STAYER

CPT3000E

ES Manual de instrucciones

IT Istruzioni d'uso

GB Operating instructions

FR Instructions d´emploi

P Manual de instruções

STAYER

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Fig. A

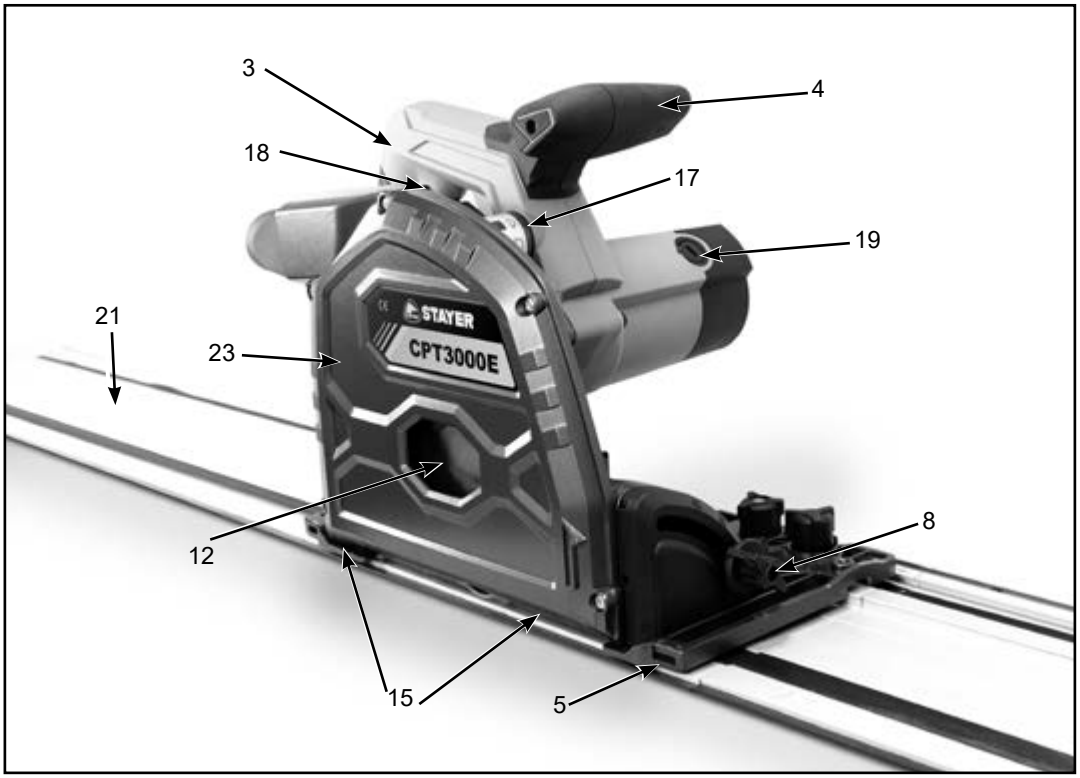


Fig. B

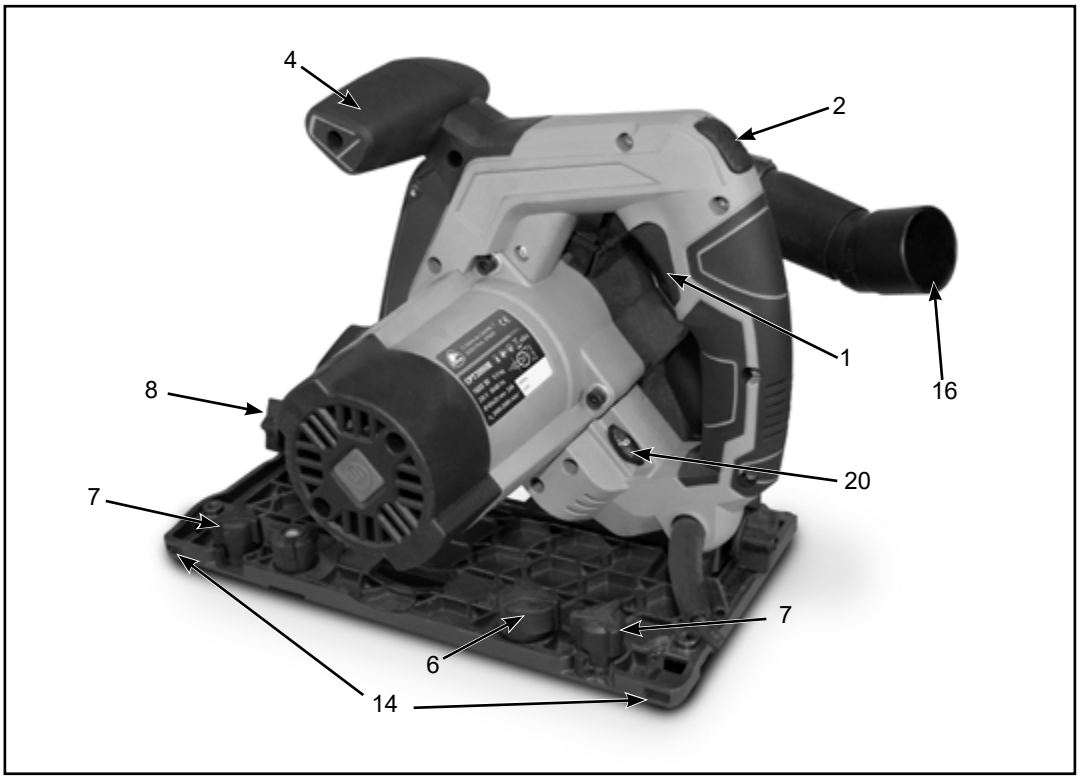


Fig. C

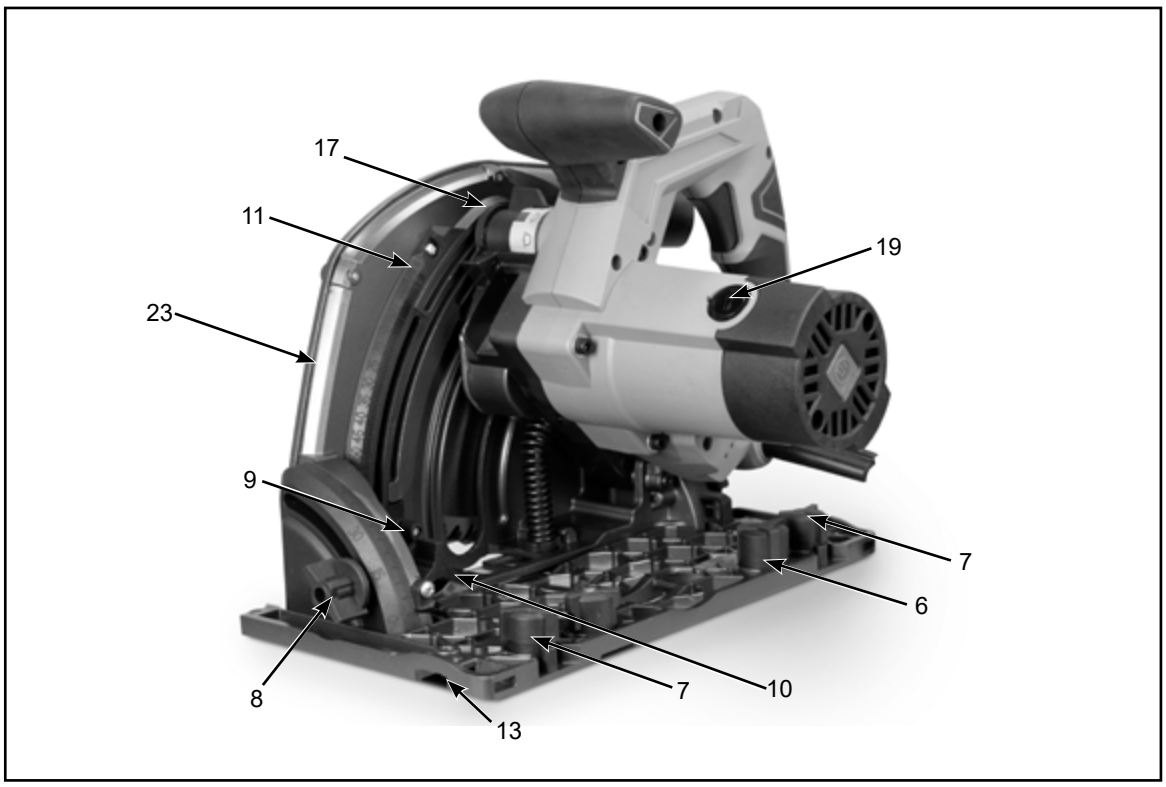


Fig. 1

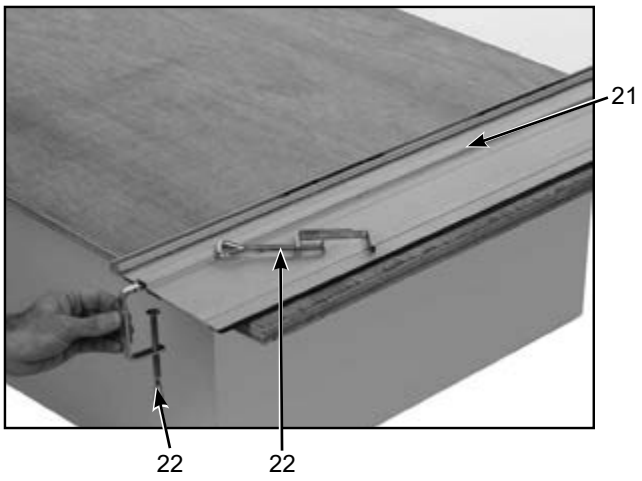


Fig. 2

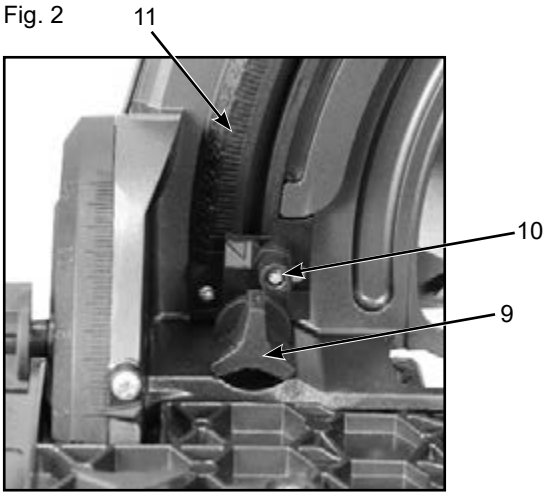


Fig. 3

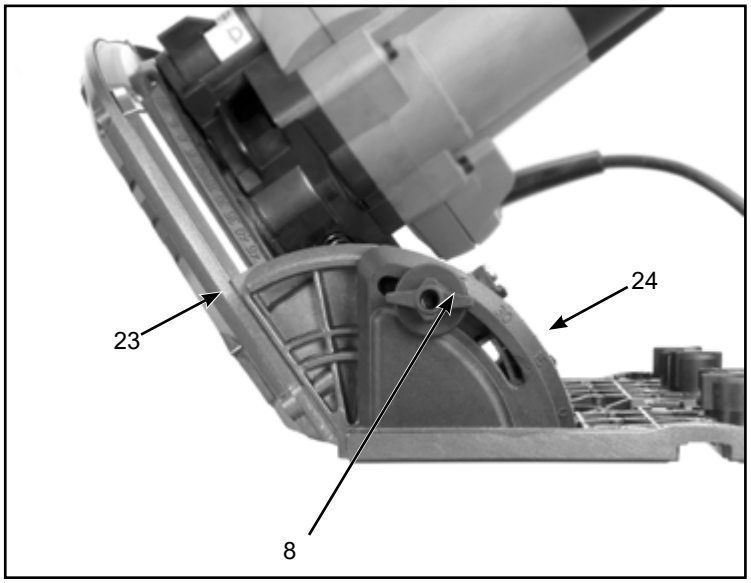
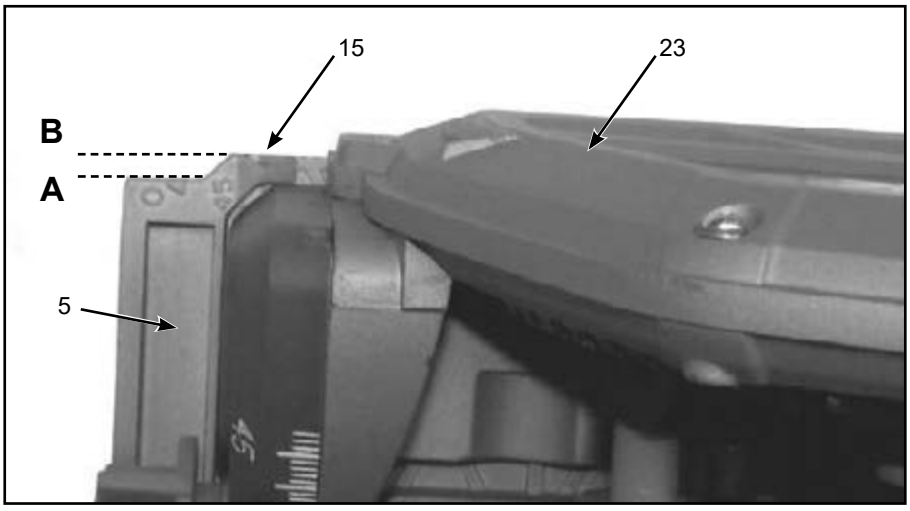
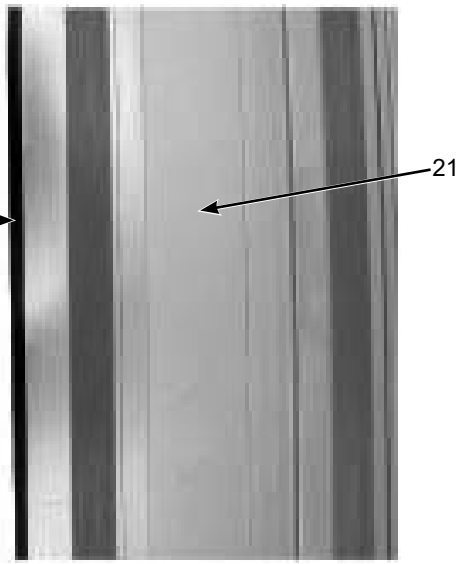
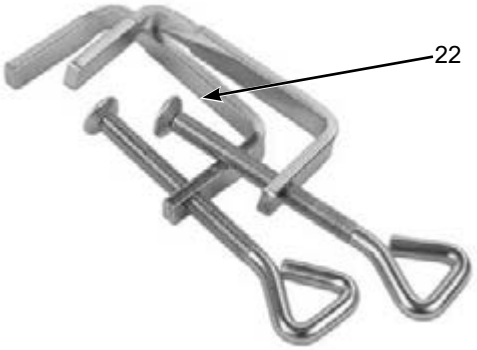


Fig. 4







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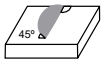		º	0-45
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		L_{WA} dB(A)	100
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This manual is consistent with the date of manufacture of your machine, you will find information on the technical data of the machine acquired manual check for updates of our machines on the website: **www.grupostayer.com**

The plunge saw is intended to cut wood and similar materials, gypsum and cement-bonded fiber materials and plastic. With compatible special saw blades the plunge saw can also be used to cut aluminum.

The plunge saw is only to be used with a specifically designed guide rail. Installation in a differenct or homemade guide rail or workbench can cause serious accidents.

WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

1. INDEX

page

2. ADDITIONAL SAFETY INSTRUCTIONS FOR PLUNGE SAWS

- Make sure that the mains voltage matches the specifications on the type plate.
- Persons with restricted physical, sensory or mental capabilities are not allowed to use the plunge saw unless they are supervised and instructed by a guardian.
- Never leave the powered-on saw unattended and keep them out of reach of children and persons in need of supervision.
- Do not bring your hands in the cutting area and the saw blade.
- Keep in mind that even a worn saw blade is still very sharp. Always grasp the saw blade on the sides. Do not fling the saw blade and do not drop it.
- Never use the plunge saw with grinding wheels.
- Do not grip underneath the workpiece. The protective cover cannot protect you from the saw blade under the workpiece.
- Adjust the cutting depth to the thickness of the workpiece. It should be visible less than a full tooth height under the workpiece.
- Do not cut very small workpieces. When cutting round wood, use a device which secures the workpiece from twisting. Never hold the workpiece to be cut in your hand or across your leg. It is important to secure the workpiece properly to minimise the risk of physical contact, jamming of the saw blade or loss of control.
- Hold the saw only by the insulated gripping surfaces when performing an operation
  where the cutting tool may come into contact with hidden power lines or its own device cable. Contact with a live wire also exposes the metal parts to tension and leads to an electric shock.
- Use always saw blades in the correct size and with suitable locating bore. Saw blades that do not match the mounting parts of the saw will run unevenly and lead to loss of control.
- Never use a damaged or incorrect outer flange or a damaged clamping screw. The outer flange and the clamping screw have been specially designed for your saw for optimum performance and reliability.
- Start the plunge saw and begin cutting when it reaches the full idling speed.
- Never brake the saw blade using lateral pressure after switching it off.
- Set the saw aside only when the saw blade comes to a standstill.
- Do not expose the saw to high temperatures, humidity and strong shocks. The saw can be damaged as a result.
- Hold the saw firmly with both hands and bring your arms into a position in which you can resist the kickback forces

CAUSES AND PREVENTION OF KICKBACK

- A kickback is the sudden reaction as a result of a stuck, jammed or misaligned saw blade which leads to an uncontrolled saw to be lifted and moved from the workpiece out in the direction of the operator.
- A kickback can occur when the saw blade gets stuck or jammed in the saw gap. The saw blade is blocked and the motor force repels the circular saw in the direction of the operator.
- A kickback can occur when the saw blade becomes twisted or misaligned in the saw groove. As a result, the teeth of the back edge of the saw blade can get stuck in the surface of the workpiece, whereby the saw blade is moved out of the saw gap and the saw jumps back in the direction of the operator.
- A kickback is the result of incorrect or faulty use of the saw. It can be prevented by appropriate precautions as described below.
- Hold the saw firmly with both hands and bring your arms into a position in which you can resist the kickback forces. Always hold the saw baldes on the sides, never

bring the blade in line with your body. In a kickback, the saw can jump backwards, but the operator can control the kickback forces if appropriate measures were taken.

- If the saw blade jams or sawing is interrupted for any reason, release the ON / OFF switch and calmly hold the saw in the material until the saw blade stands completely still. Never attempt to remove the saw from the workpiece or pull it backwards as long as the saw blade is moving or a kickback might occur. Find the cause of the saw blade jam and eliminate them through appropriate measures.
- When you want to restart a saw that is stuck in a workpiece, center the saw blade in the saw gap and check that the saw teeth are not stuck in the workpiece. If the saw blade jams, it can move out from the workpiece or a kickback can happen if the saw is restarted.
- Prop up large panels in order to minimise the risk of a kickback by a jammed saw blade. Large panels tend to sag under their own weight. Panels must be supported on both sides, both in the vicinity of the saw gap as well as on the edge.
- Do not use dull or damaged saw blades. Saw blades with blunt or misaligned teeth cause increased friction, jamming of the saw blade and kickback by an excessively narrow saw gap.
- Tighten the cutting depth position prior to cutting. If the settings change while cutting, the saw blade can jam and a kickback can occur.
- Be especially careful if you perform a “circular cut” in a hidden area, such as an existing wall. The protruding saw blade can get blocked in hidden objects while cutting and cause a kickback.
- Do not place the saw on the workbench or the floor unless the saw blade is at a standstill. An unprotected, running saw blade moves the saw against the cutting direction and cuts whatever is in its way. Thus note the delay time of the saw.
- For this reason, the saw is not suitable for use in reverse position as fixed equipment.

TABLE SAFETY ICONS			
	Denotes risk of personal injury or damage to the tool.		
	Lea este manual antes de utilizar el aparato.		Always wear protective gloves
	In accordance with essential requirements of the European directive(s)		Always wear safety goggles.
	“Class II - The machine is double insulated; Earthing wire is therefore not necessary.		

- Do not operate the saw if it is not working properly or has been damaged. In case of technical problems, do not attempt to repair it on your own. Contact the service or have the saw repaired by a professional.

3. Instructions for use

3.1 Placement tool

Carefully remove the tool and all loose items from the shipping container.
Retain all packing materials until after you have inspected and satisfactorily operated the machine.

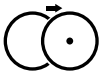
Before setting up, repair or maintenance of the appliance you must always turn off the operating switch and pull out the mains plug!

3.2 Assembly

- Before each use check the proper function of all installation fixtures of the plunge saw and only use the plunge saw if everything works properly.
- Attach the work piece in such way that it cannot move or bend during work. Line the work piece respectively.
- Always hold the plunge saw with both hands at the hand grips (3) and (4).
- Always guide the plunge saw forward. Never draw the plunge saw back!
- Place the plunge saw with the front part of the base plate (5) on the work piece. Guide the plunge saw only against the work piece during operation.
- With the correct forward speed you prevent overheating of the saw blade, and melting when cutting plastics.

Plunge saw feature

Selector switch
Use the selector switch (17) to set the respective operation mode.

		
Corte de inmersión	Corte de marcado	Cambio de hoja de sierra

Guide rails and clamps (Fig. 1)

Fixing with the clamps ensures solid grip and safe work.

- Place the guide rail on the work piece and fix the guide rail with the clamps. Slide the bar into the groove of the guide rail and tighten the clamp with the lever.
- Place the plunge saw on the guide rail. The base plate has a groove (13), which exactly fits into the guide ridge of the rail.

3.3 Descripción ilustrada

1. On/off switch
2. Lock-off button
3. Main handle
4. Auxiliary handle
5. Base
6. Anti-kickback knob
7. Adjustment knob for guide track
8. Bevel lock knob
9. Depth adjustment knob
10. Depth adjustment stopper
11. Depth scale
12. Blade
13. Slot for track
14. Cutting indicators
15. Cutting width indicators
16. Dust extraction outlet
17. Mode selector
18. Shaft lock
19. Carbon brush cap
20. Electronic speed controller.
21. Guide rail.
22. Clamp.
23. Protection guard.
24. Cutting angle scale.

4. Operating instructions

4.1 Placement and testing

Switching ON/OFF

- Press the switch lock (2) and then the ON/OFF switch (1) to switch the plunge saw on.
- Release the ON/OFF switch (1) to switch the plunge saw off.

Notes: Pressing the switch lock (2) unlocks the plunge cut mechanism at the same time, so that the blade can be moved downwards. The saw blade emerges from the protective cover. When lifting the saw the motor slides back into the initial position.

4.2 Tuning operations

4.2.1. Setting the cutting depth

The cutting depth can be set between 0 - 67 mm:
- Loosen the cutting depth limit stop knob (9) and slide it to the desired cutting depth according to the graduated scale (11) to set the cutting depth.

Note: The graduated values on the scale (11) apply for straight cuts (90° cut).

The guide rail depth adjustment stopper (10) must be tilted up when using the plunge saw without guide rail. Only when using the plunge saw with guide rail, the guide rail depth adjustment stopper is used to compensate for the thickness of the guide rail.

(Fig 2)
Using the guide rail = guide rail depth adjustment stopper down.
Not using the guide rail = guide rail depth adjustment stopper up.

(Fig. 3) Tighten the cutting depth limit stop knob (9). The motor or respectively the saw blade can now be pushed down to the set cutting depth.
For a clean, safe cut set the cutting depth in such way that only max. one saw blade tooth protrudes under the work piece.

4.2.2. Setting the cutting angle (Fig. 4)

The plunge saw can be swiveled between 0° and 48°:

- Loosen both rotary knobs (8). Swivel the motor to the desired cutting angle on the cutting angle scale.
- Tighten the rotary knobs (8) again

Always hold the plunge saw with both hands. Always guide the plunge saw forward. Never draw the plung saw back!

4.2.3. Determine Cutting line (Fig. 4)

Two cutting lines are marked on the base plate (5) of the plunge saw.

- Align position A (0 mark on base plate) at the front of the base plate with your marked cutting line when using the plunge saw without guide rail for straight cuts.
- For 45° miter cuts align position B (45 mark on base plate) at the front of the base plate with your marked cutting line.

4.2.4. Straight cuts (90° cut)

Loosen both rotary knobs (8) and swivel the saw to 0° position on the scale. Tighten the rotary knobs again.

Turn the selector switch (17) to plunge cut function.

- Set the desired plunge depth. Ensure that the guide rail depth adjustment stopper (10) is up when using the saw without guide rail.
- To switch on the saw press the switch lock (2) and the ON/OFF switch (1) and push the motor down. Guide the saw forward to cut.

4.2.5. Miter cuts (up to 48°)

- First loosen both rotary knobs (8) and swivel the plunge saw to the desired graduation. Tighten the rotary knobs again.
- Switch the plunge saw on.

Turn the selector switch (17) to plunge cut function.

- Set the desired plunge depth. Ensure that the guide rail depth adjustment stopper (10) is in up position when using the saw without guide rail.

To switch the saw on press the switch lock (2) and the ON/OFF switch (1) and push the motor down. Guide the saw forward to cut.

The cut indicator (14) shows the cutting path for 90° and 45° miter cuts (without using the guide rail).

4.2.6. Marked cutting


Turn the selector switch (17) to marked cut function.

- Press the switch lock (2) and push the motor down. The casing stops in 2.5 mm cutting depth position.

Note: The marking line should be aligned with cutting line A (0 mark).

4.2.7. Plunge cuts

- For a straight cut first loosen both rotary knobs (8) and swivel the plunge saw to 0° position on the scale. Tighten the rotary knobs again.


Turn the selector switch (17) to plunge cut function.

- Set the desired plunge depth. Ensure that the guide rail depth adjustment stopper (10) is up if not using the guide rail.
- Press the switch lock (2) and the ON/OFF switch (1) and push the motor down. Guide the saw forward to cut.

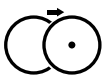
Note: To prevent the saw from kicking back during plunge cuts follow these steps:

- Always place the plunge saw with the rear edge of the base plate (5) against a fixed limit stop.
- Hold the plunge saw in both hands and slowly lower the saw blade.
- The cutting width marks (15) show the most foremost and rearmost cutting points of the saw blade (Ø 185 mm) at maximum cutting depth and when using the guide rail.

4.2.8. Replacing the saw blade


Before any maintenance work always switch off the plunge saw and disconnect from mains power.

- Loosen both rotary knobs (8) and swivel the plunge saw to 0° position before changing the saw blade. Tighten the rotary knobs again.


- Set the selector switch (17) to the change saw blade icon.

- Press the switch lock (2) down and push the motor down.
- Press and hold the spindle arrester down.
- Use a 5 mm Allen key to turn the screw at the saw blade slightly clockwise or counter-clockwise until the spindle clicks into place.
- Use the Allen key to loosen the screw counter-clockwise. Remove the outer flange and the saw blade.
- Clean both flanges and replace the saw blade.

Note: The rotation direction arrows of saw blade and saw must be aligned!

- Replace the outer flange in such way that the slaving pins sit in the recesses of the inner flange.
- Press and hold the shaft lock b utton and tighten the screw. Press the switch lock (2) for the casing to swivel up again.

4.2.9. FINE ADJUSTMENT OF PLUNGE SAW PLAY ON GUIDE RAIL

The play of the base plate on the guide rail can be reduced to minimum with the fine adjustment screws (7).

- Loosen the fine adjustment screws counter-clockwise.
- Turn both fine adjustment screws (7) clockwise to minimize the play between base plate and guide rail, if necessary.
- Fasten the fine adjustment screws clockwise.

4.2.10. CONNECTING RODS FOR GUIDE RAILS

- To connect both guide rails slide the first connecting rod from the bottom into the groove of the guide rail.
- Slide the other connecting rod into the second groove.
- Use the 3 mm Allen key to tighten the stud screws to the limit stop to connect the rails.

4.2.11. GUIDE RAIL SPLINTER GUARDS

The guide rails come with a splinter guard (black protruding rubber lip). The splinter guard should be cut to size before first use. The splinter guard ensures a tear-free cut, since the wood fibers at the top of the work piece are torn without splinter guard. This is due to the saw blade teeth being directed upward.

After cutting the splinter guard to size it also shows the precise cutting path of the saw blade.

- Mark a cutting line on the work piece and align the guide rail exactly with this cutting line.
- Fix the guide rail with clamps on the work piece.
- Set the selector switch to marked cut function. Set the plunge saw speed to 6.
- Place the plunge saw at the rear end of the guide rail.
- Switch the plunge saw on and push the saw down. Cut the splinter guard continuously over the entire length. The edge of the splinter guard now exactly matches the cutting edge.

4.2.12. KICKBACK STOP

The kickback stop is designed to prevent operator injuries due to kickback.

When working with the guide rail the kickback stop (6)

automatically clicks into place on the base plate as soon as the base plate is placed on the guide rail. The kickback stop (6) counteracts the movement if you try to guide the plunge saw on the guide rail back or if the saw kicks back, e.g. due to the saw blade jamming.

- Turn the spring-loaded screw of the kickback stop (6) towards 0 to manually unlock. Now the saw can be moved forward and back.
- Release the spring-loaded screw for the kickback stop to click into place on the guide rail again.

  After a kickback always check the guide rail for damages and dispose of a damaged guide rail to prevent accidents.

4.2.13. PLUNGE CUT WITH GUIDE RAIL

- Hold the plunge saw with both hands at hand grips (3) and (4).
- Switch the plunge saw on and wait until it runs on full speed.
- Push the saw slowly down and guide the saw towards the plunge position.

Note: The cutting width markings (15) at the side of the protective cover show the foremost and rearmost cutting points of the saw blade at maximum cutting depth when using the guide rail and a 165 mm diameter saw blade.

5. CLEANING AND MAINTENANCE

Attention !Before performing any work on the equipment, pull the power plug.

5.1. Cleaning

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.

Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

5.1.1. Checking and replacing the carbon brushes

The carbon brushes must be checked on a regular basis.

- In case of wear, replace both carbon brushes at the same time.
- Mount the carbon brush holders.
- After mounting new carbon brushes, let the machine run at no load for 15 minutes.

Use only the correct type of carbon brushes.

5.1.2. Lubrication

- From time to time, apply a drop of oil to the thread of the lock screw (17).

5.2. Repair service

Our after-sales service responds to your questions conceming maintenance and repair ofyour product as well as spare parts.

Exploded views and information on spare parts can also be found under: **info@grupostayer.com**

Our customer consultants answer your questions conceming best buy, application and adjustment of productsand accessories.

5.3. Warranty

Warranty card

Included in the documentation that accompanies this equipment, you should find the warranty card. You should fill out the card completely and retum to vendar with a copy of purchasing receipt or invoice and you should receive a receipt.

Note: If you cannot find the warranty card within the documentation,youmust ask for it through your supplier.

The warranty is limited only to manufacturing defects and expire if pieces have been removed or manipulated or repaired otherthan themanufacturer.

5.4. Disposal and recycling

The machine, accessories and packaging should be sorted for environmental-friendly recycling.

OnlyforEC countries:

Do not dispose of power tools into household waste!

According the European Guideline 2002/96/EC for Waste Electrical and Electronic Equipment and its implementation into national right,power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

Subject to change wlthout notlce.

6. Regulations

6.1 Technical Data

= Rated power input

= Load speed

= Disc Diameter


=Cutting capacity


= Cutting capacity 90º


= Cutting capacity 45º


= Weight

L_{WA} = Sound power level

L_{PA} = Sound pressure level


= Vibration

The values givenarevalid for nominalvoltages [U]230/240 V-50/60 Hz - 110/120 V - 60Hz. For lower voltage and models for specific countries, these values can vary. Please observe the article number on the type plata of your machine.The trade names of the individual machines may vary.

NoiseNibration Information

Noise determined according to EN 60745.
The typical sound pressure level of appliance determined with a filter A product are: Sound pressure level 99 dB(A); sound power level 100 dB(A). Tolerance K=3 dB.


Wear hearing protection!

Total vibration values (vector sum of three directions) determined according to EN 60745: Sanding drywal ah=4 m/s2, K= 1,5 m/s2.
The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.
The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications,with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure leveloverthe totalworking period.
An estimation of the levelof exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce theexposure level over the total working period.
Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories,keepthe hands warm, organisation of work pattems.

6.2 EU declaration of conformity

The undersigned:: STAYER IBERICA, S.A.

With address at:

Calle Sierra de Cazorla, 7
Área Empresarial Andalucía - Sector 1
28320 PINTO (MADRID)
Tel.: 902 91 86 81

CERTIFIES

That the machine:

Type: **SIERRA CIRCULAR**

Models: **CPT3000E**

I declare under our responsibility that the product described under “Technical Data” is in accordance with the following standards or standardized documents: EN 60745-1, EN 60745-2-5, EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3, de acuerdo con las regulaciones 2006/42/CE, 2011/65/EU, 2014/30/EU.

September 14, 2016

CE RoHS

Ramiro de la fuente
Director Manage

STAYER

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