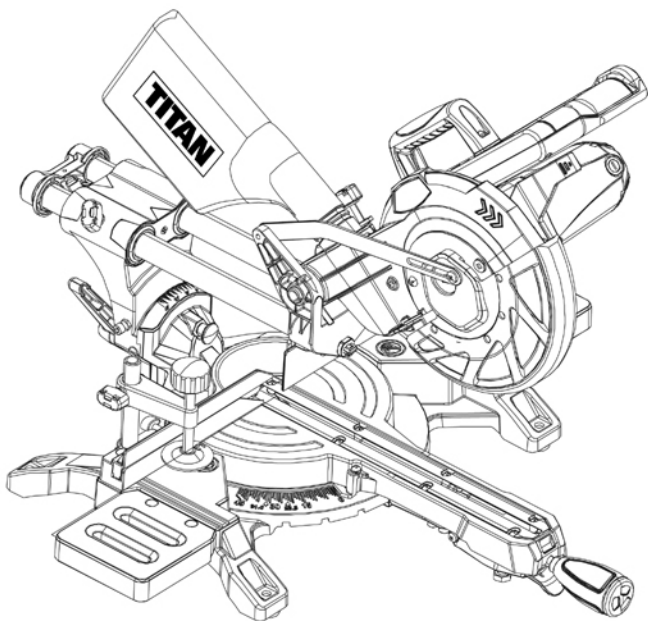


TITAN

210 mm Sliding Mitre Saw



TTB794MSW

EAN: 5059340163017

WARNING: Read the instructions before using the product!



BX220IM

Let's get started...

These instructions are for your safety. Please read through them thoroughly before use and retain them for future reference.



Getting **started**... 02

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Safety warnings

General power tool safety warnings



WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below 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

- > **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- > **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.
- > **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

- > **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.
- > **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.

Safety warnings

- > **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- > **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.
- > **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.
- > **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

- > **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.
- > **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.
- > **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.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

- > **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.
- > **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- > **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- > **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.
- > **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

- > **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.
- > **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.
- > **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.

Safety warnings

- > **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.
- > **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.
- > **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- > **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.
- > **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 tools serviced by a qualified repair person using only identical replacement parts.** This will ensure that safety of the power tool is maintained.

Safety warnings for mitre saws

- > **Mitre saws are intended to cut wood or wood-like products, they cannot be used with abrasive cut-off wheels for cutting ferrous material such as bars, rods, studs, etc.** Abrasive dust causes moving parts such as the lower guard to jam. Sparks from abrasive cutting will burn the lower guard, the kerf insert and other plastic parts.
- > **Use clamps to support the workpiece whenever possible.** If supporting the workpiece by hand, you must always keep your hand at least 100 mm from either side of the saw blade. **Do not use this saw to cut pieces that are too small to be securely clamped or held by hand.** If your hand is placed too close to the saw blade, there is an increased risk of injury from blade contact.
- > **The workpiece must be stationary and clamped or held against both the fence and the table. Do not feed the workpiece into the blade or cut “freehand” in any way.** Unrestrained or moving workpieces could be thrown at high speeds, causing injury.
- > **Push the saw through the workpiece. Do not pull the saw through the workpiece. To make a cut, raise the saw head and pull it out over the workpiece without cutting, start the motor, press the saw head down and push the saw through the workpiece.** Cutting on the pull stroke is likely to cause the saw blade to climb on top of the workpiece and violently throw the blade assembly towards the operator.
- > **Never cross your hand over the intended line of cutting either in front or behind the saw blade.** Supporting the workpiece “cross handed” i.e. holding the workpiece to the right of the saw blade with your left hand or vice versa is very dangerous.

Safety warnings

- > **Do not reach behind the fence with either hand closer than 100 mm from either side of the saw blade, to remove wood scraps, or for any other reason while the blade is spinning.** The proximity of the spinning saw blade to your hand may not be obvious and you may be seriously injured.
- > **Inspect your workpiece before cutting.** If the workpiece is bowed or warped, clamp it with the outside bowed face toward the fence. Always make certain that there is no gap between the workpiece, fence and table along the line of the cut. Bent or warped workpieces can twist or shift and may cause binding on the spinning saw blade while cutting. There should be no nails or foreign objects in the workpiece.
- > **Do not use the saw until the table is clear of all tools, wood scraps, etc., except for the workpiece.** Small debris or loose pieces of wood or other objects that contact the revolving blade can be thrown with high speed.
- > **Cut only one workpiece at a time.** Stacked multiple workpieces cannot be adequately clamped or braced and may bind on the blade or shift during cutting.
- > **Ensure the mitre saw is mounted or placed on a level, firm work surface before use.** A level and firm work surface reduces the risk of the mitre saw becoming unstable.
- > **Plan your work. Every time you change the bevel or mitre angle setting, make sure the adjustable fence is set correctly to support the workpiece and will not interfere with the blade or the guarding system.** Without turning the tool "ON" and with no workpiece on the table, move the saw blade through a complete simulated cut to assure there will be no interference or danger of cutting the fence.

- >**Provide adequate support such as table extensions, saw horses, etc. for a workpiece that is wider or longer than the table top.** Workpieces longer or wider than the mitre saw table can tip if not securely supported. If the cut-off piece or workpiece tips, it can lift the lower guard or be thrown by the spinning blade.
- >**Do not use another person as a substitute for a table extension or as additional support.** Unstable support for the workpiece can cause the blade to bind or the workpiece to shift during the cutting operation pulling you and the helper into the spinning blade.
- >**The cut-off piece must not be jammed or pressed by any means against the spinning saw blade.** If confined, i.e. using length stops, the cut-off piece could get wedged against the blade and thrown violently.
- >**Always use a clamp or a fixture designed to properly support round material such as rods or tubing.** Rods have a tendency to roll while being cut, causing the blade to “bite” and pull the work with your hand into the blade.
- >**Let the blade reach full speed before contacting the workpiece.** This will reduce the risk of the workpiece being thrown.
- >**If the workpiece or blade becomes jammed, turn the mitre saw off. Wait for all moving parts to stop and disconnect the plug from the power source and/or remove the battery pack. Then work to free the jammed material.** Continued sawing with a jammed workpiece could cause loss of control or damage to the mitre saw.
- >**After finishing the cut, release the switch, hold the saw head down and wait for the blade to stop before removing the cut-off piece.** Reaching with your hand near the coasting blade is dangerous.

Safety warnings

> **Hold the handle firmly when making an incomplete cut or when releasing the switch before the saw head is completely in the down position.** The braking action of the saw may cause the saw head to be suddenly pulled downward, causing a risk of injury.

Additional safety warnings for mitre saw

- > Use only saw blades recommended by the manufacturer for wood and analogous materials.
- > Pay attention to the cutting capacities mentioned in the technical data.
- > Pay attention to the maximum bevel angle and mitre angle settings mentioned in the technical data.
- > Use only a saw blade diameter in accordance with the markings on the saw and information about the bore diameter and the maximum kerf of the saw blade.
- > Use only saw blades that are marked with a speed equal or higher than the speed marked on the tool.
- > During blade changing procedure, the rotation direction arrow on the saw blade should comply with the one on the upper fixed blade guard.
- > Pay attention to the setting device(s) and the locking device(s) for the mitre angle and bevel angle mentioned in the controls.
- > Turn the lower retractable blade guard by hand to test if it is rotating smoothly.
- > Pay attention to how to connect dust extraction systems mentioned in assembly.
- > Ensure that the mitre saw is always stable and secure.
- > Always fix and use the extension supporter during operation.
- > Use additional supports if needed to ensure the stability of the workpiece.

- >The power tool shall not be wet or applied in wet environment.
- >Check the product, its power cord and plug as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear.
- >Double check that the accessories and attachments are properly fixed.
- >Always hold the product on its handle. Keep the handle dry to ensure safe support.
- >Ensure that the air vents are always unobstructed and clear. Clean them if necessary with a soft brush. Blocked air vents may lead to overheating and damage the product.
- >Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before putting it down.
- >Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.

Vibration and noise reduction

To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment.

Take the following points into account to minimise the vibration and noise exposure risks:

- >Only use the product as intended by its design and these instructions.
- >Ensure that the product is in good condition and well maintained.
- >Use correct cutting attachments for the product and ensure they are in good condition.
- >Keep tight grip on the handle / gripping surfaces.

Safety warnings

- > Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
- > Plan your work schedule to spread any high vibration tool use across a longer period of time.

Emergency

Familiarise yourself with the use of this product by means of this instruction manual. Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.

- > **Always be alert when using this product, so that you can recognise and handle risks early.** Fast intervention can prevent serious injury and damage to property.
- > **Switch off and disconnect from the power supply if there are malfunctions.** Have the product checked by a qualified professional and repaired, if necessary, before you operate it again.

Residual risks

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:

- > Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
- > Injuries and damage to property due to broken cutting attachments or the sudden impact of hidden objects during use.
- > Danger of injury and property damage caused by flying objects.



WARNING! This product produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this product!

The following information applies to professional users only but is good practice for all users:

Additional safety warnings for construction dust

The updated Control of Substances Hazardous to Health Regulations 1st October 2012 now also targets to reduce the risks associated with silica, wood and gypsum dusts. Construction workers are one of the at-risk groups within this because of the dust that they breathe: silica dust is not just a nuisance; it is a real risk to your lungs!

Silica is a natural mineral present in large amounts in things like sand, sandstone and granite. It is also commonly found in many construction materials such as concrete and mortar. The silica is broken into very fine dust (also known as Respirable Crystalline Silica or RCS) during many common tasks such as cutting, drilling and grinding.

Breathing in very fine particles of crystalline silica can lead to the development of:

Lung cancer

Silicosis

Chronic Obstructive Pulmonary Disorder (Chronic obstructive pulmonary disease (COPD))

Safety warnings

And breathing in fine particles of wood dust can lead to the development of Asthma. The risk of lung disease is linked to people who regularly breathe construction dust over a period of time, not on the odd occasion.

To protect the lung, the COSHH Regulations sets a limit on the amount of these dusts that you can breathe (called a Workplace Exposure Limit or WEL) when averaged over a normal working day. These limits are not a large amount of dust: when compared to a penny it is tiny – like a small pinch of salt:

This limit is the legal maximum; the most you can breathe after the right controls have been used.

How to reduce the amount of dust?

- >Reduce the amount of cutting by using the best sizes of building products.
- >Use a less powerful tool e.g. a block cutter instead of angle grinder.
- >Using a different method of work altogether – e. g. using a nail gun to direct fasten cable trays instead of drilling holes first.

Please always work with approved safety equipment, such as those dust masks that specially designed to filter out microscopic particles and use the dust extraction facility at all time.

For more information, please see the HSE website:

<http://www.hse.gov.uk/construction> or <http://www.hse.gov.uk/pubns/cis69.pdf>



WARNING! Some dust particles created by power sanding, sawing, grinding, drill and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm!

Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated timber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

NOISE

SEE TECHNICAL SPECIFICATIONS IN THE INSTRUCTION MANUAL FOR THE NOISE LEVELS OF YOUR TOOL.

The declared noise emission value(s) has been measured in accordance with EN 62841-1 and EN 62841-3-9 and may be used for comparing one tool with another.

The declared noise emission value(s) may also be used in a preliminary assessment of exposure.



WARNING! The noise emission during actual use of the power tool can differ from the declared values depending on the ways in which the tool is used especially what kind of workpiece is processed.

Safety warnings



WARNING! Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Health surveillance

All employees should be part of an employer's health surveillance scheme to help identify any noise related diseases at an early stage, prevent disease progression and help employees stay in work.

And breathing in fine particles of wood dust can lead to the development of Asthma. The risk of lung disease is linked to people who regularly breathe construction dust over a period of time, not on the odd occasion.

Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

V~	Volt, (alternating voltage)	mm	Millimetre
Hz	Hertz	kg	Kilogram
W	Watt	dB(A)	Decibel (A-rated)
/min or min ⁻¹	Per minute	m/s ²	Metre per second squared



Lock / to tighten or secure.



Unlock / to loosen.



Note / Remark.



Caution / Warning.



Read the instruction manual.



Wear hearing protection.



Wear eye protection.



Wear a dust mask.



Wear protective gloves.

yyWxx

Manufacturing date code; year of manufacturing (20yy) and week of manufacturing (Wxx)



Switch the product off and disconnect it from the power supply before assembly, cleaning, adjustments, maintenance, storage and transportation.



Do not expose the product to rain or wet conditions.



Blade for cutting wood.



This product is of protection class II. That means it is equipped with enhanced or double insulation.



Keep your hands away!

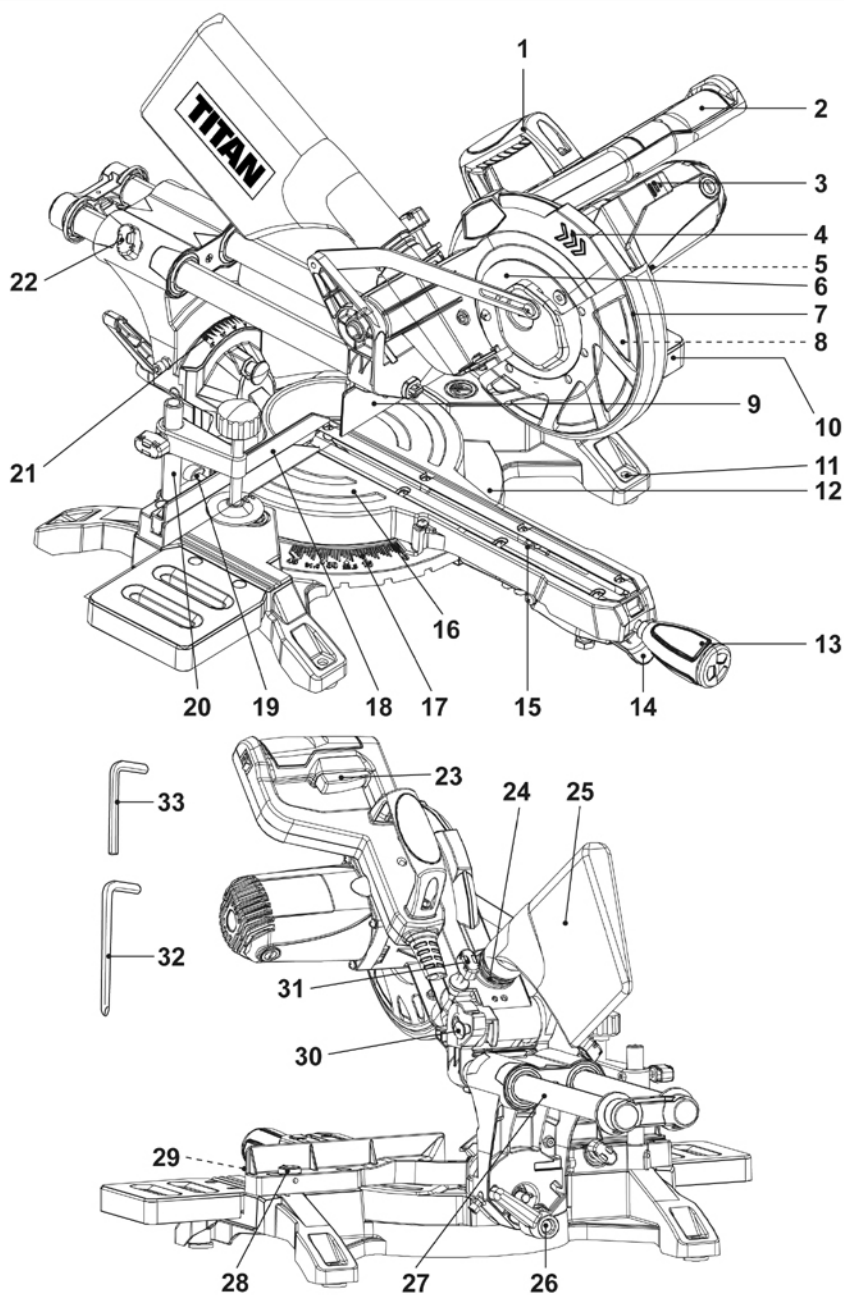


The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.

Your product



- | | |
|--|---|
| 1. Transport handle | 18. Left adjustable fence |
| 2. Operation handle | 19. Left adjustable fence locking knob |
| 3. Retractable blade guard release lever | 20. Workpiece clamp |
| 4. Upper fixed blade guard | 21. Bevel scale |
| 5. Spindle locking button | 22. Sliding locking knob |
| 6. Guard mounting plate | 23. On/off switch |
| 7. Lower retractable blade guard | 24. Dust extraction outlet |
| 8. Saw blade* | 25. Dust collection bag |
| 9. Right fixed fence | 26. Bevel locking handle |
| 10. Table extension (left & right) | 27. Sliding bar |
| 11. Mounting hole (X 4) | 28. Workpiece clamp holder (left & right) |
| 12. Base | 29. Support bolt |
| 13. Turntable locking handle | 30. Locking bolt |
| 14. Mitre angle adjustment lever | 31. Cutting depth gauge |
| 15. Table insert | 32. Hex key (6 mm) with crosshead screwdriver |
| 16. Turntable | 33. Hex key (5 mm) |
| 17. Mitre scale | |




NOTE: Parts marked with * are not shown in this overview. Please refer to the respective section in the instruction manual.

Getting started...

Technical specifications

General

- > **Rated voltage, frequency** : 220 - 240 V~, 50 Hz
- > **Rated power input** : 1500 W (S1), 1600 W (S6 35%)
- > **Rated no load speed n_0** : 5000 min⁻¹
- > **Protection class** : II 
- > **Weight** : approx. 11.02 kg

Cutting capacity

- > **Mitre capacity** : -45° - +45°
- > **Bevel capacity** : 0° - 45° (L)
- > **Mitre / Bevel 0° / 0°** : 310 x 60 mm
- > **Mitre / Bevel 0° / 45°** : 310 x 36 mm
- > **Mitre / Bevel 45° / 0°** : 210 x 60 mm
- > **Mitre / Bevel 45° / 45°** : 210 x 36 mm

Technical specifications

Saw blade

- > Outer diameter : Ø 210 mm
- > Bore diameter : Ø 30 mm
- > Thickness : 2.8 mm
- > Teeth number : 48 T
- > Max. speed n_{max} : 7000 min⁻¹
- > Cutting material : wood

Noise level

- > Sound pressure level L_{pA}
(at the operator's position) : 94 dB(A)
- > Uncertainty K_{pA} : 3 dB(A)
- > Sound power level L_{WA} : 107 dB(A)
- > Uncertainty K_{WA} : 3 dB(A)

The sound values have been determined according to noise test code given in EN 62841-1 and EN 62841-3-9, using the basic standards EN ISO 11201 and EN ISO 3744.

The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

Rating Label Explanation

TTB794MSW

TT = TITAN

B = 240V AC

794 = VERSION NUMBER

MSW = MITRE SAW

Unpacking

- > Unpack all parts and lay them on a flat, stable surface.
- > Remove all packing materials and shipping devices, if applicable.
- > Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or damaged do not use the product and contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
- > Ensure all the accessories and tools needed for assembly and operation are at your disposal, including suitable personal protective equipment.



WARNING! The product and the packaging are not children's toys! Keep plastics bags, sheets and small parts away from children. There is a danger of choking and suffocation!

You will need

(items not supplied)

Suitable personal protective equipment
Mounting material (e. g. mounting set, working tools etc.)

(items supplied)

Hex key (6 mm) with crosshead screwdriver (32)
Hex key (5 mm) (33)

Assembly



WARNING! The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts!



Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product!

Do not connect the product to power supply before it is completely assembled!



NOTE: Take care of small parts that are removed during assembly or when making adjustments. Keep them secure to avoid loss.

Assembly

Operating position

- > Push the operating handle (2) downwards (Fig. 1, step 1) and pull the locking bolt (30) outwards (step 2) all the way to the stop.
- > Lift the operating handle (2) to its full height (step 3).

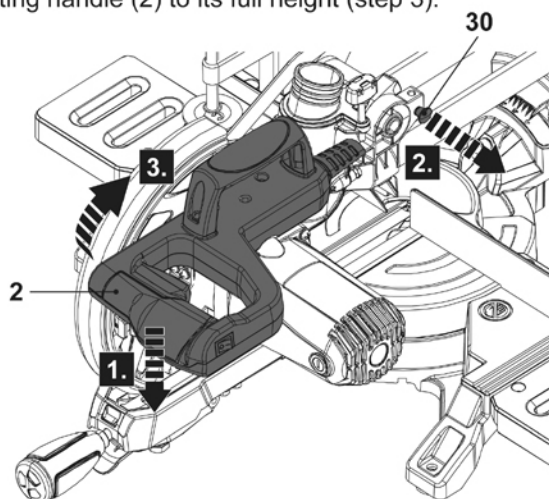


Fig. 1

Turntable locking handle

- > Insert the shaft into the opening and screw the turntable locking handle (13) onto the product (Fig. 2, step 1).
- > Tighten the locking handle afterward (Fig. 2, step 2).

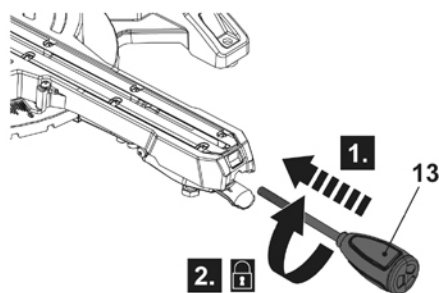


Fig. 2

Table extension



NOTE: Always use the table extension during operation to ensure the stability of the workpiece.

- > Loosen and remove the screws with the hex key (5 mm) (33) from the base (12).
- > Align the holes on the table extension (10) with the holes on the base (Fig. 3).
- > Tighten the screws to secure the table extension on the base.
- > Repeat the same steps for the other table extension.

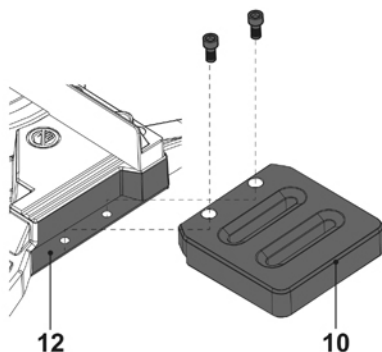


Fig. 3

Workpiece clamp

The workpiece clamp (20) is pre-assembled (Fig. 4). Insert the height adjustment pillar (20d) into the workpiece clamp holder (28) on either side of the base if necessary.

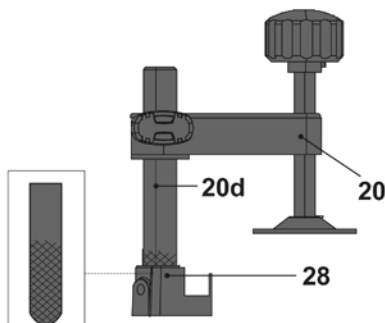


Fig. 4



NOTE: Attach the workpiece clamp (20) on the right side only if the bevel angle and the mitre angle is adjusted so that the motor housing does not interfere with the clamp.

Assembly

Dust collection bag



WARNING! Always attach a dust extraction device when using this product to keep the working area clean!



Wear a dust mask when operating this product! Dust can be harmful to health!

- > Attach the dust collection bag (25) onto the dust extraction outlet (24) (Fig. 5). Ensure the fastening clamp (25a) of the dust collection bag sits properly around the dust extraction outlet.
- > Open the zipper (25b) to empty the dust collection bag.

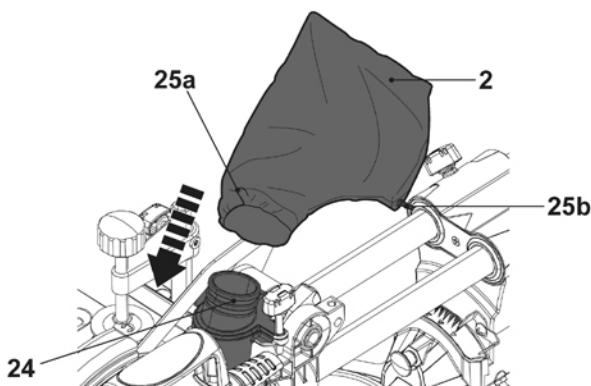


Fig. 5

Bench mounting



WARNING! Make sure that the mounting surface is not warped as an uneven surface can cause binding and inaccurate sawing!

- > There are 4 mounting holes (11) on the base to facilitate bench mounting.
- > Place the product on a level, horizontal bench or work table and fix the product on it with 4 mounting sets (not provided).



WARNING! For stability, adjust the support bolt (29) to ensure contact with the bench surface.

- > Carefully check the workbench or work table after mounting to ensure no movement can occur during use. Secure the workbench or work table to the floor before operating in case of tipping, sliding or other movement.

Connection to power supply

- > Ensure the on/off switch (23) is not pressed



WARNING! Check the voltage! The voltage must comply with the information on the rating label!

- > Connect the plug with a suitable socket.
- > Your product is now ready to be used.



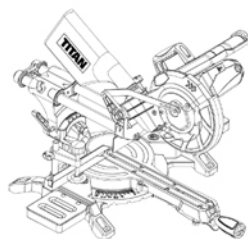
WARNING! Check the function of the lower retractable blade guard (7) before each use!

Press the retractable blade guard release lever (3) rightwards and rotate the retractable lower blade guard to open it completely. Release the lever and ensure the retractable lower blade guard shall not jam but moves back to original closed position freely all the way!

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Intended use

This sliding mitre saw TTB794MSW is designated with a rated input of 1500 Watts (S1).

This product is intended as a stationary machine for making straight lengthways and crossways cuts in wood and materials that are similar to wood (e. g. plywood, MDF and chipboard).

This product should not be used on other materials or those harmful to health. It is to be used for dry operation only.

For safety reasons it is essential to read the entire instruction manual before first operation and to observe all the instructions therein.

Mitre angle adjustment

- > Turn the turntable locking handle (13) anti-clockwise to loosen it (Fig. 6, step 1).
- > Squeeze the mitre angle adjustment lever (14) upwards and hold it in position (step 2).
- > Hold the turntable locking handle and rotate the turntable (16) until the mitre angle pointer (17a) aligns with the required angle on the mitre scale (17) (step 3).
- > Tighten the turntable locking handle (13) afterward (step 4).

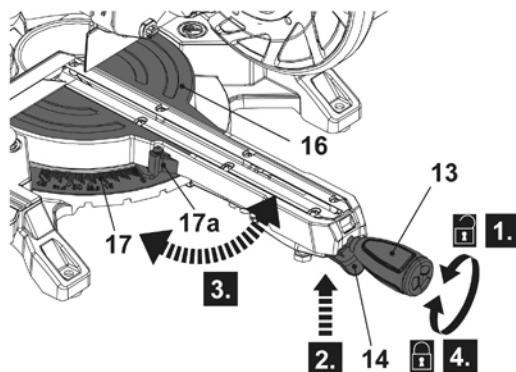


Fig. 6

Bevel angle adjustment

- > Loosen the bevel locking handle (26) (Fig. 7, step 1).
- > Move the operating handle (2) (step 2) until the bevel angle pointer (21a) aligns with the required angle on the bevel scale (21).
- > Tighten the bevel locking handle (step 3).

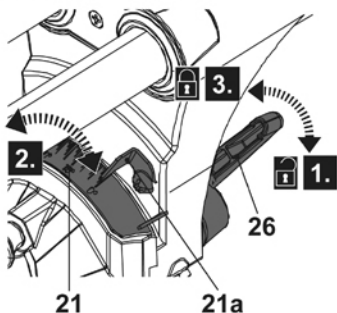


Fig. 7



WARNING: Always ensure the saw blade does not interfere with the fence or any other parts. Remove the fence if necessary.



WARNING! Always check the bevel locking handle (26) before working. A loose bevel locking handle may cause serious injury.

Workpiece clamp

The workpiece clamp (20) can be assembled on either side of the base (12).



NOTE: Attach the workpiece clamp (20) on the right side only if the bevel angle and the mitre angle is adjusted so that the motor housing does not interfere with the clamp.

Use the clamp to support work pieces of different thickness by adjusting the height of the bracket (20b) and plate (20e).

Workpiece clamp

- > Loosen the locking knob (20c) (Fig. 8, step 1) on the height adjustment pillar (20d) and adjust the bracket (20b) to the required height (step 2). Tighten the locking knob to secure the bracket (step 3).
- > Adjust the height of the plate (20e) by screwing the height adjustment knob (20a) clockwise or anticlockwise.
- > Rotate the height adjustment knob (20a) clockwise to secure the workpiece before operation (step 4).

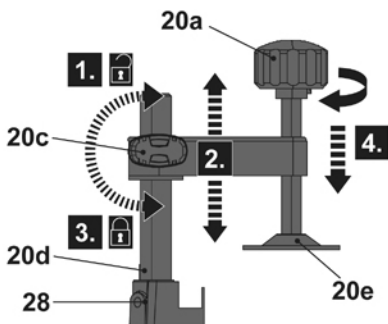


Fig. 8



NOTE: Add a small scrap piece of thin plywood under the screw clamp to avoid marking the workpiece.

Fence

- > Loosen the fence locking knob (19) in anti-clockwise direction. (Fig. 9, step 1).
- > Slide the fence (18) to required position (step 2). The left adjustable fence (18) can be removed during operation if necessary.
- > Tighten the fence locking knob (19) (step 3).

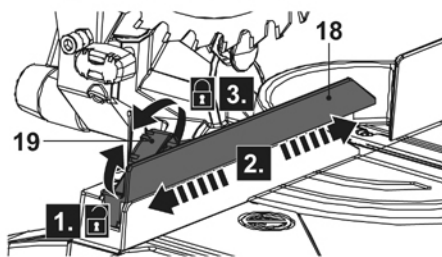


Fig. 9



WARNING! After adjusting the fence, always check that the blade does not make contact with it when blade is lowered to cutting position.

In more detail...

Slide cutting adjustment

Use slide cutting to saw a workpiece that is larger than the maximum cutting length of the saw blade.

- > Loosen the slide locking knob (22) (Fig. 10, step 1) to allow the cutting head to slide freely (step 2) on the sliding bar (27).

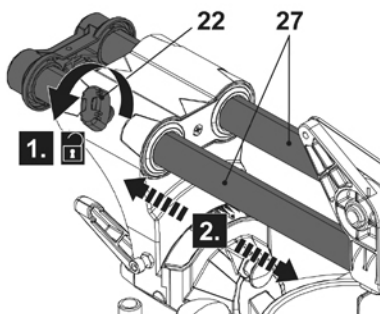


Fig. 10

Cutting depth gauge

Use the cutting depth gauge (31) to limit the cutting depth of the saw blade into the workpiece.

- > Loosen the locking nut (31a) (Fig. 11, step 1).
- > Turn the cutting depth gauge (31) clockwise to decrease the cutting depth (e. g. for non-through cutting operations such as grooving / slotting) (step 2).
- > Turn the cutting depth gauge (31) anticlockwise to increase the cutting depth.
- > Tighten the locking nut (31a) (step 3).

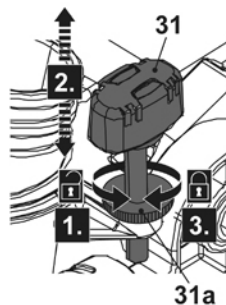


Fig. 11

On/off switch

- > Squeeze the on/off switch (23) to switch the product on (Fig. 12).
- > Release the on/off switch (23) to switch the product off.

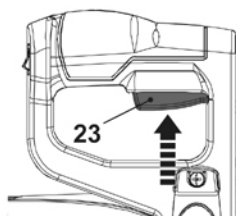


Fig. 12

Slide cutting

Use slide cutting to saw a workpiece that is larger than the maximum cutting length of the saw blade. Slide cutting can be used in mitre, bevel or compound angle adjustment.

- > Set up the product according to the section "Operating position".
- > Loosen the slide locking knob (22) to allow the cutting head to slide freely.
- > Adjust the cutting depth gauge (31) to required cutting depth if necessary.
- > Place the workpiece flat on the turntable (16) with one edge against the fence (9, 18).



NOTE: Place the convex edge of the workpiece against the fence if it is warped. The workpiece could break and jam the saw blade if the concave edge is placed against the fence.

- > Secure the workpiece firmly with the workpiece clamp (20).



WARNING! Turn the lower retractable blade guard (7) by hand to test if it is rotating smoothly. Always ensure it should not flutter or be obstructed.



WARNING! Always ensure the saw blade does not interfere with the fence or any other parts. Remove the fence if necessary.



NOTE: Take the cutting slit into consideration when cutting along marked cutting lines. Do not cut directly on the line but next to it.

- > Pull the operating handle (2) forwards until the centre of the saw blade (8) is directly over the front edge of the workpiece.
- > Hold the operating handle (2) firmly and squeeze the on/off switch (23). Allow the saw blade (8) to reach maximum speed.
- > Press the retractable blade guard release lever (3) and slowly lower the blade to the workpiece.
- > Only apply proper feeding force. Excessive feeding force will not increase but lower the performance of the product, overheat the blade tips and leads to low cutting surface/edge quality.
- > Switch the product off and allow the saw blade to come to a complete stop before lifting it from the workpiece.

In more detail...

Mitre cutting

Mitre cutting is the same as cutting, except that the mitre angle is set to an angle other than 0°.

- > Adjust the turntable (16) to the required mitre angle (refer to "Mitre angle adjustment" section). Make sure the turntable locking handle (13) is locked firmly.
- > Follow the same instruction of "Operation – Slide cutting".

Bevel cutting

Bevel cutting is the same as cutting, except that the saw blade bevel angle is set to an angle other than 0°.

- > Adjust the saw blade (8) to the desired bevel angle (refer to "Bevel angle adjustment" section). Make sure the bevel angle locking handle (26) is locked firmly.
- > Follow the same instruction of "Operation – Slide cutting".

Compound bevel mitre cutting

This sawing operation combines a mitre angle with a bevel angle.

- > Adjust the turntable (16) to the desired mitre angle (refer to "Mitre angle adjustment" section). Make sure the turntable locking handle (13) is locked firmly.
- > Adjust the saw blade to the desired bevel angle (refer to "Bevel angle adjustment" section). Make sure the bevel angle locking lever (26) is locked firmly.
- > Follow the same instruction of "Operation – Slide cutting".

After use

- > Switch the product off, disconnect it from the power supply and let it cool down.
- > Check, clean and store the product as described below.

The golden rules for care



WARNING! Always switch the product off, disconnect it from the power supply and let the product cool down before performing inspection, maintenance and cleaning work!



- > Keep the product clean. Remove debris from it after each use and before storage.
- > Regular and proper cleaning will help ensure safe use and prolong the life of the product.
- > Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.



WARNING! Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

General cleaning

- > Clean the product with a dry cloth. Use a brush for areas that are hard to reach.
- > In particular clean the switches and air vents after every use with a cloth and brush.
- > Remove stubborn dirt with high pressure air (max. 3 bar).



NOTE: Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product as they might be harmful to its surfaces.

- > Check for worn or damaged parts. Replace worn parts as necessary or contact an authorised service centre for repair before using the product again.

Maintenance

Before and after each use, check the product and accessories (or attachments) for wear and damage. If required, exchange them for new ones as described in this instruction manual. Observe the technical requirements.

Saw blade



WARNING! Always use the correct saw blade according to the intended use!



Observe the technical requirements of this product (see section Technical specifications) when purchasing and using saw blades! The saw blade shall comply with EN 847-1.

Only use saw blade which maximum possible speed is equal or higher than the maximum spindle speed of the product.

Saw blades are very sharp and become hot during use! Handle them carefully! Wear safety gloves when handling saw blades in order to avoid injuries like burns and cuts!



WARNING! Always allow the motor of the product to come to a complete stop before engaging the spindle lock!

Always make sure that the spindle lock is disengaged before reconnecting the product to the power supply!



NOTE: The rotational direction arrow on the saw blade (8) should comply with the one on the upper fixed blade guard (4)!

Replace worn or damaged saw blade:

- > Loosen the screw (6a) on the guard mounting plate (6) with the provided tool (32) (Fig. 13, step 1) and remove it from the product.
- > Press the blade guard release lever (3) (step 2) and then rotate the guard mounting plate (6) and lower retractable blade guard (7) upwards (step 3).
- > Reattach the screw (6a) (step 4) to hold the guard mounting plate and expose the saw blade (8).

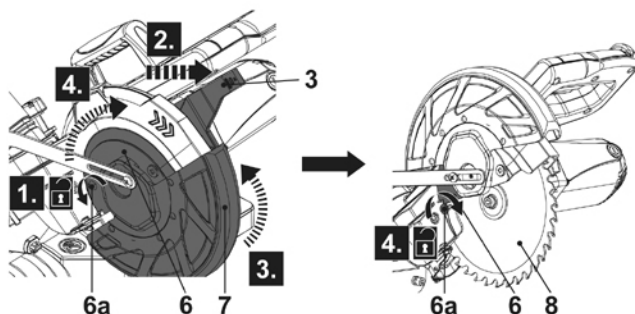


Fig. 13

- > Press the spindle lock button (5) fully and hold it in position (Fig. 14).
- > Turn the clamping screw (8a) slightly with the provided tool (32) until the spindle is locked.
- > Loosen the clamping screw (8a) in clockwise direction and remove it together with the outer flange (8b) and saw blade (8). Do not remove the inner flange (8c) from the spindle (8d).

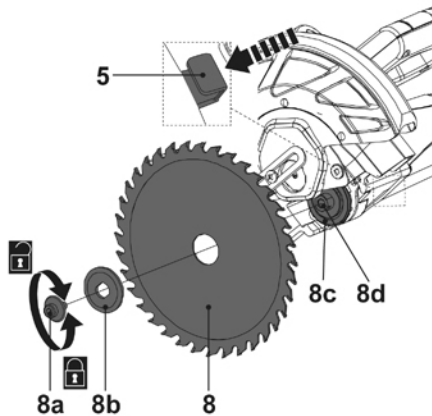


Fig. 14

- > Place a new saw blade on the spindle and make sure that the bore of the saw blade properly fits the inner flange (8c). Ensure that the rotational direction indicated on the saw blade is the same as the one shown on the upper fixed blade guard (4).
- > Secure the saw blade (8) with the outer flange (8b) and clamping screw (8a). Tighten the clamping screw in anti-clockwise direction with the provided tool.
- > Turn the saw blade (8) by hand to test if it is rotating smoothly. It should not flutter.
- > Secure the guard mounting plate (6) and lower retractable blade guard (7) in reverse order as described above.
- > Switch the product on and let it run idle for about one minute, to confirm that the saw blade has been installed properly. If you find any abnormal vibration or excessive noise switch the product off and re-fit the saw blade according to the above instructions.

In more detail...

Power cord

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or its service agent in order to avoid a safety hazard.

UK plug

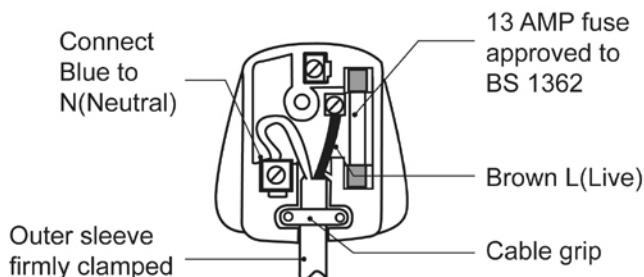
Replacement of the plug shall always be carried out by the manufacturer of the tool or his service organization and follow the instructions below.

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue – Neutral

Brown – Live

As the colours of the wire in the mains lead of this product may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows. The wire, which is coloured blue, must be connected to the terminal, which is marked with N or coloured black. The wire, which is coloured brown, must be connected to the terminal, which is marked L or coloured red.



WARNING! Never connect live or neutral wires to the earth terminal of the plug, which is marked with E.

Only fit an approved BS 1363 or BS 1363/A plug and correctly rated BS 1362 13 Amp fuse. If in doubt, consult a qualified electrician.



NOTE: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.

Repair

This product does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or a similarly qualified person to have it checked and repaired.

There are no spare parts available for this product. Contact an authorised dealer or through our customer service for more information.

Storage

- > Switch the product off and disconnect it from the power supply.
- > Clean the product as described above.
- > Follow the reverse order of "Assembly – Operating position" to set the product at locked position.
- > Store the product and its accessories in a dark, dry, frost-free, well-ventilated place.
- > Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 10 °C and 30 °C.
- > We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

Transportation

- > Switch the product off and disconnect it from the power supply.
- > Transport the product in the locked position as described above.
- > Always carry the product by its base (12) and transport handle (1).
- > Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
- > Secure the product to prevent it from slipping or falling over.

Troubleshooting

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore check the product using this section. In most cases the problem can be solved quickly.



WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible Cause	Solution
1. Product does not start	1.1. Not connected to power supply 1.2. Defective power cord or plug 1.3. Other electrical defect to the product	1.1. Connect to power supply 1.2. Check by a specialist electrician 1.3. Check by a specialist electrician
2. Product does not reach full power	2.1. Extension cord not suitable for operation with this product 2.2. Power source (e. g. generator) with too low voltage 2.3. Blocked air vents	2.1. Use a proper extension cord 2.2. Connect to another power source 2.3. Clean the air vents
3. Product does not cut	3.1. Not connected to power supply 3.2. Saw blade is worn or damaged 3.3. Bevel and mitre angle incorrectly adjusted	3.1. Connect to power supply 3.2. Replace with new one 3.3. Check and adjust according to the instruction manual
4. Unsatisfactory result	4.1. Dull / damaged saw blade 4.2. Cutting angle is incorrect 4.3. Saw blade not suitable for work piece material 4.4. Overheated saw blade 4.5. Workpiece not clamped / placed properly	4.1. Replace with new one 4.2. Adjust the bevel and / or mitre cutting angle 4.3. Use proper saw blade 4.4. Let the work cool down before using again. 4.5. Clamp / place the workpiece properly before cutting
5. Excessive vibration / noise or exhaust	5.1. Saw blade is dull / damaged 5.2. Loose bolts / nuts	5.1. Replace with a new one 5.2. Tighten bolts / nuts

Recycling and disposal

- > The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is working properly. Recycle the package afterwards.
- > WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.



In more detail...

Guarantee

At TITAN we take special care to select high quality materials and use manufacturing techniques that allow us to create ranges of products incorporating design and durability. That's why we offer a 2 year guarantee against manufacturing defects on our TITAN power tool products.

This power tool is guaranteed for 2 years from the date of purchase, if bought in store, delivered or if bought online. You may only make a claim under this guarantee upon presentation of your sales receipt or purchase invoice. Please keep your proof of purchase in a safe place.

This guarantee covers product failures and malfunctions provided the TITAN power tool was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with standard practice and with the information contained above and in the user manual. This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorised agent
- Cosmetic damage
- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee is limited to parts recognised as defective. It does not, in any case, cover ancillary costs (movement, labour) and direct and indirect damage.

If the TITAN power tool is defective during the guarantee period, then we reserve the right, at our discretion, to replace the item with a product of equivalent quality and functionality or to provide a refund.

This guarantee only applies to the country of purchase or delivery and is not transferrable to any other countries. This guarantee is non-transferrable to any other person or product. Relevant local law will apply to this guarantee.

Guarantee related queries should be addressed to a store affiliated with the distributor from where you purchased the TITAN power tool.

This guarantee is in addition to and does not affect your statutory rights relating to faulty goods as a consumer.

EC declaration of conformity



We
Kingfisher International Products B.V.
Rapenburgerstraat 175E
1011 VM Amsterdam
The Netherlands

Declare that the product
< TTB794MSW + 1500W 210mm Sliding Mitre Saw >
Serial number: from 000001 to 999999

Complies with the essential health and safety requirements of the
following Directives:

EC Machinery Directive 2006/42/EC
The EMC Directive 2014/30/EU
2011/65/EU, EU 2015/863 Restrictions of the Use of Certain Hazardous Substances in
Electrical and Electronic Equipment
2012/19/EU Waste Electrical and Electronic Equipment (WEEE)
Standards and technical specifications referred to:
EN 55014-1:2017
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-11:2000
EN 62841-1:2015+AC:15
EN 62841-3-9:2015+AC:16+A11:17

Authorized Signatory and technical file holder
Signed for and on behalf of:

Kingfisher International Products B.V.
Rapenburgerstraat 175E
1011 VM Amsterdam
The Netherlands

Eric Capotummino
Group Quality Director

On: 10/10/2020

In more detail...

TITAN

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Producător, Fabricante:**

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1011 VM Amsterdam
The Netherlands



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