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PLANER PRD310HC JOINTER

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 use of 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 location that is easily accessible at all times for future reference. Ensure that all personnel involved in the operation of this machine review 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



Respiratory protection must be worn



Read the instruction manual carefully



Danger: Sharp edge



Danger: risk of entanglement



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



Potential damage to the machine or its surroundings



Wear protective gloves when changing tools or cleaning



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 walk away from the machine while it is running. Always disconnect the power supply. Do not walk away from the machine until it has come to a complete stop.



Do not overload the tool; it will perform better and be safer when operated 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 electrical 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 service provider 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 pose a hazard.

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 people, 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 damaged inserts immediately. The workpiece may ricochet off a damaged insert.
- When working on long workpieces, 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.
- When machining a workpiece in planing mode, it may become jammed in the rotating shaft and be propelled toward the operator if the anti-reverse device is not in perfect working order. Always use cutting inserts that are sharp and in perfect condition. Always check that the workpiece does not contain any foreign objects (screws, nails, knots, etc.).
- Never place your hands on the cutting shaft. Always use the bridge-type guard. Turn off the machine and unplug it when not in use.
- Make sure that no part of your body or clothing can get caught in the cutting shaft (do not wear a tie or long-sleeved clothing). Tie back long hair.
- Wear gloves during any maintenance or cleaning of the cutting shaft.
- Dust and wood chips are hazardous to your health and must never be inhaled. To prevent this, use a suitable chip vacuum:
 - Match the vacuum cleaner hose to the diameter of the machine's intake 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 goggles.
- 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 with wide sleeves.
- Bracelets, watches, wedding rings, and jewelry.
- Any other object that could get caught in the machine's moving parts.



4 DESCRIPTIF ET FONCTIONNEMENT

4.1 INTENDED USE OF THE MACHINE

The PRD310HC is a machine designed for planing and surfacing 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 listed above, 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

- Ground cast-iron tables
- Helical shaft with carbide inserts that significantly reduces noise and ensures optimal surface finish
- Very long tool life thanks to reversible carbide inserts
- Switch from planing mode to jointing mode in just a few seconds: the table lifts in one motion without removing the tilting guide
- Automatic thermal protection built into the motor
- Sturdy up/down handwheel with lock and depth gauge
- Feed block and push stick
- Integrated, fold-down chip extraction hood – Ø100mm
- Tilting guide from 90° to 45°
- An optional transport kit allows for quick and easy movement of the machine

	Max. cutting width (mm)	Max. cutting depth (mm)		Cutting tool	Power supply	Power (kW)	Weight (kg)	Dimensions (W x D x H) (mm)
PR310HC	310	Planer: 3	Planer: 3	Helical shaft, Ø70 mm, with 34 inserts carbide	230V – single-phase	2.2	231	1410 x 1050 x 960

4.3 MACHINE DESCRIPTION



5 INSTALLATION

5.1 PACKAGING

The machine is packaged on a pallet inside 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.

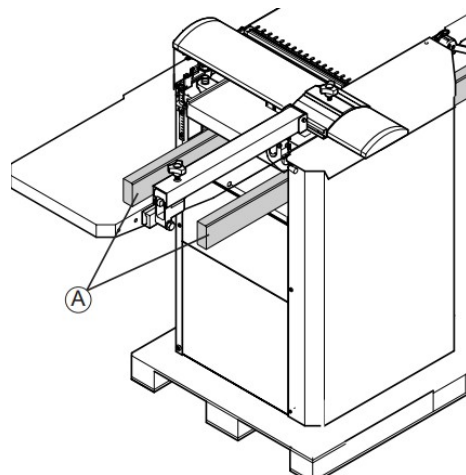
5.2 HANDLING AND TRANSPORT

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 planer's frame (A).



Never lift the machine by the infeed or outfeed tables. These are not designed to support the machine's weight.



5.3 SETTING UP THE MACHINE



Installation Environment:

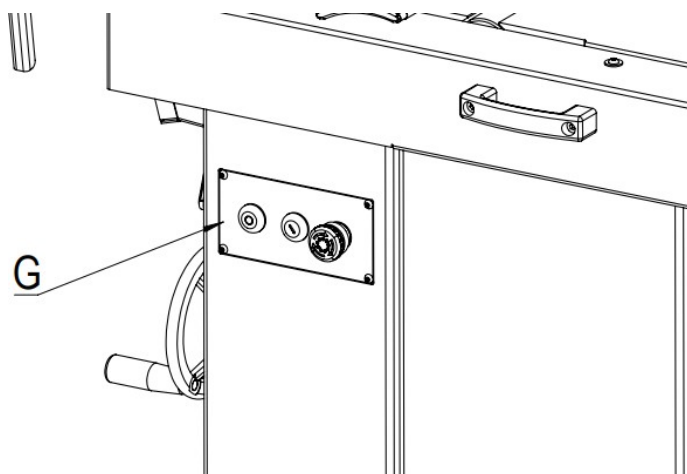
- Power supply Electrical compliant the machine's specifications (230 V single-phase).
- Ambient temperature between +5°C and +40°C.
- Relative humidity not exceeding 90%.
- Adequate ventilation at the installation site.
- The work area must be sufficiently lit to ensure safety: lighting must be 500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

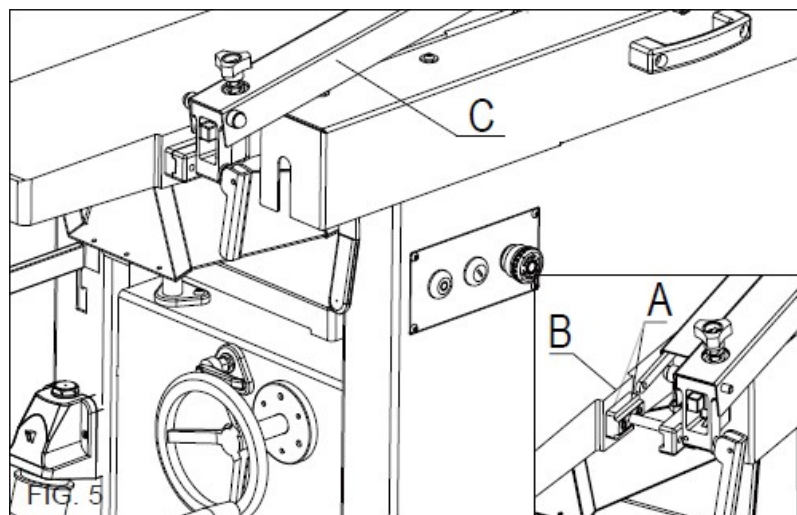
Switch installation:

Mount the switch (G) to the bracket using 4 H-M4x8 screws.



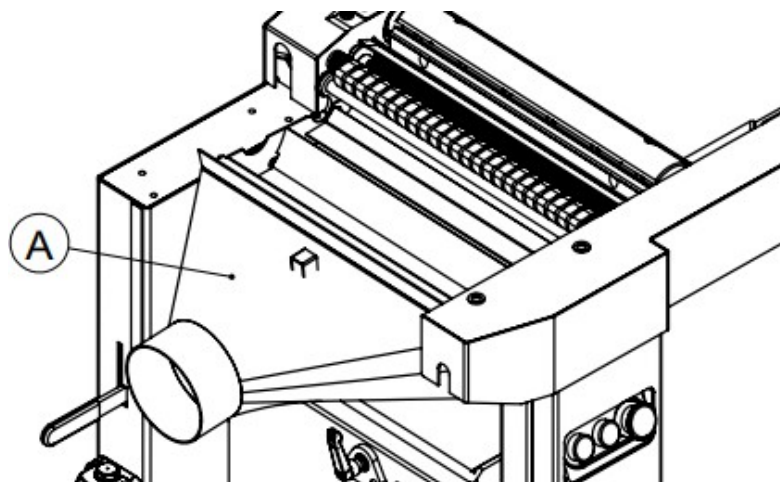
Installing the bridge-type guard:

Remove the 2 CHC screws (A). Install the bridge-type guard. (B) and secure it using 2 CHC screws. Make sure the housing bracket (C) remains between the table and the bridge-type guard.



Installing the Dust Collection System

The dust collection chute (A) must be installed when the machine is operating in planing mode.



In all cases, the machine must always be connected to a dust extraction system with specifications that meet, at a minimum, those described in section 3.2.

The vacuum system hoses must be flame-resistant and must be grounded.

5.5 ELECTRICAL CONNECTION



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



**Verify 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 upstream of the electrical installation 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: 14 A
- Motor power: 2.2 kW

For the PRD310HC, the protection must be 15 A.



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.

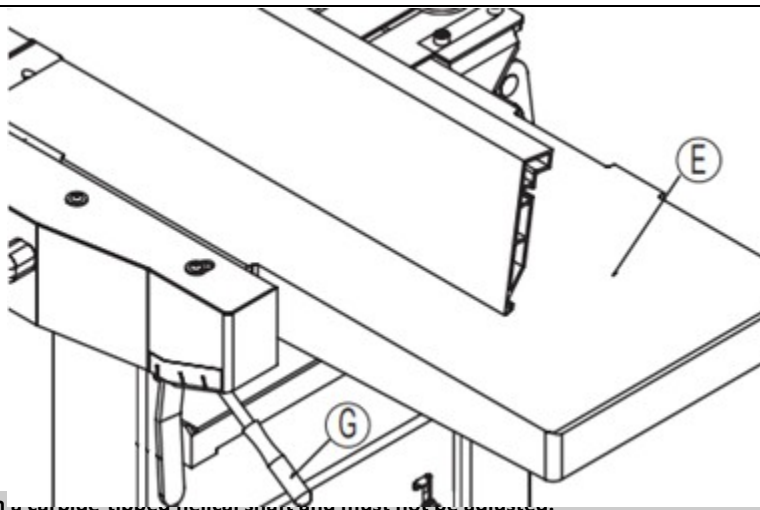
6.1 ADJUSTING THE CUTTING DEPTH IN PLANING MODE

Adjusting the height of the infeed table (E) allows you to set the cutting depth for a planing operation.

To adjust the cutting depth, position the lever (G) so that its upper edge is aligned with the desired cutting depth setting. At 0 mm, the infeed table is aligned with the outfeed table.

The maximum cutting depth of this machine is **3 mm** for planing. However, it is important to consider the following factors when selecting the appropriate cutting depth:

- Type of wood (hardwood or softwood)
- Moisture content of the wood
- Feed rate
- Condition of the carbide inserts



The height of the exit table is factory-set for use with a carbide-tipped fence and must not be adjusted.

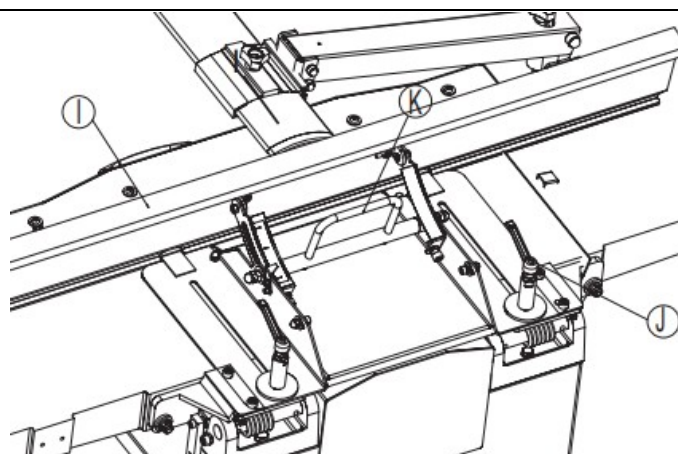
6.2 ADJUSTING THE TILTGUIDE

The tilting guide (I) provides lateral support for the workpiece during planing.

To begin, use a square to verify that the guide is perpendicular to the planing tables.

To adjust the tilting guide to the desired width, loosen the handles (J) and adjust the guide to the correct width. Then tighten the handles.

To adjust the angle of the tilting guide, lift the handle (K) to release the guide. Then position the guide at the desired angle using the graduated ruler and pull the handle (K) to lock the guide in place.

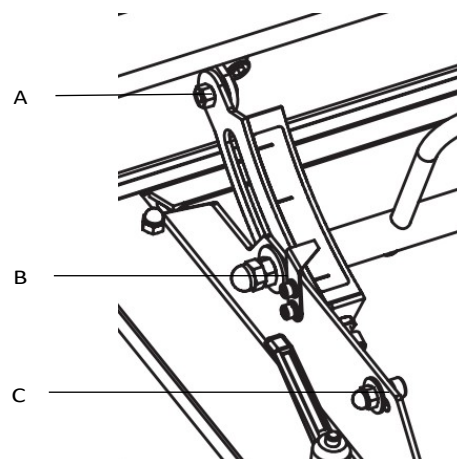


Before using the tool for the first time, it is important to verify that the guide is at a 90° angle to the table.

To adjust the tilting guide, follow these steps:

1. Lift the handle (K) to release the guide
2. Position the guide at a 90° angle to the table
3. Lower the handle (K) to lock the guide in place
4. Adjust the 90° angle stops (C) by tightening the stop screws
5. If necessary, adjust the angle indicator (B) to 0° on the graduated scale

Follow the same procedure to adjust the 45° angle stops (A).

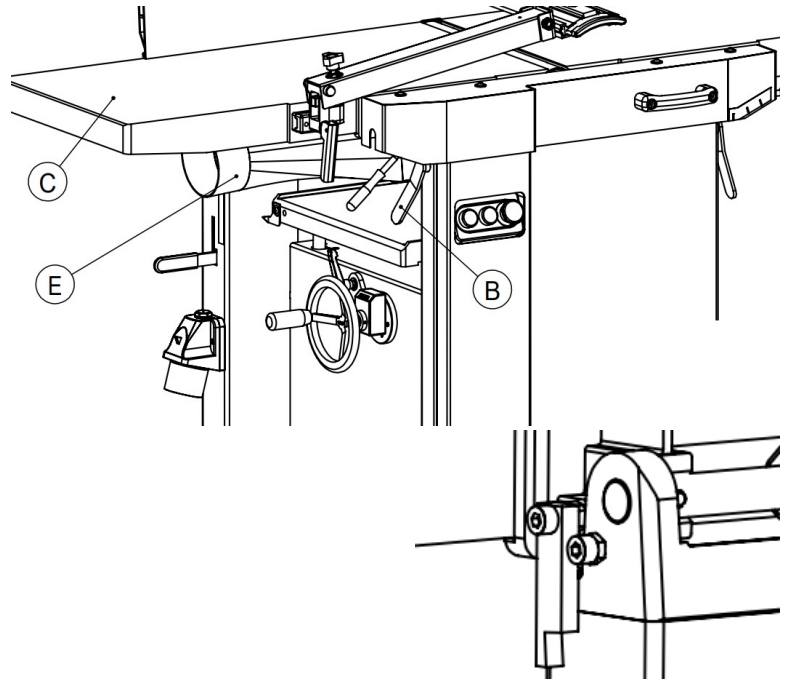


6.3 SWITCHING FROM PLANING MODE TO JOINTER MODE



Before you begin, make sure the machine is turned off and that the guides are securely fastened.

1. Lift the locking levers (B) on both sides of the machine
2. Lift the table (C) using the handle until the stop is securely engaged
3. Lift the dust extraction nozzle and position it above the cutting shaft
4. Connect the dust extraction nozzle to a dust extraction system



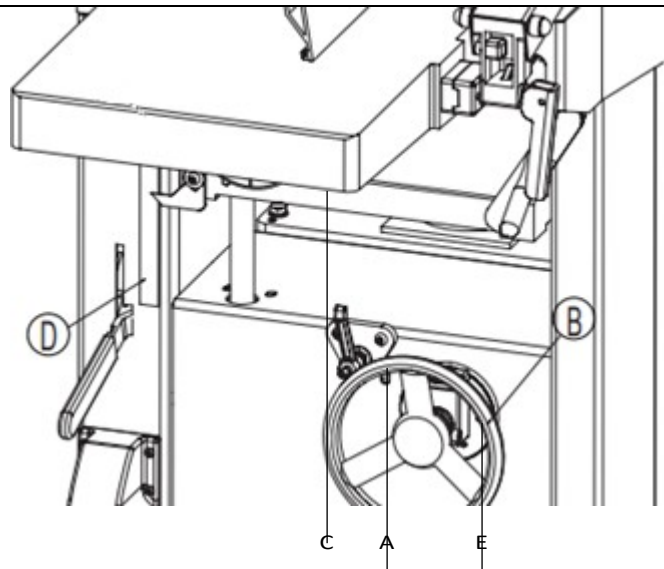
6.4 ADJUSTING THE CUTTING DEPTH IN PLANING MODE

Adjusting the height of the planing table (C) allows you to set the cutting depth for a planing operation:

1. Measure the thickness of the workpiece to be planed
2. Loosen the planing table locking lever (A)
3. Turn the handwheel (B) to set the desired height: thickness of the workpiece minus the desired cutting depth
4. To adjust the height, you can use the ruler (D) or the gauge (E) located behind the handwheel
5. Tighten the locking lever

The maximum cutting depth of this machine is **4 mm** for planing. However, it is important to consider the following factors when selecting the appropriate cutting depth:

- Type of wood (hardwood or softwood)
- Moisture content of the wood
- Feed rate
- Condition of the carbide inserts



To compensate for thread play, adjust the table height up or down. For reference, one turn of the handwheel corresponds to a 4 mm rise or drop.

7 UTILISATION

Before you begin working on the machine:

- Before performing any work on the machine, make sure it is complete and in good condition.
- Make sure there is enough space around the machine to move freely.
- Adjust the tilting guide and the bridge-type guard as described earlier.
- Make sure all the cutting inserts are in good condition and cut properly. If one or more inserts are damaged, rotate them a quarter turn (see section 8.2).
- Make sure all the insert screws are tight.
- Make sure the anti-reverse devices move freely and return to their proper position after being lifted (see section 8.4).
- Install the dust extraction system according to the instructions and test to ensure it is working properly.
- Machine only workpieces that can be safely positioned and guided.
- Carefully inspect the workpiece for any foreign objects (nails, screws) that could interfere with proper operation.

- When planing, use supports (roller tables, table extensions) for workpieces longer than the infeed and outfeed tables.
- Make sure the cutting shaft rotates freely and in the correct direction.
- Before starting the machine, make sure no one is standing near it.

During operation:

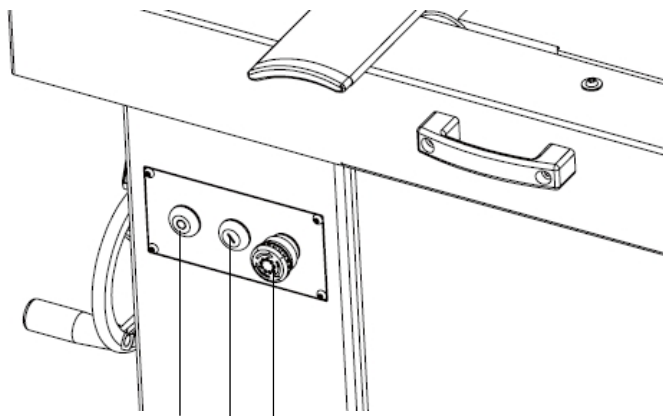
- Always wear: safety shoes, hearing protection, and close-fitting clothing.
- Never place your hands on the workpiece without first installing the bridge-type guard.
- Before changing workpieces or in the event of a malfunction, always turn off the machine.
- Never remove or bypass safety devices while the machine is running.
- People with long hair must tie their hair back before working with the machine.
- Never wear gloves while machining parts.
- Always verify that the dust extraction system is running before starting machining.

7.1 STARTING AND STOPPING THE MACHINE



Before starting the machine, make sure the planer table feed clutch is in the down position.

- To start the machine, press the green start button (A)
- To turn off the machine: press the red stop button (B)
- The machine has a latching emergency stop switch (C): when this switch is pressed, the machine stops and cannot be restarted without turning the knob clockwise to unlock it.



7.2 PLANING

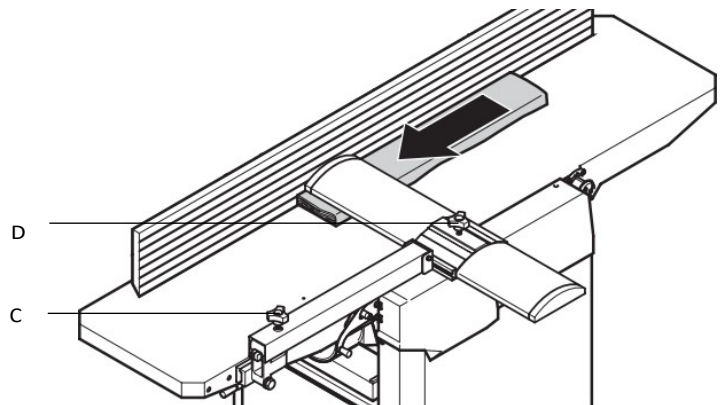
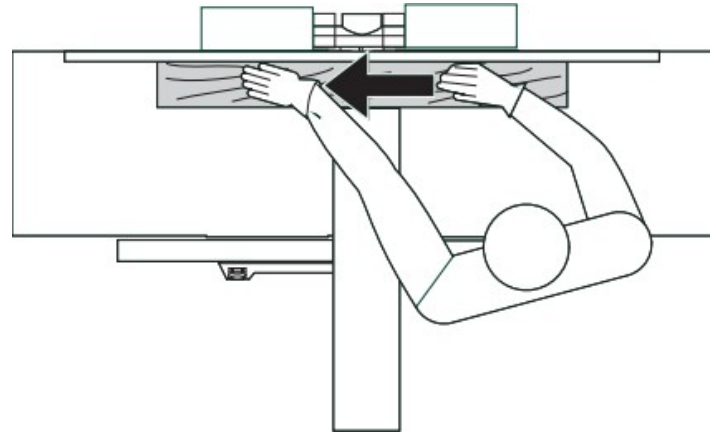


The minimum thickness of the finished planed workpiece is 6 mm. Be careful when machining a thin workpiece; it may split if the cutting depth is too great.

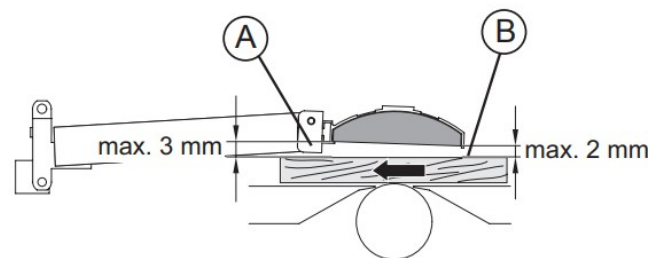
Make sure the planing table feed clutch lever is in the down position

Planing workpieces up to 75 mm thick:

1. Set the desired cutting depth as described in section 6.1 (max 3 mm)
2. Check that the dust collection system is properly connected to the nozzle and that it is running
3. Set the tilting guide to 90° and to the correct width
4. Adjust the bridge-type guard:
 - a. Use the knob (C) to position the bridge-type guard approximately 2 mm above the workpiece
 - b. Place the workpiece against the tilting guide and push it slightly under the bridge-type guard (without letting it pass over the cutting shaft)
 - c. Unscrew the knob (D)
 - d. Move the bridge-type guard toward the tilting guide
 - e. Tighten the knob (D)
5. Turn on the machine
6. Stand in front of the machine
7. Machine the workpiece:
 - a. Keep your hands flat on the workpiece
 - b. Hold the workpiece with your left hand and push with your right hand
 - c. As soon as possible, use both hands on the other side of the bridge-type guard
 - d. All at long from the operation from planing: maintain lateral pressure against the tilting guide
8. Turn off the machine if no other workpiece needs to be machined



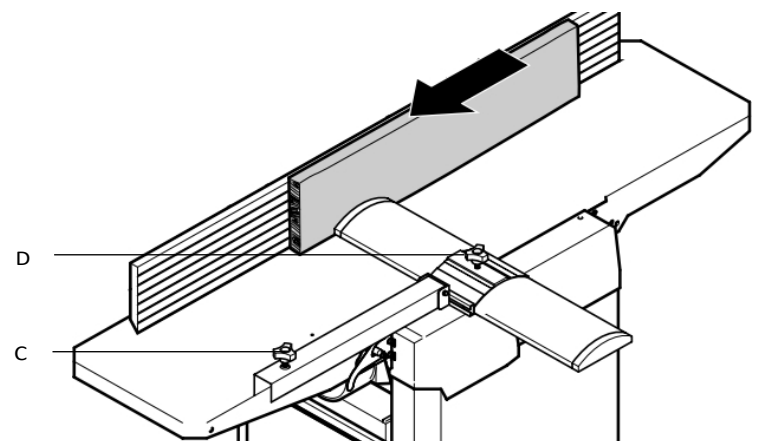
It is essential to use a push block for workpieces shorter than 250 mm.



Planing workpieces thicker than 75 mm:

Only the position of the bridge-type guard changes compared to planing workpieces less than 75 mm thick.

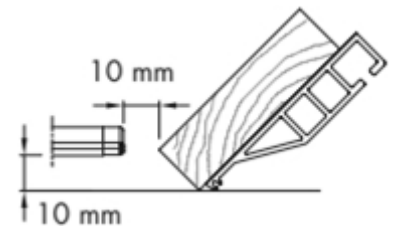
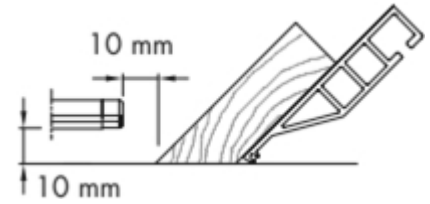
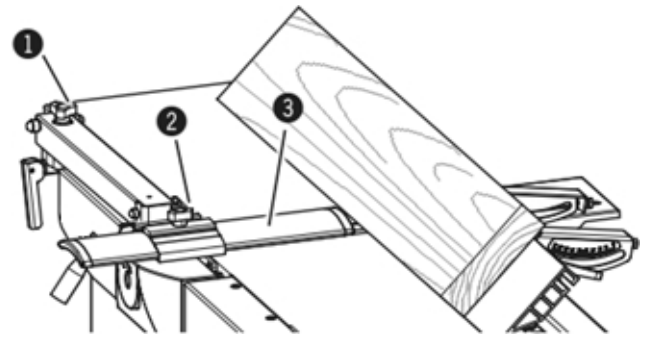
4. Adjust the bridge-type guard:
 - a. Unscrew the knob (D)
 - b. Position the bridge-type guard approximately 5 mm from the workpiece
 - c. Place the workpiece against the tilting guide and push it forward past the bridge-type guard (without letting it pass over the cutting shaft)
 - d. Place the bridge-type guard against the workpiece
 - e. Tighten the screw (D)
 - f. Use the knob (C) to lower the guard bridge-style at the edge of the table



It is essential to use a push block for parts shorter than 250 mm.

Chamfering and miter cutting:

1. Set the desired cutting depth as indicated in section 6.1 (max 3 mm)
2. Check that the dust extraction system is properly connected to the nozzle and that it is running
3. Adjust the tilting guide to the desired angle (see section 6.2)
4. Adjust the bridge-type guard:
 - a. Unscrew the knob (D)
 - b. Push the bridge-type guard aside to allow the workpiece to pass through
 - c. Place the workpiece against the tilting guide and push it past the bridge-type guard (without letting it pass over the cutting shaft)
 - d. Position the bridge-type guard 10 mm from the workpiece
 - e. Tighten the knob (D)
 - f. Use the knob (C) to position the bridge-type guard 10 mm from the table
5. Turn on the machine
6. Stand in front of the machine
7. Machine the workpiece:
 - a. To prevent the workpiece from slipping on the tilting guide, press the workpiece mostly against the tilting guide and only lightly against the table
 - b. Push the workpiece with your right hand while holding it steady with your left hand
8. Turn off the machine if no other workpiece needs to be machined



If a workpiece is too small to be held securely by hand, a push block must be used. If the workpiece is too small for the push block to grip it properly, a special fixture must be used.

7.3 PLANING

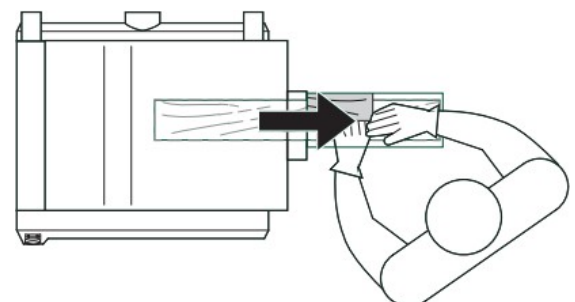
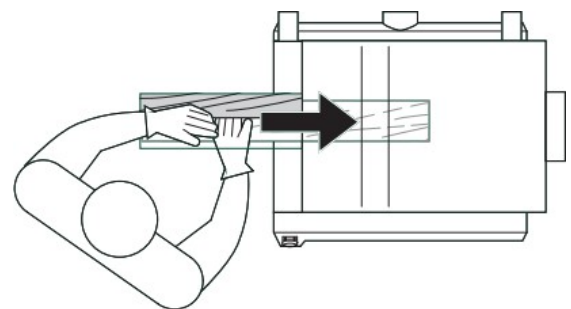


Pieces that already have one side planed can be planed to the desired thickness. The pieces are inserted with the planed side facing down, and the top of the piece is machined.

The minimum thickness of the finished planed piece is 4 mm. Never machine a piece if the final thickness is less than 4 mm.

Planing procedure:

1. If necessary, switch the machine to planing mode as described in section 6.3
2. Verify that the dust extraction system is properly connected to the nozzle and that it is running
3. Check that the anti-reverse devices are functioning properly (see section 8.4)
4. Adjust the cutting depth as described in section 6.4
5. Make sure the table locking lever is securely tightened
6. Start the machine
7. Set the clutch lever to the automatic feed position
8. Stand in front of the machine
9. Machine the workpiece:
 - a. Push the workpiece until it is fed by the feed rollers
 - b. Support the workpiece as it exits the other side of the machine
10. Turn off the machine if no other workpiece needs to be machined
11. Return the clutch lever to the lower position



A maximum of 2 workpieces can be machined at the same time. The thickness of the workpieces must not vary by more than 1 mm. Make sure that both workpieces are properly fed by the feed rollers.

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.

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

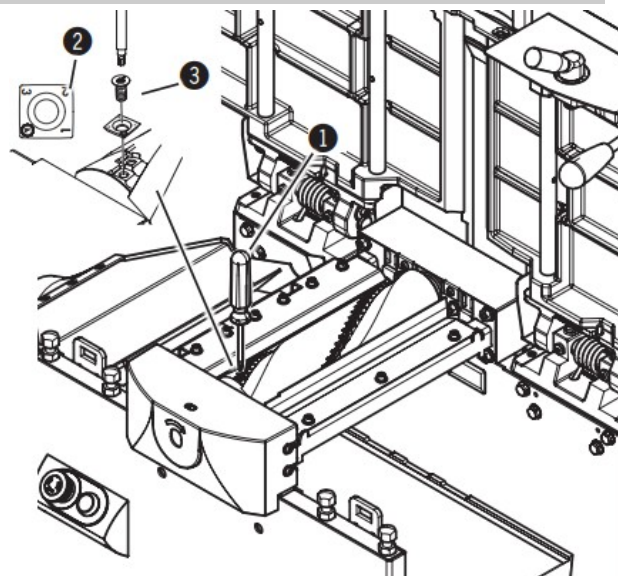
Interval	Component	To Do
Daily	Machine	Clean and remove chips
	Tables	Clean and remove chips
	Tilting guide and bridge-type guard	Clean and remove chips
	Backstop devices	Check for proper operation and clean them (see section 8.4)
Monthly	Drive belt	Check condition and tension
	Feed rollers	Clean up the residue
	Table up/down screws	Lubricate
Every 6 months	Drive chain	Check condition and lubricate if necessary
	Sprockets	Check condition and lubricate if necessary

8.2 REPLACING CARBIDE INSERTS



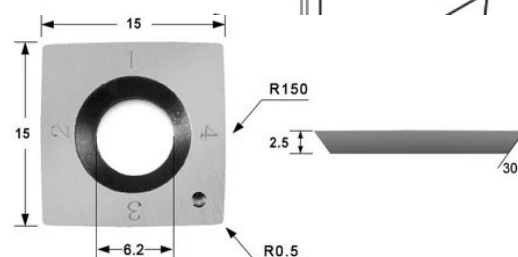
Carbide inserts are extremely sharp; always wear gloves when handling them. Always use a torque wrench to tighten the screws securing the carbide inserts. Tightening torque: 6 N·m

1. Set the machine to planing mode without installing the dust collection chute
2. Loosen the screw securing the insert
3. Remove the insert from its housing and use a cloth or compressed air to remove any residue
4. Clean the housing and the insert with a resin remover and a brush
5. Reinstall the insert by turning it a quarter turn. The sides of the inserts are numbered 1 through 4. If all 4 sides of the insert are worn, replace it with a new one
6. Check that the insert clamping screw is in good condition and clean it
7. Tighten the screw with a torque wrench to 6 N·m



Always use inserts measuring 15 x 15 x 2.5 R150 mm.

To ensure optimal machine performance, always use PEUGEOT OUTILS PROFESSIONNELS carbide inserts.

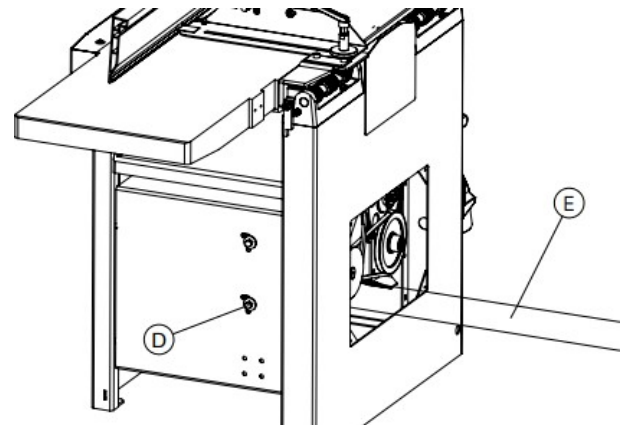
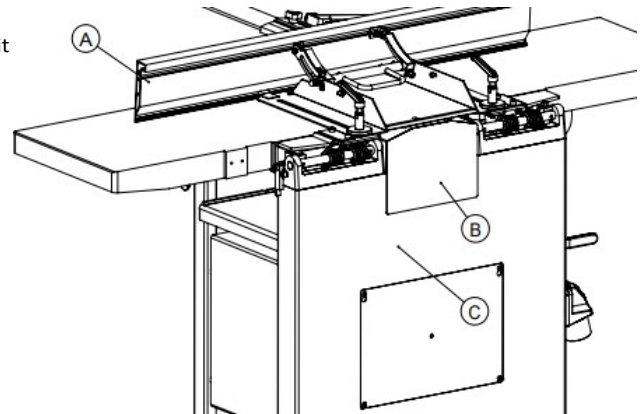
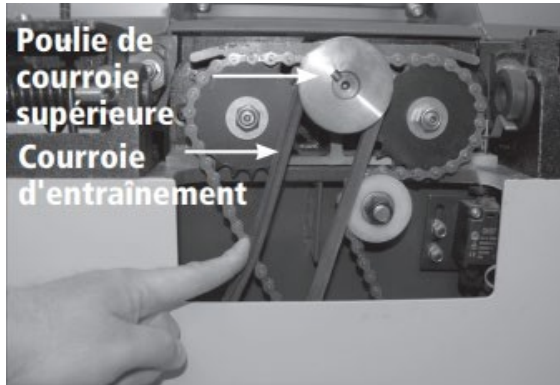


8.3 CHECKING THE DRIVE BELT TENSION

The drive belt may become loose over time. It is necessary to check its condition regularly. The belt must not have any cracks or tears. If it does, it must be replaced.

To check the belt tension, proceed as follows:

1. Push the tilting guide (A) all the way forward
2. Remove the 2 screws from the cover (B) and remove the cover by pulling it
3. Check the belt tension by pressing down on it with your thumb. The belt should not move more than 10 mm at its center.



If the tension is incorrect, you must retension the drive belt:

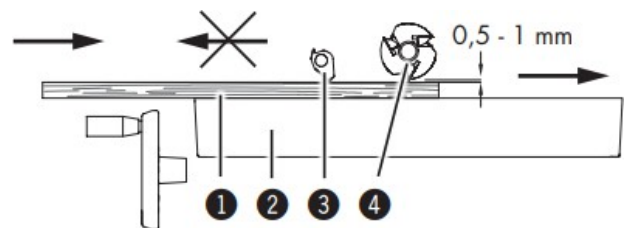
1. Loosen the motor mounting screws (D) under the feed table
2. To access the motor, remove the access panel
3. The belt tension is achieved by the weight of the motor:
 - a. Use a block or bars (E) to lift the motor until the belt is at the correct tension
 - b. Tighten the screws (D) while maintaining pressure on the motor
 - c. Clean the pulleys and belts
 - d. Reinstall the access panel and the housing (B)

The planer's feed belt does not require adjustment. However, check it for any signs of wear; if present, it must be replaced.

8.4 CHECKING BACKSTOP DEVICES

Backflow prevention devices must be checked daily. If they malfunction, the workpiece may be propelled toward the operator.

1. Make sure the machine is turned off
2. Check that the anti-reverse devices are functioning properly;
 - a. Place a workpiece in the machine as if to machine it
 - b. Adjust the table height so that the board is 0.5–1 mm from the cutting shaft
 - c. It must not be possible to remove the workpiece
 - d. Push the workpiece out of the machine
3. Clean any residue from the anti-reverse devices



1. Board
2. Planing table
3. Backstop devices
4. Cutting shaft

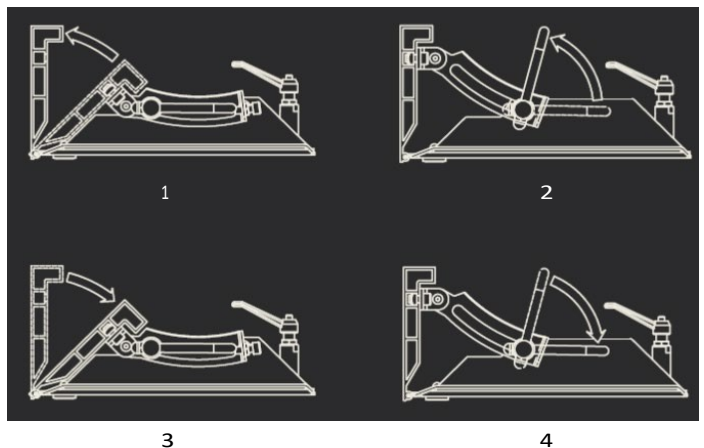
8.5 TABLE OF DEFECTS

Defects	Solutions
The machine won't start	The emergency stop switch has not been reset
	Close the tables completely in planing mode to engage the safety mechanism
	Position the dust collection chute correctly in planing mode to activate the safety feature
Squeaking noises upon startup	The belt is not tight enough
The angle of the tilting guide is incorrect	Reposition the stops on the tilting guide as indicated in the Section 6.2
The surface finish is not good after planing	Check all carbide inserts and turn or replace any that are dull or worn
Scratches or nicks in the wood on the front or back of the workpiece after planing	The tension of the feed roller springs is incorrect and must be checked
The table locking handles are hard to turn	Clean the locking mechanism inside the machine
The machine vibrates excessively	Check that the floor is level
	Tighten all screws
	Replace or rotate damaged inserts
	Check the condition and tension of the drive belt and replace or retension it if necessary

8.6 DESCRIPTION OF THE PICTOGRAMS USED ON THE MACHINE

A. Adjusting the angle of the tilting guide

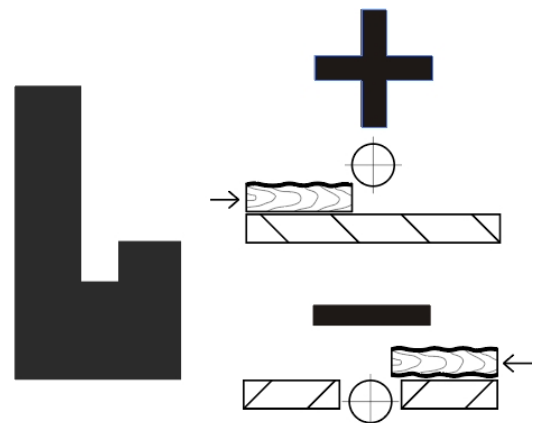
- Adjustable from 45° to 90°
- Release the guide
- Adjustment from 90° to 45°
- Lock the guide



B. Automatic feed handle

When the handle is set to the upper position, indicated by the (+) symbol in the diagram shown here, automatic feed is activated. As a reminder, automatic feed must be activated when using the machine in planing mode.

Automatic feed is deactivated when the handle is in the lower position, indicated by the (-) symbol. Automatic feed must be deactivated before using the machine in planing mode.

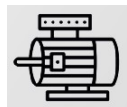


C. Direction of Rotation



This arrow indicates the direction of rotation of the spindle

D. Nameplate



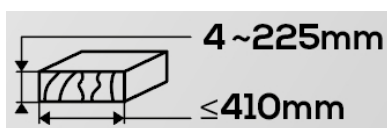
: Motor specifications: power, voltage, frequency, amperage



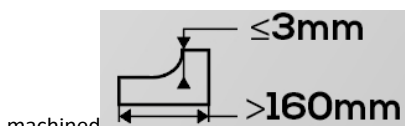
: Machine weight



: Shaft rotational speed



: Maximum width and minimum/maximum thickness of the workpiece that can be



machined : Maximum cutting thickness and minimum workpiece length for use in planing



mode : Machine protection rating

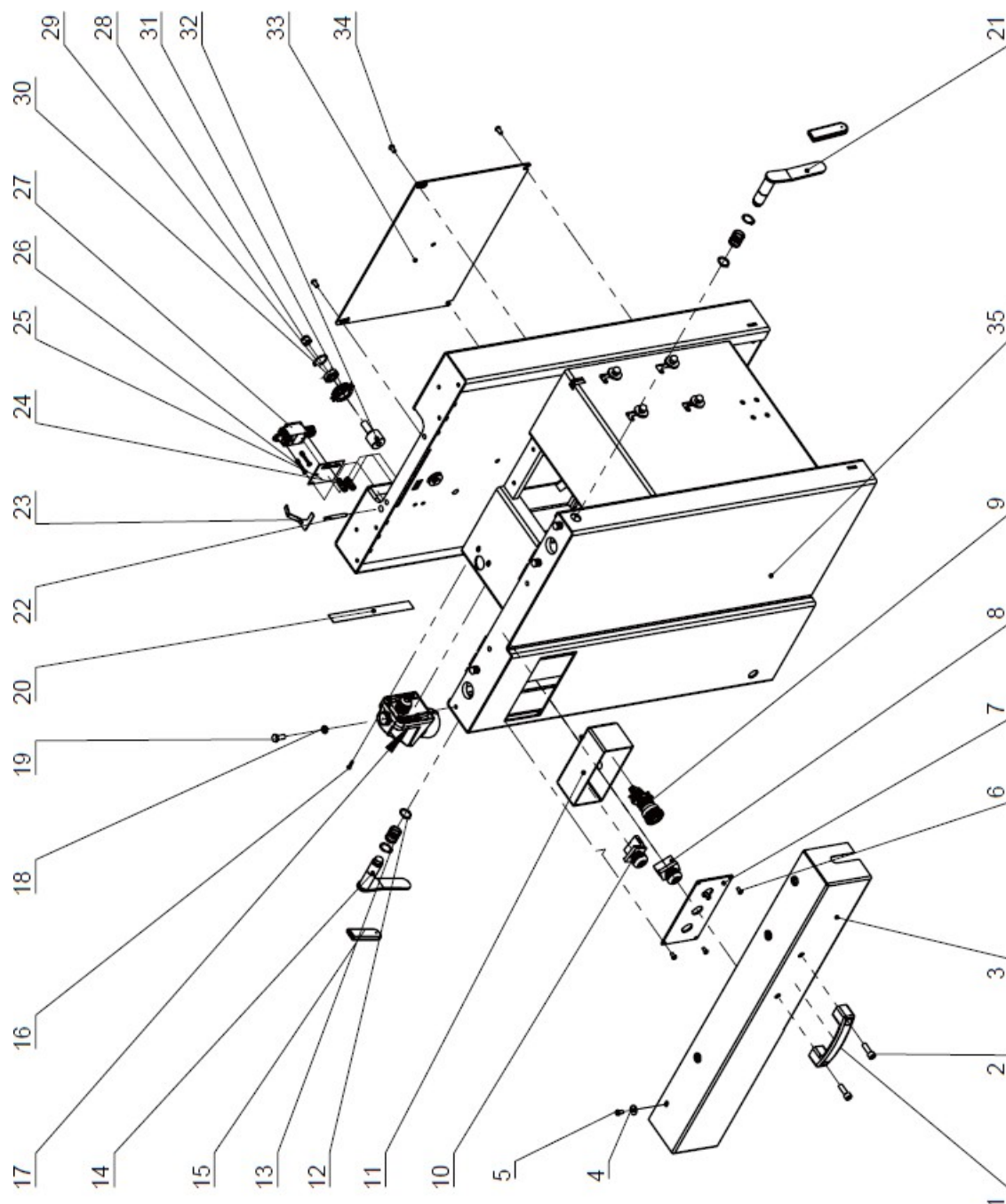
E. Maintenance



: Instructions to follow during maintenance

9 VUE ÉCLATÉE

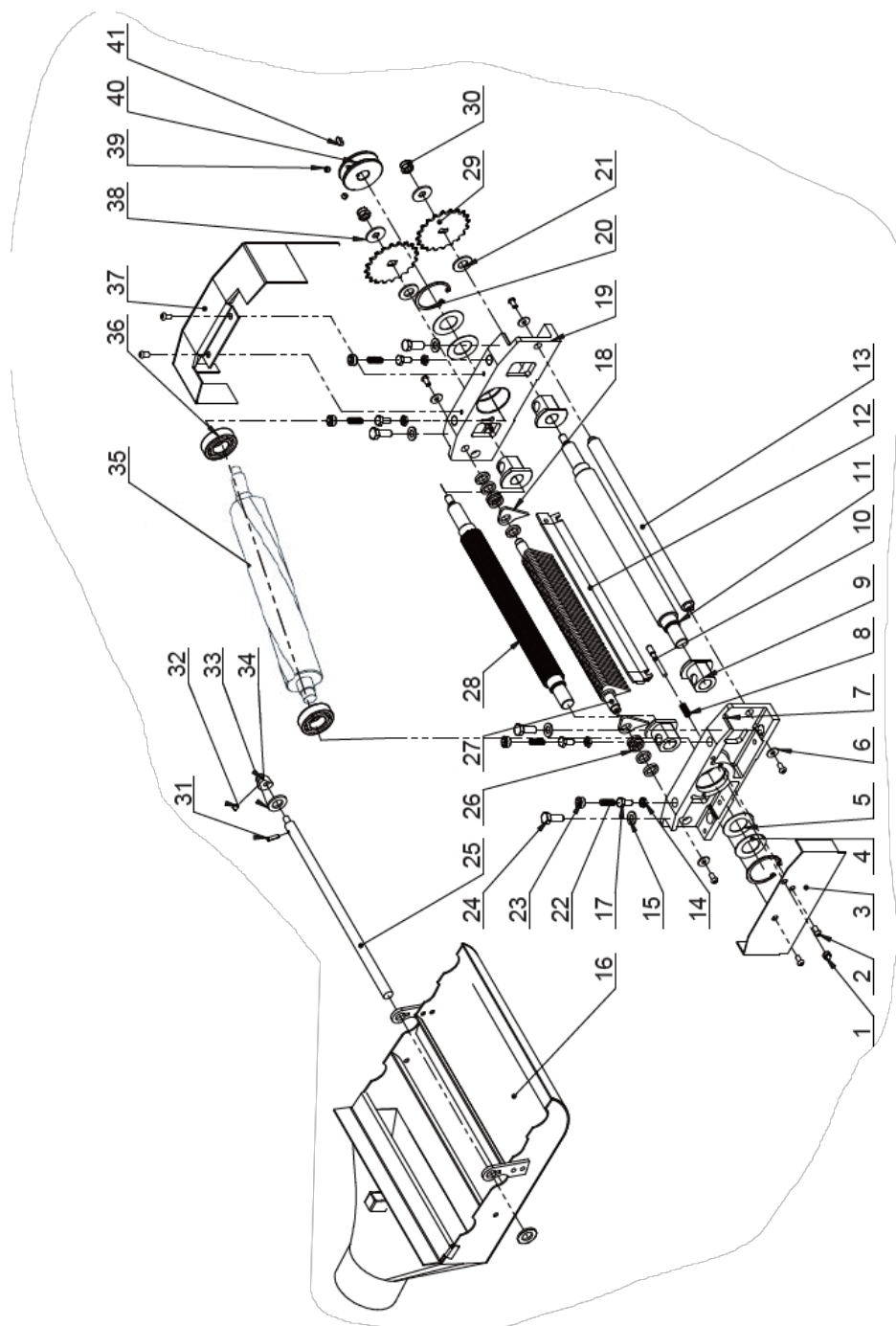
EXPLODED VIEW OF THE PRD310HC FRAME (VIEW 01)



PARTS LIST FOR PRD310HC FRAME EXPLODED VIEW (VIEW 01)

Part Number	Description	Quantity
1	Handle	1
2	CHC screw – M8 x 25	2
3	Left cover	1
4	Wide washer, Ø6	4
5	CHC screw – M6 x 12	4
6	CHC screw – M5 x 10	4
7	Control box cover	1
8	Stop button	1
9	Emergency button	1
10	Start button	1
11	Control box	1
12	Circlip Ø20	4
13	Spring	2
14	Handle	2
15	Handle sleeve	2
16	Screw – M4 x 16	2
17	Three-phase plug	1
18	Hex nut – M8	2
19	Ball-joint bolt	2
20	Ruler	1
21	Handle	1
22	Pressure rod	1
23	Pressure plate	1
24	Screw – M6 x 25	2
25	Support plate	1
26	Screw – M4 x 30	2
27	Safety switch	1
28	Self-locking nut – M8	1
29	Circlip Ø28	1
30	6001-2Z Bearing	1
31	Wheel	1
32	Bolt	1
33	Window plate	1
34	Screw – M6 x 12	4
35	Frame	1

EXPLODED VIEW OF PRD310HC CUTTING SHAFT (VIEW 02)



PARTS LIST FOR PRD310HC CUTTING SHAFT EXPLODED VIEW (VIEW 02)

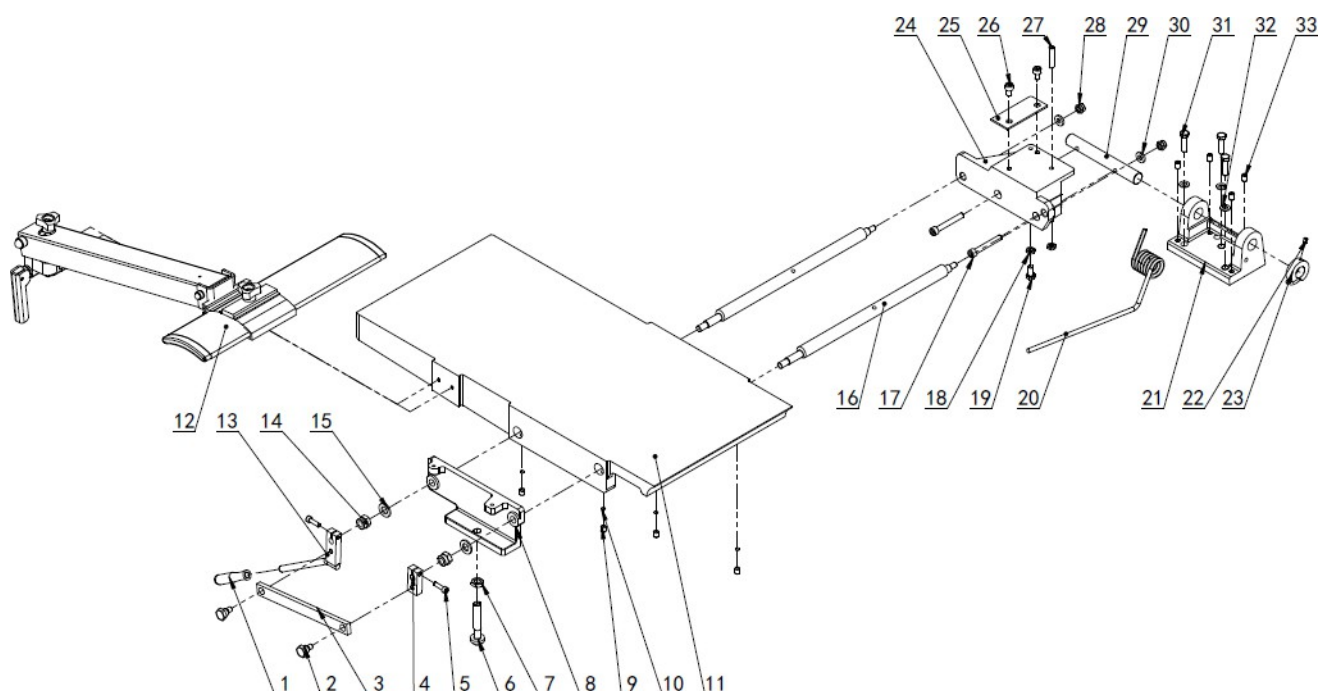
Part Number	Description	Quantity
1	Cap nut – M6	1
2	Screw – M6 x 12	8
3	Inner guide	1
4	Corrugated washer	2
5	Washer	2
6	Wide washer, Ø6	4
7	Left cutting head bracket	1
8	Spring	1
9	Shaft sleeve	4
10	Positioning pin	1
11	Output roller	1
12	Dust shield	1
13	Shaft	1
14	Nut – M8	4
15	Flat washer – Ø10	4
16	Dust collector	1
17	Hex bolt – M8 x 16	4
18	Check valve	18
19	Right-side cutting head mount	1
20	Circlip Ø52	2
21	Washer	2
22	Spring	4
23	Screw	4
24	Hex bolt – M10 x 25	4
25	Rod	1
26	Ring	27
27	Rod	1
28	Infeed roller	1
29	Large chain wheel	2
30	Hexagonal lock nut – M10	2
31	Pin – 5 x 18	1
32	Clamping screw – M6 x 8	1
33	Flat washer – Ø16	2
34	Small eccentric wheel	1
35	Spiral cutting head	1
36	Bearing – 6205-DDU C3	2
37	Right-side guard	1
38	Wide washer, Ø10	2
39	Clamping screw – M8 x 6	2
40	Belt pulley for cutting shaft	1
41	Key – 6 x 16	1

This exploded view diagram illustrates the assembly of a mechanical device, likely a pump or a valve actuator. The components are numbered 1 through 39. The assembly is shown in a disassembled state to show the relationship between parts. Key components include a base (1), a vertical shaft (4) with a spring (3), a horizontal shaft (7) with a gear (18) and a pulley (13), a central vertical shaft (17) with a piston (21) and a cylinder (27), and a top plate (25) with a handle (26). The diagram uses dashed lines to indicate the alignment and assembly sequence of the parts.

PARTS LIST FOR EXPLODED VIEW OF PRD310HC PLANER UP/DOWN ASSEMBLY (VIEW 03)

Part Number	Description	Quantity
1	CHC Screw – M6 x 45	1
2	Nut – M6	1
3	Threaded tube	1
4	Threaded rod	1
5	Bracket	1
6	Circlip – Ø20	2
7	Lifting shaft	1
8	CHC screw – M8 x 12	3
9	Flat washer – Ø8	9
10	Flange plate	1
11	Adjustment screw – M6 x 8	3
12	Position indicator	1
13	CHC screw – M6 x 16	1
14	Bearing – 6202-2Z P5	1
15	Hex nut – M6	4
16	Retaining ring – Ø35	1
17	Locking lever	1
18	Handwheel	1
19	Adjustable handle	1
20	Thin nut – M8	1
21	Flat washer – Ø6	4
22	Rings	2
23	Screws – M6 x 25	4
24	Rod	1
25	Jointer table	1
26	Gauge	1
27	Spring washer – Ø10	2
28	Hex head screw – M10 x 35	2
29	Tube	1
30	Adjustment screw – M8 x 20	5
31	Locking plate	1
32	Centering sleeve	1
33	Spring washer – Ø8	2
34	Hex bolt – M8 x 40	8
35	Shaft bushing – Ø23 x 20 x 15	1
36	Gear	2
37	Screw – M6 x 12	3
38	Large washer – Ø6	3
39	Large washer – Ø8	2

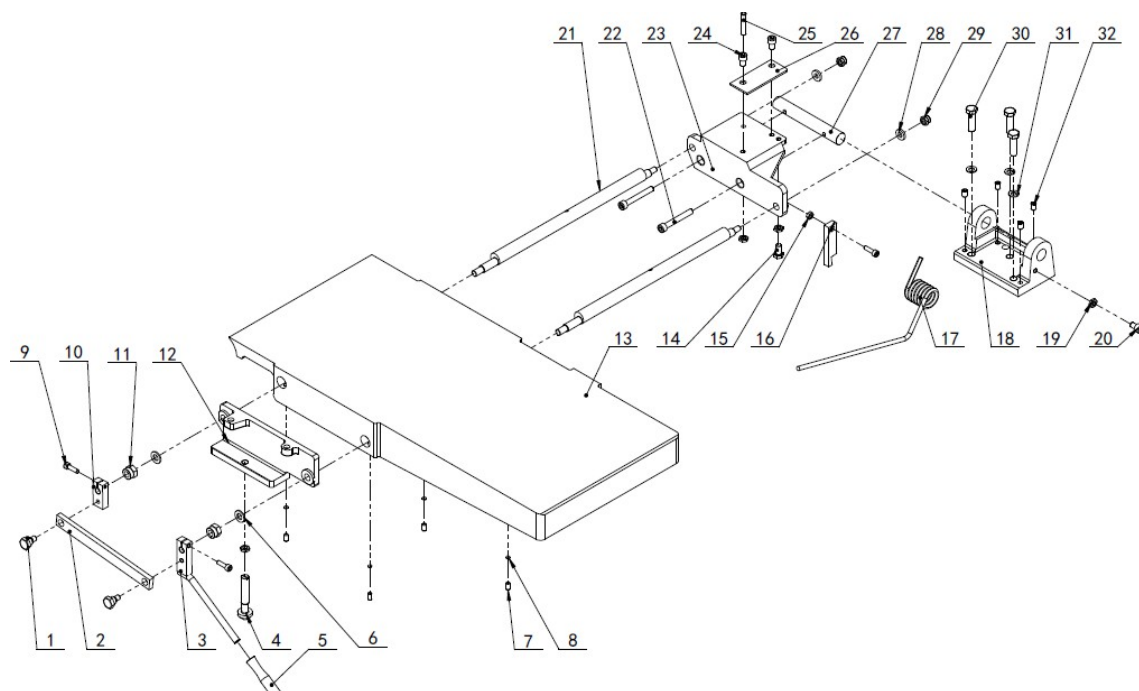
EXPLODED VIEW OF THE PRD310HC OUTPUT TABLE (VIEW 04)



PARTS LIST FOR EXHAUST TABLE PRD310HC (VIEW 04)

Part Number	Description	Quantity
1	Handle Sleeve	1
2	Shoulder bolt	1
3	Shank	1
4	Small lever	1
5	Hex head screw - M6 x 20	2
6	Clamping rod	1
7	M12 nut	1
8	Rear bracket	1
9	Hex screw - M8 x 10	4
10	Washer	4
11	Planing table	1
12	Cutting head guard	1
13	Handle	1
14	M12 lock nut	2
15	Flat washer 12	2
16	Eccentric shaft	2
17	Screw - M8 x 60	2
18	M8 fine-threaded nut	2
19	Hex bolt - M8 x 16	1
20	Torsion spring	1
21	Bracket	1
22	Clamping screw - M6 x 8	1
23	Large deflection wheel	1
24	Rear door	1
25	Guide plate	1
26	Screw - M8 x 10	2
27	Hex head screw - M8 x 40	1
28	M8 self-locking hex nut	2
29	Rear support bar	1
30	Washer	2
31	Bolt - M8 x 30	3
32	Flat washer 8	3
33	Hex head screw - M8 x 12	4

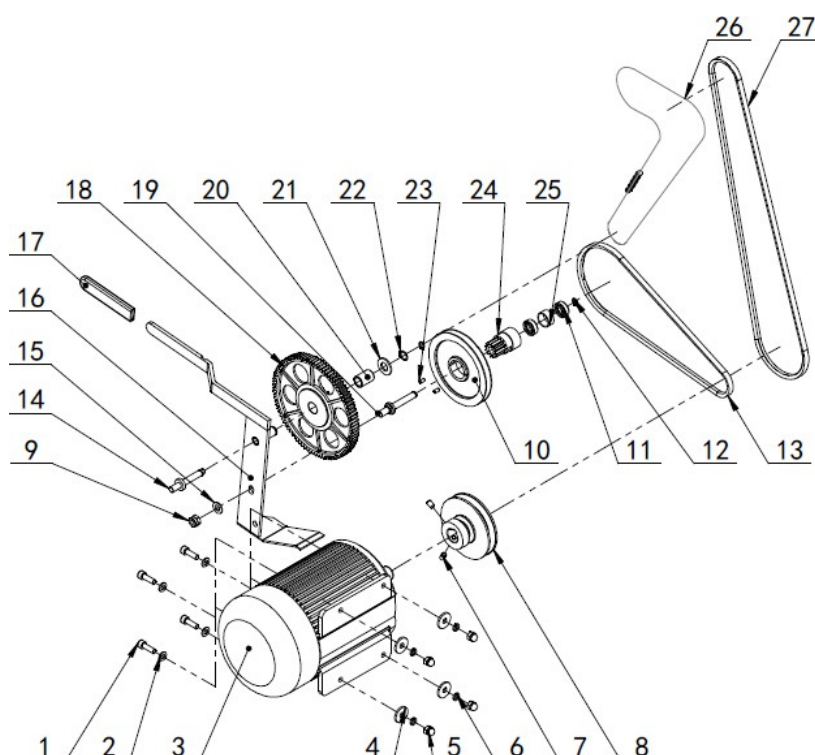
EXPLODED VIEW OF PRD310HC INPUT TABLE (VIEW 05)



PARTS LIST FOR EXPLODED VIEW OF PRD310HC INPUT TABLE (VIEW 05)

Part Number	Description	Quantity
1	Shoulder bolt	2
2	Shank	1
3	Handle	1
4	Clamping rod	1
5	Handle tube	1
6	Flat washer, Ø12	2
7	CHC screw - M8 x 10	4
8	Washer	4
9	CHC screw - M6 x 20	3
10	Rod	1
11	M12 lock nut	2
12	Rack	1
13	Planing table	1
14	Screw - M8 x 16	1
15	M8 nut	1
16	Block	1
17	Spring	1
18	Support base	1
19	M8 nut	4
20	CHC screw - M8 x 12	1
21	Eccentric shaft	2
22	Screw - M8 x 60	2
23	Front brackets	1
24	Screws - M8 x 10	2
25	CHC screw - M8 x 40	1
26	Guide plate	1
27	Support bar	1
28	Washer	2
29	M8 lock nut	2
30	Bolt - M8 x 30	3
31	Flat washer Ø8	3
32	CHC screw - M8 x 12	4

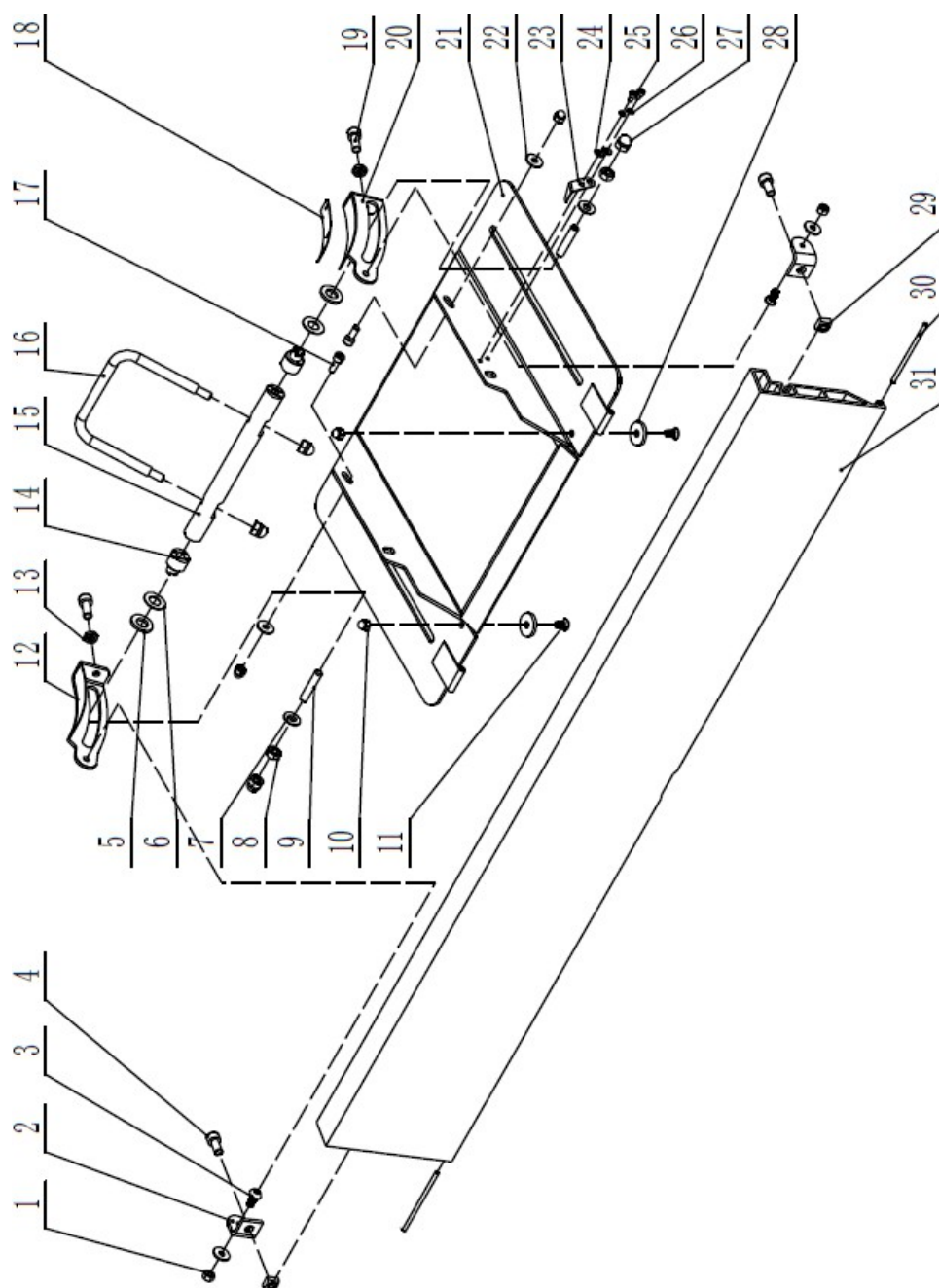
EXPLODED VIEW OF THE PRD310HC ENGINE ASSEMBLY (VIEW 06)



PARTS LIST FOR PRD310HC ENGINE ASSEMBLY EXPLODED VIEW (VIEW 06)

Part Number	Description	Quantity
1	CHC Screw - M8 x 25	4
2	Flat washer Ø8	4
3	Motor	1
4	Large washer, Ø8	4
5	M8 cap nut	4
6	Spring washer Ø8	4
7	CHC screw - M8 x 12	2
8	Motor pulley	1
9	M10 self-locking nut	1
10	Belt pulley	1
11	Bearing 6000-2Z	2
12	CLP10 Retaining Ring	2
13	V-belt	1
14	Chain wheel axle	1
15	Flat washer, Ø10	1
16	Panel assembly	1
17	Handle Sleeve	1
18	Large gear wheel	1
19	Pulley shaft	1
20	Small sprocket bushing	1
21	Washer	1
22	CLP15 retaining ring	1
23	Clamping screw - M5 x 10	2
24	Small gear wheel	1
25	Sleeve	1
26	Chain	1
27	V-belt	1

EXPLODED VIEW OF PRD310HC TILTLE GUIDE ASSEMBLY (VIEW 07)

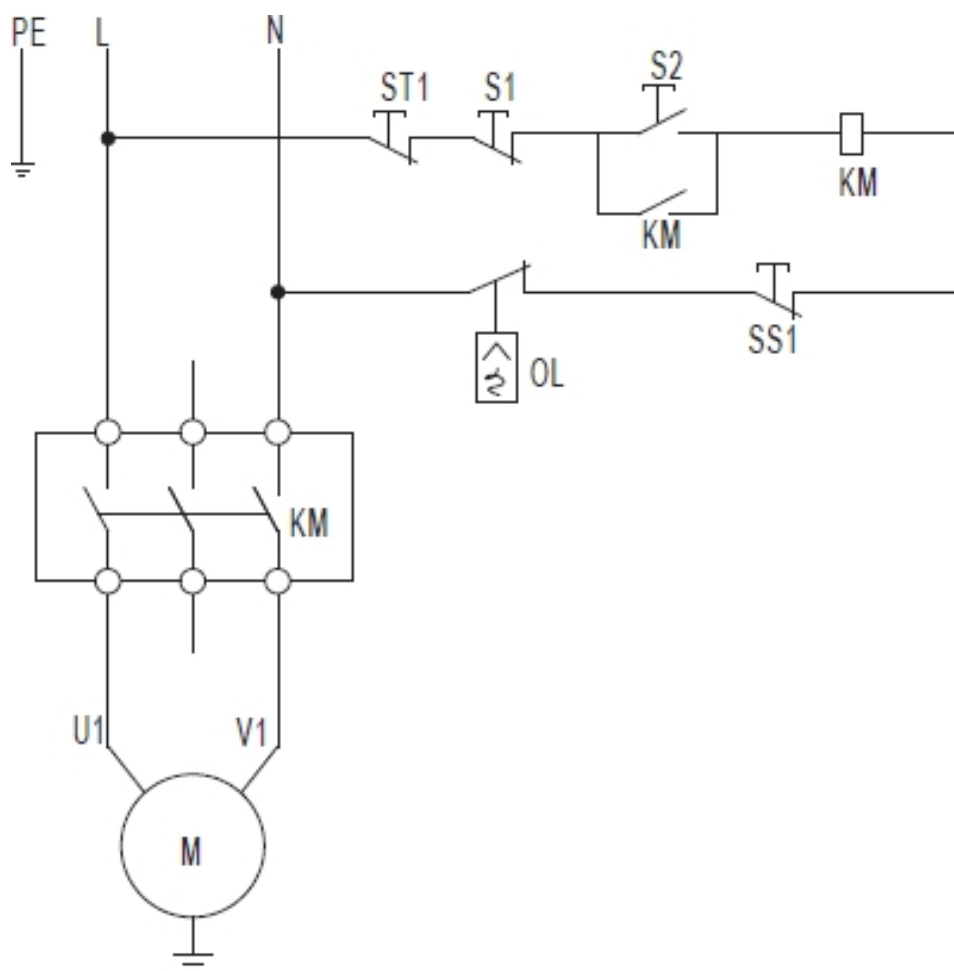


PARTS LIST FOR EXPLODED VIEW OF PRD310HC TILTABLE GUIDE ASSEMBLY (VIEW 07)

Part Number	Description	Quantity
1	CHC Screw - M8 x 25	4
2	Flat washer Ø8	4
3	Motor	1
4	Large washer, Ø8	4
5	M8 cap nut	4
6	Spring washer Ø8	4
7	CHC Screw - M8 x 12	2
8	Motor pulley	1
9	M10 self-locking nut	1
10	Belt pulley	1
11	Bearing 6000-2Z	2
12	CLP10 Retaining Ring	2
13	V-belt	1
14	Chain wheel axle	1
15	Flat washer, Ø10	1
16	Panel assembly	1
17	Handle sleeve	1
18	Large gear wheel	1
19	Pulley shaft	1
20	Small sprocket bushing	1
21	Washer	1
22	CLP15 retaining ring	1
23	Clamping screw - M5 x 10	2
24	Small gear wheel	1
25	Sleeve	1
26	Chain	1
27	V-belt	1

10 SCHÉMA ÉLECTRIQUE

PRD310HC ELECTRICAL DIAGRAM



11 NIVEAU SONORE

The noise level emitted 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.

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.

- Average sound pressure level:
 $L_{pAm} = 88.3 \text{ dB(A)}$
- Sound power level:
 $L_{wA} = 103.9 \text{ dB(A)}$
- Sound pressure level at the workstation:
 $L_{pA} = 90.7 \text{ dB(A)}$

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. This estimate indicates that, based on the obtained values, the margin of error is approximately 3 dB(A).

The values given are emission levels and not necessarily levels that ensure 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:
 $A(8) < 2.5 \text{ m/s}^2$

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/s^2 , 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 $A(8) = 5 \text{ m/s}^2$
- Daily action-triggering exposure value $A(8) = 2.5 \text{ m/s}^2$

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 the machines are recycled under the best possible conditions, in accordance with the European Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

Contact your local city hall or your retailer 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 is eligible for a 2-year warranty extension, 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 warranty extension 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

Declares that the following new machine:

- Description: **PLANER AND JOINTER**
- Brand: **PEUGEOT PROFESSIONAL TOOLS**
- Model: **PRD310HC**
- Part Number: **PPM00600002**
- 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**
- **Safety standard for combined planer/jointer machines EN ISO 19085-7**

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**

Subject to an EC type-examination certificate in accordance with the Machinery Directive 2006/42/EC, issued by the notified body TÜV SÜD (No. 0123).

The EC type-examination certificate bears the number 4840321532701.

Dated in TOURS-EN-SAVOIE
The

Stéphane Le Mounier,
General Manager



Person authorized to compile the technical file:

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

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