

## **GB** Operating and Safety Instructions

**NL** Bedienings- en veiligheidsvoorschriften

**FR** Instructions d'utilisation et consignes de sécurité

**DE** Gebrauchs- und Sicherheitsanweisung

**IT** Istruzioni per l'uso e la sicurezza

**ES** Instrucciones de uso y de seguridad

**PT** Instruções de Operação e Segurança

**PL** Instrukcja obsługi i bezpieczeństwa

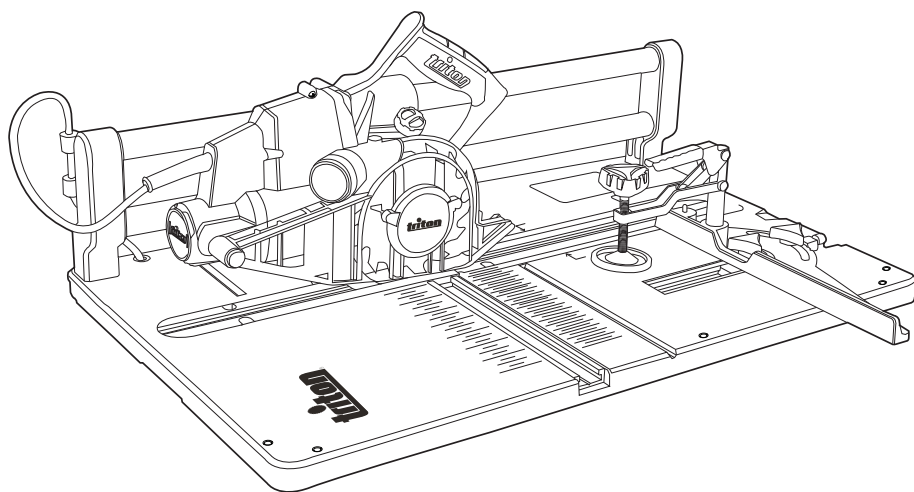
**RU** Инструкции по эксплуатации и правила техники безопасности

**HU** Kezelési és biztonsági utasítások

**CZ** Provozní a bezpečnostní pokyny

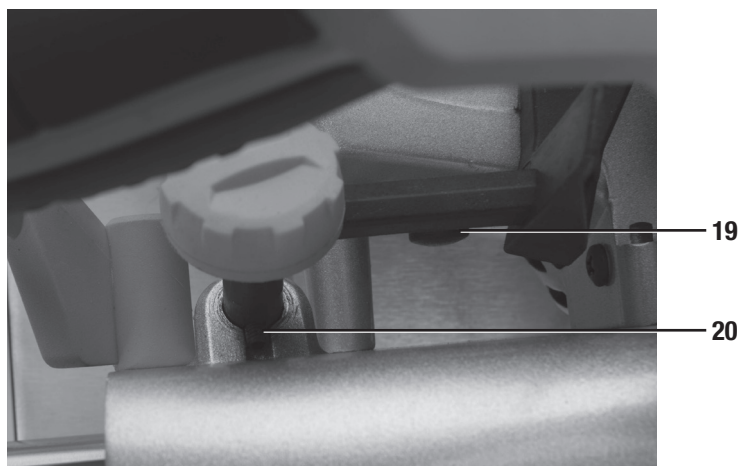
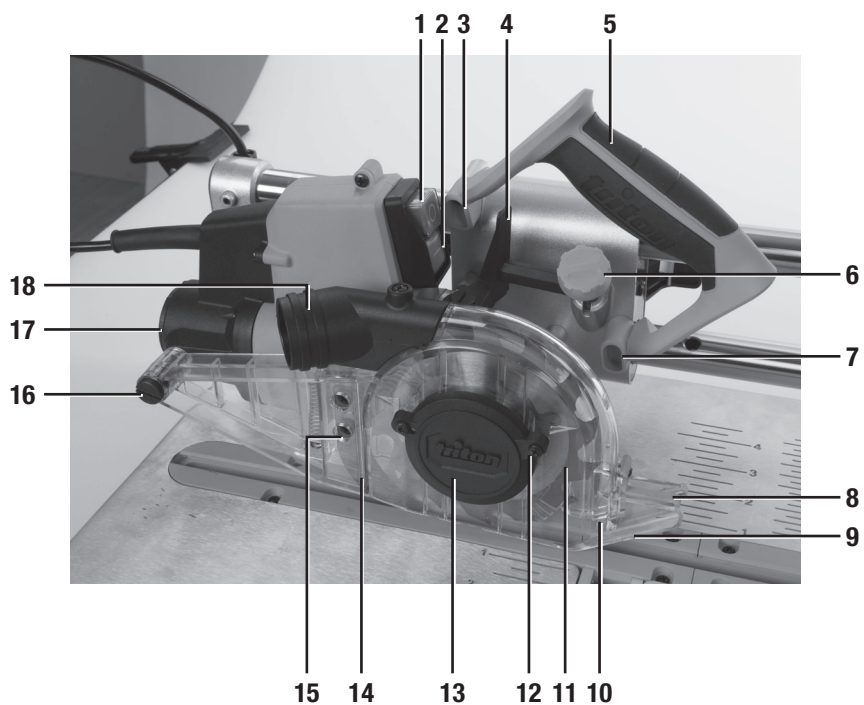
**SK** Prevádzkové a bezpečnostné pokyny

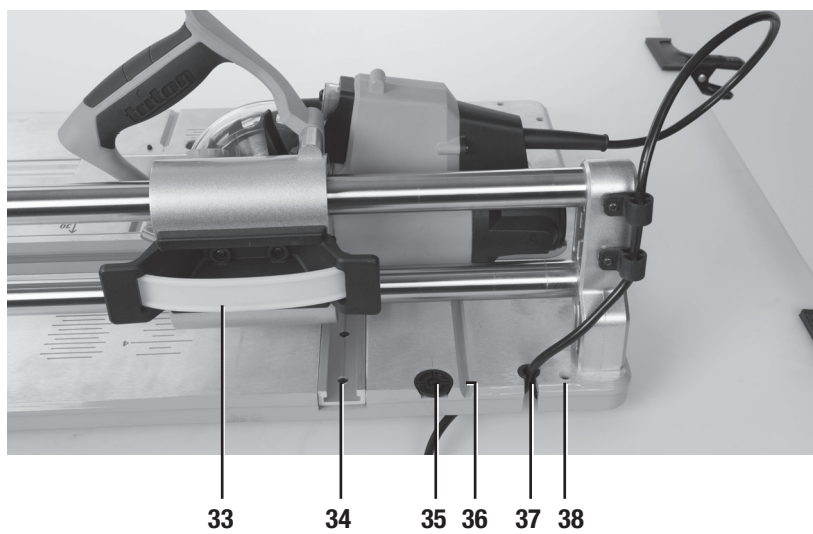
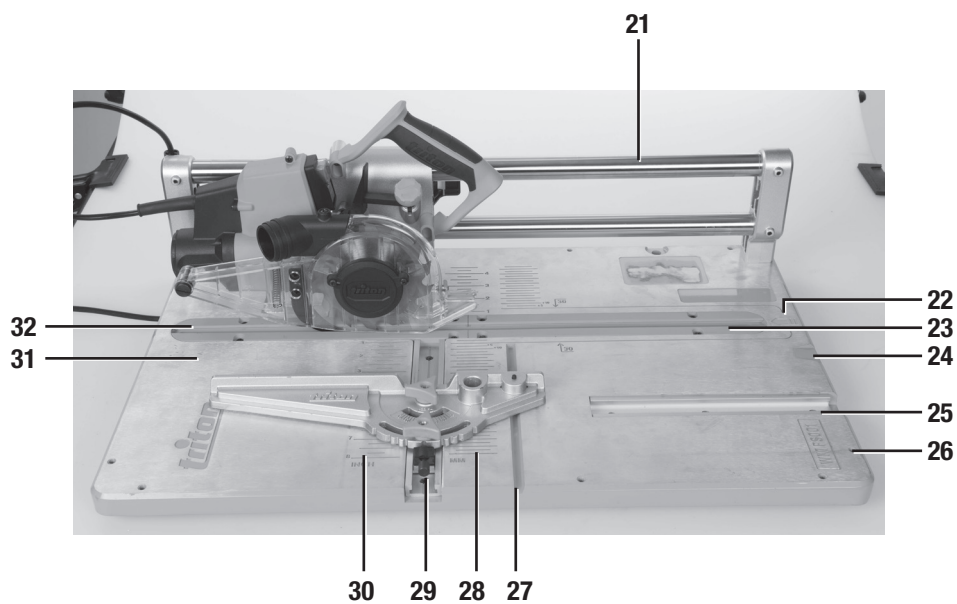
**TR** Çalışma ve Güvenlik Talimatları

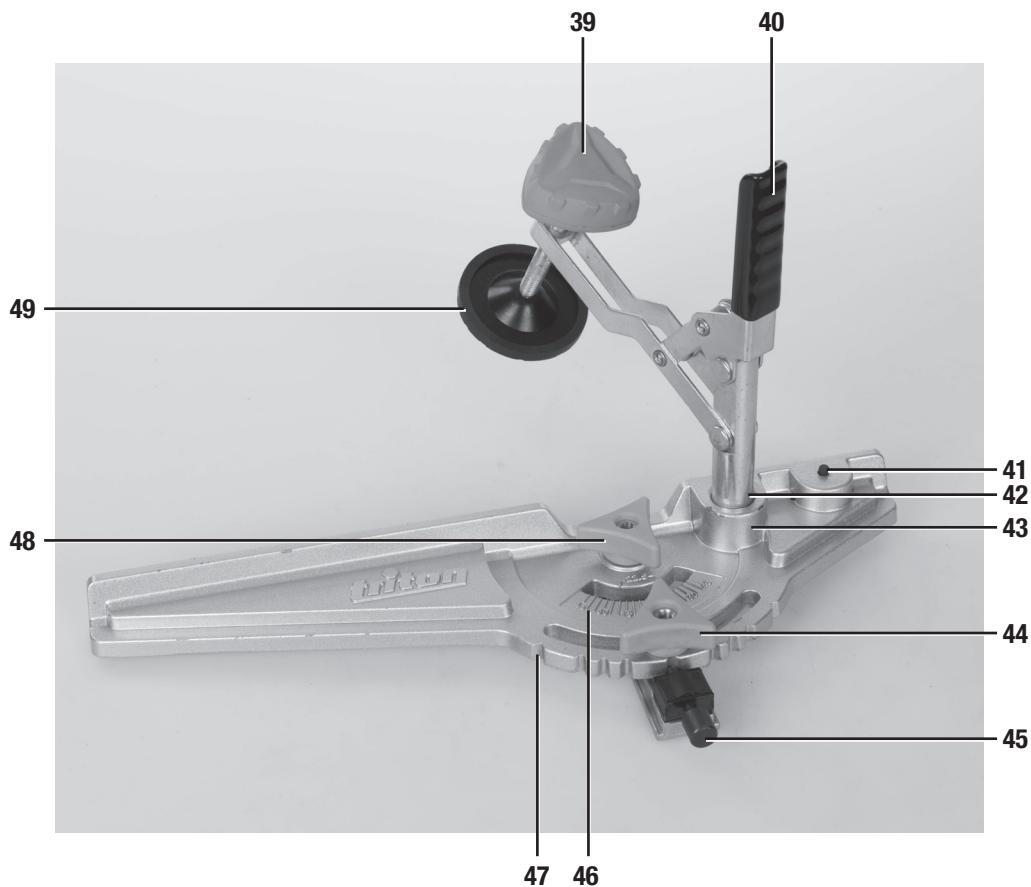


Version date: 22.02.16









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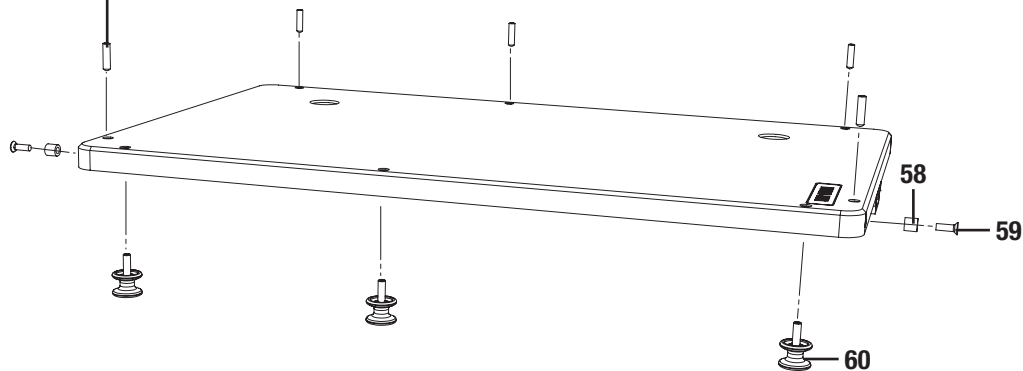
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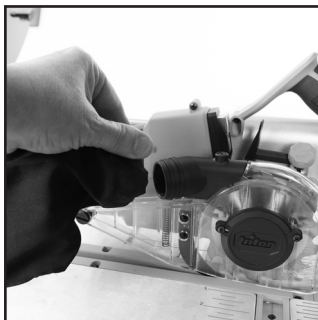
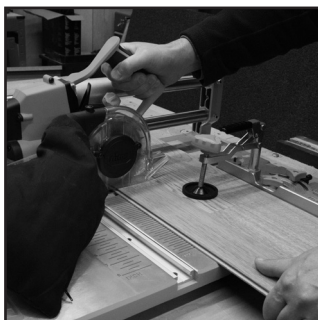
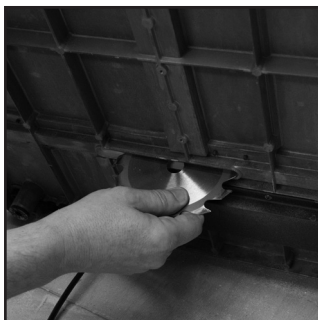


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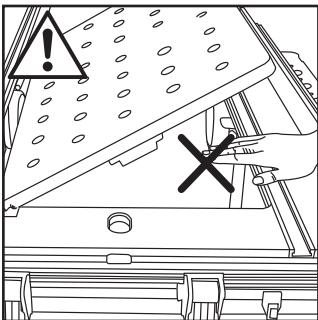


**A****B****C****D****E****F****G****H****I**

J



I



# Original Instructions

## Introduction

Thank you for purchasing this Triton tool. This manual contains information necessary for safe and effective operation of this product. This product has unique features and, even if you are familiar with similar products, it is necessary to read this manual carefully to ensure you fully understand the instructions. Ensure all users of the tool read and fully understand this manual.

## Description of Symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection  
Wear eye protection  
Wear breathing protection  
Wear head protection



Wear hand protection



Read instruction manual



Toxic fumes or gases!



Dust extraction required or recommended



DO NOT use in rain or damp environments!



**WARNING:** Moving parts can cause crush and cut injuries.



Be aware of kickback!



Caution!



Always disconnect from the power supply when adjusting, changing accessories, cleaning, carrying out maintenance and when not in use!



Indoors use only!



Class II construction (double insulated for additional protection)



**Environmental Protection**  
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.



Conforms to relevant legislation and safety standards.



Conforms to relevant legislation and safety standards.

## Technical Abbreviations Key

<b>V</b>	Volts	<b>W, kW</b>	Watt, kilowatt
<b>~, AC</b>	Alternating current	<b>/min or min<sup>-1</sup></b>	Operations per minute
<b>A, mA</b>	Ampere, milli-Amp	<b>rpm</b>	Revolutions per minute
<b>n<sub>0</sub></b>	No load speed	<b>dB(A)</b>	Decibel sound level (A weighted)
<b>n</b>	Rated speed	<b>m/s<sup>2</sup></b>	Metres per second squared (vibration magnitude)
<b>°</b>	Degrees		
<b>Ø</b>	Diameter		
<b>Hz</b>	Hertz		

## Specification

<b>Voltage:</b>	EU: 230 – 240V – 50Hz SA: 230 – 240V – 50Hz USA: 120V – 60Hz
<b>Power input:</b>	EU: 910W SA: 910W USA: 7.5A
<b>No load speed:</b>	9500min <sup>-1</sup>
<b>Blade diameter:</b>	127mm (5")
<b>Bore:</b>	Ø17mm
<b>Blade kerf:</b>	2.2mm
<b>Blade thickness:</b>	1.2mm
<b>Supplied blade:</b>	Ø127mm x Ø17mm x 14T (5" x Ø17mm x 14T)
<b>Rip cut:</b>	0 – 116mm (0 – 4-9/16")
<b>Max crosscut:</b>	494mm (19 - 7/16")
<b>Max depth of cut:</b>	22mm (7/8")
<b>Max dimensions of workpiece:</b>	494mm x 1000mm x 22mm (19-7/16" x 39-3/8" x 7/8")
<b>Min width of workpiece:</b>	100mm ( 3-15/16")
<b>Protractor Fence (click stops):</b>	15°, 22.5°, 30°, 45° (left & right)
<b>Protection class:</b>	
<b>Ingress protection:</b>	IP20
<b>Power cable length:</b>	3m (10')
<b>Dimensions (L x W x H):</b>	660 x 410 x 265mm ( 26" x 16-1/8" x 10-7/16")
<b>Net weight:</b>	11kg (24lb)
<b>As part of our ongoing product development, specifications of Triton products may alter without notice. Note: Imperial values are approximate.</b>	
<b>Sound and vibration information:</b>	
<b>Sound Pressure L<sub>PA</sub>:</b>	92.3dB(A)
<b>Sound Power L<sub>WA</sub>:</b>	105.3dB(A)
<b>Uncertainty K:</b>	3dB
<b>Weighted vibration:</b>	3.825m/s <sup>2</sup>
<b>Uncertainty:</b>	1.5m/s <sup>2</sup>
<b>The sound intensity level for the operator may exceed 85dB(A) and sound protection measures are necessary.</b>	



**WARNING:** Always wear ear protection where the sound level exceeds 85dB(A) and limit the time of exposure if necessary. If sound levels are uncomfortable, even with ear protection, stop using the tool immediately and check the ear protection is correctly fitted and provides the correct level of sound attenuation for the level of sound produced by your tool.

**WARNING:** User exposure to tool vibration can result in loss of sense of touch, numbness, tingling and reduced ability to grip. Long-term exposure can lead to a chronic condition. If necessary, limit the length of time exposed to vibration and use anti-vibration gloves. Do not operate the tool with hands below a normal comfortable temperature, as vibration will have a greater effect. Use the figures provided in the specification relating to vibration to calculate the duration and frequency of operating the tool.

Sound and vibration levels in the specification are determined according to EN61029 or similar international standards. The figures represent normal use for the tool in normal working conditions. A poorly maintained, incorrectly assembled, or misused tool, may produce increased levels of noise and vibration. [www.osha.europa.eu](http://www.osha.europa.eu) provides information on sound and vibration levels in the workplace that may be useful to domestic users who use tools for long periods of time.

## General Safety

**WARNING** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**WARNING:** This appliance is not intended for use by persons (including children) with reduced, physical or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

**WARNING!** When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury including the following.

Read all these instructions before attempting to operate this product and save these instructions

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.

- 1 - **Keep work area clear** - Cluttered areas and benches invite injuries
- 2 - **Consider work area environment**
  - Do not expose tools to rain
  - Do not use tools in damp or wet locations
  - Keep work area well lit
  - Do not use tools in the presence of flammable liquids or gases
- 3 - **Guard against electric shock** - Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, refrigerators)
- 4 - **Keep other persons away** - Do not let persons, especially children, not involved in the work touch the tool or the extension cord and keep them away from the work area
- 5 - **Store idle tools** - When not in use, tools should be stored in a dry locked-up place, out of reach of children
- 6 - **Do not force the tool** - It will perform the job better and safer at the rate for which it was intended
- 7 - **Use the right tool** - Do not force small tools to do the job of a heavy duty tool
  - Do not use tools for purposes for which they are not intended; for example do not use circular saws to cut tree limbs or logs
- 8 - **Dress appropriately**
  - Do not wear loose clothing or jewellery, which can be caught in moving parts
  - Suitable safety footwear is recommended when working outdoors.
  - Wear protective covering to contain long hair
- 9 - **Use protective equipment**
  - Use safety glasses
  - Use face or dust mask if working operations create dust

**WARNING:** When using protective equipment or appropriate clothing can cause personal injury or increase the severity of an injury.

- 10 - **Connect dust extraction equipment** - If the tool is provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used
- 11 - **Do not abuse the power cable** - Never pull the power cable to disconnect it from the socket. Keep the power cable away from heat, oil and sharp edges. Damaged or entangled power cables increase the risk of electric shock
- 12 - **Secure work** - Where possible use clamps or a vice to hold the work. It is safer than using your hands
- 13 - **Do not overreach** - Keep proper footing and balance at all times
- 14 - **Maintain tools with care**
  - Keeping cutting tools sharp and clean makes the tool easier to control and less likely to bind or lock in the workplace
  - Follow instructions for lubricating and changing accessories
  - Inspect tool power cables periodically and have them repaired by an authorised service facility if damaged
  - Inspect extension cables periodically and replace if damaged
  - Keep handles dry, clean and free from oil and grease

**WARNING:** Many accidents are caused by poorly maintained power tools.

- 15 - **Disconnect tools** - Disconnect tools from the power supply when not in use, before servicing and when changing accessories such as blades, bits and cutters

**WARNING:** The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.

- 16 - **Remove adjusting keys and wrenches** - Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before switching it on

- 17 - **Avoid unintentional starting** - Ensure switch is in "off" position when connecting to a mains socket, inserting a battery pack, or when picking up or carrying the tool

**WARNING:** Unintended starting of a tool can cause major injuries.

- 18 - **Use outdoor extension leads** - When the tool is used outdoors, use only extension cords intended for outdoor use and so marked. Use of an extension cable suitable for outdoor use reduces the risk of electric shock

- 19 - **Stay alert**

- Watch what you are doing, use common sense and do not operate the tool when you are tired
- Do not use a power tool while you are under the influence of drugs, alcohol or medication

**WARNING:** A moment of inattention while operating power tools may result in serious personal injury.

- 20 - **Check damaged parts**

- Before further use of tool, it should be carefully checked to determine that it will operate properly and perform its intended function
- Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation
- A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre unless otherwise indicated in this instruction manual
- Have defective switches replaced by an authorised service centre

**WARNING:** Do not use the tool if the on/off switch does not switch the tool on and off. The switch must be repaired before the tool is used.

- 21 - **Have your tool repaired by a qualified person** - This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons, otherwise this may result in considerable danger to the user

**WARNING:** When servicing use only identical replacement parts.

**WARNING:** If the power cable is damaged it must be replaced by the manufacturer or an authorised service centre.

- 22 - **Power tool mains plugs must match the mains socket** - Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching sockets will reduce risk of electric shock

- 23 - **If operating a power tool outside use a residual current device (RCD)** - Use of an RCD reduces the risk of electric shock

**NOTE:** The term "residual current device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

**WARNING:** When used in Australia or New Zealand, it is recommended that this tool is ALWAYS supplied via Residual Current Device (RCD) with a rated residual current of 30mA or less.

**WARNING:** Before connecting a tool to a power source (mains switch power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, and damage to the tool. If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

**Polarized Plugs** (for North America only) To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.


## USA Safety Rules

1. KEEP GUARDS IN PLACE and in working order.
2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
5. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.
9. USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A shows the correct size to use depending on cord length and nameplate amperage rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.
10. WEAR PROPER APPAREL. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended.

- Wear protective hair covering to contain long hair.
11. ALWAYS USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
  12. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
  13. DON'T OVERREACH. Keep proper footing and balance at all times.
  14. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
  15. DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and the like.
  16. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in off position before plugging in.
  17. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
  18. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
  19. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
  20. DIRECTION OF FEED. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
  21. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

Table A						
Ampere Rating		Volts	Total length of cord in feet			
		120	25	50	100	150
		240	50	100	200	300
More Than	Not More Than		Minimum gage for cord			
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

## Triton Project Saw Safety

 **WARNING:** The rated speed of the saw blade must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.

**WARNING:** ALWAYS disconnect the saw from the power supply before carrying out any inspection, maintenance or cleaning.

**WARNING:** ALWAYS wear suitable cut-proof gloves when handling the table saw blade. Not doing so may result in cuts, or harm to the operator.

- **Never try to cut multiple workpieces at a time.** Workpieces 'stacked' or positioned adjacent to one another cannot be adequately supported, and may move during operation.
- **Ensure the project saw is positioned/mounted on a sturdy, secure, and flat horizontal surface.** Failing to do this could cause the saw to move uncontrollably during use.
- **Ensure the workpiece is adequately supported before performing any cutting tasks.** Use of external clamps and guides is recommended to prevent the workpiece from deviating off the cutting path.
- **When working with oversized workpieces, always ensure adequate support is provided in the form of support structures, saw horses, table extensions and clamps.**
- **Keep bystanders at a minimum distance of 10 metres from the saw during operation.** Do not use bystanders to provide additional support to the workpiece during operation.
- **When securing the workpiece, ensure the cut-off section of the workpiece is not confined to an area.** The cut-off section of the workpiece should be allowed to move freely away from the saw blade once cut.
- **Always allow the saw blade to reach its normal operating speed before commencing a cut.**
- **ALWAYS use push sticks or a push block where appropriate, to prevent injury.** Never allow your fingers to get close to the cutting teeth of the blade
- **Project saws are to be used for cutting wood, synthetic wood and similar materials only.** This tool is incompatible with cut-off wheels designed specifically for cutting other material types such as metals, glass and stone so must not be used to cut these materials

- **Always check the workpiece for compatibility before operation, and ensure there are no foreign objects embedded in the workpiece.** Do not use excessively bowed or warped workpieces. If bowed or warped workpieces are to be used, ensure that contact is maintained between the fence and table surface.
- **Maintain a clean, debris-free work surface at all times.** Before beginning a cutting operation, check the entire table surface for obtrusive objects and debris that may hinder the tool's performance.

## Kickback Prevention

**Note:** Kickback occurs when the blade stalls rapidly; as a result from being pinched, bound or misaligned, and drives the workpiece back towards the operator. It can also pull the operator's hand into the blade, resulting in serious injury.

**WARNING:** Kickback is the result of saw misuse and/or incorrect operating procedures or conditions. However, if precautions are taken, kickback forces can be controlled by the operator, or avoided altogether:

- ALWAYS use the saw with the riving knife (also known as 'spreader') installed.** NEVER remove the riving knife, to prevent the kerf from closing on to the blade.
- NEVER attempt to cut with a dull or warped blade.** ALWAYS ensure the blade is suitable for the material to be cut.
- ALWAYS ensure the rip fence is parallel to the blade.** If the fence tilts inward towards the blade, the workpiece may come into contact with the back edge of the blade, and may be thrown back towards the user uncontrollably as a result.
- NEVER use the rip fence and mitre gauge simultaneously.** This can lead to serious kickback and severe injury.
- Use CAUTION when cutting large sheets.** Ensure larger stock is properly supported by adequate in-feed and out-feed supports.
- DO NOT cut round stock or workpieces that cannot lay flat on the table.** Avoid cutting twisted, distorted or knotty wood.
- DO NOT cut wet wood, as it produces higher friction against the saw blade.** Wet sawdust can accumulate on the blade, further increasing the likelihood of kickback.
- ALWAYS maintain a firm grip on the workpiece, with both hands, and position your arms to resist kickback forces.**
- Stay out of blade path and position your body to either side of the blade, but not in line with the blade.**
- DO NOT back out of the cut.** If you have to interrupt a cut before it is complete, switch the saw off, and remove the workpiece from the saw, once the blade has stopped spinning.

## Product Familiarisation

1. Off Switch
2. On Switch
3. Handle Screw Hole
4. Guard Lever
5. Handle
6. Saw Head Mode Selector
7. Handle Screw Hole
8. Cut Line Indicator
9. Guard Raising Point
10. Guard
11. Saw Blade
12. Blade Bolt Cover Screw
13. Blade Bolt Cover
14. Riving Knife
15. Riving Knife Screws
16. Guard Pivot
17. Motor Vents
18. Dust Port
19. Spindle Lock Button
20. Saw Head Release Position
21. Double Bar
22. Feed Direction
23. Right Throat Plate
24. Module Lock Position
25. Cross Cut Fence Slot
26. Module Levelling Bobbin Screw
27. Parallel Guide Slot
28. Metric Graduations
29. Parallel Fence Slot
30. Imperial Graduations
31. Table
32. Left Throat Plate

33. Saw Head Handle
34. Short Parallel Fence Slot
35. Module Mounting Wheel
36. Parallel Fence Slot
37. Power Cable Switch
38. Module Levelling Screw
39. Clamp Knob
40. Clamp Lever
41. Parallel Guide Slot Pin
42. Clamp
43. Protractor Fence
44. Angle Knob
45. Angle Release Switch
46. Angle Guide
47. Angle Click Stops
48. Fence Lock Knob
49. Clamp Foot
50. Push Stick Storage
51. Push Stick
52. Saw Handle
53. Saw Handle Screws
54. Dust Bag
55. Saw Handle Hex Key
56. Saw Blade Hex Key
57. Module Levelling Screw
58. Module Roller
59. Module Pin
60. Module Levelling Bobbin Screw

## Intended Use

Compact circular saw mounted on a double bar with both fixed head and moving saw head modes. This tool functions as a TWX7 module for inserting into the Workcentre 7 or as self-contained power tool used on a bench or floor. Cuts natural wood, man-made wood and composite materials including laminates and flooring for cross, rip and mitre cutting.

## Unpacking Your Tool

- Carefully unpack and inspect your new tool. Familiarise yourself with all its features and functions
- Ensure that all parts of the tool are present and in good condition. If any parts are missing or damaged, have such parts replaced before attempting to use this tool

## Before Use

**⚠ WARNING:** Ensure the tool is disconnected from the power supply before attaching or changing any accessories, or making any adjustments.

### Assembly

1. Attach the Handle (5) with the Saw Handle Screws (53) through the Handle Screw Holes (3 & 7) (Image A)
2. Slide the Dust Bag (54) onto the Dust Port (18) unless a dust extraction system is being connected (Image B)

**Note:** If using the saw as a module for TWX7 fit these additional parts as shown

1. Fit the Module Levelling Screws (57) if not pre-fitted
2. Fit the Module Pins (59) through the Module Rollers (58) and screw to the body of the saw
3. Fit the Module Levelling Bobbin Screws (60)

#### Notes:

- A vacuum or dust extraction system can be connected to the Dust Port (18) instead of the Dust Bag (54) (this will provide superior extraction)
- Never operate the saw without either the Dust Bag or a vacuum connected
- Empty the Dust Bag every 10-15 minutes during use and at the end of every session. The dust produced could be of a flammable nature and may contain polyurethanes or linseed oil. Allowing the Dust Bag to get full will force the dust back into the saw mechanism and it could ignite. Always follow the manufacturer's recommendations for the materials being cut

The Saw Blade (19) is pre-fitted but as part of the assembly process it is recommended the user checks that the blade is securely tightened. Refer to the 'Replacing the saw blade' section on how to access and tighten the blade securing bolt.

Check the 2 Throat Plates (23 & 32) are in good condition and correctly fitted.

**WARNING:** The saw must not be operated if either of the throat plates are damaged or missing.

## Installing in Workcentre 7

**IMPORTANT:** Read these instructions in combination with the instructions supplied with your Triton Workcentre.

**WARNING:** ALWAYS grip modules with both hands, ensure secure footing, stand upright, and avoid awkward movements when removing and fitting modules.

**IMPORTANT:** Ensure the saw head is in the locked position and use the Double Bar (21) the saw head is mounted to, to lower the module. Uncontrolled lowering can cause Workcentre, module and power tool damage as well as possible injury to the operator. Ensure your hand is not placed where the module falling could crush your hand (Fig. I)

## Levelling the module

- All modules must be adjusted so they are level with the Workcentre chassis, to achieve accurate results and for safe operation. Therefore all modules are equipped with seven Module Levelling Screws (57)
1. Fit the module into the Workcentre chassis
  2. Tighten the three Module Levelling Bobbin Screws (60), until there is no movement between the module and the Workcentre chassis
  3. Place a straight edge over the corner, across the levelling screws, and check for gaps
  4. Adjust the Module Levelling Screws, until both sides of the corner are flush with the Workcentre chassis
  5. Repeat for the remaining three corners and the single Module Levelling Screw in the middle of the long side of the module.
  6. Check all sides of the module are flush with the Workcentre chassis by placing a straight edge over the module, perpendicular to the long and short sides, as well as diagonally over the table. Fine-adjust and re-check where necessary

## Using the saw on a bench or other surface

Position the saw on a solid, flat work surface. An anti-vibration rubber mat can be placed between the saw and the work surface to reduce vibration and prevent movement during use on some surfaces.

**WARNING:** Using this tool with a portable workbench can be dangerous. Make sure there is no risk of the workbench collapsing or toppling during use.

## Connecting to mains

When used with the Workcentre 7 connect the mains plug to the trailing socket of the Workcentre so the saw is connected to the Workcentre safety isolator switch.

It is recommended to use a non-latching active RCD (residual current device) especially when used outside. In the USA an appliance leakage current interrupter (ALCI) is recommended.

## Operation

### ⚠ IMPORTANT Safety

- ALWAYS wear eye protection, adequate respiratory and hearing protection, as well as suitable gloves, when working with this tool.
  - Keep hands out of path of saw blade
  - Do not operate saw without guards in place
  - Do not perform any operation freehand
  - Never reach around saw blade
  - Use a push-stick for ripping narrow work
  - Turn off tool and wait for saw blade to stop before moving workpiece or changing settings
  - Disconnect power before changing blade or servicing
  - Return carriage to full rear position after each crosscut operation
  - Use saw-blade guard and riving knife (spreader) for every operation where required, including through-sawing

## Switching on and off

**IMPORTANT:** Before plugging the project saw into mains power, press the OFF button to ensure the saw will not switch on immediately when plugged in.

- To switch the saw ON, press the green On Switch (2) marked 'I'
- To switch the saw OFF, press the red Off Switch (1) marked 'O'

## Performing a rip cut

**Note:** In this mode the saw cuts in a fixed position and the workpiece is moved in the same way as a table saw.

1. Lock the saw in the rip position by rotating the Saw Head Mode Selector (6) to the lower height position and moving the saw head until it locks in position. The saw head can be moved by the Saw Head Handle (33) if at the rear of the tool into the locked position
2. Fit the Protractor Fence (43) to either the Parallel Fence Slot (29) or Short Parallel Fence Slot (34) by sliding in with the Fence Lock Knob (48) loosened
3. Ensure the Parallel Guide Slot Pin (41) clicks into the either of the Parallel Guide Slots (27 or 36). Loosen the Angle Knob (44) and pull out Angle Release Switch (45) if necessary
4. Set the Protractor Fence to the depth required for the cut using the Metric or Imperial Graduations (28 or 30)

5. Tighten both the Angle Knob and the Fence Lock Knob (48)
6. Switch on the tool (see 'Switching the unit on and off') and allow the Saw Blade (11) to reach full speed
7. Holding the workpiece against the fence, slowly feed the workpiece into the saw (Image C)
8. Towards the end of the cut, use the Push Stick (51) to guide the workpiece so that your hands do not enter the cut zone close to the Cut Line Indicator (8) (Image D)
9. Switch off the saw before removing and replacing the workpiece and remove the mains cable from the mains socket when the job is completed

**Note:** The Push Stick should be stored with the saw after use. It slots into the Push Stick Storage (50) of the base or hanging from the side of the Workcentre TWX7 for storage. When the module is removed from the Workcentre store the Push Stick with the module.

## Performing a crosscut or mitre cut

**Note:** In crosscut and mitre cut mode, the workpiece is fixed and the saw moves across the workpiece as it cuts.

1. In crosscut and mitre cut modes, turn the Saw Head Mode Selector (6) to the Saw Head Release Position (20) so the saw head can move along the Double Bar (21)
2. If the Cut Line Indicator (8) does not indicate the centre of the cut correctly after cutting, adjust with a screwdriver
3. Fit the Protractor Fence (43) to the Cross Cut Fence Slot (25) by sliding in with the Fence Lock Knob (48) loosened
4. Set to the required angle using the Angle Click Stops (47) and Angle Guide (46). Loosen the Angle Knob (44) and pull out the Angle Release Switch (45) to change the angle
5. Tighten the Angle Knob and Fence Lock Knob. If an angle is required other than a click stop position keep the Angle Release Switch pulled as you tighten the Angle Knob
6. Place the workpiece on the table against the Protractor Fence
7. Fit the Clamp (42) to the clamp socket in the Protractor Fence. Lower the Clamp Lever (40) and adjust the Clamp Foot Height to secure the workpiece with the Clamp Knob (39). As you adjust the clamping force it helps secure the Clamp in the Protractor Fence (Image E)
8. The Clamp Lever can now be used for easy replacing of workpieces of the same thickness
9. Switch on the tool (see 'Switching on and off') and allow the Saw Blade (11) to reach full speed
10. Using the Handle (5), slide the saw into the workpiece (Image F)
11. Once the cut is complete, slide the saw back to the starting position
12. Switch off the saw before removing and replacing the workpiece and remove the mains cable from the mains socket when the job is completed

## Accessories

- A range of accessories and consumables is available from your Triton stockist. Spare parts can be obtained from [toolsparesonline.com](http://toolsparesonline.com)

## Maintenance

 **WARNING:** ALWAYS disconnect from the power supply before carrying out any inspection, maintenance or cleaning.

### Riving knife

- Ensure the Riving Knife (14) is fitted and in perfect working condition. If it requires replacement, remove the 2 Riving Knife Screws (15) and carefully remove and replace using the underside slot of the saw.

### Guard

- Always ensure the Guard (10) is operating normally. Not overly stiff or loose. Check the Guard Pivot (16) is correctly tensioned to provide smooth movement of the guard. Operate the Guard Lever (4) to allow the Guard to move and use the Guard Raising Point (9) to lift just as a workpiece would to make sure it is functioning correctly. Clean and lubricate the Guard Pivot if necessary.

### Blade maintenance

- Regularly check the Saw Blade (11) is free from a build-up of gum resins or sawdust. If necessary clean with a general purpose thin lubricating and penetrating maintenance spray or mineral turpentine
- Regularly check the Saw Blade for sharpness and that it is not buckled or otherwise damaged. A blunt or buckled blade places excessive load on the motor and gearbox assembly, and will affect the quality of cut

## Replacing the saw blade

**Note:** A replacement Saw Blade (11) for this saw is available from your Triton dealer.

- Never fit high speed steel blades or abrasive discs. Fitting of other purpose or different-sized blades will void the warranty
- Do not fit inferior blades. Regularly check the blade is flat, sharp and free of cracks or defects

1. Lock the saw in rip cut position, see 'Performing a rip cut'
2. Loosen the screw, keeping the Blade Bolt Cover Screw (12) in place (Image G)

3. Raise the Blade Bolt Cover (13) to access the Blade Bolt
  4. Depress the Spindle Lock Button (19) and use the Saw Blade Hex Key (56) supplied to loosen and remove the Blade Bolt (Image I)
  5. Lift the flange off the spindle and set aside
  6. Place the saw on its side and carefully slide the Saw Blade out through the aperture at the bottom of the blade housing (Image G)
- Note:** it may help to use a slotted screwdriver to lift the blade off the shaft.
7. Carefully slide the new Saw Blade in through the bottom of the blade housing and position it on the shaft, ensuring the direction of rotation arrows on the blade are facing the same way as the direction arrows on the guard (Image J)
  8. Refit the flange onto the spindle, then refit the blade bolt
  9. Check that the blade is seated properly, then depress the Spindle Lock Button and tighten the bolt firmly with the Saw Blade Hex Key
  10. Refit the Blade Bolt Cover (13)

## Throat Plate

- The Throat Plates (23 & 32) cover the throat channel that the saw moves along. If either Throat Plate becomes damaged, purchase and fit a replacement before using the saw
- The left and right side can be replaced individually and either side can be accessed by simply moving the saw mechanism to the opposite side. The part needed is identical for the left or right side. Simply unscrew the existing plate and replace. It is important not to over-tighten as the plate may warp. For best results, tighten by hand

## General inspection

- Regularly check that all the fixing screws are tight
- Inspect the supply cord of the tool, prior to each use, for damage or wear. Repairs should be carried out by an authorised Triton service centre. This advice also applies to extension cords used with this tool

## Jammed accessories handling

- Ensure the power to the Project Saw is OFF before attempting to handle any jammed materials or accessories
- Use protective gloves and be careful of the blade's sharp teeth and/or the sharp edges of the jammed material or accessory
- Once the jammed material or accessory has been removed safely, test the Project Saw by running it briefly to see if normal operation can continue
- If the Project Saw runs smoothly, regular operation may continue

## Cleaning

- Keep your tool clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the machine's service life. Clean the body of your machine with a soft brush, or dry cloth. If available, use clean, dry, compressed air to blow through the ventilation holes
- Clean the tool casing with a soft damp cloth using a mild detergent. Do not use alcohol, petrol or strong cleaning agents
- Never use caustic agents to clean plastic parts
- Do not allow the Dust Bag (54) to become more than three-quarters full before emptying

## Lubrication

- Slightly lubricate all moving parts at regular intervals with a suitable spray lubricant

## Brushes

**WARNING:** Internal parts must be replaced by a trained service engineer. Incorrect fitting of parts can be highly dangerous and may damage or even destroy the tool.

- Over time the carbon brushes inside the motor may become worn
- Excessively worn brushes may cause loss of power, intermittent failure, or visible sparking
- If you suspect that the brushes may be worn, have them replaced at an authorised Triton service centre

## Storage

- Store this tool carefully in a secure, dry place out of the reach of children

## Disposal

Always adhere to national regulations when disposing of power tools that are no longer functional and are not viable for repair.

- Do not dispose of power tools, or other waste electrical and electronic equipment (WEEE), with household waste
- Contact your local waste disposal authority for information on the correct way to dispose of power tools