

**300mm
Bandsaw**

OPERATING & SAFETY INSTRUCTIONS

Lintzaag 300mm

BEDIENINGS- EN VEILIGHEIDSIINSTRUCTIES

Scie à Ruban 300mm

INSTRUCTIONS D'UTILISATION ET CONSIGNES DE SECURITE

**300mm
Bandsäge**

BEDIENUNGS- & SICHERHEITSANWEISUNG

Sega a Nastro

ISTRUZIONI PER L'USO E LA SICUREZZA

Sierra de Banda

INSTRUCCIONES DE FUNCIONAMIENTO Y SEGURIDAD



Thank you for purchasing this Triton tool. These instructions contain information necessary for safe and effective operation of this product.

Please read this manual to make sure you get the full benefit of this unique Triton product. Keep this manual close to hand and ensure all users of this tool have read and fully understand the instructions.

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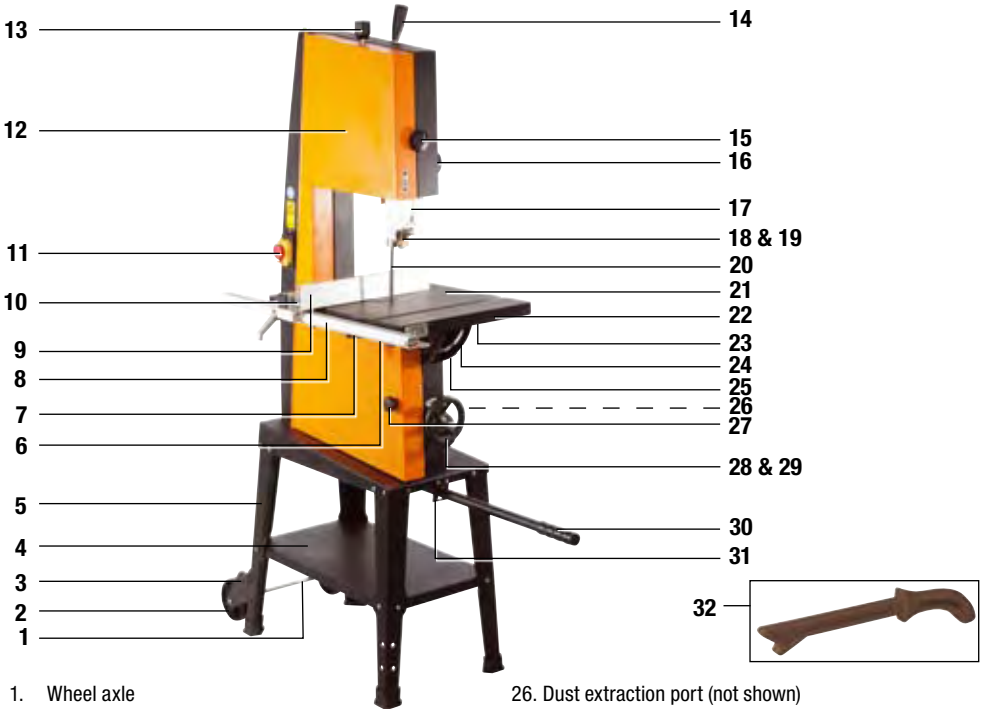
SPECIFICATIONS

Part no:	TRBS12
Voltage:	220 – 240V ~ 50Hz
Input power:	800W
No load speed:	1,400min ⁻¹
Cutting speed:	370-750m/min
Blade:	Length: 2.36m Width: 3.5 to 15mm
Net weight:	77kg
Bevel range:	-17°-45°
Passage width:	306mm
Passage height:	205mm
Table size:	548mm x 400mm
Earthed:	

Protect your hearing

Always use proper hearing protection when operating powertools

FEATURES



1. Wheel axle
2. Wheels
3. Wheel brackets
4. Tray
5. Legs
6. Lower blade guides (not shown)
7. Table angle stop bolt
8. Fence track
9. Fence
10. Fence stop tube
11. On/Off switch
12. Access door
13. Saw blade tensioning knob
14. Saw blade tracking knob
15. Upper door lock
16. Blade guide height adjuster
17. Upper blade guide assembly
18. Blade guides
19. Saw blade counter-pressure bearings
20. Saw blade
21. Table insert
22. Table
23. Table base
24. Table base angle adjuster
25. Table angle lock lever

26. Dust extraction port (not shown)
27. Lower door lock
28. Speed control wheel
29. Wheel handle
30. Handle
31. Handle brackets
32. Push stick
33. 10mm/13mm spanner
34. 3mm hex key
35. 6mm hex key

Stand fasteners:

36. M6 x 16 hex bolts
37. M6 hex nuts
38. Spring washers
39. Flat washers
40. M6 cap screws
41. Circlips

Bandsaw fasteners:

42. Wing screws
43. Large washers
44. M8 x 16mm hex bolts
45. M8 washers
46. M8 nyloc nut
47. M8 hex nut
48. M6 cap screw

SAFETY INSTRUCTIONS



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.

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

- a. Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- b. 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.
- c. Keep children and bystanders away whilst operating a power tool. Distractions can cause loss of control.

2. Electrical safety

- a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adaptor plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. 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.
- c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d. 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.
- e. 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.
- f. 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.

3. Personal safety

- a. Stay alert, watch what you are doing and use common sense when operating a power tool.

Do not use a power tool when tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

- b. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. Avoid accidental starting. Ensure the switch is in the 'off' position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- d. 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.
- e. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f. Dress appropriately. Do not wear loose clothing or jewellery. Keep hair, clothing and gloves away from moving parts.
- g. If devices are provided for dust extraction and collection purposes, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.

4. Power tool use and care

- a. Do not force the power tool. Use the correct power tool for the application. The correct power tool will perform better and safer at the rate for which it was designed.
- b. Do not use the power tool if the 'on/off' switch does not work correctly. Any power tool that cannot be controlled by the 'on/off' switch is dangerous and must be repaired.
- c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventative safety measures reduce the risk of starting the power tool accidentally.
- d. 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.

- e. Always unplug the power tool when leaving it unattended. Such preventative safety measures reduce the risk of starting the power tool accidentally by untrained users.
- f. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the operation of the power tool. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- g. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- h. Use the power tool, accessories and tool bits, in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations not suited to the tool could result in a hazardous situation.

5. Service

- a. Have the 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

WARNINGS FOR BANDSAWS

- Ensure that the lighting is adequate.
- Keep the area free of tripping hazards.
- Always stand to one side when operating the machine.
- Never use a cracked or distorted blade. Only use sharp blades.
- When cutting round wood, use clamps that prevent the workpiece from turning on the table.
- Never use your hands to remove sawdust, chips or waste close to the blade.
- Use only blades as recommended.
- Rags, cloths, cord, string etc. should never be left around the work area.
- Avoid cutting nails. Inspect the workpiece and remove all nails and other foreign objects before sawing the workpiece.
- Support the work properly.
- Never reach over the blade to remove waste or off cuts.

- Do not attempt to free a jammed blade before first switching off the machine.
- Do not slow or stop a blade with a piece of wood. Let the blade come to rest naturally.
- If you are interrupted when operating the machine, complete the process and switch off before looking up.
- Periodically check that all nuts, bolts and other fixings are properly tightened.
- Do not store materials or equipment above a machine in such a way that they could fall into it.
- Ensure that your work is always on the table. Never make a cut with the work off the table.
- Wear goggles, earmuffs, and a breathing mask.

TRANSPORT WARNINGS

The machine may only be lifted and transported by holding the rigid parts of the main body.

Lifting the machine by any of the table, knobs or levers can damage the machine.

During transport the saw blade protection must be in the lowest position and close to the table.

Unplug the machine from the mains before transport.

SYMBOLS

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.



Always wear ear, eye and respiratory protection.



Conforms to relevant legislation and safety standards.



Instruction warning.



Instruction note.



Do not use before viewing and understanding the full operating instructions.



Double insulated for additional protection.

SETTING UP

Prepare the workplace in the location where the machine is to be operated. Ensure there is sufficient room to allow safe operation. The machine must be placed on a firm, level surface.

FITTING THE STAND

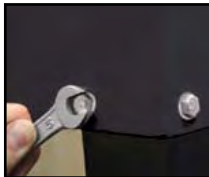
1. With the bandsaw resting on its side, on the ground, fit the Legs (5) onto the internal edges of the bandsaw base using three M6 x 12mm Hex Bolts (36), Flat Washers (39), Spring Washers (38) and M6 Hex Nuts (37) per leg, as shown. Finger-tighten only.



2. When all the legs are loosely fitted, position the Tray (4) between the four legs, with the flanged face pointing away from the machine. Loosely fix the tray into position using M6 x 12mm Hex Bolts (36), Flat Washers (39), Spring Washers (38) and M6 Hex Nuts (37).



3. Tighten all the bolts securing the stand to the bandsaw and then those holding the tray in position.



4. With assistance, carefully lift the bandsaw upright, ensuring the feet locate firmly on level ground. If there appears to be any rocking movement in the stand, loosen all the bolts and re-tighten.

5. Screw the Wheel Brackets (3) onto the rear legs using M6 x 12mm Hex Bolts (36), Flat Washers (39), Spring Washers (38) and M6 Hex Nuts (37). Tighten into position.



6. Place a Wheel (2) between each bracket while threading the Wheel Axle (1) through the axle holes. Fit a Circlip (41) to each end of the shaft.



7. Fasten a Handle Bracket (31) onto the front of the bandsaw using M6 x 12mm Hex Bolts (36), Flat Washers (39), Spring Washers (38) and M6 Hex Nuts (37), as shown. Fit the remaining bracket to the flange on the underside of the bandsaw.



8. Screw the two M6 Cap Screws (40) into the holes in the Handle (30). Insert the handle through the handle brackets, aligning the screws with the keyhole slots to enable it to be slid fully under the machine.



IN USE: The handle pulls out to aid in wheeling the bandsaw to an alternative location. Slide the handle out and rotate until the second screw locates against the handle bracket furthest from the front of the machine. Use the handle to raise the front of the bandsaw and carefully guide it to the required position.



FITTING AND ADJUSTING THE TABLETOP

1. Release the Table Angle Lock Lever (25) and angle the Table Base (23) to 0° using the Table Base Angle Adjuster (24). Re-lock the angle adjuster lever.



2. Locate the Table (22) onto the table base, as shown, and loosely screw into position using the four M8 x 16mm Hex Bolts (45) and M8 Washers (46).



Release the Door Locks (15 & 27) and open the Access Door (12).

3. Place a straight edge against the back edges of the saw blade, as shown, and use a square against the straight edge and the table groove to position the table square to the saw blade.



4. Release the angle adjuster lock lever by a half turn and tighten all the bolts.
5. Place a square against the side of the saw blade and adjust the table square to the saw blade using the Angle Stop Bolt (7) beneath the table.



Tighten the lock nut down onto the post to lock in the position. Lock the angle adjuster lever.

ASSEMBLING AND ADJUSTING THE FENCE

1. Screw in the four Wing Screws (42), each with a Large Washer (45), approximately 5mm into the underneath of the table, as shown.



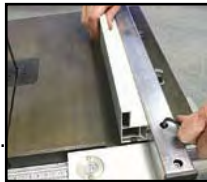
2. Insert the Fence Track (8) until it stops against the table and the wing screws.

3. Secure the fence track to the table, as shown, using the two M6 Cap Screws (48) and Spring Washers (38), using the 6mm Hex Key (35).



4. Tighten the four wing screws.

5. With its lock lever raised, locate the Fence (9) into the fence track on the right side of the saw blade. Slide it alongside the table slot, lock down the lever and check that it is parallel to the slot. If necessary use the 6mm Hex Key (35) through the access hole in the top of the fence to loosen the hex screw and adjust the fence parallel to the slot. Re-tighten the screws.



6. Locate the fence exactly 50mm from the saw blade. The scale line on the magnifying glass should now read 50mm. If necessary, loosen the Phillips-head screw on the left hand end of the scale extrusion to fine-tune the position of the scale.



Re-check that the fence is still parallel to the table groove (repeat point 5).

FITTING THE SPEED CONTROL WHEEL

1. Screw the Wheel Handle (29) onto the Speed Control Wheel (28), and tighten with the Spanner (33)



2. Slide the speed control wheel onto the bolt on the right side of the machine, as shown. Secure it into position using an M8 Nyloc Nut (46) and M8 Washer (45).

FITTING THE BLADE TENSIONING KNOB

Fit the Saw Blade Tensioning Knob (13) onto the bolt on top of the machine and secure it into position using an M8 Hex Nut (47) and Washer (45).




SAW BLADE TENSION

Saw blade tension is dependent on the width of the saw blade – broad saw blades require a greater tension than narrower ones.

- Adjust the Saw Blade Tensioning Knob (13) while using the gauge on the rear of the bandsaw to set the required tension for your saw blade width.



 Too much tension can cause premature breakage of the saw blade.

DUST EXTRACTION

- When used in enclosed spaces, the machine must be connected to a vacuum exhaust unit to remove sawdust. The vacuum support flow rate must be 20m/s.
- A dust extractor which conforms with commercial regulations must be used for suction in commercial areas.
- Do not switch off or remove dust extraction while the machine is in operation.
- Connect your dust extraction device hose to the Dust Extraction Port (26) on the bandsaw using a 4" dust extraction hose.

POWER

This product is designed to operate from a standard household supply of 230-240V AC. Prior to plugging in the tool, check the rating label tool and ensure that it states that the operating voltage is 230-240V.

OPERATION

- This machine is fitted with a saw blade intended only for cutting wood and some plastics. If planning to cut other materials fit a saw blade specific for that purpose.
- Before operating, ensure that all safety warnings contained within this manual are read and understood.
- Any malfunctions, especially those effecting the safety of the machine, must be repaired before use.
- Always position the Saw Blade Guide Assembly (17) as near to the workpiece as possible when operating.
- For larger workpieces which cannot be comfortably managed, ensure appropriate work support devices are used (ie. Triton Multi-Stands).

ADJUSTING THE UPPER SAW BLADE GUIDE ASSEMBLY

The upper blade guide assembly should always be adjusted just above the workpiece to restrict any vertical movement during operation. Ensure that it is not touching the workpiece. It can be set to accommodate workpieces up to 160mm high.

- Rotate the Height Adjustment Knob (16) until the Blade Guide Assembly (17) is just above your workpiece. You can also adjust the height using the scales on the side of the guide assembly for reference.



Align the required scale setting with the underside of the wheel housing.



- Once the height is adjusted to the desired position tighten the thumb-nut on the height adjustment knob.

ON / OFF SWITCH

This bandsaw is fitted with a safety stop panel which must be raised in order to switch the machine on.

- Raise the stop button to release the clip at the base of the panel and lift the panel to access

the green 'on' switch. The panel will lock in the up position while switching on and must be lowered before commencing operation of the machine.



- Hit the large stop panel to switch the unit off.



SPEED CONTROLLER

The speed can be set within the range of 370 to 750m/min and should be adjusted to suit the type of material being cut.

- Lower speeds should be used for cutting materials like aluminium, brass, copper, duro-plastics and hard synthetic materials.
- Higher speeds should be used for cutting wood and similar materials.
- With the bandsaw switched on, rotate the Speed Control Wheel (28) to set the desired speed. Rotating the wheel anti-clockwise will increase the blade speed, and clockwise will reduce the speed.




⚠ Never turn the speed controller when the bandsaw is not running.

FENCE

The fence is used when performing ripping (longitudinal) cuts down the length of a workpiece. It can be used on the left, or the right side of the saw blade.



 If fitting to the left, remove the thumbscrews and the fence face guide track and relocate them to the opposite side of the Fence Stop Tube (10).

- Locate the Fence (9) onto the Fence Track (8), slide it along to the desired measurement and lock it by pressing down the fence clamp.
- The fence face can be adjusted to provide support of the workpiece, where it is most needed. Release the thumbscrews on the back of the fence and slide the fence forward or backward to the required position and tighten the thumbscrews.
- Switch on the bandsaw and hold the workpiece evenly against the fence whilst performing the cut.

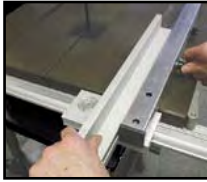


TABLE ANGLE

The table can be tilted for performing bevel cuts (cutting an angle along the length of a workpiece).

- Locate the fence onto the right hand side of the saw blade.
- Release the Table Angle Lock Lever (25) and use the Table Base Angle Adjuster (24) to tilt the table to the desired bevel setting, according to the angle scale. Re-lock the lever firmly.



- Place your workpiece on the table and adjust the Upper Blade Guide Assembly (17) so that it allows the workpiece to pass beneath it.

- Set the fence to provide the required cutting width.
- Switch on the bandsaw and hold the workpiece evenly against the fence whilst performing the cut.



WHEN CUTTING:

Always adjust the Upper Blade Guide Assembly (17) just above the workpiece, to restrict vertical movement during operation.

Use only enough pressure to keep the saw cutting. Do not force the cutting. Allow the blade and the saw to do the work.


When cutting at a bevel (with the table tilted) ensure that the fence is located on the right hand side of the blade.

When cutting rod, use a jig or fixture to prevent the workpiece from turning.

Always use the fence for straight cuts to keep the workpiece from tipping or slipping away.

When working on narrow workpieces always use the push stick.

For arced and irregular cuts, push the workpiece evenly using both hands. Ensure the workpiece is held firmly against the tabletop and that your hands are kept well clear of the blade at all times.

 Use a template for repeated arced or irregular cuts.

SERVICE & MAINTENANCE

- Switch off the motor and disconnect the machine from mains power before commencing any service or maintenance on the machine.
- Any damage to the machine should be repaired and carefully inspected before use by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- Servicing should only be carried out by authorised Triton Repair Centres using original Triton replacement parts. Follow instructions carefully. Use of unauthorised or faulty parts may result in electrocution or injury.
- Triton Precision Power Tools will not be responsible for any damage or injury caused by unauthorised repair or by mishandling of the tool.
- Ensure the tilting components of the table and the blade tensioning device are slightly greased. Do not use a brush or scraper to clean the saw blade while the machine is running.
- Regularly check positioning of the upper and lower blade guides and the counterpressure bearings. If required, readjust them as detailed on page 13 or remove them and grease or exchange the parts.
- Replace worn-out Table Inserts (21).

REPLACING THE SAW BLADE

1. Remove the Fence Track (8).
2. Open the Access Door (12) by releasing the Upper (15) and Lower (27) Door Locks. Rotate the steel bar at the top of the door to hold the door open.

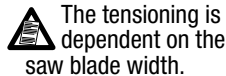


3. Reduce the saw blade tension by rotating the Saw Blade Tensioning Knob (13) anti-clockwise.



4. Carefully slide the saw blade off the upper and lower blade wheels.

5. Carefully insert the new blade over the lower then upper blade wheel and tighten the tensioning knob slightly while turning the blade wheel manually, in the cutting direction, until the blade positions evenly on the wheels.



The tensioning is dependent on the saw blade width.

Use the gauge on the rear of the bandsaw to set the required tension for your saw blade width.



Broad saw blades require a greater tension than narrower ones.

Too much tension can cause premature breakage of the saw blade.

6. Confirm that the saw blade runs centrally on the blade wheels. If necessary continue turning the upper blade wheel manually and adjust the sideways position of the blade by loosening the thumbnut and turning the saw blade tracking knob (14). Re-tighten the thumbnut once you are satisfied with the blade position.



7. Close and lock the access door.

ADJUSTING THE SAW BLADE GUIDES

1. Counter-pressure bearings support the blade against feed pressure during a cut. Use the 3mm Hex Key (34) to position the Upper (19) and Lower Counter-Pressure bearings slightly against the back of the saw blade.



2. Adjust the Upper and Lower Blade Guides (18) to suit the saw blade thickness. Rotate the thumbwheel on either side of the blade to adjust the guides toward or away from the saw blade.



Ensure they are not pushed hard against the saw blade and that they are set back from the blade teeth.

POWER CORD

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or an authorised service centre in order to avoid a safety hazard.

WARRANTY

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

Your details will be included on our mailing list (unless indicated otherwise) for information on future releases. Details provided will not be made available to any third party.

PURCHASE RECORD

Date of Purchase: ___ / ___ / ___

Model: TRBS12

Serial Number: _____

(Located on motor label)

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 12 MONTHS 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.



DECLARATION OF CONFORMITY

The Undersigned: Mr Philip Ellis as authorized by: TRITON Declare that:

PRODUCT CODE: TRBS12 DESCRIPTION: 300mm Bandsaw

Electric power: 800W

CONFORMS TO THE FOLLOWING DIRECTIVES: • Machinery Directive 2006/42/EC

THE TECHNICAL DOCUMENTATION IS KEPT BY TRITON

NOTIFIED BODY: TUV Rheinland

PLACE OF DECLARATION: Nürnberg

EG-VERKLARING VAN OVEREENSTEMMING

De Ondergetekende: Mr Philip Ellis Gemachtigd door: TRITON Declare that:

TYPE/ SERIENR: TRBS12 NAAM/MODEL: Lintzaag 300mm

Stroom: 800W

VOLDOET AAN DE VEREISTEN VAN DE RICHTLIJN: • Machinery Directive 2006/42/EC

DE TECHNISCHE DOCUMENTATIE WORDT BEWAARD DOOR TRITON

KEURINGSINSTANTIE: TUV Rheinland

PLAATS VAN AFGIFTE: Nürnberg

DÉCLARATION DE CONFORMITÉ CE

Le soussigné: Mr Philip Ellis autorisé par: TRITON Declare that:

TYPE/SÉRIE NO: TRBS12 NOM/MODÈLE: Scie à Ruban 300mm

Courant électrique: 800W

SE CONFORME AUX DIRECTIVES SUIVANTES: • Machinery Directive 2006/42/EC

LA DOCUMENTATION TECHNIQUE EST ENREGISTRÉE PAR TRITON

ORGANISMES NOTIFIÉS: TUV Rheinland

ENDROIT DE LA DÉCLARATION: Nürnberg

KONFORMITÄT SERKLÄRUNG

Name des Unterzeichners: Mr Philip Ellis Bevollmächtigter: TRITON Declare that:

BAUART./ SERIENNUMMER: TRBS08 NAME/ DER GERÄTETYP: 300mm Bandsäge

Elektrischer Strom: 800W

PASST SICH AN DIE FOLGENDEN RICHTLINIEN AN: • Machinery Directive 2006/42/EC

TECHN. UNTERLAGEN HINTERLEGT BEI TRITON

BENNANTE STELLE: TUV Rheinland

ORT: Nürnberg

EC DECHIARAZIONE DI CONFIRMITÀ

Il sottoscritto: Mr Philip Ellis Come autorizzato di: TRITON Declare that:

TIPO/ NUMERO DI SERIE: TRBS12 NOME/ MODELLO: Sega a Nastro

Energia elettrica: 800W

SI CONFORMA ALL' INDIRIZZAMENTO: • Machinery Directive 2006/42/EC

IL DOCUMENTAZIONE TECNICO É MANTENUTO DI TRITON

CORPO INFORMATO: TUV Rheinland

POSTO DI DICHIARAZIONE: Nürnberg

DECLARACIÓN "CE" DE CONFORMIDAD

El abajo firmante: Mr Philip Ellis Autorizad por: TRITON Declare that:

TIPO Y NO SERIE: TRBS12 MODELO/NOMBRE: Sierra de Banda

Energía eléctrica: 800W

SE HALLA EN CONFORMIDAD CON LA DIRECTIVA: • Machinery Directive 2006/42/EC

LA DOCUMENTACIÓN TÉCNICA SE GUARDA POR TRITON

ORGANISMO NOTIFICADO: TUV Rheinland

LUGAR DE DECLARACIÓN: Nürnberg

Date: 01/03/11

Signed by:

Mr Philip Ellis
Managing Director