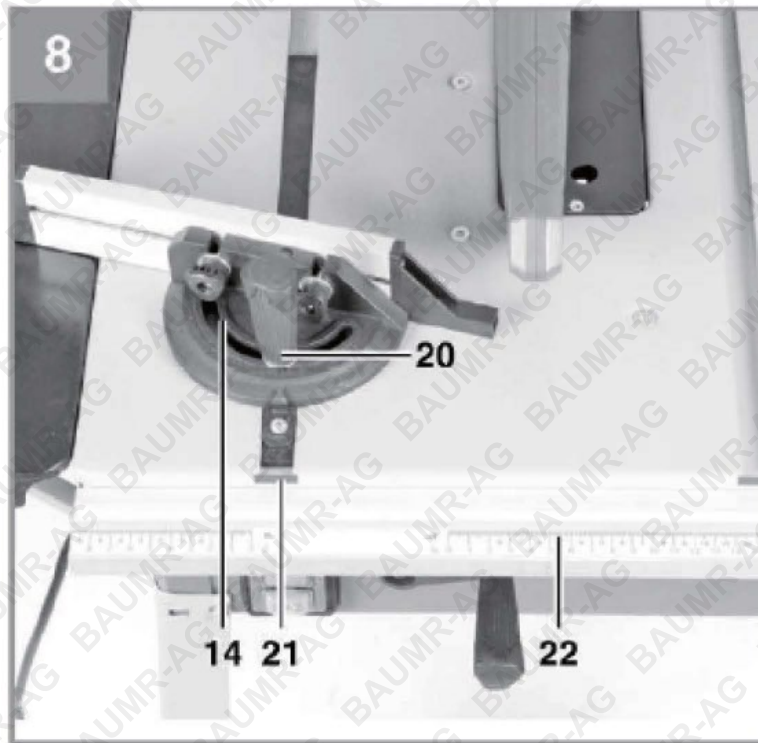
The stop rail (23) can be moved longitudinally to prevent the workpiece from becoming jammed.

**Rule of thumb: The rear end of the stop should align with an imaginary line that starts at the centre of the blade and runs at a 45° angle to the rear.**

### To set the required cutting width:

1. Loosen the knurled screws (26) and push the stop rail (23) forward until it aligns with the imaginary 45° line.
2. Retighten the knurled screws (26).

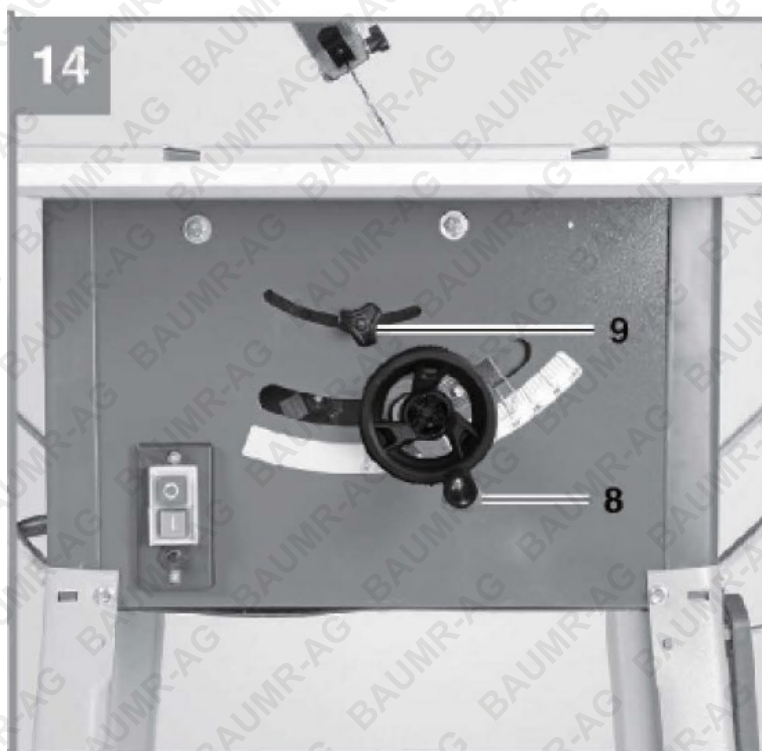
## Cross Stop



1. Slide the cross stop (14) into the groove (21) of the table.
2. Loosen the knurled screw (20).
3. Turn the cross stop (14) until the arrow points to the required angle.
4. Retighten the knurled screw (20).

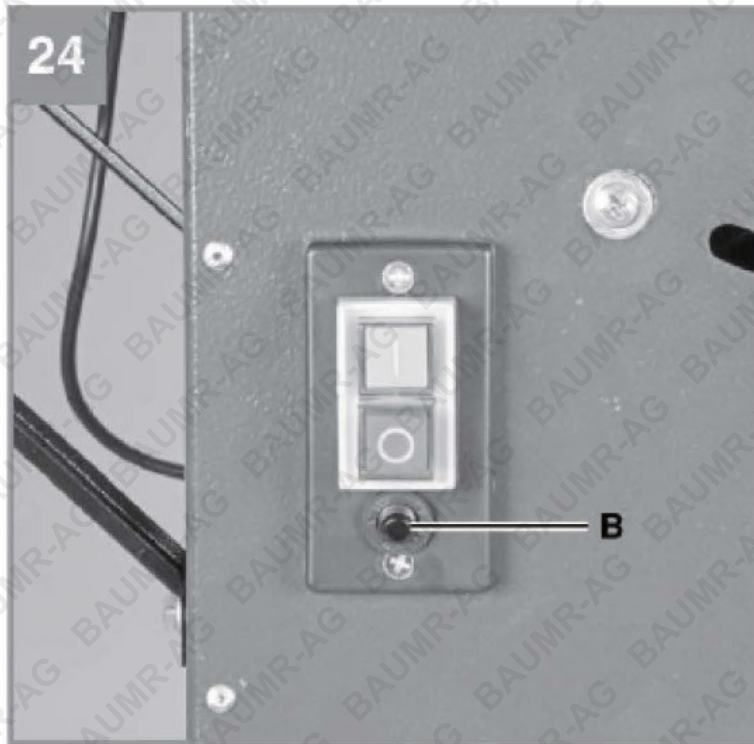
**Important! Do not push the stop rail (23) too far toward the blade. The distance between the stop rail (23) and the blade (4) should be approximately 2 cm.**

## Setting the Angle



1. Undo the fixing handle (9).
2. Turn the handle to set the desired angle on the scale.
3. Lock the fixing handle again in the required angle position.

## Overload Cut-Out

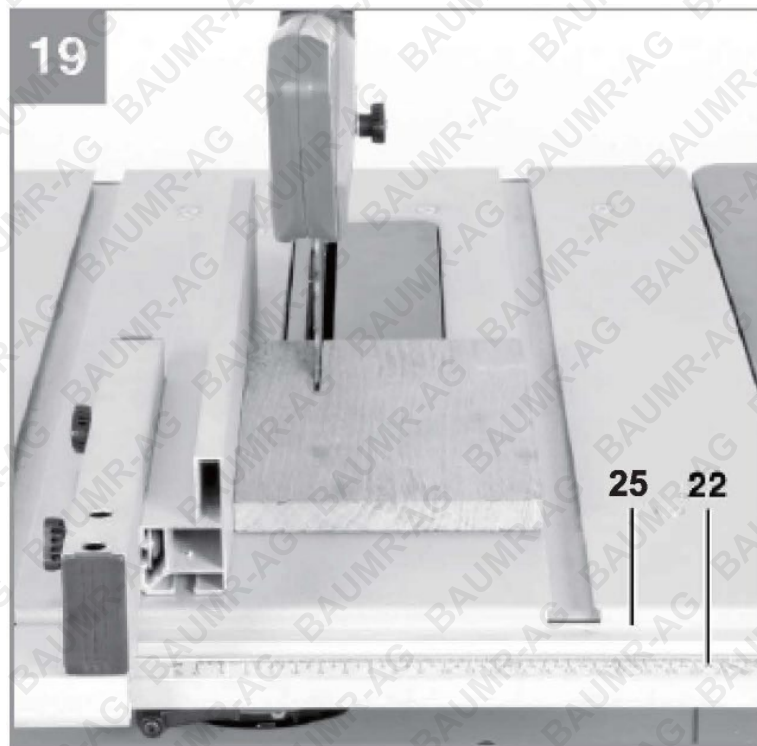


The motor of this appliance is protected against overload by an overload switch (B). If the rated current is exceeded, the overload switch will automatically turn off the appliance. After a short cooling phase, the appliance can be switched back on by pressing the overload switch.

## Operation

**WARNING!** After every new adjustment, it is recommended to make a trial cut to check the new settings. After switching on the saw, wait for the blade to reach its maximum speed before starting the cut. Take extra care when starting the cut! Never use the equipment without the suction function. Regularly check and clean the suction channels. The cap on the blade guard can be removed to connect a suction hose to the blade guard. A suction adapter set for connecting a vacuum extraction system to the blade guard and the suction adapter is available as an accessory.

### Making Longitudinal Cuts



Longitudinal cutting, also known as slitting, refers to using the saw to cut along the grain of the wood. Press one edge of the workpiece against the parallel stop (7) while the flat side rests on the saw table (1). The guard hood (2) must always be lowered over the workpiece. When making a longitudinal cut, never stand in line with the cutting direction.

1. Set the parallel stop (7) according to the height of the workpiece and the desired width.
2. Switch on the saw.
3. Place your hands (with fingers closed) flat on the workpiece and push it along the parallel stop (7) and into the blade (4).
4. Guide the workpiece with your left or right hand (depending on the position of the parallel stop), but only as far as the front edge of the guard hood.
5. Always push the workpiece all the way through until it passes the splitter (5).
6. The offcut piece should remain on the saw table (1) until the blade (4) has come to a complete stop.
7. Secure long workpieces to prevent them from falling off at the end of the cut (e.g., with a roller stand).

## Cutting Narrow Workpieces

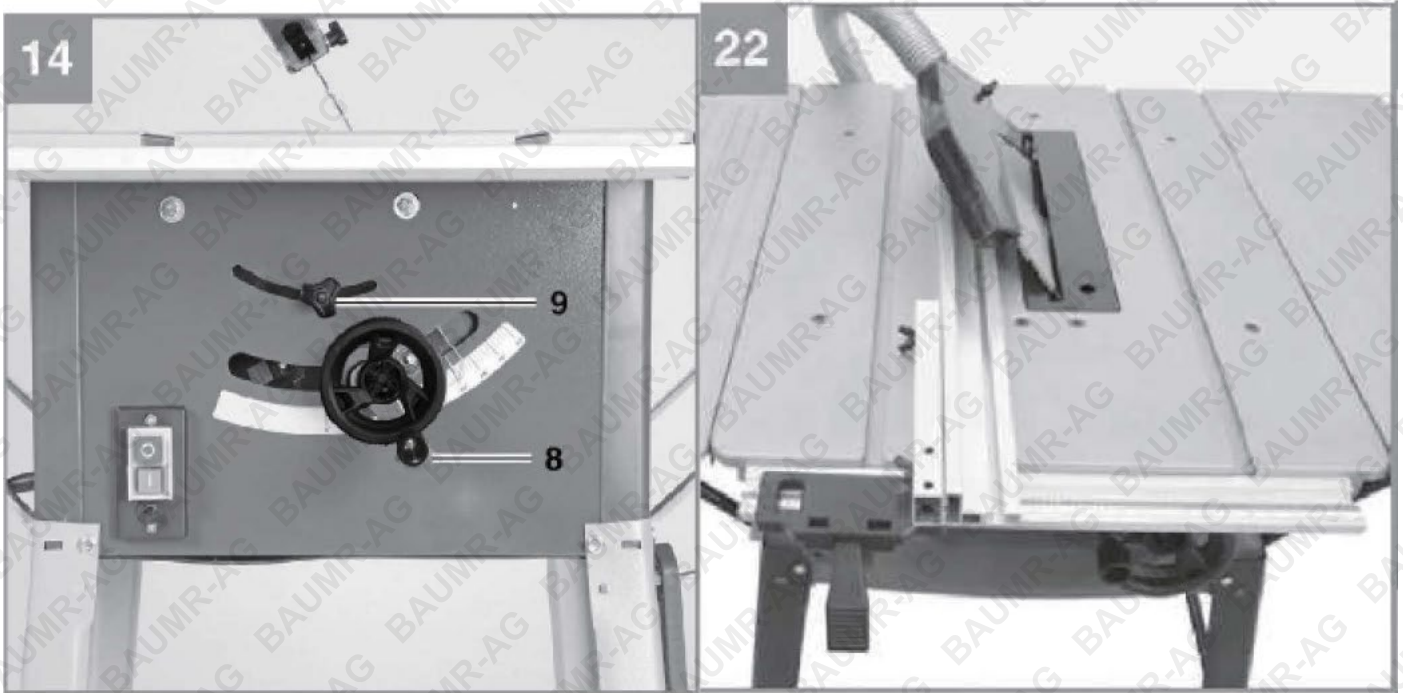


Always use a push stick (3) when making longitudinal cuts in workpieces less than 120 mm in width. A push block is supplied with the saw! Replace any worn or damaged push stick immediately.

1. Always use a push block when making longitudinal cuts in very narrow workpieces with a width of 30 mm or less.
2. The low guide face of the parallel stop is recommended for use in these cases.

**Note: A push block is not supplied with the saw (available from your specialist dealer). Replace the push block promptly if it becomes worn.**

## Making Bevel Cuts



Bevel cuts must always be made using the parallel stop (7).

1. Set the blade (4) to the desired angle (see section 7.5).
2. Set the parallel stop (7) according to the width and height of the workpiece.
3. Perform the cut according to the width of the workpiece.

## Making Cross Cuts



1. Slide the cross stop (14) into one of the grooves (21) in the table and adjust it to the required angle (see section 7.4). If you also need to tilt the blade (4), use the groove (21) that prevents your hand and the cross stop from making contact with the blade guard.
2. Press the workpiece firmly against the cross stop (14).
3. Switch on the saw.
4. Push the cross stop (14) and the workpiece toward the blade to make the cut.

**WARNING!** Always hold the guided part of the workpiece. Never hold the part to be cut off.

5. Push the cross stop (14) forward until the workpiece is cut completely.
6. Switch off the saw. Do not remove the offcut until the blade has stopped rotating.

# Maintenance

**ATTENTION:** Surface corrosion will occur on metal surfaces over time and the rate of oxidation depends on factors such as proximity to the ocean and humidity or condensation of water vapour on metal surfaces. To mitigate this, WD40 can be used to remove surface corrosion then, when applied periodically, it will prevent rust from forming.

**DANGER!** Always unplug the mains power before starting any cleaning work.

## Replacing the Power Cable

**DANGER!** If the power cable for this equipment is damaged, it must be replaced by the manufacturer, its after-sales service, or similarly trained personnel to avoid any danger.

## Cleaning

- Keep all safety devices, air vents, and the motor housing as free from dirt and dust as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend cleaning the device immediately after each use.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents, as they could damage the plastic parts of the equipment. Ensure that no water seeps into the device. The ingress of water into an electric tool increases the risk of electric shock.

## Carbon Brushes

- In case of excessive sparking, have the carbon brushes checked by a qualified electrician.

**DANGER!** The carbon brushes should only be replaced by a qualified electrician.

## Other Maintenance

There are no parts inside the equipment that require additional maintenance.

## Storage

Store the equipment and accessories in a dark, dry place at a temperature above freezing. The ideal storage temperature is between 5°C and 30°C. Store the electric tool in its original packaging.

# Specifications

<b>Motor</b>	1800W
<b>Blade</b>	254mm
<b>Mitre</b>	0°-45°
<b>Bevel Cutting</b>	45° to 65mm
<b>Power Cord</b>	2.4m
<b>Plug</b>	Australian Standard

*Note: Requires assembly*



**Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

