

EN Operating & Safety Instructions

NL Bedienings- en
veiligheidsvoorschriften

ES Instrucciones de
uso y de seguridad

FR Instructions d'utilisation
et consignes de sécurité

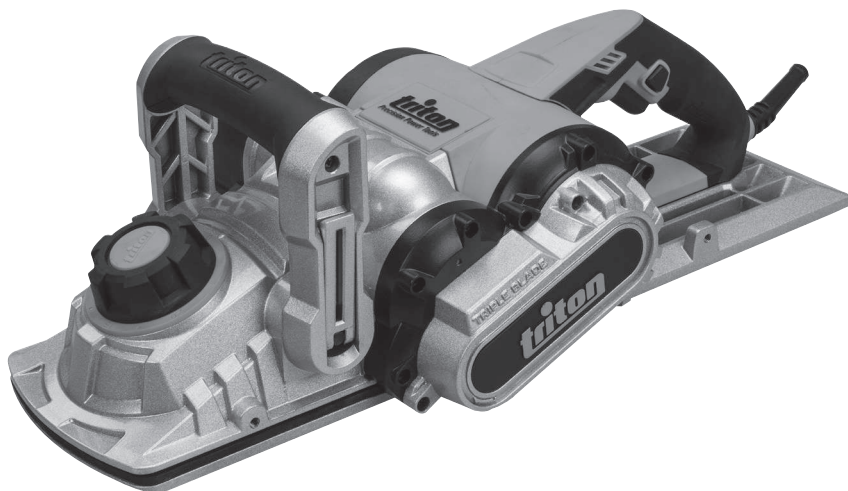
PT Instruções de
Operação e Segurança

DE Sicherheits- und
Bedienungsanleitung

PL Instrukcja obsługi
i bezpieczeństwa

IT Istruzioni per l'uso
e la sicurezza

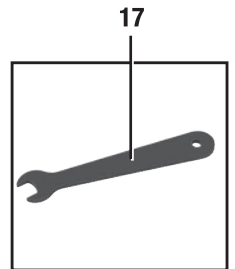
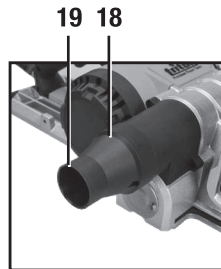
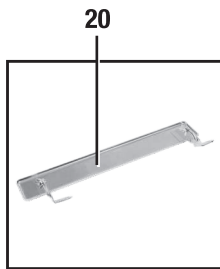
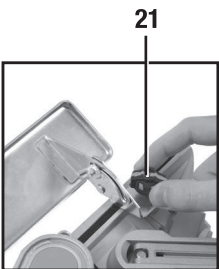
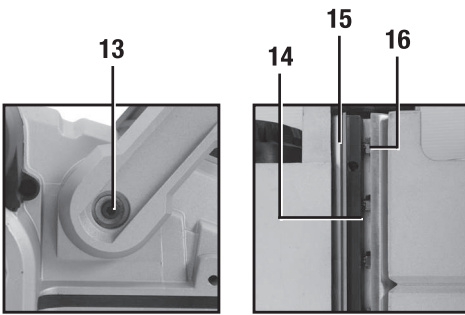
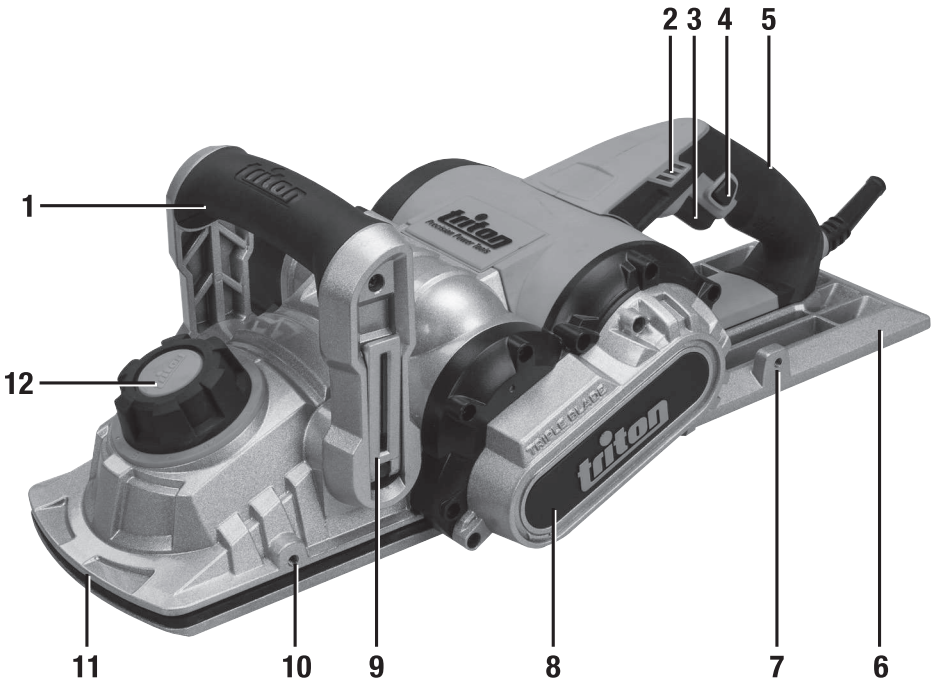
RU Инструкции по эксплуатации и
правила техники безопасности

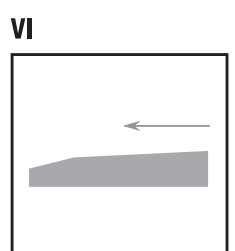
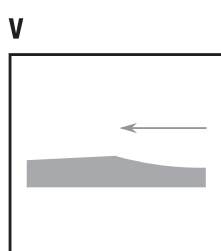
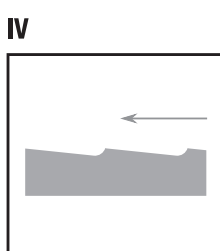
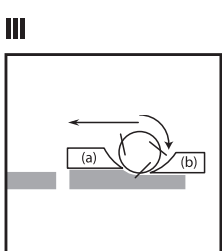
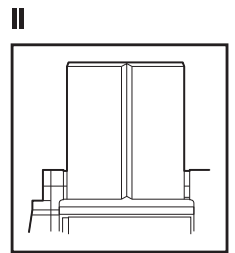
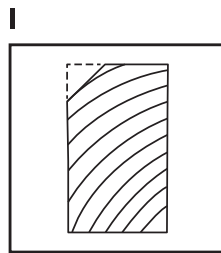
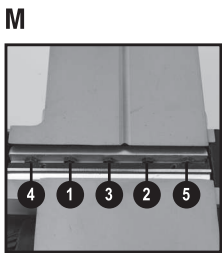
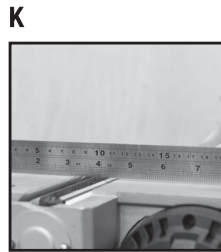
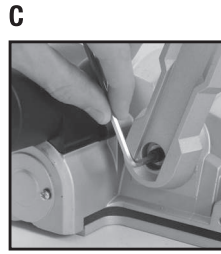
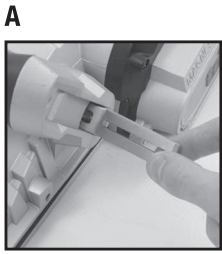


Version date: 28.03.22

Designed in Europe 







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. Keep these instructions with the product for future reference.

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



WARNING – To reduce the risk of injury, user must read instruction manual



WARNING: Moving parts can cause crush and cut injuries.



WARNING: Sharp blades or teeth!



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



DO NOT use in rain or damp environments!



Caution!



Dust extraction required or recommended



Class II construction (double insulated for additional protection)



Conforms to relevant legislation and safety standards.



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

Technical Abbreviations Key

V	Volts	Hz	Hertz
~	Alternating current	W, kW	Watt, kilowatt
A, mA	Ampere	min ⁻¹	Operations per minute
n ₀	No load speed	dB(A)	Decibel sound level (A weighted)
n	Rated speed		
cpm	Cuts per minute	m/s ²	Metres per second squared (vibration magnitude)
°	Degrees	∅	Diameter

Specification

Model no:	TPL180B
Voltage:	220-240V~, 50/60Hz
Power:	1800W
No load speed:	15,000min ⁻¹
Cuts per minute	45,000cpm
Planing depth:	0 - 2mm
Planing width:	180mm
Blades:	Reversible 180mm HSS steel blades, set of 3
Dust Port (Inside diameter):	50.8mm
Dust Port Adaptor (Inside diameter):	35mm
Protection class:	
Dimensions (L x W x H):	525 x 275 x 170mm
Weight:	8.6kg
As part of our ongoing product development, specifications of Triton products may alter without notice.	
Sound pressure L_{pk}:	92.2dB(A)
Sound power L_{wa}:	103.2dB(A)
Uncertainty K:	3dB(A)
Weighted vibration:	4.34m/s ² (main handle) 7.0m/s ² (front handle)
Uncertainty:	1.5m/s ² (main & front handle)
The sound intensity level for the operator exceeds 85dB(A) and sound protection measures are necessary.	

⚠ 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.

⚠ WARNING: The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used. There is the need to 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).

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value may also be used in a preliminary assessment of exposure.

Sound levels in the specification are determined according to 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 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, 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.

1) 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.

2) 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.
- 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.
- 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.
- 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.

3) 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 a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injury.
- 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.

4) 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.
 - Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool and 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.
- 5) 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.

Additional Safety for Electric Planers

⚠ WARNING!

- Wait for the cutter to stop before setting the tool down. An exposed rotating cutter may engage the surface leading to possible loss of control and serious injury.
- Hold the power tool by insulated gripping surfaces only, because the cutter may contact its own cord. Cutting a 'live' wire may make exposed metal parts of the power tool 'live' and could give the operator an electric shock.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.
- If the replacement of the supply cord is necessary, this has to be done by the manufacturer or their agent in order to avoid a safety hazard.
- It is strongly recommended that the tool always be supplied via a residual current device with a rated residual current of 30mA or less.



- Use appropriate respiratory protection: Use of this tool can generate dust containing chemicals known to cause cancer, birth defects or other reproductive harm. Some wood contains preservatives such as copper chromium arsenate (CCA) which can be toxic. When sanding, drilling, or cutting these materials extra care should be taken to avoid inhalation and minimise skin contact.

⚠ IMPORTANT

- Use suitable detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance. Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage or may cause an electric shock.
 - Do not reach into the chip ejector with your hands. They could be injured by rotating parts.
 - A dust mask and dust extraction system are strongly recommended during usage to protect the operator against dust. Electric planers generate a large quantity of dust and some materials will produce toxic dust.
 - Use only sharp blades. Handle the blades very carefully.
- Check voltage of the tool rating label matches the voltage of the mains supply
 - Ensure all nails, screws, etc., are removed from the workpiece before commencing the task. Otherwise, damage to the blade or planer could occur, causing a safety hazard
 - Ensure all cloth, cord, rags, string and similar items are removed from the work area. To prevent entanglement in the planer mechanism
 - Ensure that the blade installation bolts are securely tightened before operation
 - Before using the planer on a workpiece, switch ON and allow it to run for a while. Check for vibration or wobbling that could indicate a badly installed, or a poorly balanced blade
 - Allow the machine to reach full speed before making contact with the workpiece and starting cutting
 - Operate the planer only when controlled by both hands and is correctly held before switching ON

- h) Ensure the planer is at least 200mm away from your face and body
- i) Wait until the blades reach full speed before cutting
- j) Shavings may jam in the chute when cutting damp wood. Switch OFF, disconnect from the power supply and clean out the chips with a stick. Never put your finger into the chip chute
- k) ALWAYS switch OFF and allow the blades to come to a complete standstill before attempting any adjustments, cleaning or carrying out maintenance
- l) ALWAYS disconnect from the power supply when leaving the machine unattended
- m) When not in use, disconnect from the power source and place the front base on a wooden block so that the blades are not in contact with anything
- n) Replace all blades at the same time. Otherwise, the resulting imbalance will cause vibration and shorten the service life of the planer and blades. Cutting tool safety

Cutting Tool Safety

⚠ 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.

Use the correct cutting tool

- Ensure the cutting tool is suitable for the job. Do not assume a tool is suitable without checking the product literature before use

Protect your eyes

- Always wear appropriate eye protection when using cutting tools
- Spectacles are not designed to offer any protection when using this product; normal lenses are not impact resistant and could shatter

Protect your hearing

- Always wear suitable hearing protection when tool noise exceeds 85dB

Protect your breathing

- Ensure that yourself, and others around you, wear suitable dust masks

Protect your hands

- Do not allow hands to get close to the cutting wheel or blades. Use a suitable push stick for shorter workpieces with appropriate power tools

Be aware of others around you

- It is the responsibility of the user to ensure that other people in the vicinity of the work area are not exposed to dangerous noise or dust and are also provided with suitable protective equipment

Hidden objects

- Inspect the workpiece and remove all nails and other embedded objects before cutting
- Do not attempt to cut material that contains embedded objects unless you know that the cutting tool fitted to your machine is suitable for the job
- Walls may conceal wiring and piping, car body panels may conceal fuel lines, and long grass may conceal stones and glass. Always check the work area thoroughly before proceeding

Beware of projected waste

- In some situations, waste material may be projected at speed from the cutting tool. It is the user's responsibility to ensure that other people in the work area are protected from the possibility of projected waste

Fitting cutting tools

- Ensure cutting tools are correctly and securely fitted and check that wrenches / adjusters are removed prior to use
- Only use cutting tools recommended for your machine
- Do not attempt to modify cutting tools
- Ensure blades are sharp, in good condition and correctly fitted
- Do not attempt to sharpen blades that are not suitable for sharpening, these may include specially hardened blades or blades made from hardened alloys typically containing tungsten
- Blades that can be resharpened should be resharpened only according to the blade manufacturer's instructions. These may include a limited number of times the blade can be resharpened
- Sharpened blades should be more thoroughly inspected before use and replaced immediately if there is any doubt about their condition and suitability for use
- In the event blades encounter an embedded object in use that the blades are not suitable for, blades should be replaced immediately

Direction of feed

- Always feed work into the blade or cutter against the direction of movement of the blade or cutter

Beware of heat

- Cutting tools and workpieces may become hot in use. Do not attempt to change tools until they have been allowed to cool completely

Control dust / swarf

- Do not allow dust or swarf to build up. Sawdust is a fire hazard, and some metal swarf is explosive
- Be especially careful when cutting wood and metal. Sparks from metal cutting are a common cause of wood dust fires
- Where possible, use a dust extraction system to ensure a safer working environment

Product Familiarisation

1. Front Handle
2. PCB Air Vents
3. ON/OFF Trigger Switch
4. Trigger Safety Lock
5. Main Handle
6. Fixed Rear Base
7. Fence Attachment Point (x 4)
8. Drive Belt Cover
9. Front Handle Lock Lever
10. Fence Attachment Point (x 4)
11. Movable Front Base
12. Depth Adjustment Knob
13. Front Handle Set Screw
14. Blade Barrel
15. Reversible Blades
16. Clamping Screw (x 5)
17. Blade Spanner
18. Dust/Chip Extraction Port
19. Dust Extraction Adaptor
20. Combined Parallel and Bevel Fence Guide
21. Fence Attachment Knob (x 2)

Intended Use

Large hand-held electric planer for heavy-duty planing tasks on hard and softwood timber. Not for commercial use.

The tool must ONLY be used for its intended purpose. Any use other than those mentioned in this manual will be considered a case of misuse. The operator, and not the manufacturer, shall be liable for any damage or injury resulting from such cases of misuse. The manufacturer shall not be liable for any modifications made to the tool, nor for any damage resulting from such modifications.

Unpacking Your Tool

- Carefully unpack and inspect your tool. Fully 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: Always disconnect this tool from the power supply before attaching or removing accessories, or making any adjustments.

Adjusting the front handle

1. Hinge out the Front Handle Lock Lever (9) (Image A) and move the Front Handle (1) to one of four positions to best suit the task (Image B)
2. Hinge back lever to secure the Front Handle in the selected position

Note: If necessary, the lever action mechanism can be adjusted using the Front Handle Set Screw (13) (Image C).

Combined parallel and bevel fence guide

1. Fit the Combined Parallel and Bevel Fence Guide (20) to the base by screwing the Fence Attachment Knobs (21) into the Fence Attachment Points (7) and (10) (Image D)
2. Loosen the two wing nuts and set the angle of the fence if you wish to use it as a guide for making bevel cuts (Image E)

- When set at right angles to the planer base, the fence provides a guide to help control the planing action

Note: The fence can be fitted to either side of the base.

Note: The angle graduations marked on the fence are approximate only. For accurate bevel cutting it is necessary to measure the angle of the fence, make a trial cut and adjust if necessary.

Shavings extraction

IMPORTANT: It is highly recommended that a workshop vacuum cleaner or other dust extraction system is used with this product. The tool produces a large amount of waste material in use and an active extraction system is required for optimal operation.

- The Dust/Chip Extraction Port (18) allows connection to a vacuum dust extraction system
- Using the Dust Extraction Adaptor (19) permits a dust extraction system to be connected to the Dust/Chip Extraction Port (Image F)
- To fit the Dust Extraction Adaptor, insert it into the Dust/Chip Extraction Port and twist it clockwise until it locks into position

Adjusting the depth of cut

Note: Always check that the power tool is disconnected from the mains when making adjustments or installing or removing blades.

- Rotate the Depth Adjustment Knob (12) clockwise for a deeper cut and anti-clockwise for a shallower cut
- The numbers on the ring under the Depth Adjustment Knob indicate the depth of cut. There are 8 click stop positions from 0.25-2mm that increment by 0.25mm
- If it is necessary to plane to a precise depth, plane a scrap piece of wood, measure the difference in thickness and adjust the setting if necessary
- To check accuracy and tolerance of the Movable Front Base (11) set the depth adjustment knob to the '0' position so the blade can be measured against the Fixed Rear Base (6) and Movable Front Base (11). The Fixed Rear Base, blade and Movable Front Base should be at the same level at the '0' position
- After use, always move the depth adjustment knob to the 'P' parked position. This protects the blade by moving the Movable Front Base so that the blade is not in contact with the surface the planer is resting on

Operation

Switching ON & OFF

⚠ WARNING: Before plugging the tool into the mains power point always check that the ON/OFF Trigger Switch (3) and Trigger Safety Lock (4) work properly. Before switching ON, ensure that the blade drum or blade is not making contact with any surface.

- Plug in the machine, push in the Trigger Safety Lock (4) (Image G) and pull the ON/OFF Trigger Switch (3) (Image H)
- Stop the tool by simply releasing the ON/OFF Trigger Switch
- In order to restart the machine, it is necessary to operate both the Trigger Safety Lock (4) and the ON/OFF Trigger Switch (3). This is an important safety feature that helps prevent accidental operation of the planer

CAUTION: Please note that the planer blades continue to spin for some time after switching OFF the planer. Wait until the motor has completely stopped before setting down the tool to prevent damage to the planer blades or the surface.

- If resting the planer on its side, do not rest it on the vented side. This will prevent dust or chips from contaminating the motor
- When the planer is not to be used for a short period, set the depth control knob to the 'P' (parked) position and ensure both bases (6) and (11) are resting on the same level surface

Planing

- Rest the Movable Front Base (11) flat on the workpiece surface without the blades making any contact with the workpiece
- Switch ON the tool and wait for the blades to reach full speed
- Move the tool gently forward, applying pressure on the front of the tool, using one hand on the Front Handle (1) at the start of planing. Apply pressure at the rear of the tool using the other hand on the Main Handle (5) towards the end of the planing stroke

Note: It is important to understand that the Movable Front Base dictates how much of the blade is exposed to the wood and this requires the user to apply downward pressure on both the front and back of the tool evenly during use.

- Push the planer beyond the edge of the workpiece without tilting it downwards or upwards

Tip: Treat the material as if it is slightly longer than it actually is - the planing action will continue until the blades have well passed the end of the workpiece.

- The rate of planing and the depth of cut determine the quality of the finish. For rough cutting, the depth of cut can be increased; however, to achieve a good finish, the depth of cut should be reduced and the tool advanced more slowly

Note: Planing is easier if the workpiece is inclined slightly away from the operator so that planing is performed 'downhill'.

⚠ WARNING: The planer is very heavy and not practical or safe to be used for vertical planing or other similar applications.

CAUTION: Moving the machine too fast may cause a poor quality of cut and can damage the blades or the motor. Moving the machine too slowly may burn or mark the cut

- The proper feed rate will depend on the type of material being cut and the depth of the cut
- Practise first on a scrap piece of material to gauge the correct feed rate and the cut dimensions

CAUTION: Always use two hands to hold the planer

CAUTION: Where possible, clamp the workpiece to the bench

Chamfering

- To perform a chamfered cut as shown in (Fig. I), first align the 'V' groove (Fig. II) in the Movable Front Base (11) of the planer with the corner edge of the workpiece.
- Run the planer along the corner edge.

Maintenance

⚠ WARNING: Always ensure that the tool is switched OFF and the plug is removed from the mains power point before making any adjustments or maintenance procedures.

- 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
- Regularly check that all the fixing screws are tight. They may vibrate loose over time.

Cleaning

- Keep the tool's air vents undogged and clean at all times
- Remove dust and dirt regularly. Cleaning is best done with compressed air or a dry, soft-to-medium brush like a paint brush

CAUTION: Wear protective goggles when cleaning the tool.

- Re-lubricate all moving parts at regular intervals
- Never use caustic agents to clean plastic parts

CAUTION: Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool. Ensure the tool is thoroughly dry before using it.

Removing & installing planer blades

⚠ WARNING: Ensure the blade Clamping Screws (16) are tightened securely in the correct order shown in image M. Incorrect and/or insufficient tightening could cause serious injury to the operator.

This planer is fitted with HSS reversible blades. Blades can be reversed when blunt. After both sides of the blades have been used, they should be discarded.

⚠ WARNING: These blades cannot be re-sharpened.

Removing a planer blade

CAUTION: The blades are very sharp. Take care when handling them

- Using the supplied Blade Spanner (17), loosen the 5 Clamping Screws (16) (Image I)
- Line up the Blade Barrel (14) with the side indentation so the required Reversible Blade (15) can be removed, then carefully slide out the blade (Image J)

Installing a planer blade

⚠ WARNING: Only use HSS planer blades compatible with this tool. Using incorrect blades that are not HSS could cause serious injury to the operator.

- The blades are reversible with a cutting edge on both sides. If a blade edge is worn or damaged, the blade can be removed and placed back the other way around
- Slide a good blade face up into the blade support block of the Blade Barrel (14)

Note: If only one blade is damaged, it can be replaced without the need to replace the other two blades. When blades are worn, they must be replaced as a set of three to prevent unbalanced operation with consequential dangerous vibration and possible damage to the tool.

Note: The ridge along the blade should be on the blade face on the opposite side to the Clamping Screws (16).

When installing blades:

- First clean out all chips or foreign matter adhering to the Blade Barrel (14) and the blades themselves
- Use blades of the same dimensions and weight, or the barrel will oscillate and vibrate causing poor planing action and possibly a machine breakdown
- Tighten the Clamping Screws (16) in the order shown in Image M when attaching the blades to the planer. A loose clamping screw could be extremely dangerous
- Tighten to a torque value of 10Nm (± 0.5); do not over-tighten
- Repeat for the two remaining blades
- Regularly check to see they are tightened securely

IMPORTANT: Once all adjustments have been made to the blades, it is important to re-check that the clamping screws are secure. After a short period of work activity check that they remain tight and at a torque value of 10Nm (± 0.5). Carry out another check after a reasonable period of use.

IMPORTANT: The planer is designed so that the blades are correctly aligned if placed flush into the barrel slots and tightened correctly.

- When inserting new blades, it is essential they sit square in their slot; that they are fully inserted; and that the cutting edges are absolutely level, i.e. parallel to the surface of the rear base
- A metal ruler can be placed on the rear base at 3 different positions to ensure the blade is level
- Only when the blade is level with the rear base should the clamping screws be tightened
- A further check of the Movable Front Base (11) position can be made by setting the Depth Adjustment Knob (12) to '0' and placing the ruler across both the Movable Front Base and Rear Fixed Base (6) (Image K). This provides a reference to the accuracy of the front base position
- Blade must be positioned centrally on the drum (Image L)

⚠ WARNING: If the blades protrude or are not square, they could hit the casing with serious risk to the operator and others in the vicinity.

Note: The planing surface will end up rough and uneven unless the blades are set and secured properly.

The examples below show proper and improper settings:

- Correct setting - clean smooth cut (Fig. III).
- Nicks in surface - as caused by the edge of one or all blades not being parallel to the surface of the rear base (Fig. IV).
- Gouging at start - as caused by the edge of one or all blades not protruding enough in relation to the surface of the rear base (Fig. V).
- Gouging at end - as caused by the edge of one or all blades protruding too far in relation to the surface of the rear base (Fig. VI).

(a) Movable Front Base (11) which is altered by the Depth Adjustment Knob (12)

(b) Fixed Rear Base (6)

Drive belt replacement

1. Replace the drive belt by first taking out the three cross-head screws that secure the Drive Belt Cover (8) on the left-hand side of the planer when viewed from the rear (Image N)

Note: The front screw is longer than the other two. Take care to replace this screw in the same hole when replacing the cover.

2. Remove the damaged belt by pulling it sideways off the top pulley and turning the bottom pulley by hand. Use a soft brush to clean the pulleys and the surrounding area

Note: Wear eye protection when cleaning out the pulley area.

3. With the six continuous 'v' profiles on the inside, place the new belt over the bottom pulley. Half-fit the other end of the belt on the top pulley, then roll the belt in place whilst turning the pulley
4. Check the belt runs evenly by manually turning the belt
5. Replace the Drive Belt Cover and the three fixing screws, ensuring the longer screw is located in the hole at the front of the cover
6. Plug the machine back into the power outlet and switch the tool on and run for a minute to make sure that the motor and belt are operating correctly

Brushes

- 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 service centre

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

Contact

For technical or repair service advice, please contact the helpline on (+44) 1935 382 222

Web: tritontools.com/en-GB/Support

UK Address:

Toolstream Ltd.
Boundary Way
Lufton Trading Estate
Yeovil, Somerset
BA22 8HZ, United Kingdom

EU Address:

Toolstream BV.
Hermesstraat 1
Industrieterrein nr. 1361
5047 TS Tilburg
Netherlands

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.

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Troubleshooting

Symptom	Possible Cause	Solution
No power	Mains plug not inserted into socket or switched on	Plug in and switch on
	Fuse blown in plug or circuit breaker tripped in consumer unit	Replace fuse or reset circuit breaker
	RCD connected and not reset	Reset RCD
	Extension lead overloaded and thermal protection has operated	Replace extension lead or unwind cable fully from reel to allow maximum current use and reset thermal protection
	Power lead or power lead connection to tool or mains plug damaged	Requires repair at an authorised Triton service centre
Motor does not start	Power tool fault	Requires repair at an authorised Triton service centre
	Carbon brushes worn	Brushes need replacing by an authorised Triton service centre
Rough finish on wood after planing	Power tool fault	Requires repair at authorised Triton service centre
	Worn blade or blades	Replace all blades
	Damaged blade or blades	Replace one or more blades
Depth of cut incorrect	Wood is wet	Allow wood to dry
	Worn or damaged blades	Replace blades
	Poorly fitted blade or blades	Re-fit blade or blades
Barrel not rotating	Incorrect blades fitted	Replace blades with correct type
Vibration or abnormal noise	Broken drive belt	Replace belt
	STOP using tool immediately	Re-check all user accessible parts are secure and correctly fitted and if not solved contact an authorised Triton service centre

Guarantee

To register your guarantee visit our web site at tritontools.com* and enter your details.

Purchase Record

Date of Purchase: ___/___/___

Model: TPL180B

Retain your receipt as proof of purchase

Triton Precision Power Tools guarantees to the purchaser of this product that if any part proves to be defective due to faulty materials or workmanship within 3 YEARS from the date of original purchase, Triton will repair, or at its discretion replace, the faulty part free of charge.

This guarantee does not apply to commercial use nor does it extend to normal wear and tear or damage as a result of accident, abuse or misuse.

* Register online within 30 days.

Terms & conditions apply.

This does not affect your statutory rights

Australian Warranty Information

You may wish to register your product at www.tritontools.com but you are not under any obligation to do so.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.

You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This product is guaranteed against faulty materials and workmanship for 3 YEARS from the date of purchase. Please retain your receipt as proof of purchase.

This warranty does not cover defects caused by or resulting from:

- (a) misuse, abuse or neglect;
- (b) trade, professional or hire use;
- (c) repairs attempted by anyone other than our authorised repair centres; or
- (d) damage caused by foreign objects, substances or accident.

Warranty Exclusions

Wearing parts, consumable items or service-related parts required when performing normal and regular maintenance of this product are not covered by the warranty unless it is found to be defective by an Authorised Service Centre.

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