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PSR430

BAND SAW

IN GOOD HANDS

ORIGINAL INSTRUCTION MANUAL





ABOUT US

Peugeot Professional Tools was born out of several obvious reasons.

The first was to combine the know-how of **Peugeot**—which has mastered the art of cutting since 1810—with the expertise of **Tivoly**, a metalworker since 1917, to create a wide range of machines and tools designed for construction and maintenance professionals.

It also stemmed from a clear desire to serve craftsmen and small businesses driven by strong family values and a rich heritage.

For these professionals, **Peugeot Professional Tools** offers machines and tools designed specifically for their needs. **These are reliable, durable tools that can be repaired in France** and in countries covered by distribution agreements by local industrial and family-run partners.

Trusted equipment, backed by a longer warranty, with logistics and

French after-sales service. The assurance of dealing with the very people who assembled these tools and know every component inside and out.

From exceptional projects to everyday job sites, these tools are designed to withstand the most demanding conditions and stand the test of time.

Peugeot Professional Tools was born from one simple truth: that our tools are in good hands. The hands of those who work behind the scenes and give their all to satisfy their customers.

Since 1810, much has changed, but the hands have remained the same. The hands of passionate individuals—dedicated craftsmen, technicians, and installers—who take pride in themselves and their work.

Peugeot Professional Tools: tools in good hands.

THANK YOU FOR YOUR PURCHASE.

We are delighted that you have chosen **Peugeot Outils Professionnels**. Every detail has been designed to provide you with an exceptional experience, and we hope you enjoy using it as much as we enjoyed creating it for you.

Your trust is essential to us, and we are delighted to support you every step of the way as you experience the **Peugeot Outils Professionnels** brand.

Your purchase is covered by a 2-year warranty, which can be extended for an additional 2 years—

comments. To take advantage of this, sign up at www.peugeot-outils-pro.com

If you have any questions or need assistance, our team is here to provide you with the best possible service.

To contact our customer service department, visit [www.peugeot-outils-pro.com](#), call [+33\(0\)4.79.89.59.00](tel:+330479895900), or email at service@peugeot-outils-pro.com

Thank you for choosing **Peugeot Professional Tools**. Your satisfaction is our priority.

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1 INTRODUCTION



For safety reasons, read this instruction manual carefully before using this machine. Failure to follow the instructions may result in injury to persons and/or damage to the machine.

This instruction manual is intended for the operator, the set-up technician, and the maintenance technician.

This instruction manual is an important part of your equipment. It provides rules and guidelines that will help you use this machine safely and effectively. You must familiarize yourself with the machine's functions and operation by carefully reading this instruction manual. For your safety, it is particularly important that you read and follow all recommendations on the machine and in this instruction manual.

These recommendations must be strictly followed at all times during the use and maintenance of the machine. Failure to follow the safety guidelines and warnings in the instruction manual and on the machine, and/or using the machine in a manner other than that recommended in the instruction manual, may result in machine failure and/or injury.

Please keep this instruction manual with the machine or in a place where it can be easily accessed at any time for future reference. Ensure that all personnel involved in the operation of this machine can consult it periodically.

If the instruction manual is lost or damaged, please contact us or your dealer to obtain a new copy.

Always use PEUGEOT OUTILS PROFESSIONNELS components and parts. Replacing components or parts with non-PEUGEOT OUTILS PROFESSIONNELS items may cause damage to the machine and endanger the operator.

This manual describes the safety instructions to be followed by the user. It is the responsibility of the employer or the user, in accordance with Article L.4122-1 of the Labor Code, to ensure their own health and safety and that of others affected by their actions or omissions, in particular by complying with the instructions provided.

The employer must conduct an assessment of the specific risks associated with its operations, must train workers on the machine and on the prevention of these risks, and must appropriately inform workers responsible for operating or maintaining work equipment of the instructions or guidelines that apply to them.

2 PICTOGRAMMES

2.1 MACHINE SAFETY PICTOGRAMS

Meaning of the safety pictograms affixed to the machine (keep them clean and replace them when they are illegible or peeling off):



Safety glasses must be worn



Protective clothing must be worn



Respirator must be worn



Read the instruction manual carefully



Danger: Sharp edge



Danger: risk of being pulled in



Hearing protection must be worn



Safety shoes must be worn



Do not wear loose-fitting clothing, clothing with wide sleeves, jewelry, bracelets, watches, wedding rings, etc.
Wear hair covers if you have long hair



Do not wear gloves while operating the machine



Do not touch



Danger: Electrical hazard

2.2 PICTOGRAMS IN THIS INSTRUCTION MANUAL



Immediate danger to people and damage to the machine



Possible damage to the machine or its surroundings



When changing tools or cleaning, wear protective gloves



Note



Electrical work must be performed by qualified personnel authorized to perform low-voltage electrical work.

3 SÉCURITÉ

3.1 GENERAL SAFETY REQUIREMENTS



To reduce the risk of fire, electric shock, mechanical injury, and personal injury when using power tools, follow the basic safety guidelines.

This instruction manual takes into account only reasonably foreseeable behaviors.

Our machines are designed and manufactured with the operator's safety always in mind.

We assume no liability for any damage resulting from inexperience, improper use of the machine, and/or damage to the machine, and/or failure to follow the instructions and safety rules contained in this instruction manual.

As a general rule, accidents always occur as a result of misuse or failure to read the instruction manual.

Please note that any modification to the machine will void our warranty.

Check that all safety guards are present, in good condition, and functioning properly before starting work.

Ensure that moving parts are functioning properly, that there are no damaged components, and that the machine is operating perfectly during startup.

Only qualified and authorized personnel are permitted to repair or replace damaged parts.

Keep the work area clean and tidy.

Ensure that the entire work area is visible from the workstation.

Cluttered work areas and workbenches are a potential source of injury.

Do not use the machine outdoors, in very damp areas, or in the presence of flammable liquids or gases.

Position the machine in a sufficiently lit work area.

Young workers under the age of eighteen are prohibited from using the machine.

Do not allow anyone, especially children or animals, who is not authorized to be in the work area to touch the tools or electrical cables, and keep them away from the work area.

Never leave the machine while it is running. Always disconnect the power supply. Do not leave the machine until it has come to a complete stop.



Do not overload the tool; it will perform better and be safer when used at the speed for which it is designed.

Do not use small tools to perform work intended for a larger tool.

Do not use tools for tasks for which they are not intended.



Do not damage the power cord.

Never pull on the power cord to unplug it from the outlet.

Keep the power cord away from heat sources, greasy surfaces, and/or sharp edges.

Protect the power cord from moisture and any potential sources of damage.

Check the power cord periodically, and if it is damaged, have it repaired by an authorized service provider.

A defective switch must be replaced by an authorized service provider.

Do not use the machine if the switch does not turn it on or off.



Do not overestimate your strength.

Always maintain a stable position and good balance.

Pay attention to what you are doing, use common sense, and do not operate the machine when tired.

Always use both hands to operate this machine.

The use of any accessories other than those described in the instruction manual may pose a risk of injury to people.

The user is responsible for the machine and must ensure that:

The reel is used only by people who are familiar with the instructions and authorized to do so.

Safety rules have been followed.

Users have been informed of the safety rules. Users have read and understood the instruction manual.

Responsibilities for maintenance and any necessary repairs have been clearly assigned and followed. Any defects or malfunctions have been immediately reported to an authorized repair technician or your dealer.

The reel must be used for the applications described in this manual.

Any use other than that specified in this instruction manual may be hazardous.

Mechanical and/or electrical safety devices must not be removed or bypassed.

No modifications and/or conversions may be made.

PEUGEOT OUTILS PROFESSIONNELS assumes no liability for damage caused to persons, animals, or property resulting from failure to comply with the instructions and safety rules contained in this instruction manual

3.2 SPECIFIC SAFETY REQUIREMENTS

- Before each use, check that the machine is not damaged. Do not use the machine with damaged parts.
- Replace the blade immediately if any teeth are damaged or broken.
- When working on long pieces, use appropriate supports on both sides of the machine. Avoid awkward body positions. Make sure your feet are on a solid surface and maintain your balance at all times.
- Before starting the machine, check that there are no objects (such as tools) inside the machine.
- Before machining a workpiece, inspect it carefully for foreign objects (nails, screws) that could interfere with proper operation.
- Make sure that no part of your body or clothing can be caught by the blade (do not wear a tie or long-sleeved clothing). Tie back long hair.
- Wear gloves during any maintenance or cleaning of the machine.
- Dust and wood chips are hazardous to your health and must never be inhaled. To prevent this, use a suitable chip vacuum cleaner:
 - Adjust the vacuum cleaner hose to match the diameter of the machine's suction nozzle (100 mm).
 - Minimum air volume: 815 m³/h
 - Minimum vacuum pressure at the machine's suction nozzle: 740 Pa
 - Minimum air velocity at the machine's suction nozzle: 20 m/s
- Do not submerge the machine in water or wash it with a high-pressure water jet, as this may cause water to enter the electrical components.
- Do not use solvents or harsh detergents.
- Store the machine in a dry place and out of the reach of children.

3.3 OPERATOR PROTECTION



For the operator's safety, ensure that protective screens and guards are in good condition and in place. Make sure that non-working parts are always covered by a protective guard.

This machine is designed for a single operator.

The operator must wear appropriate personal protective equipment:

- Safety glasses.
- Hearing protection.
- Safety shoes.
- Respiratory protection.



The operator must wear close-fitting clothing and, if necessary, a hairnet for long hair.

The operator must not wear, for example:

- Loose-fitting clothing or clothing with wide sleeves.
- Bracelets, watches, wedding rings, or jewelry.
- Any other objects that could become caught in the machine's moving parts.



4 DESCRIPTIF ET FONCTIONNEMENT

4.1 INTENDED USE OF THE MACHINE

The PSR430 is a machine designed for cutting wood. Machining any material other than wood is permitted only with the manufacturer's approval.

In the event of misuse or the machining of materials other than those intended, the manufacturer assumes no liability.

Under proper conditions of use and maintenance, safe operation and performance are guaranteed for several years.

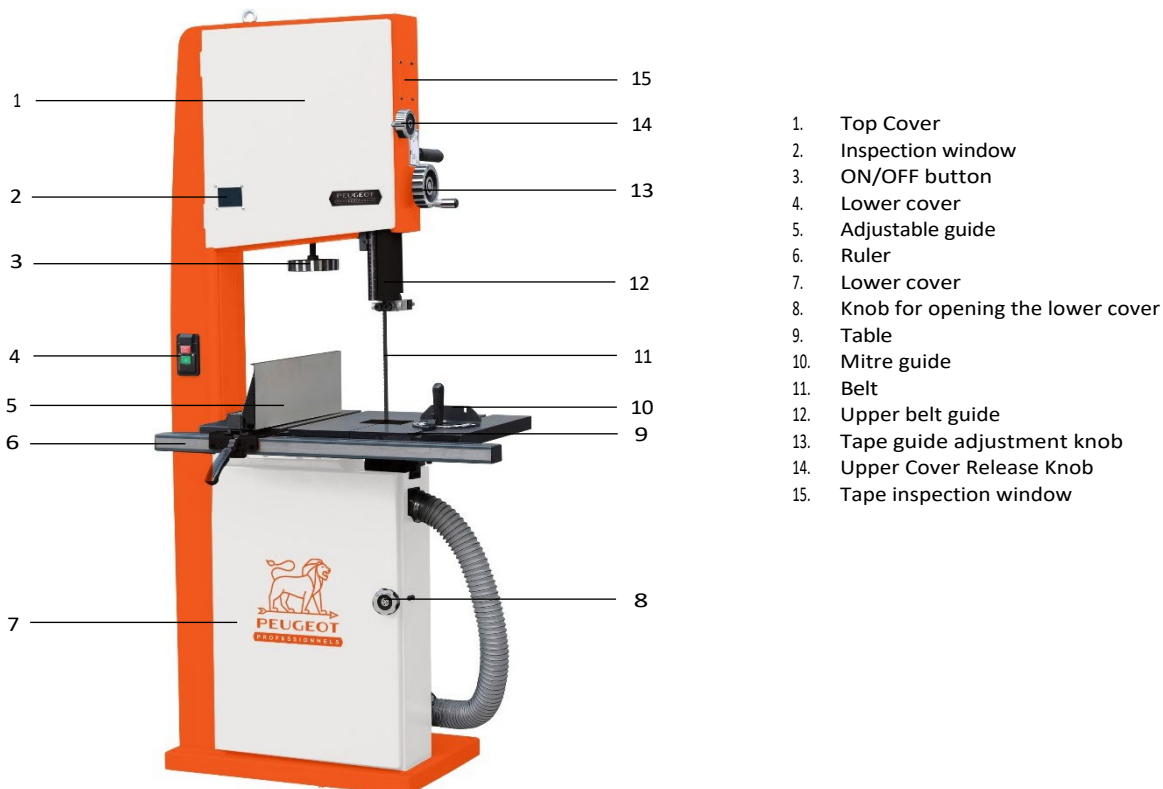
To ensure this, familiarize yourself with the machine's various functions.

4.2 SPECIFICATIONS

- Powerful 2.5 kW motor: allows for cutting large pieces, ideal for heavy-duty woodworking projects
- Balanced cast-iron pulleys with rubber belts, Ø430mm
- Large table made of ground hardened cast iron, 560 x 450 mm
- Gear-driven horizontal table, adjustable from -5° to 45°
- Compatible bands from 6 to 20 mm wide
- Ball-bearing blade guide, continuously height-adjustable up to 360 mm
- Reversible parallel guide
- Viewing window to check belt tension
- Suction nozzles, Ø100 mm
- Quick-tensioning system with graduations
- Quick-change ribbon

	Max. cutting width (mm)	Max. cutting height (mm)	Flywheel diameter (mm)	Blade dimensions (mm)	Power supply	Motor power (kW)	Weight (kg)	Dimensions (W x D x H) (mm)
PSR430	420	360	430	3597 x 6 – 25.4	230V – single-phase	2.5	190	960 x 875 x 1870

4.3 MACHINE DESCRIPTION



5 INSTALLATION

5.1 PACKAGING

The machine is packaged on a pallet in a wooden crate. When unpacking, remove each component, check its overall condition, and then proceed with assembly.

If the product appears to be defective or if any parts are broken or missing, contact your seller. Keep the instruction manual for future reference.

5.2 HANDLING AND TRANSPORT

The machine can be transported in two ways:

- With a pallet jack: To do this, secure the machine to the pallet using 4 screws.
- By several people: To do this, the machine must be carried using straps or blocks placed under the saw table.

5.3 SETTING UP THE MACHINE



Installation Environment:

- Power supply voltage compliant the machine's specifications (230 V single-phase).
- Ambient temperature between +5°C and +40°C.
- Relative humidity not exceeding 90%.
- Adequate ventilation at the installation site.
- A work area that is sufficiently lit to ensure safely: the lighting must be 500 LUX.

5.4 ASSEMBLY

Unpainted surfaces are coated with oil to protect them from rust. Remove the oil with a solvent or degreaser before use.

Installing the suction hose nozzle:

- Place the nozzle on the side of the machine and secure it using the 4 screws provided.



Attaching the suction hose:

- Place the suction hose onto the nozzle at the table
- Secure it using the hose clamp
- Attach the other end of the hose to the extraction outlet nozzle
- Secure it using the hose clamp



Assembling the table:



The table is heavy; it is recommended that two people perform this task.

- Place the table on the stand and align the holes in the table with the machine's mounting system
- Secure the assembly using the 4 screws and washers provided

To adjust the table's tilt, see section 6.2.



Table Insert Assembly:

- Place the table insert into the hole in the center of the table.



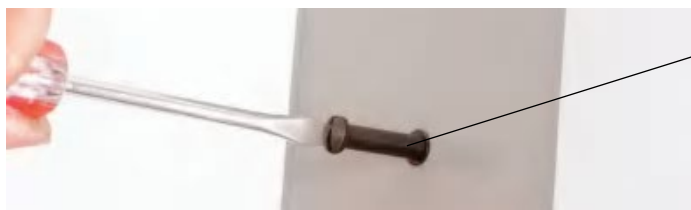
Installing the ribbon guide adjustment knob:

- Loosen the 2 set screws on the knob
- Place the knob on the shaft and push it in until it stops
- Tighten the grub screws to secure the knob



Installing the hook screw on the push rod

- Tighten the screw into the threaded hole on the side of the machine
- Hook the push rod onto the screw



5.5 ELECTRICAL CONNECTION



Electrical work must be performed by qualified personnel authorized to work on low-voltage electrical systems.



**Check that the cutting shaft rotates in the correct direction.
The warranty does not cover damage caused by an improper connection.**



ELECTRICAL PRESENCE

Make sure the mains voltage matches the machine's rating and that the electrical outlet is in good condition and properly grounded. Check that the electrical outlet at your location is compatible with the plug on the machine's power cord.

The electrical outlet must comply with the "EN 60309-1" standards.

Connect the machine using the power cord.

Make sure the machine's power switch is in the "0" position. Verify that the electrical system to which the machine will be connected is properly grounded in accordance with current safety standards.

We remind the user that there must always be a circuit breaker installed upstream of the electrical system to protect all conductors against short circuits and overloads.

This protection must always be selected based on the machine's electrical specifications, as indicated on the nameplate:

- Voltage: 230 V three-phase
- Frequency: 50 Hz
- Current: 10 A
- Motor power: 2.5 kW



Use cables and cable reels with a cross-section and length appropriate for the machine's power rating, and unroll them completely. Electrical connections and extension cords must be protected from splashes and kept on dry surfaces.



Using the machine with a damaged power cord is strictly prohibited. Regularly check the condition of the power cord, the cord guide, and the switch.



Do not unplug the machine from the electrical outlet by pulling on the power cord; pull only on the plug.

6 AJUSTEMENTS ET PRÉPARATION



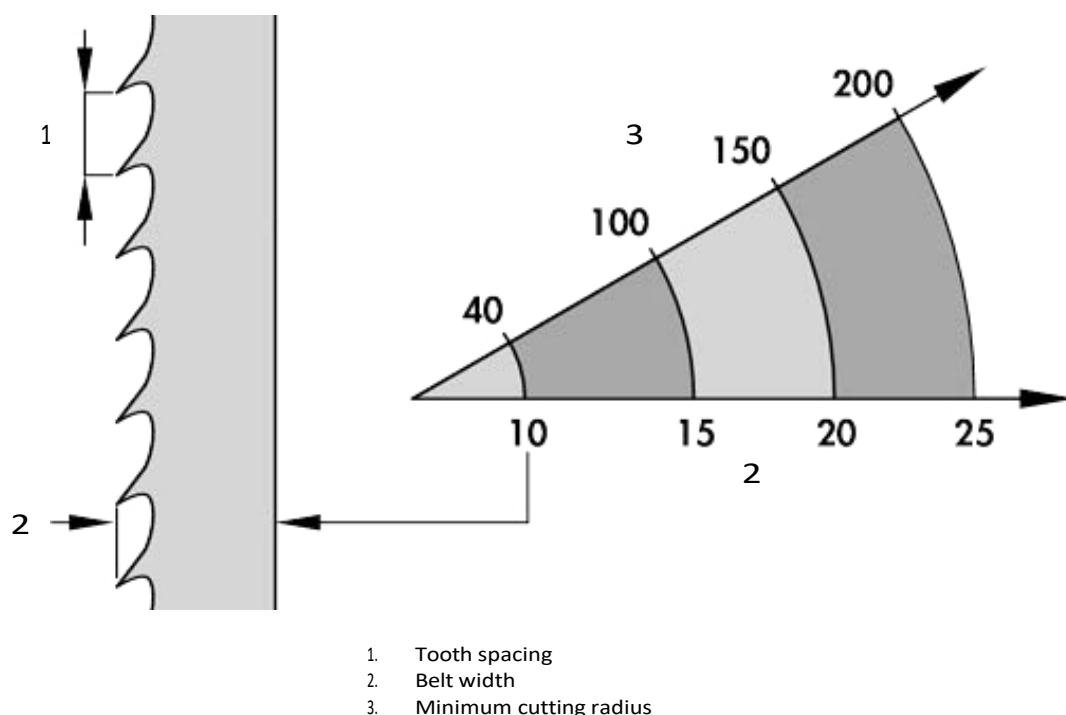
Before performing any maintenance or adjustments, turn off the machine and unplug it to prevent accidental startup. Inspect the machine before beginning any work to ensure it is complete and in good condition. Ensure there is sufficient space to work around the machine. Install safety equipment according to the instructions and verify that it is functioning properly.

6.1 TAPE SELECTION

The choice of blade should be based on several factors:

- Thin bands are used for curved and circular cuts. Wide bands are used for straight cuts
- Fine-toothed bands are used for cutting hardwood, while coarse-toothed bands are needed for softwood

The tooth spacing (1) is an important factor when selecting a blade. The smaller the tooth spacing, the more difficult it is to remove wood dust, and the blade will overheat and may break.



For softwood, the spacing between the teeth should be no more than twice the thickness of the blade. For hardwood, the spacing between the teeth should be no more than 1.5 times the thickness of the blade.

Never use bands that are twisted, broken, bent, or have poor-quality welds. Replace dull bands or have them sharpened by a professional.

For this machine, use only bands with the following dimensions: 3597 x 6 – 25.4 mm.

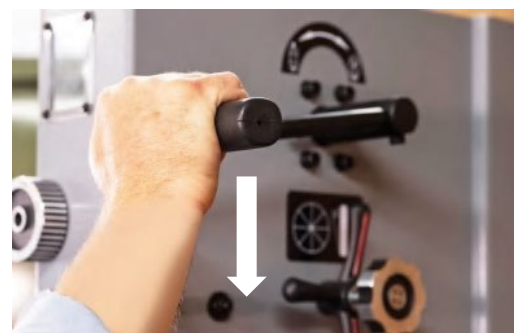


For all the steps described below, it is recommended that you remove the table to allow for easier access so that you can make all adjustments correctly.

6.2 RIBBON TENSION AND RIBBON CHANGE

Replacing the ribbon:

- Make sure the guide rollers are clear of the blade.
- Lower the quick-release lever to release the ribbon.
- Open the top and bottom covers
- Remove the table insert, the table alignment pin, and the wooden plate



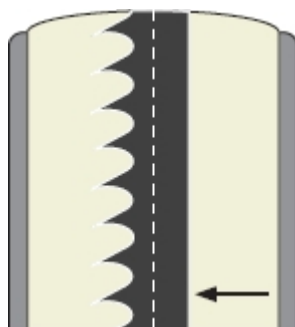
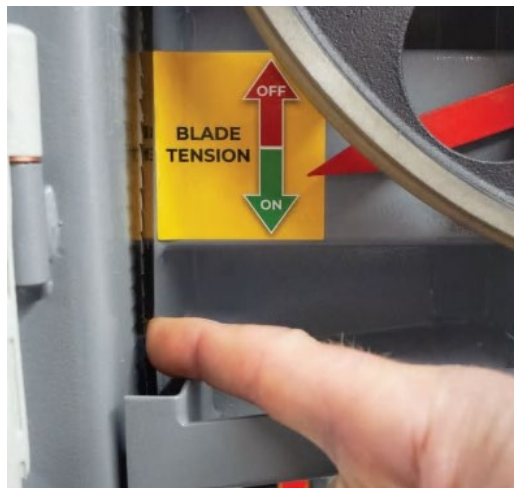
- Pull the ribbon out of the pulleys and feed it through the groove



- Place a new ribbon on the wheels, positioning it in the center of the pulleys
- Tighten the handle (1)
- Lift the quick-release lever to retighten the belt

Tape tension:

- Turn the tape tension knob clockwise while turning the upper handwheel by hand
- The best place to check the belt tension is on the left side of the machine, under the upper pulley
- Apply light tension to the ribbon; it should not move more than 1 cm
- Close the top and bottom covers



It is recommended to check the tension regularly when installing a new ribbon. The ribbon may loosen during the first few uses. If the machine will be idle for an extended period, lower the quick-release lever to release the tension. This helps preserve the rubber on the handwheels and the bearings.

6.3 FLYWHEEL ALIGNMENT



Never adjust the belt alignment on the pulleys while the machine is running.

The ribbon must be positioned in the center of the rollers. If, during operation, it drifts toward the front or back of the rollers, you must adjust the roller alignment.

- Check that the ribbon is properly tensioned
- Check that the guide rollers are clear of the ribbon
- Open the upper and lower covers
- Loosen the locking handle (1) on the handwheel adjustment knob (2)
- Turn the upper pulley by hand
- If the ribbon drifts toward the front of the wheel, turn the knob clockwise. This will tilt the upper wheel backward.
- If the ribbon drifts toward the back of the wheel, turn the knob counterclockwise. This will tilt the wheel forward.
- When the ribbon remains centered on the rollers, tighten the locking handle (1)
- Turn on the machine and let it run idle for a few minutes to ensure that the ribbon remains centered on the rollers



This adjustment is delicate; always proceed in small increments and allow the ribbon time to adjust to the changes.

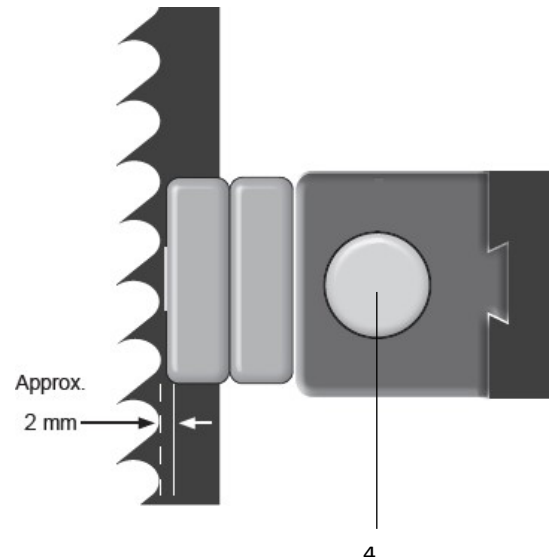
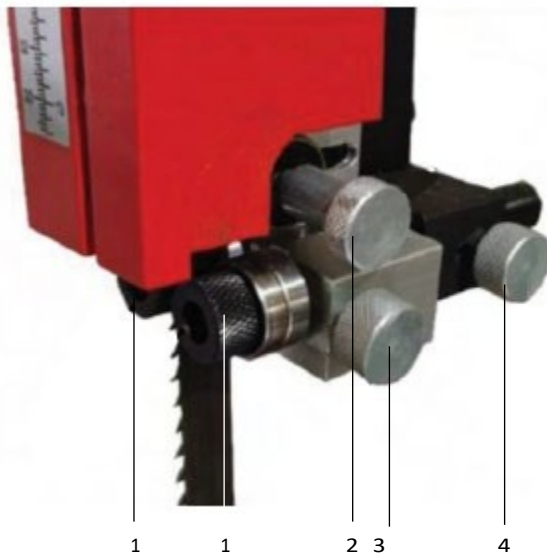
6.4 ADJUSTING THE GUIDE ROLLERS



The upper and lower rollers should be adjusted using exactly the same method. If the table was not removed for the previous steps, it is strongly recommended that you remove it to adjust the lower guide rollers and the lower ribbon guide.



For all subsequent adjustments, the ribbon must be properly tensioned and aligned with the handwheels

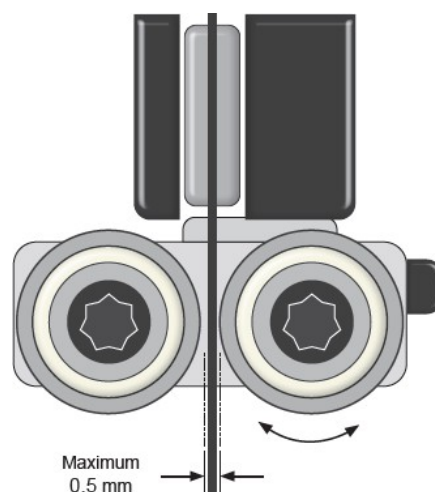


Adjusting the depth of the rollers:

- Loosen the screw (4)
- Move the guide assembly until the bearings are 2 mm from the bottom of the teeth
- Tighten the screw (4)

Lateral adjustment of the rollers:

- Loosen the screws (2) (one on each side of the ribbon guide assembly)
- Turn the adjustment knobs (1) to adjust the bearings: the bearings are mounted on eccentric shafts. Turn the adjustment knobs until the bearings are almost touching the ribbon. There should be a maximum of 0.5 mm between the edge of the bearings and the ribbon
- Tighten the screws (2)

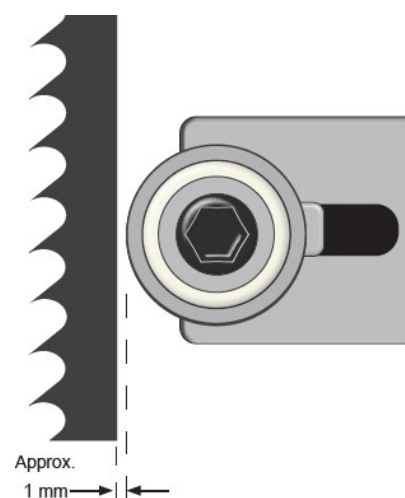


Adjusting the upper roller:

- Loosen the screw (2)
- Position the bearing approximately 1 mm from the back of the ribbon
- Tighten the screw (2)

To check that the bearing is properly positioned:

- Turn the handwheel by hand. The bearing must not come into contact with the belt. If the bearing rotates with the belt, move it further away
- Apply light pressure to the ribbon by hand and turn the handwheel. The bearing should rotate when it comes into contact with the ribbon. If the bearing does not rotate when pressure is applied to the ribbon, move it closer



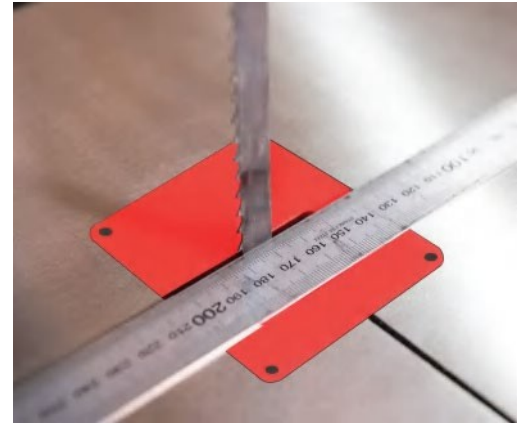
Make sure all screws on the ribbon guide assembly are tightened securely before restarting the machine. Be sure to properly reinstall the table on the machine (section 5.4) if it had been removed. Tighten the screws only by hand to facilitate future operations.

6.5 TABLETOP ALIGNMENT

- Place the table insert into the table: the ribbon must pass through the center of the table insert's opening
- If the ribbon is not properly aligned in the opening, move the table slightly to the right or left using a mallet (the table screws should be tightened by hand)

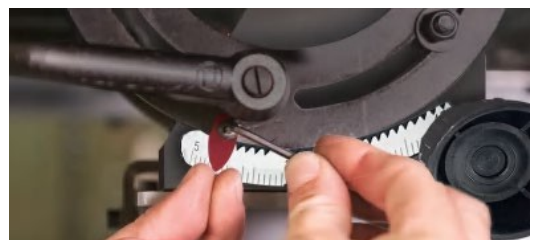
Aligning the table and the belt:

- Place a ruler or a long, straight object along the belt
- Measure the distance between the ruler placed along the tape and the table groove, as shown below
- Take this measurement at each end of the table and compare the values
- If the table is not parallel to the tape, slightly adjust the table's position using a mallet
- Once parallelism is achieved, tighten the table screws



Perpendicularity of the table and the tape:

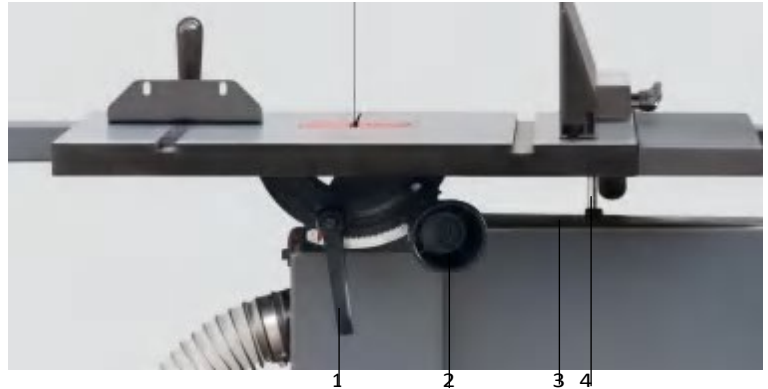
- Turn the handle (1) to release the table
- Position the table so it rests against the stop screw (2)
- Place a square on the table against the belt to check for perpendicularity
- If adjustment is necessary, position the table so that you can access the stop screw nut
- Tighten or loosen the stop screw (2) to tilt the table to one side or the other
- Tighten the stop screw nut
- Place the table back against the stop and check the perpendicularity
- If further adjustment is necessary, repeat the above
- Once the perpendicularity is correct, adjust the angle pointer



6.6 ADJUSTING THE TABLE ANGLE

To adjust the table's tilt angle to the right (as viewed from the front):

- Loosen the handle (1)
- Turn the knob (2) clockwise
- Position the table at the desired angle by lifting it by hand (max 45°)
- Tighten the handle (1)



To adjust the table's tilt angle to the left (as viewed from the front):

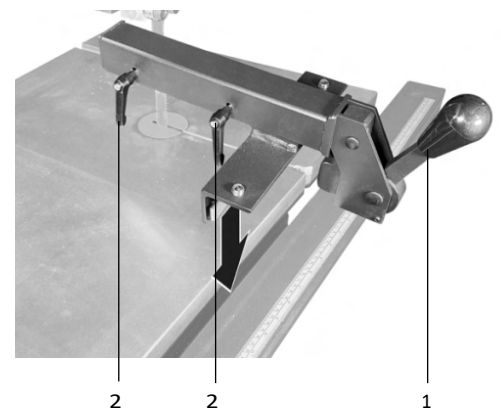
- Loosen the handle (1)
- Turn the knob (2) clockwise to reduce the pressure on the 90° locking screw (3)
- Release the plate (4) by rotating it
- Turn the knob (2) counterclockwise
- Position the table at the desired angle by lifting it by hand (max 15°)
- Tighten the handle (1)

The hole now in the frame allows the locking screw (4) to be threaded through the table so that the 90° setting is not lost.

6.7 INSTALLATION AND ADJUSTMENTS OF THE ADJUSTABLE GUIDE

Installation:

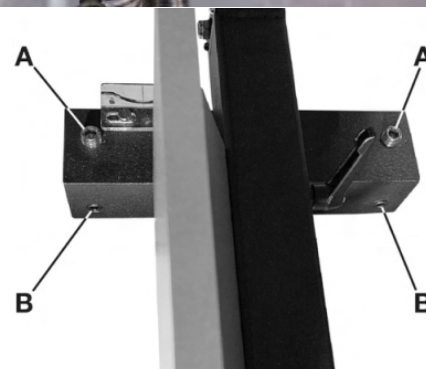
- Place the ruler under the table and secure it using the 3 screws provided
- Place the guide bracket on the ruler and secure it using the handle (1)
- Loosen the two handles (2)
- Slide the adjustable guide onto the guide bracket
- Tighten the handles (2)



Guide alignment:

Once the guide is in place, check that it is perfectly parallel to the blade to ensure straight cuts.

- Loosen the locking handle (1)
- Move the guide to the miter guide slot
- If the adjustable guide is perfectly aligned with the groove, no adjustment is necessary
- If there is a misalignment, as shown in the photo opposite, adjust the angle of the adjustable guide by turning the screws (B)
- Repeat the process until the guide is parallel to the blade



Perpendicularity of the guide:

- Place a square on the table and against the adjustable guide to check for perpendicularity
- If the guide is not perpendicular to the table, adjust the screws (A) to change the angle
- Repeat the process until the guide is perpendicular to the table

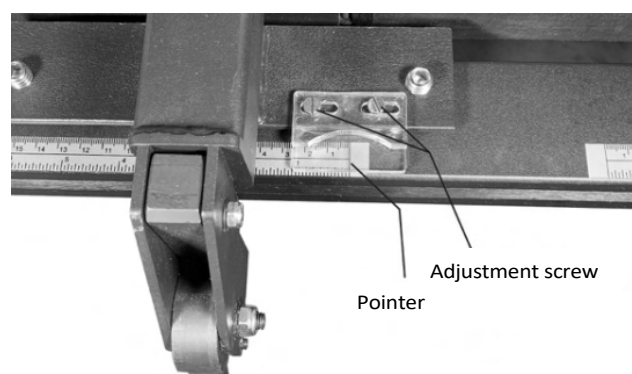
You can check the perpendicularity by placing the guide against the tape (without moving it) and seeing if the guide is in contact with the tape along its entire height.



The tape must be perfectly aligned with the table as explained in section 6.5 before performing these steps

Aligning the pointer:

- Loosen the handle (1)
- Move the adjustable guide until it touches the tape (without moving it)
- If the pointer reads 0 on the ruler, no adjustment is necessary
- If the pointer is off from 0, loosen the 2 adjustment screws
- Move the pointer so that it points to 0
- Tighten the two adjustment screws



6.8 MITER GAUGE INSTALLATION AND ADJUSTMENTS

- Slide the miter guide into the right-hand groove on the table
- Move the adjustable guide closer
- Place a square between the miter guide and the adjustable guide to check for perpendicularity
- If adjustment is necessary, loosen the 2 screws (1) and rotate the miter guide until the correct setting is achieved
- Tighten the two screws (1)



7 UTILISATION

Before beginning work on the machine:

- Before performing any operation on the machine, make sure it is complete and in good condition
- Make sure there is enough space around the machine to move freely
- Check that the rubber on the upper and lower flywheels is securely fastened
- Use a support for long parts that extend beyond the table
- Always use a dust extractor during machining operations
- For round parts, use a suitable fixture to secure the part to the table
- Check that the band is in good condition and that no teeth are damaged
- Replace any damaged parts before using the machine
- Be aware of the risk of parts being ejected

During operation:

- Always wear: safety shoes, hearing protection, and tight-fitting clothing
- Wear safety goggles. Never wear gloves
- Never touch the belt until it has come to a complete stop
- Machine only one part at a time
- Do not force the belt to stop by trying to slow it down by hand or with an object
- Always ensure that a dust extraction system is connected to the machine and is operating during machining

7.1 STARTING AND STOPPING THE MACHINE



Before starting the machine, make sure the table is clear and that the belt is not obstructed

The machine is equipped with a power-off brake that stops the flywheels from rotating when the machine is not powered on.

To start the machine:

- Set the knob (1) to the "On" position. Press the power switch (3).

To turn off the machine:

- Press the stop switch (2)

To release the ribbon and allow it to be rotated by hand, set the knob (1) to the "Blade Change" position



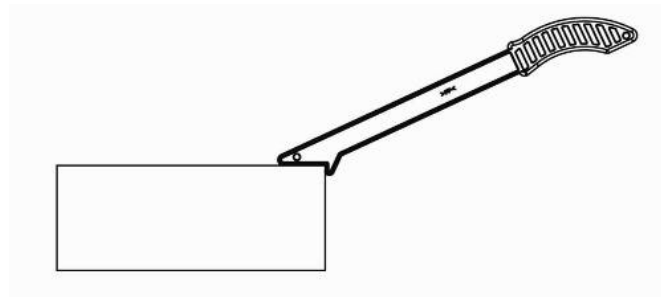
Caution: If the switch is left in the "Blade Change" position and the machine is powered on, the no-load brake will be activated, causing the motor to overheat. It is essential to set the knob (1) to the "On" position or unplug the machine when it is not in use.



When the machine is stopped, it is essential to release the tension on the belt using the quick-release handle and to place a sign on the machine indicating that it must not be used.

7.2 PUSH STICK

The push stick is used to push workpieces and protects the hands from contact with the belt. The push stick must be used if the distance between the adjustable guide and the blade is less than 150 mm. When the push stick is not in use, it can be stored on the hook provided for this purpose.



7.3 CUTTING



Never wear gloves while operating the machine.

- Adjust the band saw guide to approximately 20 mm from the workpiece
- Position the adjustable guide to the desired cutting width
- Place the workpiece on the table
- Connect the dust collector hose to the machine
- Turn on the machine
- Start the machine
- Make the cut in a single pass
- Turn off the machine if no further cuts are needed



**Be careful of workpiece kickback during machining.
Never attempt to remove the workpiece until the blade has come to a complete stop.**

Slitting:

Slitting involves cutting the wood to reduce its thickness or to produce boards that are thinner than the original wood. The ideal blade for this operation is the widest blade the machine can accommodate. A fairly coarse tooth pattern is recommended. This operation is always performed using the adjustable guide and a push stick to keep your hands as far away from the band as possible.



Cross-cutting:

Cross-cutting involves cutting the wood across the grain, usually using the miter gauge to guide the wood toward the blade. The right hand should hold the workpiece against the miter gauge, while the left hand pushes the miter gauge. Crosscuts can also be made freehand, but you'll get better results by using a guide.



Cutting Curves

Cutting curves is done without using guides and usually without a push stick as well. Therefore, be sure to keep your hands as far away from the blade as possible.

For this operation, it is essential to use very fine bands with a high number of teeth (see section 6.1).

If the curve to be cut is too tight or the piece of wood is too small, it is recommended to make the cut using a scroll saw.



8 MAINTENANCE



Disconnect the power supply before performing any maintenance or servicing. Wear gloves and safety goggles

To maintain the efficiency of the machine and its components, it is necessary to perform maintenance on it.

The most important maintenance tasks are listed below.

Failure to perform the prescribed tasks will result in premature wear and reduce the machine's performance.

Before performing any maintenance, it is essential to disconnect the machine from the power supply to prevent accidental startup.



8.1 MAINTENANCE SCHEDULE

Interval	Component	To Do
Daily	Machine	Check overall condition
		Clean and remove chips
	Belt	Check the condition and wear of the teeth
Every month	Drive belt	Check tension and condition
	Flywheels	Check the condition and wear of the rubber
	Latch-type push button	Check for proper operation
Twice a year	Safety equipment	Check that the microswitches switches

8.2 LIST OF DEFECTS

Defects	Solutions
The machine won't start	The power switch is in the "OFF" position
	Make sure the top and bottom covers are securely closed
Squeaking noises when starting	Tighten the drive belt
The ribbon is slipping out of the guides	Position the ribbon correctly and adjust the guide rollers
The cut is not straight	Check the condition of the blade and replace it if the teeth are damaged
	Check that the adjustable guide is parallel
	Check that the guide rollers are properly adjusted
The base of the band's teeth is damaged	The band is overheating or the wrong band was selected for the operation
	The tape is too wide for the steering wheels
	The rubber on the steering wheels is damaged or dirty
	The pulleys are not aligned
The ribbon is getting stuck in the part or moving excessively	Check and adjust the guide rollers
	Check the quality of the tape weld and replace the tape if is not good
	The blade is not sharp enough and must be replaced
The machine vibrates excessively	Check that the floor is level
	Tighten all screws
	Replace the blade
	Check the condition and tension of the drive belt and replace or retension it if necessary



It is not necessary to lubricate the moving parts of the machine because dust and chips would accumulate on the grease, which would impair its lubricating properties.

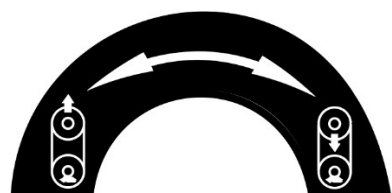
8.3 DESCRIPTION OF THE PICTOGRAMS USED ON THE MACHINE

A. Direction of Rotation



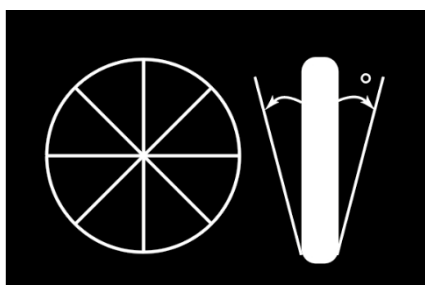
This arrow indicates the direction of rotation of the belt

B. Quick-release lever



Lever for quickly releasing tension on the ribbon: move to the left to tighten and to the right to loosen the ribbon

C. Adjusting the angle of the handwheels



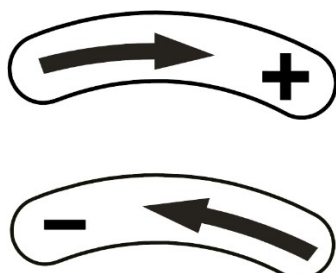
Turn clockwise to tilt the upper handwheel to the left and counterclockwise to tilt it to the right

D. Lock/Unlock Knob



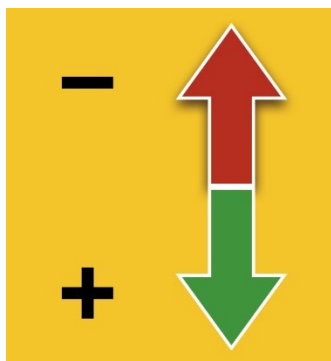
Turn to the left to lock and to the right to unlock

E. Up/Down Knob



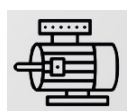
Turn to the right to raise and to the left to lower

F. Tape Tension Sticker



This sticker allows you to quickly see whether the ribbon is taut or loose using the quick-release lever. If the indicator is pointing down, the ribbon is taut. If the indicator is pointing up, the ribbon is loose

G. Nameplate



: Motor specifications: power, voltage, frequency, amperage



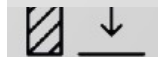
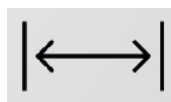
: Machine weight



:

Belt speed

: Maximum cutting width



: Maximum cutting height

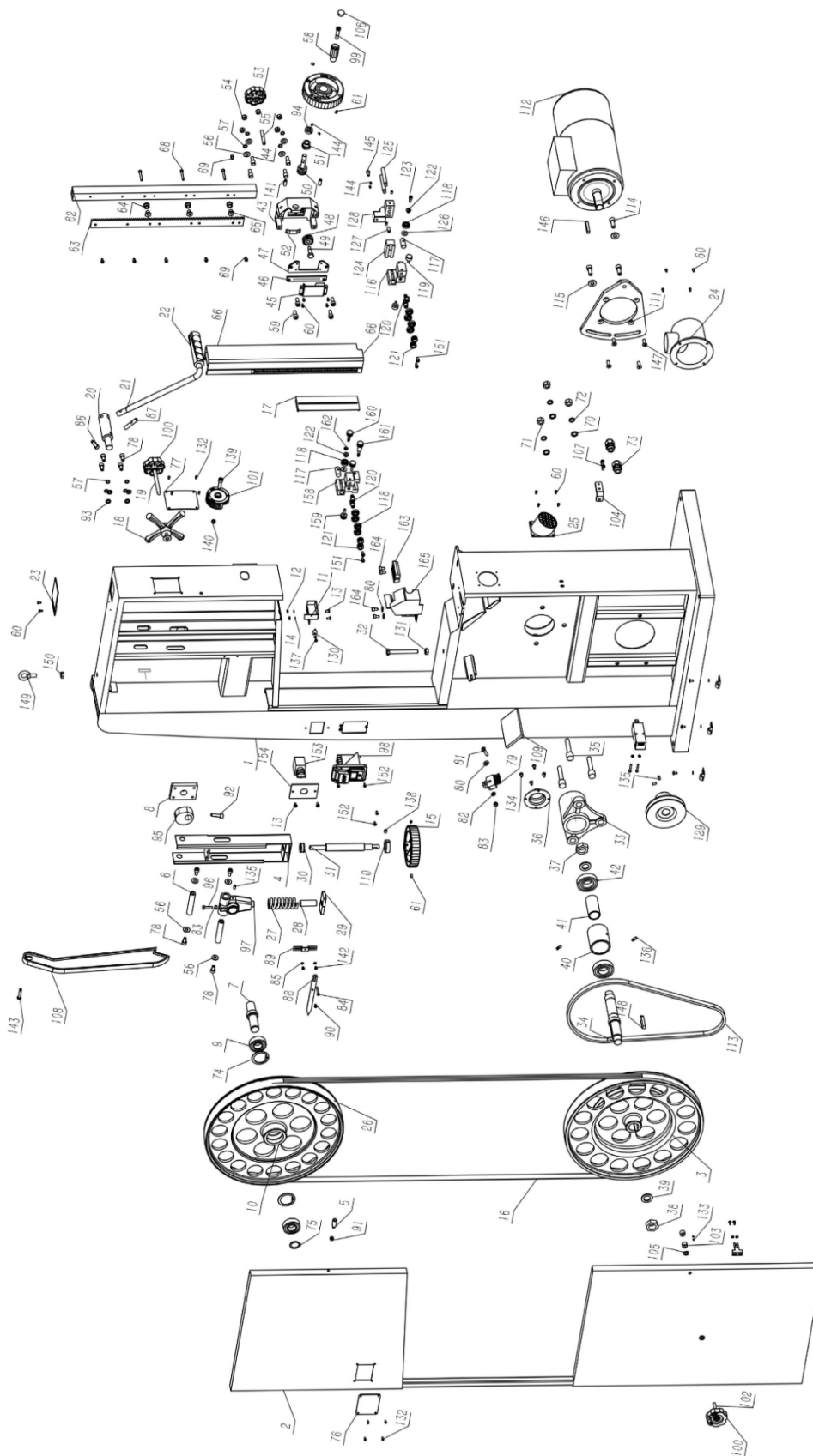


: Machine protection rating

H. Maintenance



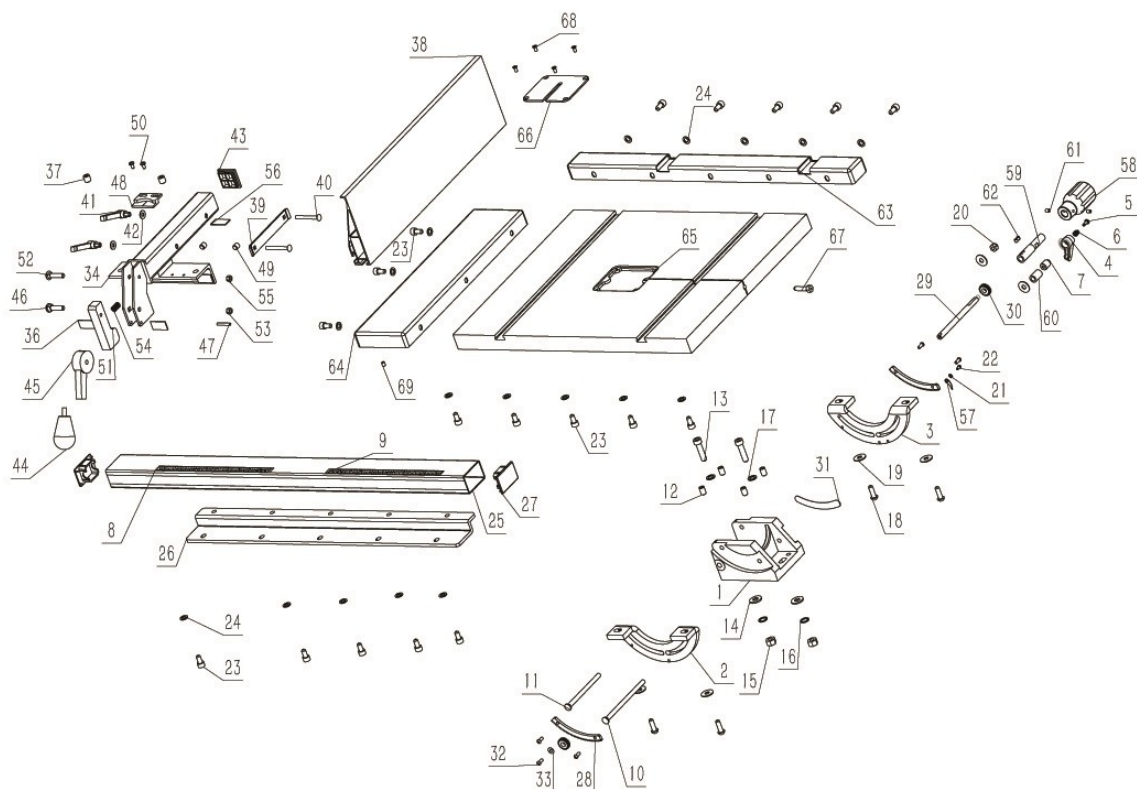
: Instructions to Follow During Maintenance



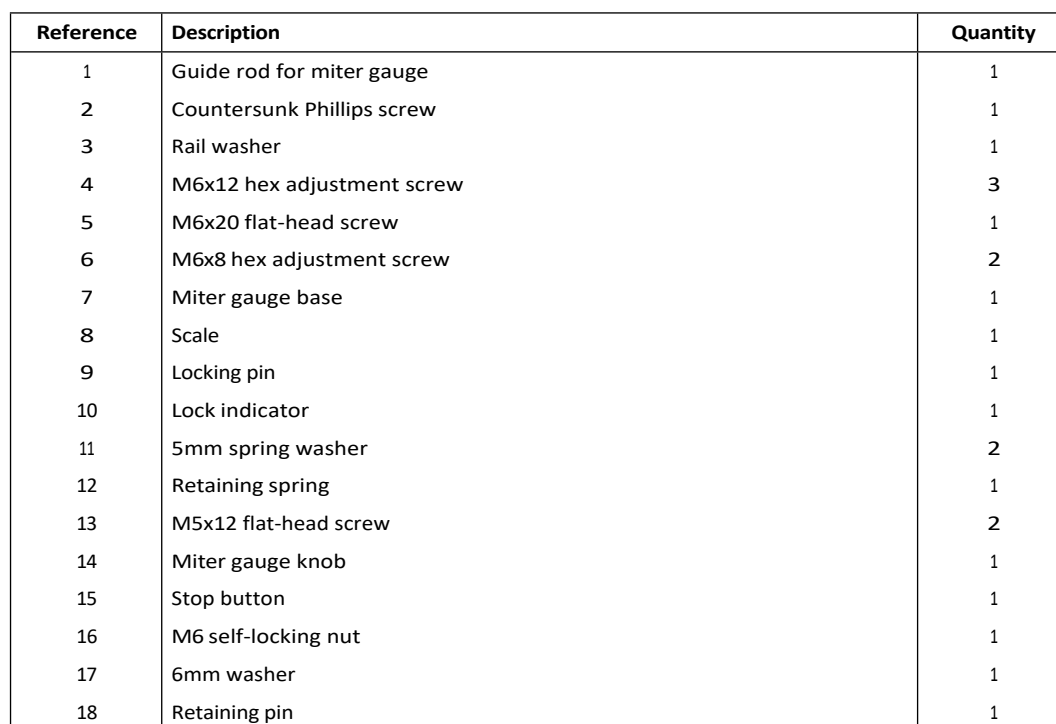
Reference	Description	Quantity
1	Chassis	1
2	Door	1
3	Lower wheel	1
4	U-shaped bracket	1
5	Shaft	1
6	Upper shaft	2
7	Upper wheel shaft	1
8	Eccentric base	1
9	Bearing	2
10	Upper wheel	1
11	Protective plate	1
12	Hex nut	2
13	Cylinder-head screw	7
14	Flat washer	5
15	Handle wheel	2
16	Saw blade	1
17	Active guard plate	1
18	Handle	1
19	Locking handle (include #146)	1
20	Shaft	1
21	Tension handle	1
22	Handle	1
23	Protective plate	1
24	Gasket	1
25	Dust duct	1
26	Pneumatic	2
27	Spring	1
28	Sleeve	1
29	Tip holder	1
30	Bearing	1
31	Blade tension shaft	1
32	Flat-head screw with a hex socket	1
33	Lower wheel bracket	1
34	Lower wheel shaft	1
35	Bolt	3
36	Cover	1
37	Hex nut	1
38	Hex nut with nylon lock	1
39	Flat washer	2
40	Large spacer sleeve	1
41	Small spacer sleeve	1
42	Bearing	2
43	Upper guide bracket	1
44	Double-headed bolt	4
45	Gearbox cover	1
46	Description	QTY
47	Lid A	1
48	Lid	1
49	Gear	1
50	Gear shaft	1
51	Worm gear	1
52	Threaded tube	1
53	Upper guide insert	1
54	Scroll wheel	1
55	Hex nut	5
56	Hex socket set screw	1
57	Flat washer	8
58	Spring washer	8
59	Handle	1
60	Cylinder-head screw	4
61	Knob-head screw	14
62	Hex socket set screw	6
63	Upper guide square tube	1

64	Upper guide rack	1
65	Washer A	3
66	Washer B	3
67	Blade guard	1
68	Cutting height scale	1
69	Cylinder-head screw	3
70	Cylinder-head screw	6
71	Flat washer	3
72	Hex nut	3
73	Spring washer	3
74	Key	2
75	Circlip	2
76	Circlip	1
77	Check tee	1
78	Test tee	1
79	Pan-head screw	8
80	Brush	1
81	Flat washer	3
82	Cylinder-head screw	1
83	Flat washer	1
84	Hex nut	2
85	Cylinder-head screw	3
86	Flat washer	7
87	Flat-head screw with hex socket	1
88	CPP hex socket set screw	1
89	Tension gauge	1
90	Voltage rating plate	1
91	Hex nut with nylon lock	1
92	Cylinder-head screw	1
93	Flat washer	4
94	Clamp	1
95	Eccentric shaft	1
96	Thimble	1
97	Upper wheel axle mount	1
98	ON/OFF switch	1
99	Screw	1
100	Knob	2
101	Door lock knob	1
102	Hex socket set screw	1
103	Sleeve	2
104	Nut plate	1
105	Flat washer	2
106	Plug	1
107	Flat-head screw with hex socket	2
108	Push rod	1
109	Wooden insert	1
110	Screw locking collar	1
111	Motor plate	1
112	Motor	1
113	V-belt with notches	1
114	Cylinder-head screw	3
115	Flat washer	4
116	Upper Guide Base	1
117	Bearing nut	2
118	Bearing	10
119	Locking knob	2
120	Eccentric shaft	4
121	Bearing sleeve	4
122	Sleeve	2
123	Flat-head screw with hex socket	1
124	Upper guide rail	1
125	Upper guide pin	2
126	Flat washer	2
127	Hex socket set screw	1

128	Upper guide bracket	1
129	Motor pulley	1
130	Tension indicator	1
131	Hex nut	1
132	Rivet	8
133	Hex socket set screw	2
134	Cylinder-head screw	4
135	Hex socket set screws	3
136	Cylindrical spring pin	2
137	Cylinder-head screw	1
138	Hex socket set screw	1
139	Flat-head hex socket screw	1
140	Hex nut with nylon lock	1
141	Screw	2
142	Cylinder-head screw	2
143	Thrust screw	1
144	Hex socket thrust screw	4
145	Flat-head hex socket screw	1
146	Key 8x45	1
147	Flat-head screw with hex socket	4
148	10x40 Wedge	1
149	Lifting ring	1
150	Hex nut	1
151	Cylinder-head screw	4
152	Cylinder-head screw	6
153	ON/OFF switch	1
154	Switch plate	1
155	Microswitch key	1
156	Limit switch	1
157	Cable clip	3
158	Lower guide base	1
159	Knurled locking knob B	2
160	Knurled locking knob C	1
161	Knurled locking knob E	1
162	Spring washer	1
163	Lower guide rail	1
164	Pan-head screw	4
165	Lower blade guard	1

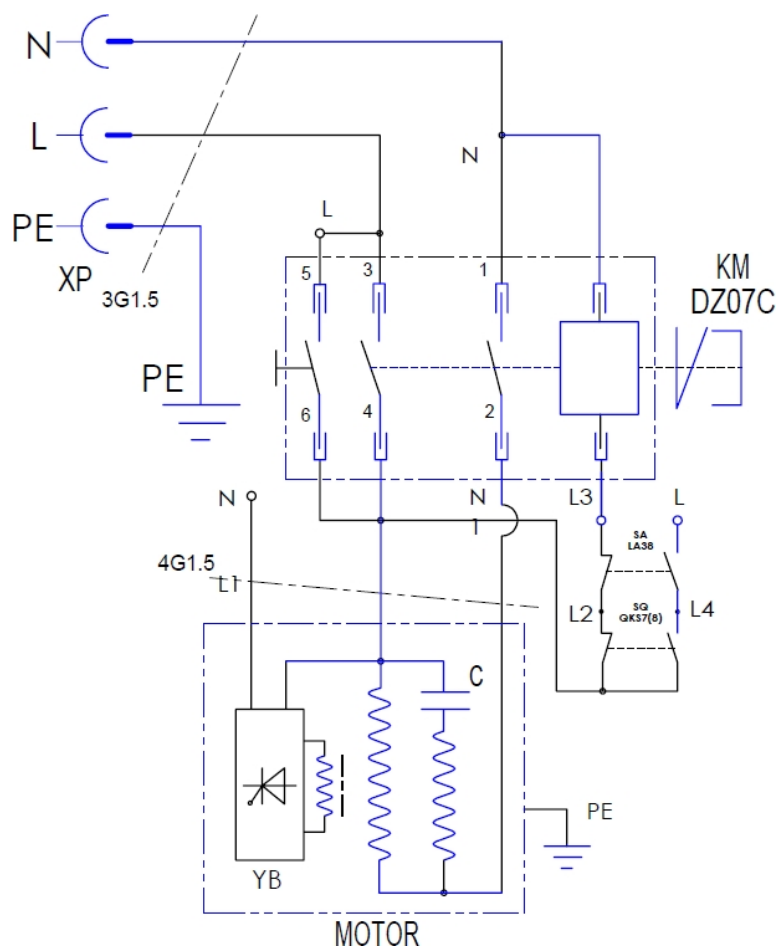


Part number	Description	Quantity	Part Number	Description	Quantity
1	Lower table pivot	1	37	Cylindrical adjustment screw	2
2	Upper table pivot A	1	38	Guide	1
3	Top Table Pivot A	1	39	Locking bar	1
4	Locking handle	1	40	Square-head bolt	2
5	Screw	1	41	Adjustable handle	2
6	Spring	1	42	Flat washer	2
7	Gear	1	43	Cap for guide base	1
8	Scale A	1	44	Button	1
9	Scale B	1	45	Eccentric wheel	1
10	Square-head bolt	1	46	Square-head bolt	1
11	Square-head bolt	1	47	Pin	1
12	Cylindrical adjustment screw	4	48	Tension indicator	1
13	Pan-head screw	2	49	Cylindrical button-head screw	2
14	Flat washer	2	50	Cylinder-head screw	2
15	Hex nut	2	51	Locking plate	1
16	Spring washer	2	52	Square-head bolt	1
17	Flat washer	2	53	Nylon hex nut	1
18	Cylinder-head screw	4	54	Spring	1
19	Flat washer	6	55	Nylon hex nut	1
20	Nylon hex nut	1	56	Washer	1
21	Flat washer	1	57	Indicator	1
22	Cylindrical-head screw	1	58	Handle	1
23	Pan-head screw	18	59	Shaft	1
24	Flat washer	18	60	Sleeve	1
25	Guide rail profile	1	61	Cylindrical adjustment screw	2
26	Guide rail base	1	62	Cylindrical adjustment screw	2
27	Cap for guide rail	2	63	EXT Table	1
28	Rack	2	64	EXT Table	1
29	Gear shaft	1	65	Table	1
30	Gear	2	66	Table insert	1
31	Scale	1	67	Pin	1
32	Cylindrical button-head screw	5	68	Countersunk-head screw	4
33	Flat washer	1	69	Cylindrical set screw	1
34	Guide base	1			
36	Friction plate	2			



10 SCHÉMA ÉLECTRIQUE

PSR430 WIRING DIAGRAM



XP: Outlet
 KM: Switch
 SQ: Safety switch YB: Rectifier
 SA LA 38: Brake release switch

11 NIVEAU SONORE

The noise level emitted by this machine during operation depends on the type of material being ground and the type of grinding wheel. For this reason, the measurement data are relative.

The risk of hearing damage to the operator depends on the duration of exposure to noise.

The operator must wear ear protection or other appropriate personal protective equipment when the sound power level exceeds 85 dB(A) at the workplace.

- Sound power level:
L_{WA} = 76 dB(A)

The acoustic power calculation was performed taking into account factors such as: reverberation in the test area, noise absorption by the floor, and other factors that may interfere with the measurements. Based on this estimate, the margin of error for the obtained values is approximately 3 dB(A).

The values provided are emission levels and do not necessarily represent levels that allow for safe working conditions. Although there are correlations between emission levels and exposure levels, these cannot be reliably used to determine whether additional precautions are necessary. Factors influencing actual exposure levels include workshop characteristics, other noise sources, etc., such as the number of machines and nearby manufacturing processes. Furthermore, permissible exposure limits may vary from country to country. However, this information enables the machine operator to better assess the risks.



12 NIVEAU VIBRATIONS

The vibration data transmitted by this machine during operation will depend on the type of material being ground and the type of grinding wheel. For this reason, the measurement data are relative.

Exposure to vibrations can have serious consequences for a worker's health. A person exposed daily to high-amplitude vibrations may develop neurological and joint disorders over the long term. These values must be taken into account when assessing the level of exposure.

Regular and frequent exposure to a highly vibrating power tool exposes workers' hands and arms to chronic disorders known as "vibration syndrome."

- Average hand/arm vibration level:
A(8) < 2.5 m/s²

The assessment of the exposure level is based on the calculation of the daily exposure value A(8), normalized to an 8-hour reference period.

Whenever an employee is exposed to A(8) vibrations exceeding the daily exposure action level of 2.5 m/s², the employer must assess the risks associated with the employee's assigned task and implement control measures.

Exposure values for vibrations transmitted to the hand-arm system:

- Daily exposure limit value A(8) = 5 m/s²
- Daily action-triggering exposure value A(8) = 2.5 m/s²

13 PROTECTION DE L'ENVIRONNEMENT

Your machine contains many recyclable materials.

This logo indicates that used machines must not be mixed with other waste.

This ensures that machines are recycled under optimal conditions, in accordance with the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE).

Contact your local city hall or your dealer to find out where the nearest collection points for used machines are located near your home.

Thank you for your cooperation in protecting the environment.



14 GARANTIE

If the machine is covered under warranty, repairs must be performed exclusively by an authorized service center. The machine's warranty is valid for 2 years from the date of purchase by the user.

This product comes with a 2-year extended warranty, provided that the user registers the product on the PEUGEOT OUTILS PROFESSIONNELS website (www.peugeot.outils-pro.com) within 30 days of the purchase date. This extended warranty is subject to the same terms and conditions as the original warranty.

Accessories and consumables are not covered by the warranty.

It is important to keep the receipt, which serves as the warranty certificate.

The warranty is limited to the free repair or replacement of defective parts, following an assessment by the manufacturer.

For any requests for information or replacement parts related to the machine, you must provide the exact information listed on the nameplate.

The warranty does not cover damage caused by the user or by a repair technician not authorized by Tivoly.

Link to the General Warranty Terms and Conditions:



CE “ORIGINAL” DECLARATION OF CONFORMITY

The undersigned (Manufacturer/Importer):

TIVOLY

266 ROUTE PORTES DE TARENTEISE 73790 TOURS-EN-SAVOIE

Hereby declares that the following new machine:

- Description: **BAND SAW**
- Brand: **PEUGEOT PROFESSIONAL TOOLS**
- Model: **PSR430**
- Part Number: **PPM00700002**
- Serial No.:

Complies with applicable harmonized legislation:

- **Machinery Directive 2006/42/EC (until January 19, 2027)**
- **EU Regulation 2023/1230 (effective January 20, 2027)**
- **EN ISO 19085-1 Safety Standard for Woodworking Machinery**
- **EN ISO 19085-16 Safety Standard for Table Sawing Machines**

Complies with the applicable essential safety requirements:

- **Low Voltage Directive 2014/35/EU**
- **Electromagnetic Compatibility Directive 2014/30/EU**
- **WEEE Directive 2012/19/EU**
- **RoHS-2 Directive 2011/65/EU**
- **REACH Regulation 1907/2006**
- **Noise Directive 2003/10/EC**
- **Vibration Directive 2002/44/EC**

This product is covered by an EC type-examination certificate in accordance with the Machinery Directive 2006/42/EC, issued by the notified body TÜV Rheinland (No. 0197).

The EC type-examination certificate bears the number CN220E0S001.

Dated in TOURS-EN-SAVOIE
The

Stéphane Le Mounier, Chief
Executive Officer



Person authorized to compile the technical file:

- Mr. LE MOUNIER – TIVOLY – 266 ROUTE PORTES DE TARENTEISE 73790 TOURS-EN-SAVOIE

	TIVOLY: Corporate Headquarters: 266 ROUTE PORTES DE TARENTEISE 73790 TOURS-EN-SAVOIE www.peugeot-outils-pro.com	CUSTOMER SERVICE Phone: +33(0)4 79 89 59 00
	In its ongoing effort to improve the quality of its products, TIVOLY reserves the right to modify their specifications. The information, photos, exploded views, and diagrams contained in this document are not binding.	June 2026 Edition PSR430 Manual