

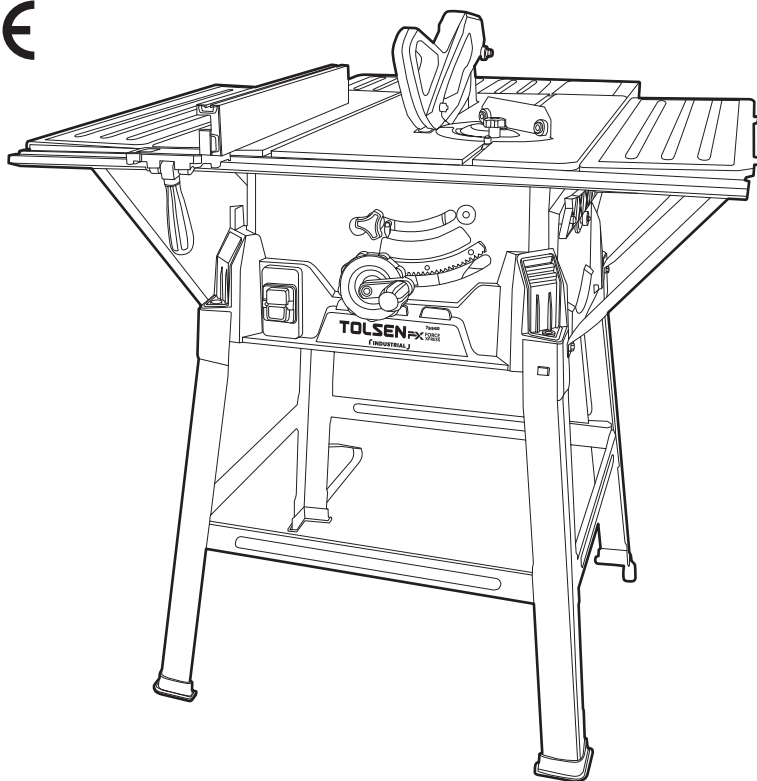
TOLSEN FORCE XPRESS

79660 TABLE SAW

INSTRUCTION MANUAL

1500W

CE



SAVE THIS MANUAL !

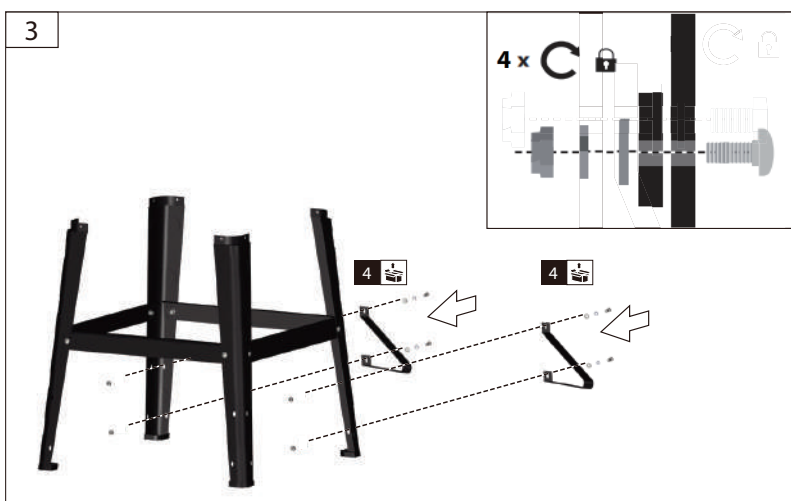
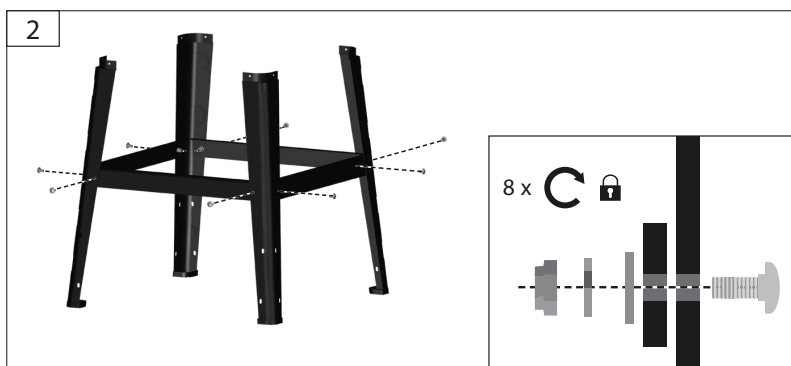
You will need this manual for safety instructions, operating procedures and warranty.
Put it and the original sales receipt in a safe dry place for future reference.

SCOPE OF DELIVERY

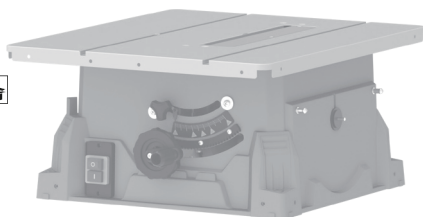


ASSEMBLY

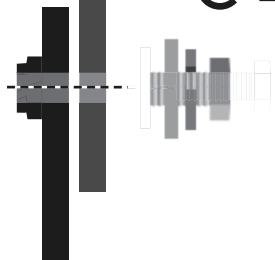


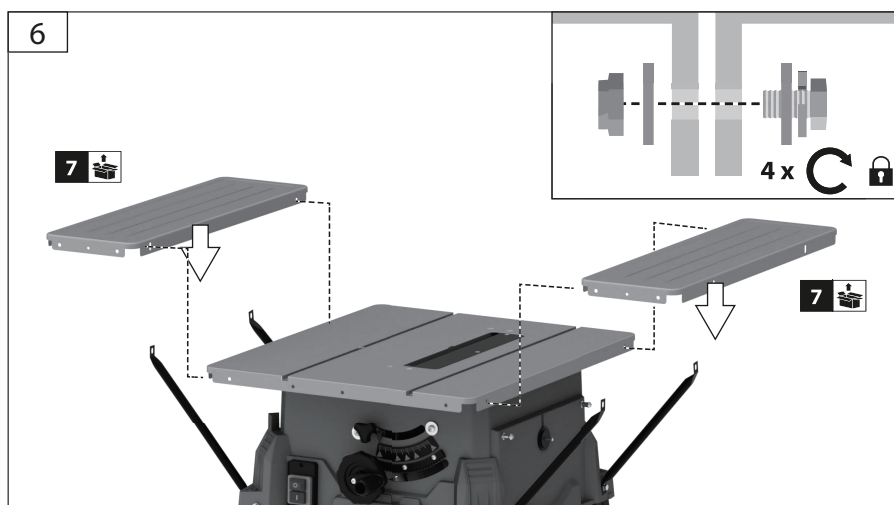
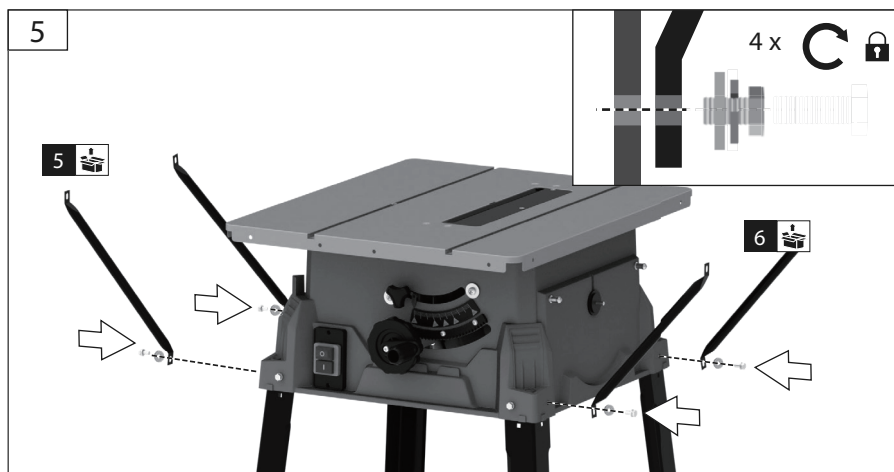


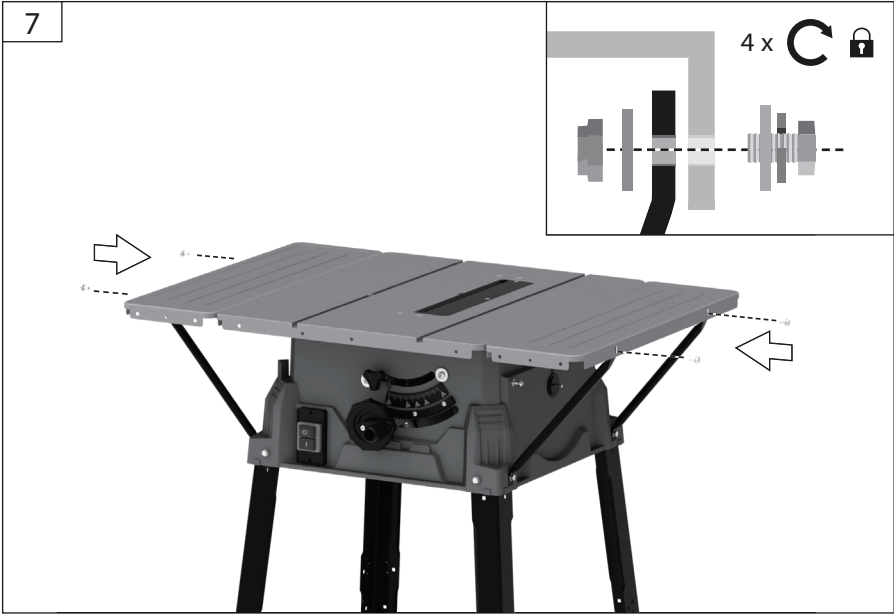
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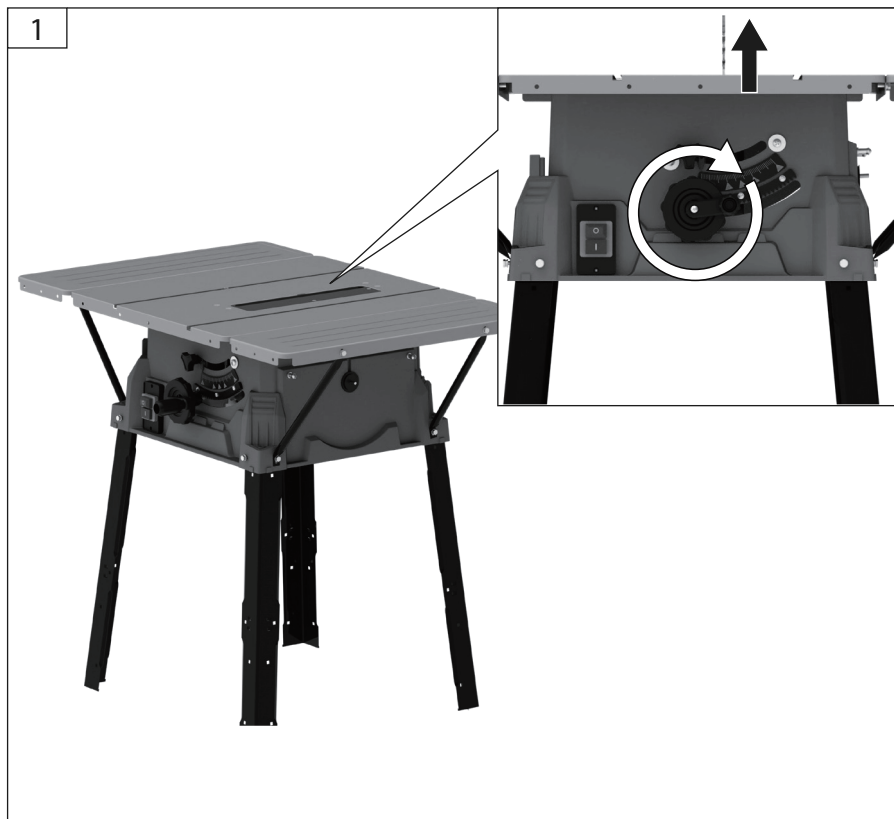


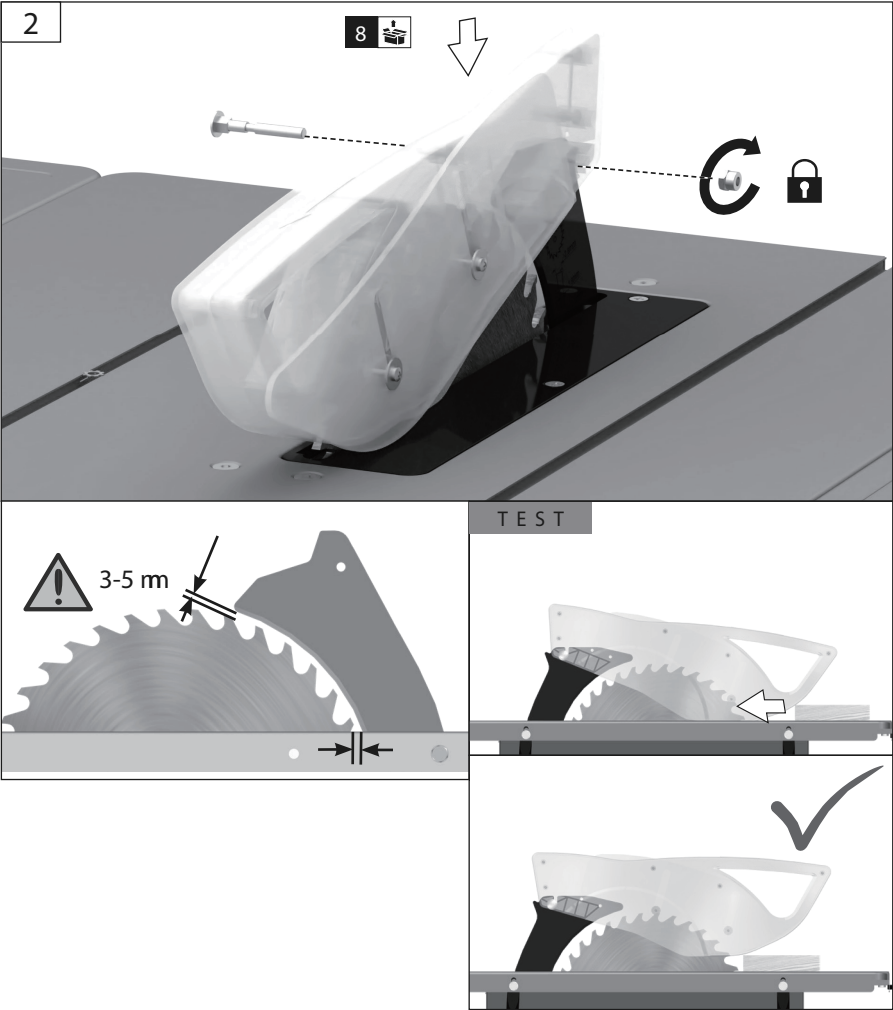
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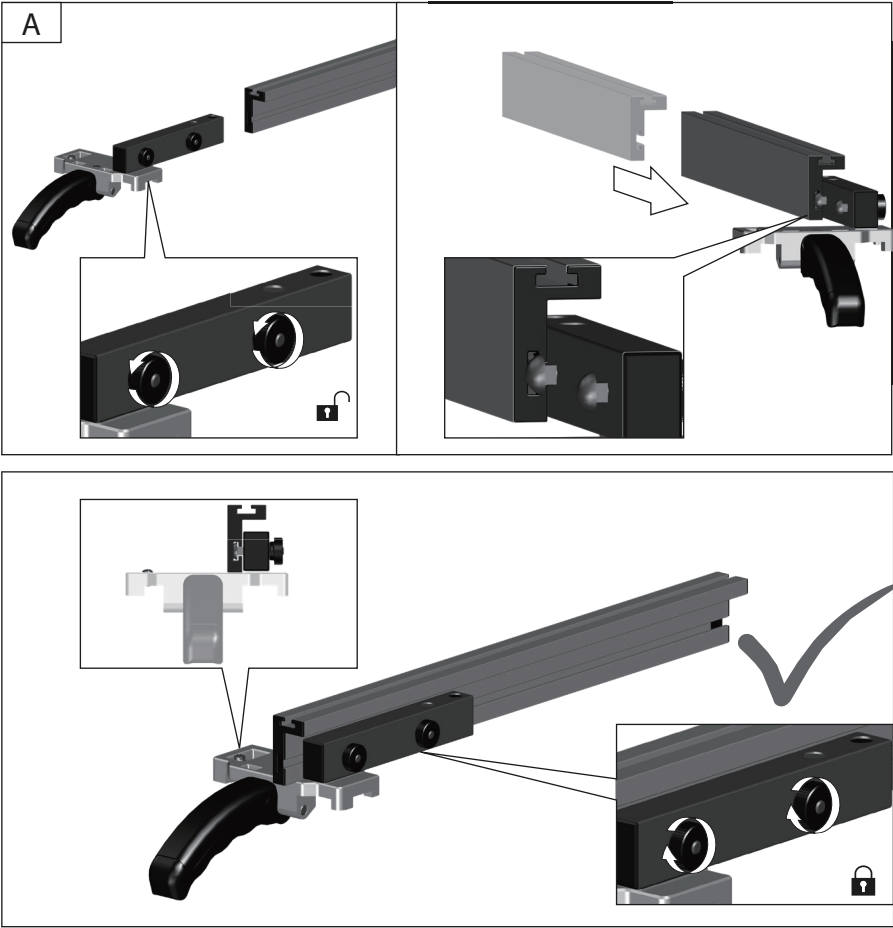


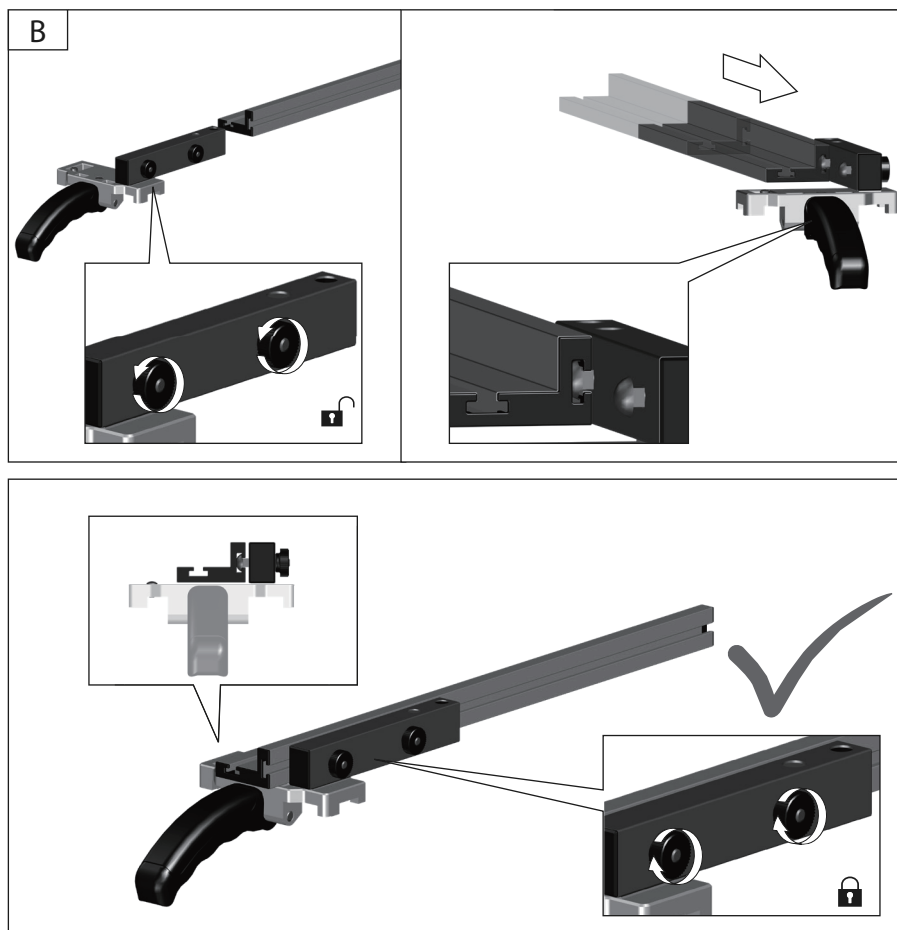


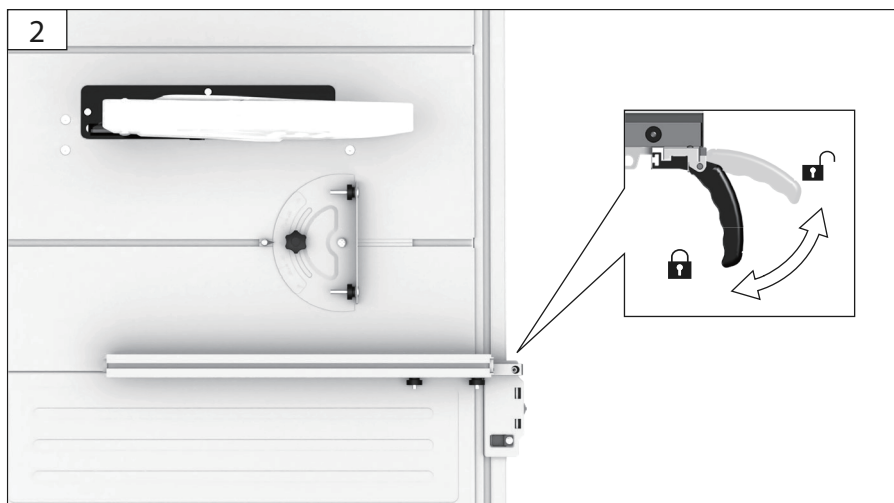
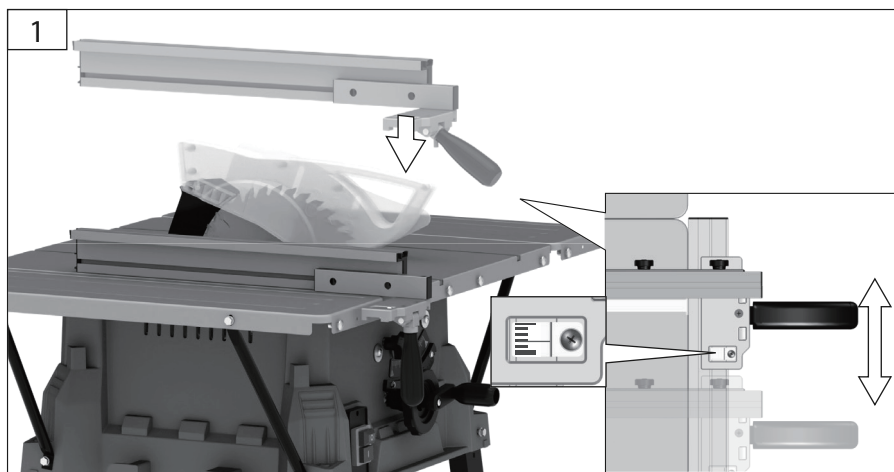




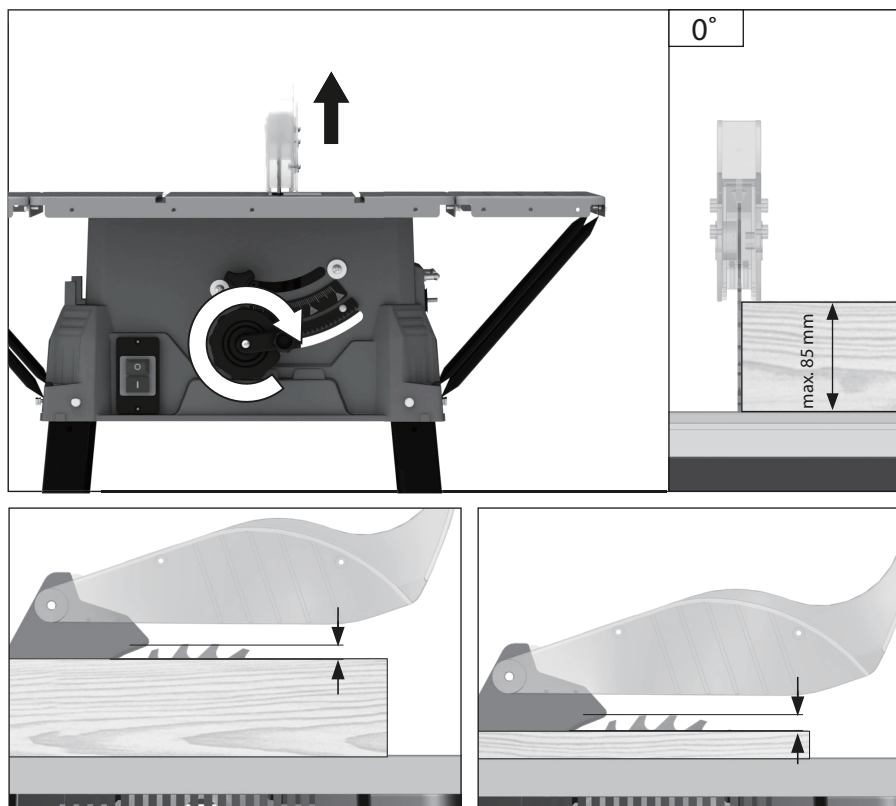




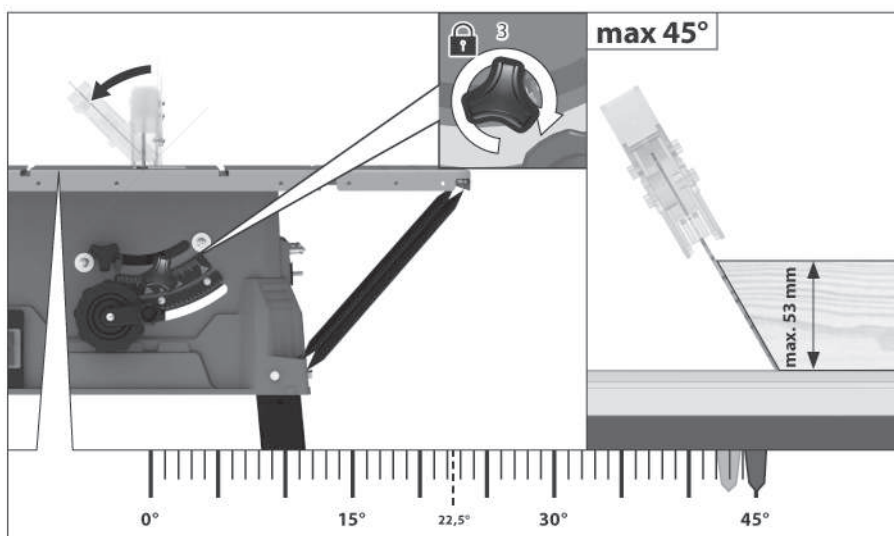
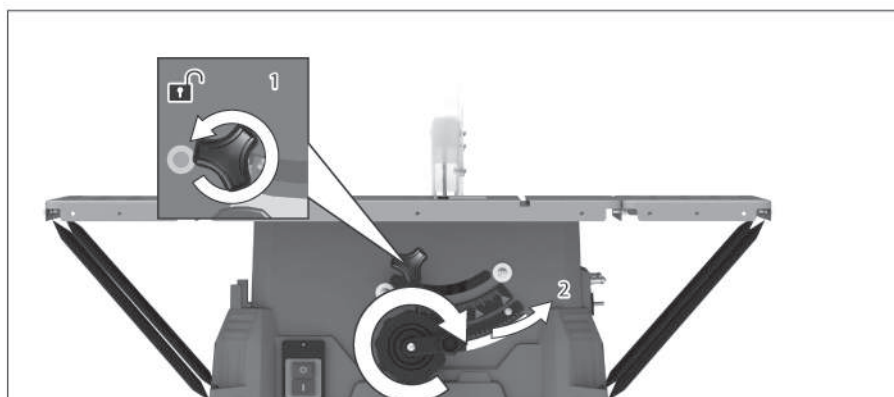


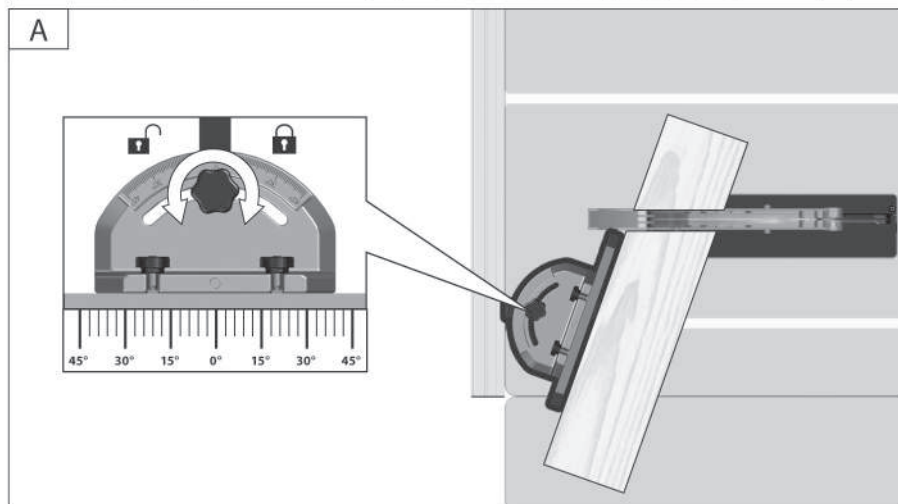


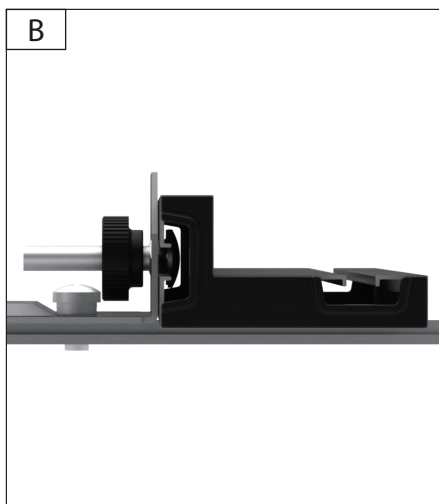
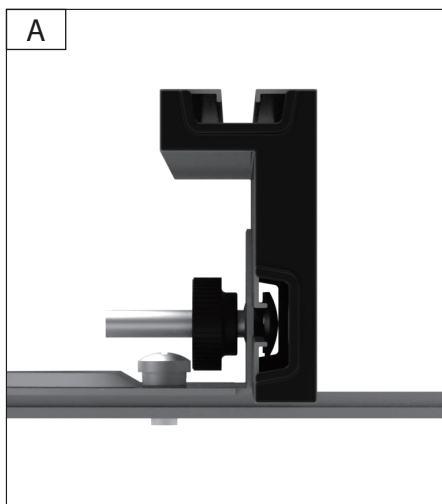
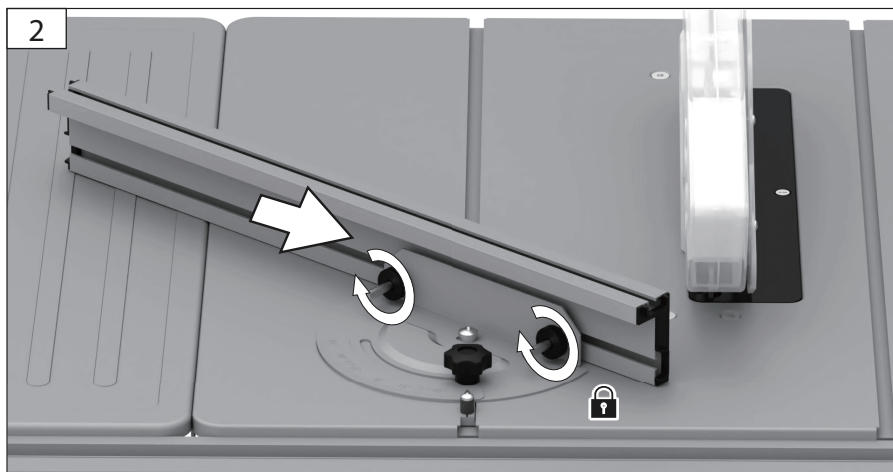
STARTING-UP THE MACHINE

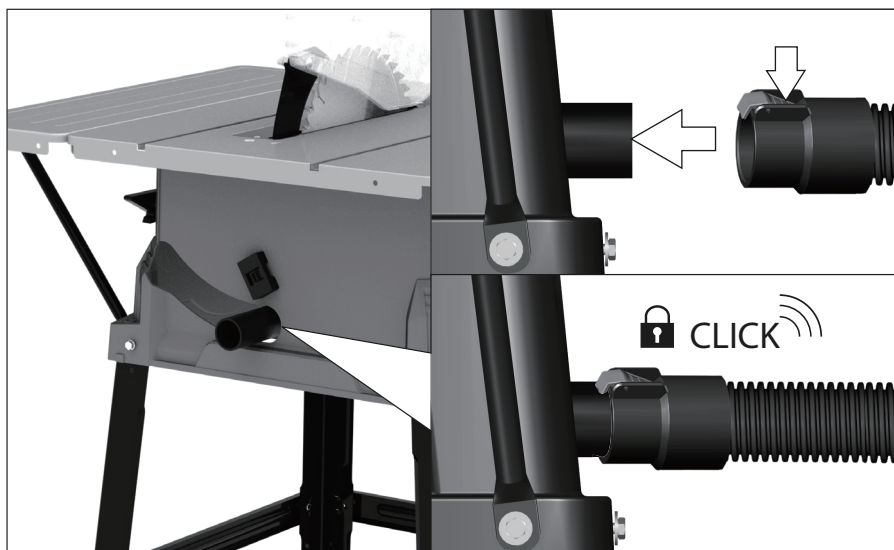


Adjust the cutting depth to the thickness of the workpiece. The sawtooth should come out of the workpiece less than a full tooth height.

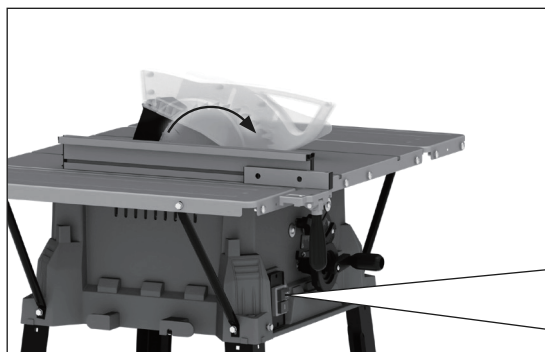






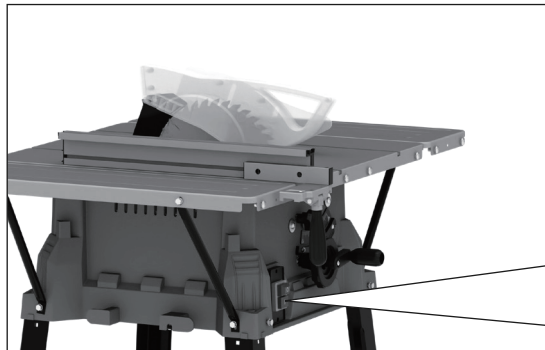
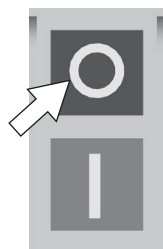


OPERATION



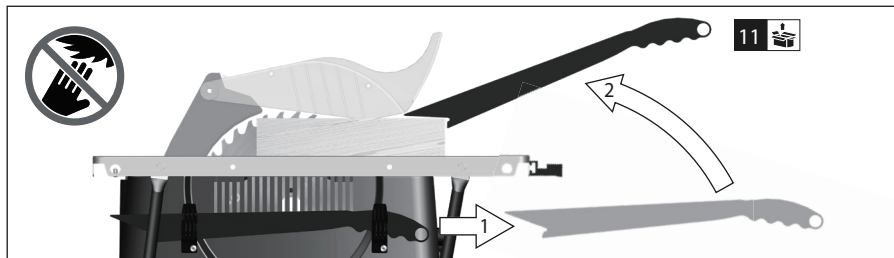
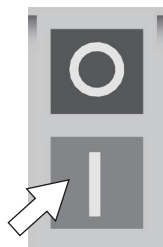
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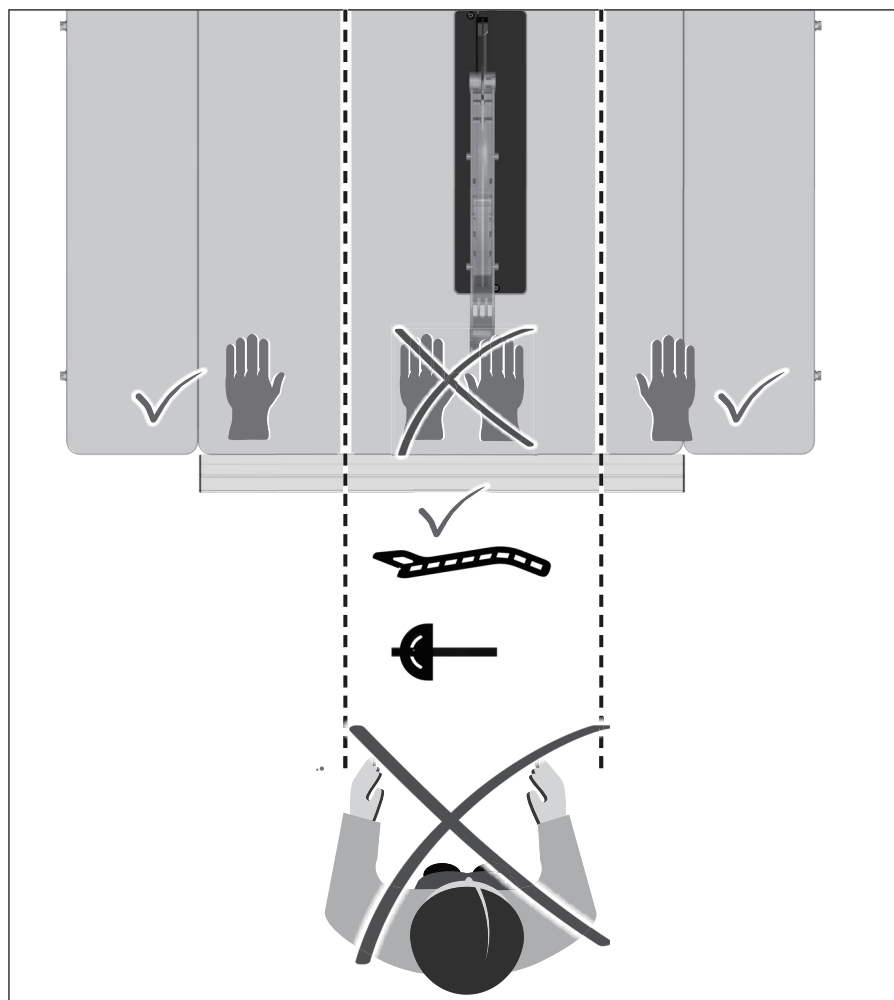
STOP

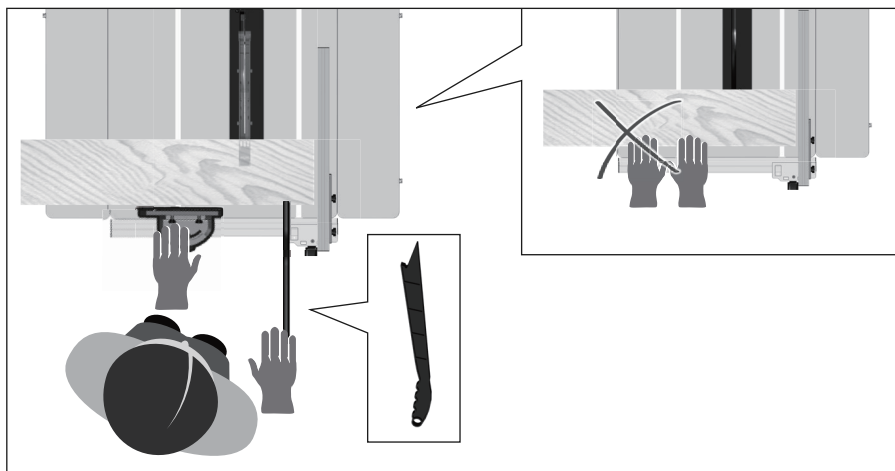
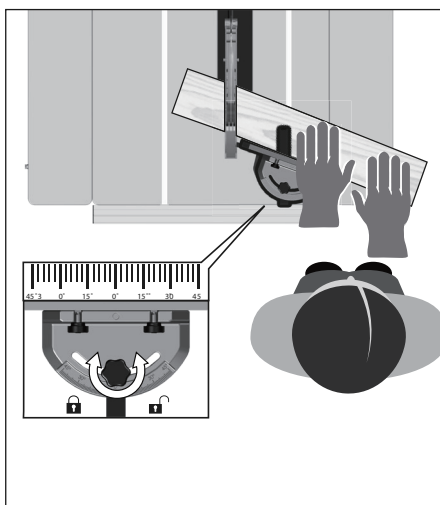
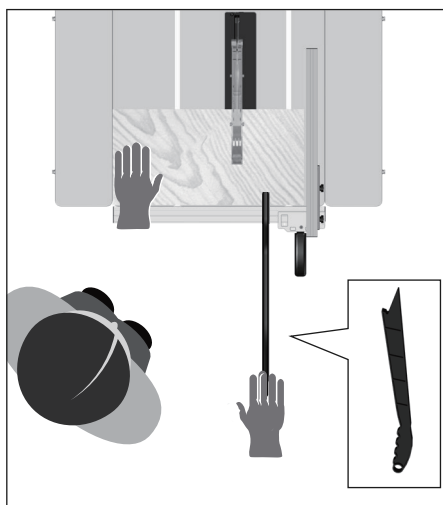
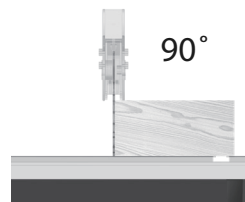


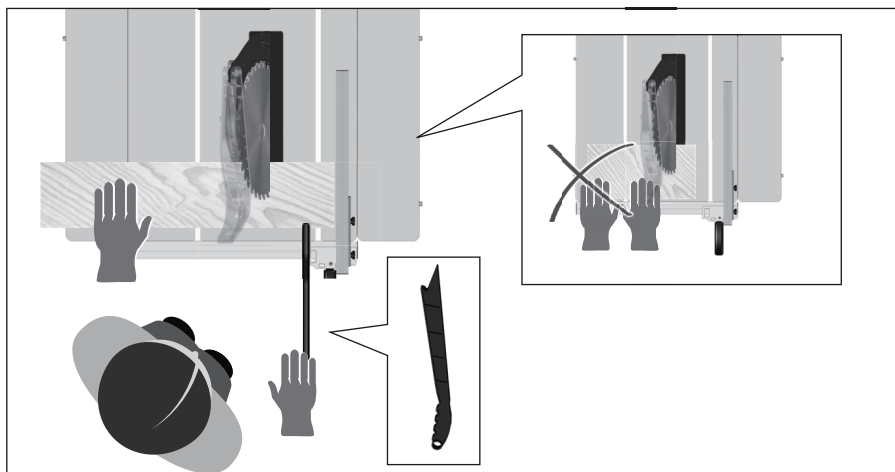
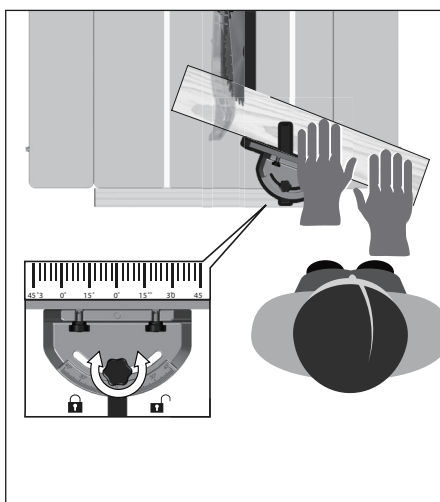
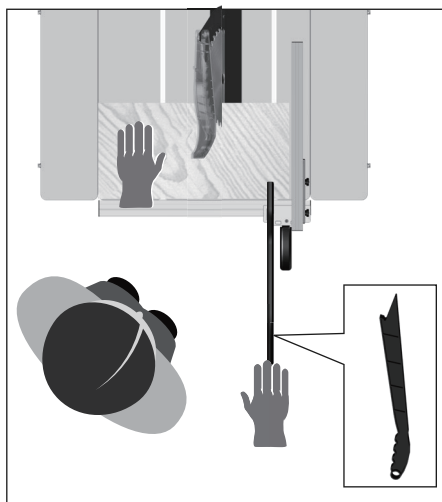
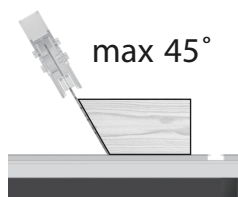
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START

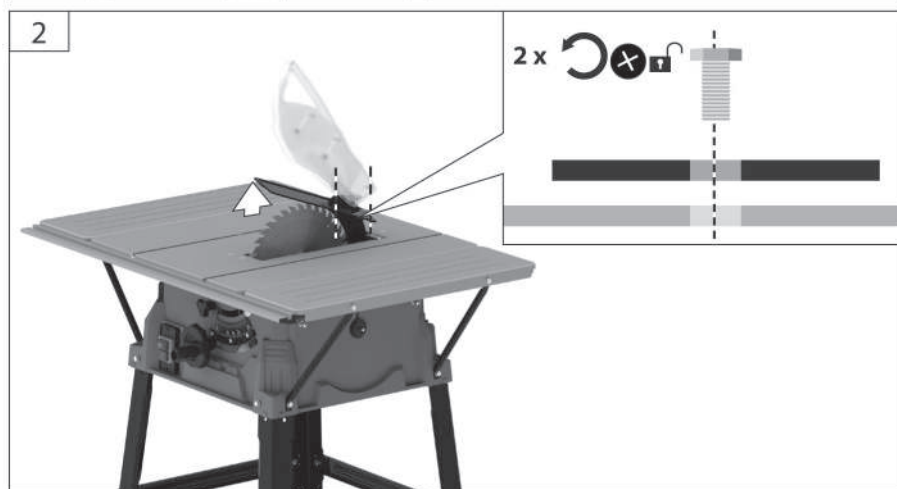
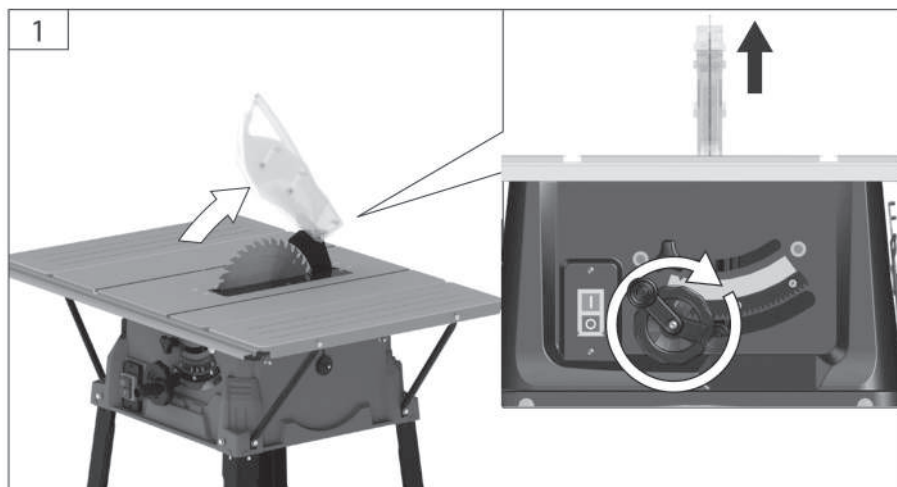


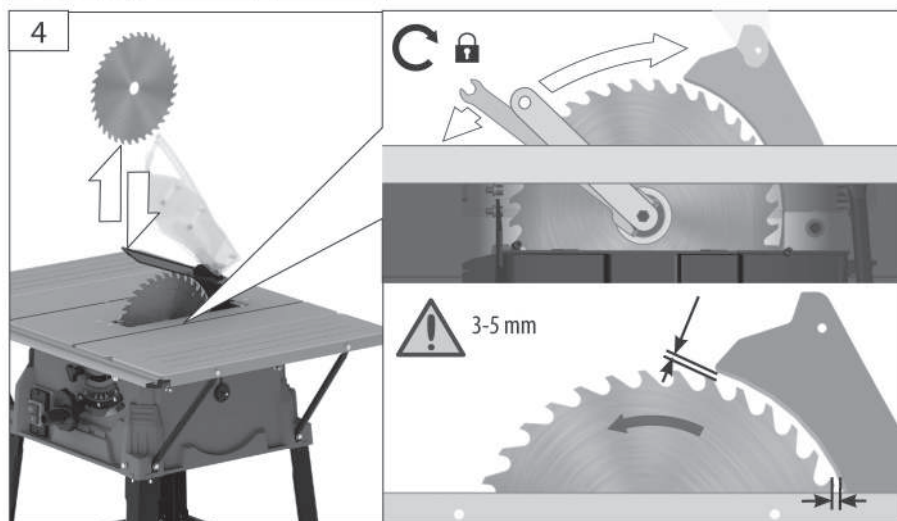
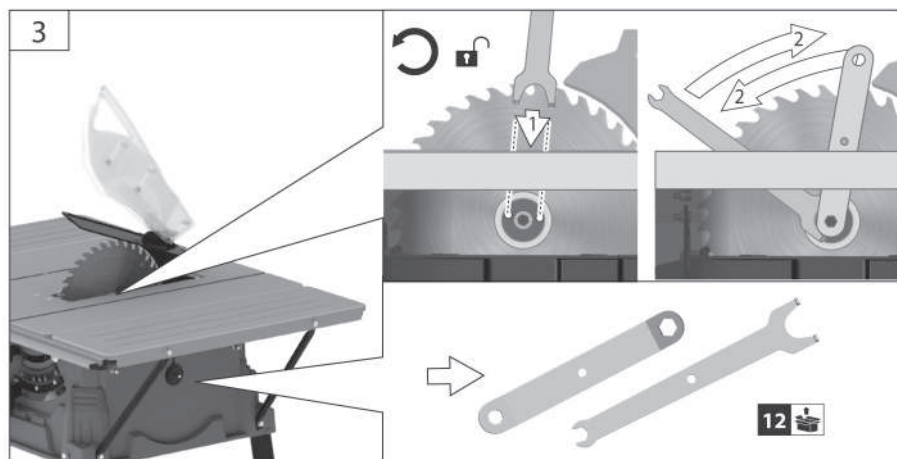


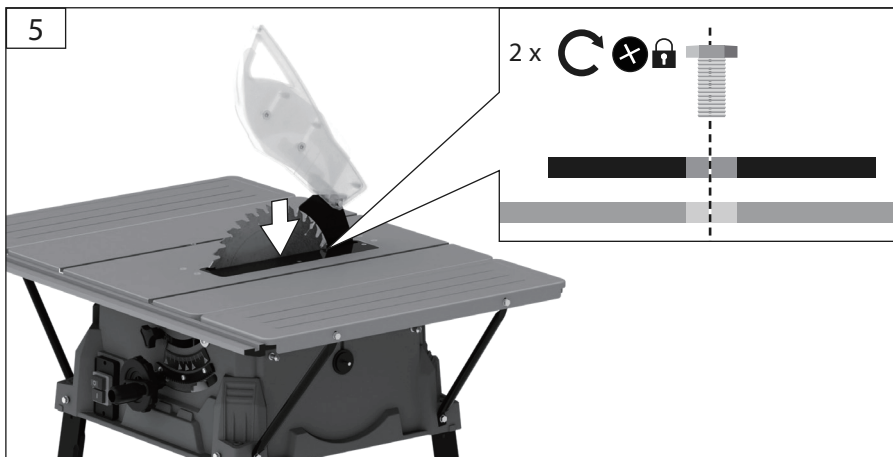




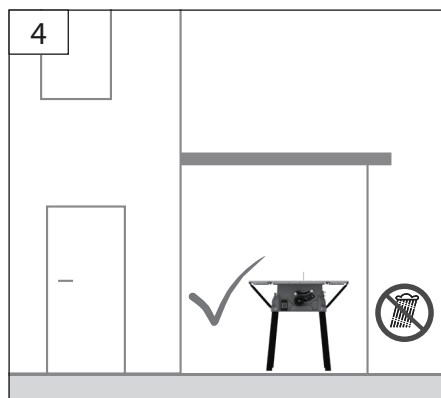
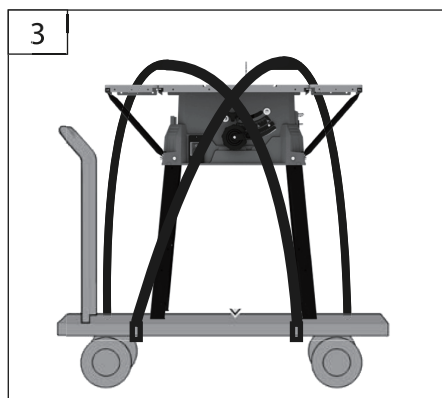
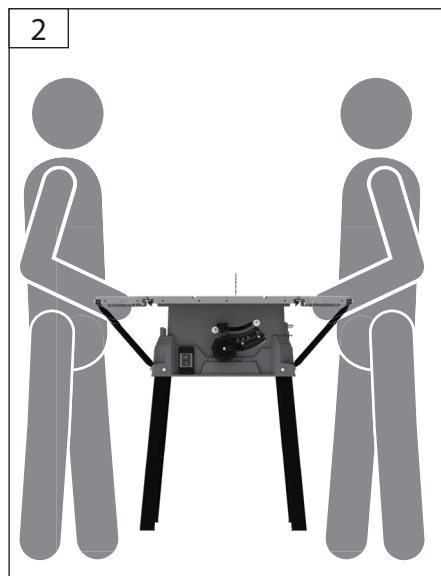
SAWBLADE CHANGE







TRANSPORT / STORAGE

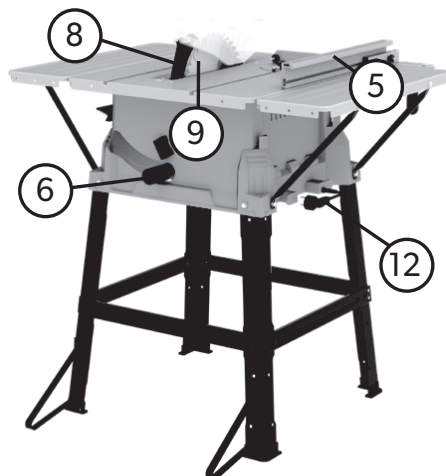
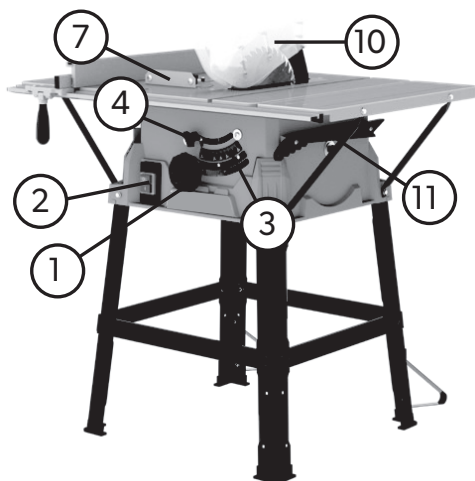


SPECIFICATIONS

Rated Voltage	230V~50Hz
Input power	1500W (S1)
No-load Speed	4800/min
Blade size	Ø254xØ30x24T
Depth of cut@ 90°	87mm
Depth of cut@ 45°	55mm
Table size	546x630mm
Table width extension	190x630mm
Table rear extension	250x540mm
Weight	21.5 kg



FUNCTIONS



1. Height adjusting handwheel
2. On/off Button
3. Bevel scale
4. Locking screw tilting adjustment
5. Fence
6. Suction socket

7. Miter gauge
8. Riving knife
9. Saw blade
10. Blade guard
11. Push stick
12. Mains Connection

IMPORTANT SAFETY INFORMATION

General Power Tool Safety Warnings



WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term „power tool“ in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Personal safety

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.
4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
8. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

Power tool use and care

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
8. Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Requirements for operating staff

















The operating staff must carefully read the Operating Instructions before using the appliance. Since the use of the device if handled incorrectly can entail considerable risks, only knowledgeable persons may be entrusted with the use of it. The operator must be appropriately trained in setting up, operating and using the machine.

Qualification: Persons over 16 years of age can only work on the appliance. An exception includes youngsters trained in order to reach knowledge under supervision of the trainer during occupational education.

Minimum age: Persons over 16 years of age can only work on the appliance. An exception includes youngsters trained in order to reach knowledge under supervision of the trainer during occupational education.

Training: Using the appliance only requires corresponding training by a professional or the Operating Instructions. No special training is necessary. The operator is responsible for accidents or risks to third parties.

Note: Symbology

	Class II Double insulated for additional protection
	CE conformity
	Read the instruction manual before using Wear hearing protection while operating the tool
	Wear hand protection Always use breathing apparatus when machining materials which generate dust.
	Wear ear protection.
	Unplug the machine before any work on it.
	Always keep hands away from the path of the saw blade.
	Keep dry at all times. Never expose tool to rain. Forbidden operation for persons with chainlet
	Do not operate the power tool when wearing a tie
	Forbidden operation for persons with long hair.
	Keep bystanders in safe distance from the appliance (at least 5m)
	Warning against dangerous voltage
	Warning against hand injuries
	Warning against thrown-off items
	Safety alert
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

SAFETY INSTRUCTIONS FOR TABLE SAWS

Guarding related warnings

1. Keep guards in place. Guards must be in working order and be properly mounted. A guard that is loose, damaged, or is not functioning correctly must be repaired or replaced.
2. Always use saw blade guard, riving knife and anti-kickback device for every through-cutting operation. The guard, riving knife, and antikickback device help to reduce the risk of injury.
3. Make sure the saw blade is not contacting the guard, riving knife or the workpiece before the switch is turned on. Inadvertent contact of these items with the saw blade could cause a hazardous condition.
4. Adjust the riving knife as described in this instruction manual. Incorrect spacing, positioning and alignment can make the riving knife ineffective in reducing the likelihood of kickback.
5. For the riving knife and anti-kickback device to work, they must be engaged in the workpiece. The riving knife and anti-kickback device are ineffective when cutting workpieces that are too short to be engaged with the riving knife and anti-kickback device. Under these conditions a kickback cannot be prevented by the riving knife and antikickback device.
6. Use the appropriate saw blade for the riving knife. For the riving knife to function properly, the saw blade diameter must match the appropriate riving knife and the body of the saw blade must be thinner than the thickness of the riving knife and the cutting width of the saw blade must be wider than the thickness of the riving knife.

Cutting procedures warnings

1. Danger: Never place your fingers or hands in the vicinity or in line with the saw blade. A moment of inattention or a slip could direct your hand towards the saw blade and result in serious personal injury.
2. Feed the workpiece into the saw blade only against the direction of rotation. Feeding the workpiece in the same direction that the saw blade is rotating above the table may result in the workpiece, and your hand, being pulled into the saw blade.
3. Never use the mitre gauge to feed the workpiece when ripping and do not use the rip fence as a length stop when cross cutting with the mitre gauge. Guiding the workpiece with the rip fence and the mitre gauge at the same time increases the likelihood of saw blade binding and kickback.
4. When ripping, always apply the workpiece feeding force between the fence and the saw blade. Use a push stick when the distance between the fence and the saw blade is less than 150 mm, and use a push block when this distance is less than 50 mm. "Work helping" devices will keep your hand at a safe distance from the saw blade.
5. Use only the push stick provided by the with the instructions. This push stick provides sufficient distance of the hand from the saw blade.
6. Never use a damaged or cut push stick. A damaged push stick may break causing your hand to slip into the saw blade.
7. Do not perform any operation "freehand". Always use either the rip fence or the mitre gauge to position and guide the workpiece. "Freehand" means using your hands to support or guide the workpiece, in lieu of a rip fence or mitre gauge. Freehand sawing leads to misalignment, binding and kickback.
8. Never reach around or over a rotating saw blade. Reaching for a workpiece may lead to accidental contact with the moving saw blade.
9. Provide auxiliary workpiece support to the rear and/or sides of the saw table for long and/or wide workpieces to keep them level. A long and/or wide workpiece has a tendency to pivot on the table's edge, causing loss of control, saw blade binding and kickback.
10. Feed workpiece at an even pace. Do not bend or twist the workpiece. If jamming occurs, turn the tool off immediately, unplug the tool then clear the jam. Jamming the saw blade by the workpiece can cause kickback or stall the motor.
11. Do not remove pieces of cut-off material while the saw is running. The material may become trapped between the fence or inside the saw blade guard and the saw blade pulling your fingers into the saw blade. Turn the saw off and wait until the saw blade stops before removing material.
12. Use an auxiliary fence in contact with the table top when ripping workpieces less than 2 mm thick. A thin workpiece may wedge under the rip fence and create a kickback.

Kickback causes and related warnings

Kickback is a sudden reaction of the workpiece due to a pinched, jammed saw blade or misaligned line of cut in the workpiece with respect to the saw blade or when a part of the workpiece binds between the saw blade and the rip fence or other fixed object.

Most frequently during kickback, the workpiece is lifted from the table by the rear portion of the saw blade and is propelled towards the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

1. Never stand directly in line with the saw blade. Always position your body on the same side of the saw blade as the fence. Kickback may propel the workpiece at high velocity towards anyone standing in front and in line with the saw blade.
2. Never reach over or in back of the saw blade to pull or to support the workpiece. Accidental contact with the saw blade may occur or kickback may drag your fingers into the saw blade.
3. Never hold and press the workpiece that is being cut off against the rotating saw blade. Pressing the workpiece being cut off against the saw blade will create a binding condition and kickback.
4. Align the fence to be parallel with the saw blade. A misaligned fence will pinch the workpiece against the saw blade and create kickback.
5. Use a featherboard to guide the workpiece against the table and fence when making nonthrough cuts such as rabbeting. A featherboard helps to control the workpiece in the event of a kickback.
6. Use extra caution when making a cut into blind areas of assembled workpieces. The protruding saw blade may cut objects that can cause kickback.
7. Support large panels to minimise the risk of saw blade pinching and kickback. Large panels tend to sag under their own weight. Support(s) must be placed under all portions of the panel overhanging the table top.
8. Use extra caution when cutting a workpiece that is twisted, knotted, warped or does not have a straight edge to guide it with a mitre gauge or along the fence. A warped, knotted, or twisted workpiece is unstable and causes misalignment of the kerf with the saw blade, binding and kickback.
9. Never cut more than one workpiece, stacked vertically or horizontally. The saw blade could pick up one or more pieces and cause kickback.
10. When restarting the saw with the saw blade in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged in the material. If the saw blade binds, it may lift up the workpiece and cause kickback when the saw is restarted.
11. Keep saw blades clean, sharp, and with sufficient set. Never use warped saw blades or saw blades with cracked or broken teeth. Sharp and properly set saw blades minimise binding, stalling and kickback.

Table saw operating procedure warnings

1. Turn off the table saw and disconnect the battery pack when removing the table insert, changing the saw blade or making adjustments to the riving knife, antikickback device or blade guard, and when the machine is left unattended. Precautionary measures will avoid accidents.
2. Never leave the table saw running unattended. Turn it off and don't leave the tool until it comes to a complete stop. An unattended running saw is an uncontrolled hazard.
3. Locate the table saw in a well-lit and level area where you can maintain good footing and balance. It should be installed in an area that provides enough room to easily handle the size of your workpiece. Cramped, dark areas, and uneven slippery floors invite accidents.
4. Frequently clean and remove sawdust from under the saw table and/or the dust collection device. Accumulated sawdust is combustible and may self-ignite.
5. The table saw must be secured. A table saw that is not properly secured may move or tip over.
6. Remove tools, wood scraps, etc. from the table before the table saw is turned on. Distraction or a potential jam can be dangerous.
7. Always use saw blades with correct size and shape (diamond versus round) of arbour holes. Saw blades that do not match the mounting hardware of the saw will run off-centre, causing loss of control.
8. Never use damaged or incorrect saw blade mounting means such as flanges, saw blade washers, bolts or nuts. These mounting means were specially designed for your saw, for safe operation and optimum performance.
9. Never stand on the table saw, do not use it as a stepping stool. Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
10. Make sure that the saw blade is installed to rotate in the proper direction. Do not use grinding wheels, wire brushes, or abrasive wheels on a table saw. Improper saw blade installation or use of accessories not recommended may cause serious injury.

SPECIFIED CONDITIONS OF USE

Use this table saw to cut only wood and wood like products.

Never use the table saw to cut materials other than those specified in the instruction manual.

Residual Risk

Rip cutting, cross cutting, mitre cutting and bevel cutting using max. one mounted saw blade.

RESIDUAL RISK

Despite the observance of the operating instructions there still may be some hidden residual risks.

 **Risk of injury!**

Always keep hands away from the path of the saw blade.

In spite of compliance with all relevant design regulations, dangers may still present themselves when the machine is operated, e.g.:

- Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- noise emissions
- wood dust emissions.

EMERGENCY PROCEDURE

Conduct a first-aid procedure adequate to the injury and summon qualified medical attendance as quickly as possible. Protect the injured person from further harm and calm them down.

If you seek help, state the following pieces of information:

1. Accident site ,
2. Accident type,
3. Number of injured persons,
4. Injury type(s)

MAINTENANCE

 Unplug the machine before any work on it.

Prior to every use, visually check the machine to rule out any defects, in particular on the power cable and the plug.

WARNING The appliance must not be used if damaged or safety equipment is defective. Replace any worn-out and damaged parts.

If the device is defective, the repair has to be made exclusively by the customer service.

Use only original accessories and original spare parts.

Only a regularly maintained and treated appliance can serve as a satisfactory aid. Insufficient maintenance and care can lead to unforeseen accidents and injuries.

DISPOSAL



The disposal instructions are based on the icons placed on the appliance or its package.

Transport packaging disposal

The packaging protects the machine against damage during transport. Packaging materials are usually chosen based on environment aspects and waste treatment principles and are therefore recyclable. Returning the packaging into material circulation saves raw materials and reduces waste production. Parts of packagings (e.g. foils, styropor) can be dangerous for children.

Do not dispose of electrical appliances in household waste; use the local collection points. Ask your local authority where the collection points are to be found.

If electrical equipment is disposed of in an uncontrolled manner, weathering can lead to dangerous substances entering the groundwater and from there the food chain, or the flora and fauna can be poisoned for years. If you replace the device with a new one, the seller is legally obliged at the least to take back the old one to be disposed of free of charge.

TROUBLESHOOTING

FAILURES	POSSIBLE CAUSES	RECOMMENDED SOLUTION
Not working when pressing the on-off switch.	No electricity	Check the electricity supply
	On/off switch is defective	Have on-off switch replaced by an approved after-sales service team.
Device is not running at full speed or unusual sounds from motor.	Motor is overheating	Turn off device and leave to cool for 30 minutes.
	Motor defective	Have on-off switch replaced by an approved after-sales service team.

CE DECLARATION OF CONFORMITY

WE
SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA

Declare that the product
79660
Table saw

Complies with the essential health and safety requirements
of the following Directives:
EC Council Directive 2006/42/EC
Machinery

Standards and technical specifications referred to:

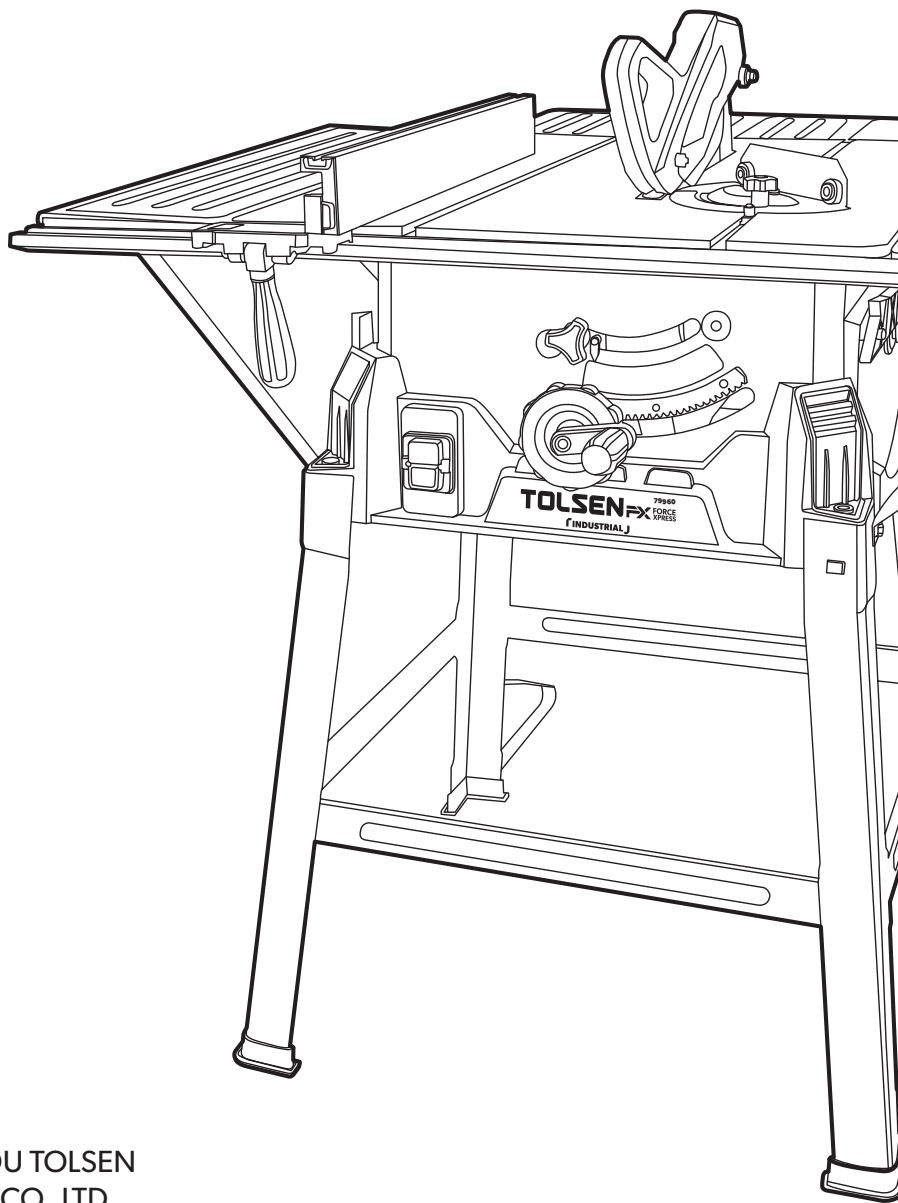
EN 62841-1:2015
EN 62841-3-1:2014/A11:2017
AfPS GS 2019:01 PAK
EN 55014-1:2017/A11:2020
EN 55014-2:2015
EN 61000-3-2:2014
EN IEC 61000-3-2:2019
EN 61000-3-11:2000
EN IEC 61000-3-11:2019

Authorised Signatory and technical file holder

Signed for and on behalf of:
SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA
ZHANG XING YU
Group Quality Director

on:26/05/2020





SUZHOU TOLSEN
TOOLS CO.,LTD.

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