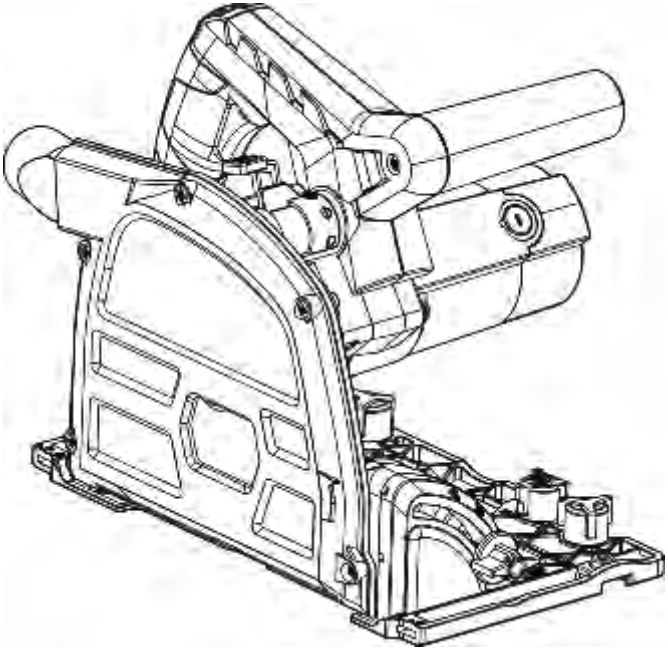
EN

# 1200W Plunge Saw



# MSPS1200

EAN: 3663602797579

**WARNING: Read the instructions before using the product!**

Original Instructions: DFT_MSPS1200 _GB_V1_180630

# Let's Get Started…

These instructions are for your safety. Please read through them thoroughly before use and retain them for future reference.

## Getting **started...** 02

Your **product** 03
Technical **and legal information** 05
**Before** you **start** 11

## In **more detail...** 20

Product **functions** 21
**Cleaning** and **maintenance** 33
**Troubleshooting** 38
**Recycling** 38
Guarantee 39
**EC** declaration **of conformity** 40

# Your product

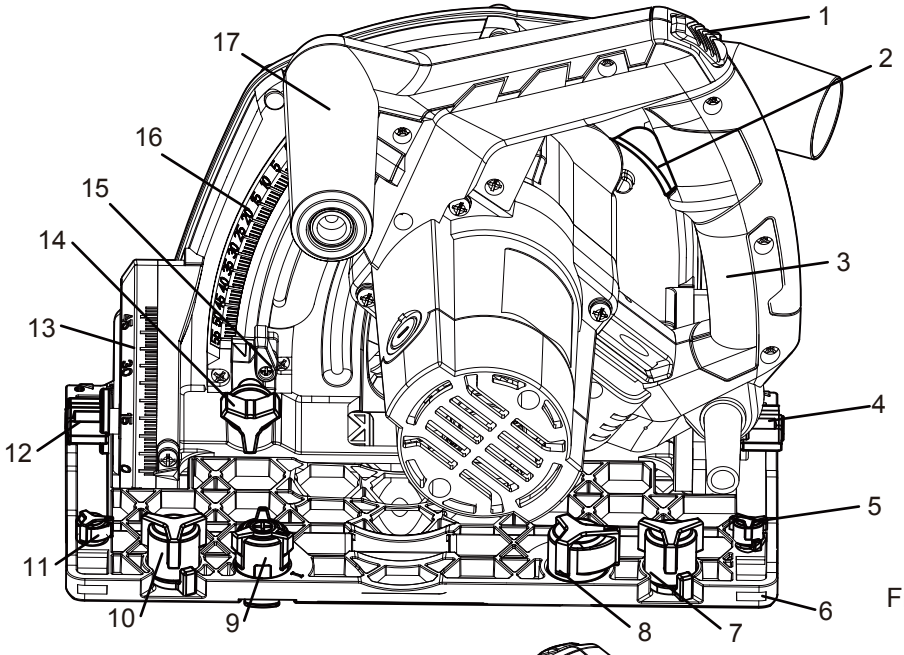



Fig. 1

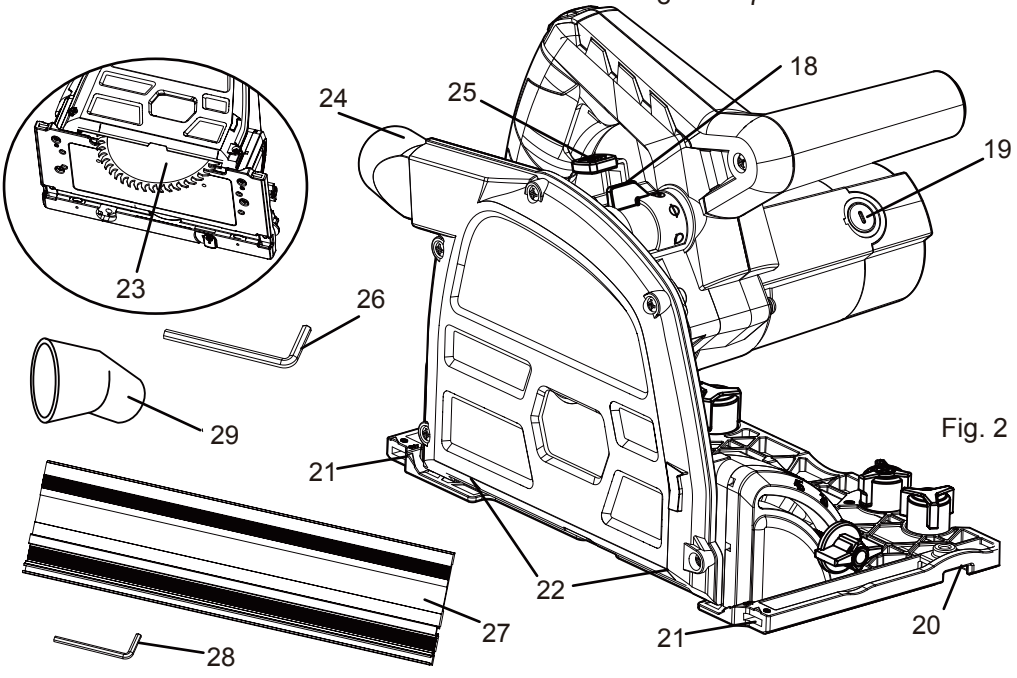



Fig. 2

1. Plunge lock button
2. ON/OFF switch
3. Main handle
4. Rear bevel lock knob
5. Rear parallel guide fixing screw(not provide)
6. Base plate
7. Rear fine adjustment knob
8. Anti-kickback knob
9. Track lock
10. Front fine adjustment knob
11. Front parallel guide fixing screw(not provide)
12. Front bevel lock knob
13. Bevel scale
14. Depth adjustment knob
15. Track compensation
16. Depth scale
17. Auxiliary handle
18. Mode selector
19. Carbon brush cap (2x)
20. Slot for track
21. Slot for Parallel Guide
22. Cutting width indicators
23. Saw blade
24. Dust extraction outlet
25. Shaft lock
26. 5mm hex key
27. 700mm track
28. 3mm hex key
29. connection adapter

## Technical Specifications

Rated input: 220-240V~50Hz
Rated power: 1200W
No load speed: 6000/min
Mitre setting: 0°-48°
Saw blade dimensions: Ø165x2.2x20mm
Max. cutting depth with track: 54mm at 90°
Max. cutting depth without track: 59mm at 90°
Max. cutting depth with track: 38mm at 45°
Max. cutting depth without track: 42mm at 45°
Protecting rating: IPX0
Protecting class: II
Net weight: 5.4kg
Noise date & vibration level
> Noise pressure level ($L_{PA}$) 92 dB(A) ($K_{PA}$: 3 dB)
> Sound power level ($L_{WA}$): 103 dB(A) ($K_{WA}$: 3 dB)
> Hand-Arm-Vibration hand grip: 6m/s$^2$(K= 1.5m/s$^2$)

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

The declared vibration total value may also be used in a preliminary assessment of exposure.

**WARNING ! The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and of the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).**

## Safety warnings

**WARNING**: **Read all safety warnings and instructions, illustrations and specifications provided with this power tool.** *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.* **Save all warnings and instructions for future reference.**

*The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.*

**1) Work area safety**

**a) Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*

**b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*

**c) Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

**2) Electrical safety**

**a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*

**b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk shock if your body is earthed or grounded.*

**c) Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*

**d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*

**e) When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

**f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

**3) Personal safety**

**a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personalinjury.*

**b) Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

**c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.***Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

**d) Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

**e) Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpectedsituations.*

**f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*

**g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*

**h) Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

**4) Power tool use and care**

**a) Do not force the power tool. Use the correct power tool for your application** *The correct power tool will do the job better and safer at the rate for which it was designed.*

**b) Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must berepaired.*

**c) Disconnect the plug from the power source and/or remove the battery pack if detachable from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

**d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*

**e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

**f) Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

**g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

**h) Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

**5) Service**

**a) Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

## Cutting procedures

a) ⚠ **DANGER: Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing.** *If both hands are holding the saw, they cannot be cut by the blade.*

b) **Do not reach underneath the workpiece.** *The guard cannot protect you from the blade below the workpiece.*

c) **Adjust the cutting depth to the thickness of the workpiece.** *Less than a full tooth of the blade teeth should be visible below the workpiece.*

d) **Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform.** *It is important to support the work properly to minimise body exposure, blade binding, or loss of control.*

e) **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting tool may contact hidden wiring or its own cord.** *Contact with a "live" wire will also make exposed metal parts of the power tool "live" and could give the operator an electric shock.*

f) **When ripping, always use a rip fence or straight edge guide.** *This improves the accuracy of cut and reduces the chance of blade binding.*

g) **Always use blades with correct size and shape (diamond versus round) of arbour holes.** *Blades that do not match the mounting hardware of the saw will run off-centre, causing loss of control.*

h) **Never use damaged or incorrect blade washers or bolt.** *The blade washers and bolt were specially designed for your saw, for optimum* performance and safety of operation.

## Further safety instructions for all saws

## Kickback causes and related warnings:

- Kickback is a sudden reaction to a pinched, jammed or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;
- When the blade is pinched or jammed tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a) **Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** *Kick back could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.*

b) **When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** *Investigate and take corrective actions to eliminate the cause of blade binding.*

c) **When restarting a saw in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged into the material.** *If a saw blade binds walk up or kickback from the workpiece as the saw is restarted.*

d) **Support large panels to minimise the risk of blade pinching and kickback.** *Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.*

e) **Do not use dull or damaged blades.** *Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.*

**f ) Blade depth and bevel adjusting locking levers must be tight and secure before making the cut.** *If blade adjustment shifts while cutting, it may cause binding and kickback.*

**g) Use extra caution when sawing into existing walls or other blind areas.** *The protruding blade may cut objects that can cause kickback.*

## Safety instructions for plunge type saws

### Guard function

**a) Check the guard for proper closing before each use. Do not operate the saw if the guard does not move freely and enclose the blade instantly. Never clamp or tie the guard so that the blade is exposed.** *If the saw is accidentally dropped, the guard may be bent. Check to make sure that the guard moves freely and does not touch the blade or any other part, in all angles and depths of cut.*

**b) Check the operation and condition of the guard return spring. If the guard and the spring are not operating properly, they must be serviced before use.** *The guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.*

**c) Assure that the base plate of the saw will not shift while performing a "plunge cut".** Blade shifting sideways will cause binding and likely kick back.

**d) Always observe that the guard is covering the blade before placing the saw down on bench or floor.** *An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.*

## Symbols


To reduce the risk of injury, the user must read and understand this manual before using this product.


Wear eye protection.


Wear ear protectors. Exposure to noise can cause hearing loss.


Wear respiratory protection.


Always wear protective gloves.


Double insulation.


Conforms to relevant safety standards.


Do not dispose of old appliances with domestic rubbish.


Do not touch and keep the hand away from the movable parts such as saw blade.


For cutting wood.

yyWxx: Manufacturing code. Year (aa) and week (Wxx) of production.

MSPS1200: Designation of the tool(MS-MAC ALLISTER, PS- Plunge Saw)

1200=Power(Watts)

## ADDITIONAL SAFETY WARNING FOR CONSTRUCTION DUST

The updated Control of Substances Hazardous to Health Regulations 1st October 2012 now also targets to reduce the risks associated with silica, wood and gypsum dusts.
Construction workers are one of the at-risk groups within this because of the dust that they breathe: silica dust is not just a nuisance; it is a real risk to your lungs!
Silica is a natural mineral present in large amounts in things like sand, sandstone and granite. It is also commonly found in many construction materials such as concrete and mortar. The silica is broken into very fine dust (also known as Respirable Crystalline Silica or RCS) during many common tasks such as cutting, drilling and grinding
Breathing in very fine particles of crystalline silica can lead to the development of:
Lung cancer Silicosis Chronic Obstructive Pulmonary Disorder (Chronic obstructive pulmonary disease (COPD) And breathing in fine particles of wood dust can lead to the development of Asthma The risk of lung disease is linked to people who regularly breathe construction dust over a period of time, not on the odd occasion.
To protect the lung, the COSHH Regulations sets a limit on the amount of these dusts that you can breathe (called a Workplace Exposure Limit or WEL) when averaged over a normal working day. These limits are not a large amount of dust: when compared to a penny it is tiny – like a small pinch of salt:

This limit is the legal maximum; the most you can breathe after the right controls have been used.
How to reduce the amount of dust?
1 Reduce the amount of cutting by using the best sizes of building products.
2 Use a less powerful tool e.g. a block cutter instead of angle grinder.
3 Using a different method of work altogether – e.g. using a nail gun to direct fasten cable trays instead of drilling holes first.

Please always work with approved safety equipment, such as those dust masks that specially designed to filter out microscopic particles and use the dust extraction facility at all time.
For more information please see the HSE website:
http://www.hse.gov.uk/construction or http://www.hse.gov.uk/pubns/cis69.pdf

 **Warning: Some dust particles created by power sanding, sawing, grinding, drill and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm.** Some examples of these chemicals are:
• Lead from lead-based paints.
• Crystalline silica from bricks and cement and other masonry products.
• Arsenic and chromium from chemically treated timber.
Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

**VIBRATION**

The European Physical Agents (Vibration) Directive has been brought in to help reduce hand arm vibration syndrome injuries to power tool users. The directive requires power tool manufacturers and suppliers to provide indicative vibration test results to enable users to make informed decisions as to the period of time a power tool can be used safely on a daily basis and the choice of tool.

SEE TECHNICAL SPECIFICATIONS IN THE INSTRUCTION MANUAL FOR THE VIBRATION LEVELS OF YOUR TOOL.

The declared vibration emission value should be used as a minimum level and should be used with the current guidance on vibration.

Calculating the actual period of the actual period off use can be difficult and the HSE website has further information.

The declared vibration emission been measured in accordance with a standardised test stated above and may be used to compare one tool with another tool.

The declared vibration emission value may also be used in a preliminary assessment of exposure.

⚠ **Warning:** The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

The use the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles.

And the tool is being used as intended by its design and these instructions.

**While working with this power tool, hand/arm vibrations occur. Adopt the correct working practices in order to reduce the exposure to vibration. This tool may cause hand-arm vibration syndrome if its use is not adequately managed.**

⚠ **Warning:** Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time). Note The use of other tools will reduce the users' total working period on this tool.

Helping to minimise your vibration exposure risk. ALWAYS use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

Helping to minimise your vibration exposure risk. ALWAYS use sharp chisels, drills and blades.
Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).
Avoid using tools in temperatures of 10ºC or less. Plan your work schedule to spread any high vibration tool use across a number of days.

**Health surveillance**
All employees should be part of an employer's health surveillance scheme to help identity any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.

## Unpack

Carefully unpack and inspect your tool. Familiarize yourself with all its features and functions.
Ensure that all parts of the tool are present and in good condition. If any parts are missing or damaged, have such parts replaced before attempting to use this tool.

| | |
|---|---|
| 1x plunge saw | 1x dust connector |
| 1x 5mm hex key | 2x carbon brush |
| 2x 700mm track | 1x 3mm hex key |

## Set cutting depth

The cutting depth can be set between 0-59 mm.
For best results, less than a full blade tooth should be visible below the workpiece.
1. Loosen the depth adjustment knob (14) and slide it to the desired cutting depth according to the depth scale (16) to set the cutting depth. (Refer to Fig. 3)

**NOTE : The graduated values on the depth scale (16) apply for straight cuts (90° cut). The guide rail track compensation (15) must be tilted up when using the plunge saw without track. Only when using the plunge saw with track, the track compensation is used to compensate for the thickness of the track.**

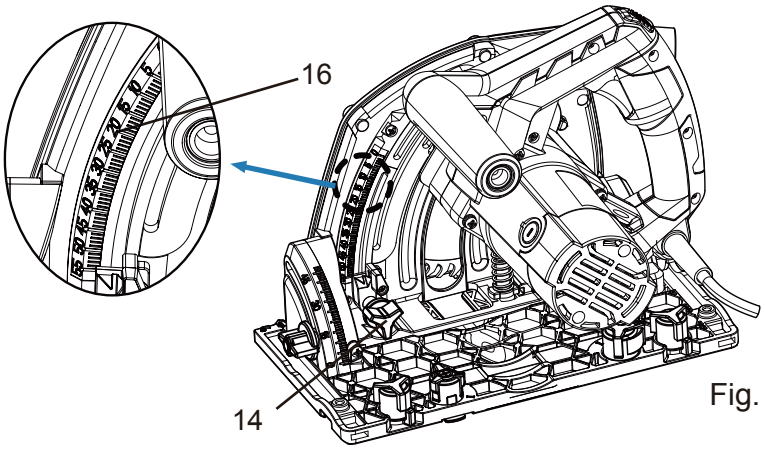



Fig. 3

**Using the track** = guide rail track compensation down.
**Not using the track** = guide rail track compensation lever up. (Refer to Fig. 4)

2. Tighten the depth adjustment knob (14). 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.

**NOTE : The When accuracy is critical, use a set square not provided to check the depth and make test cuts on a scrap piece of material.**

**NOTE : Maximum cutting depth for working without track can reach 59mm in special case if the track compensation lever is set in "down" position. The real cutting depth is then 5mm more than the indicated value on the scale. This setting shall only be applied if the ordinary maximum cutting depth for working without track (54mm) shall be exceeded on demand.**

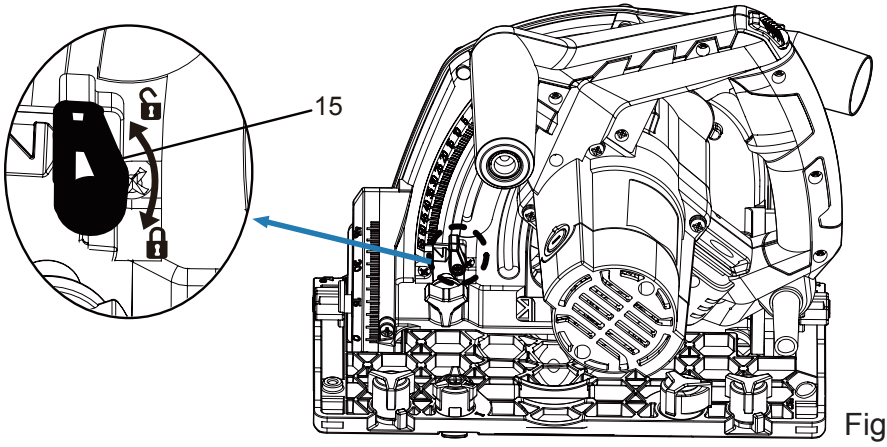



Fig. 4

## Set cutting angle

The plunge saw can be swiveled between 0° and 48°:
1. Loosen the front and rear bevel lock knobs (4 and 12).
2. Pivot the body of the saw until the bevel angle pointer adjacent to the front bevel lock aligns with the bevel angle required on the bevel scale(13).
3. Tighten the bevel lock knobs firmly.
4. The saw is now secured ready for cutting at the bevel angle required.

**NOTE : When accuracy is critical, use a set square (not provided) to check the angle and make test cuts on a scrap piece of material.**

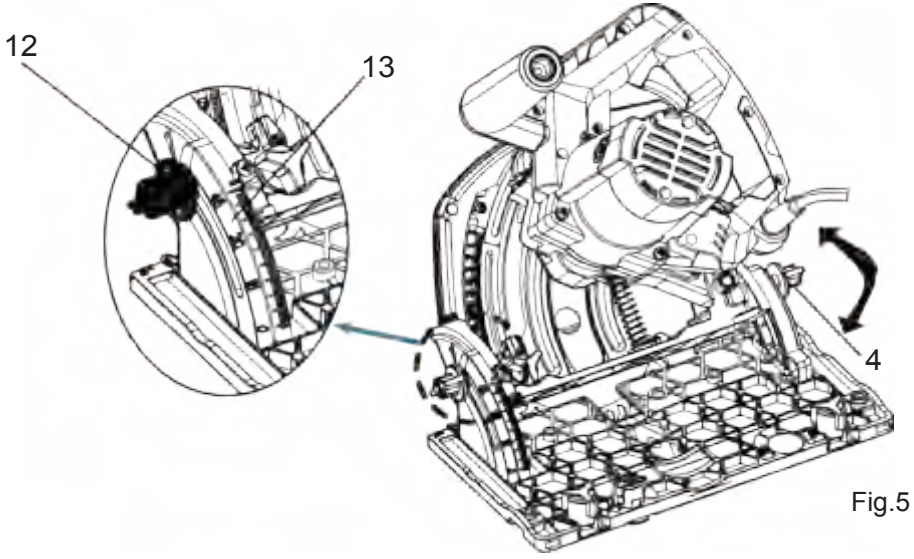



Fig.5

## Track pack

**The track pack includes:**

- 2 x 700mm lengths of track for optimum performance of the plunge saw
- 2 x track connectors (Note: each connector consists of two parts)
- 1 x 3mm hex key

### Connecting rods for track

**NOTE : Before first use and from time to time as needed, apply a light spray of lubricant so that the saw will glide smoothly along the length of the track. Do not allow dust, shavings or other debris to build up on the track.**

Using the track connectors supplied in the track pack, you can connect lengths of track for long cuts. Each track connector (d) comprises a spacer (a) and an expansion bar(b) with four hex screws (c).
Assemble each connector by fitting the spacer (a) to the side of the expansion bar (b)opposite the heads of the hex screws as the Fig. 6 shown.

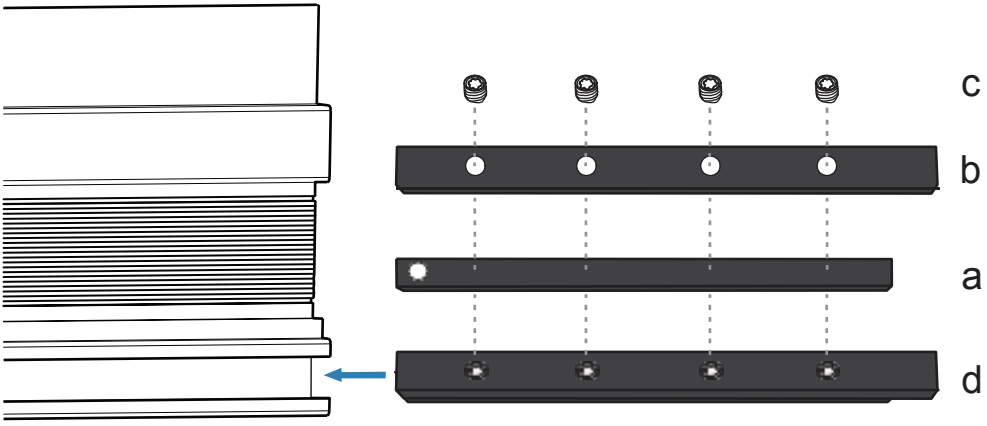



Fig. 6

1. Thread one track connector into the upper clamp channel (on the face of a length of the track).
2. Ensure that the heads of the hex screws are facing away from the track and therefore accessible.
3. Position the connector half way into the channel, so that one of hex screw is within the channel and exposed.

4. Tighten the hex screw clockwise to secure the half of the connector connect to the track. (Refer to Fig. 7)
5. Now repeat this procedure, threading the second connector into the lower clamp channel (on the underside of the track).
6. Again, ensure the heads of the hex screws are accessible, and secure the second connector in position by tightening the hex screw anti-clockwise (Refer to Fig. 7).

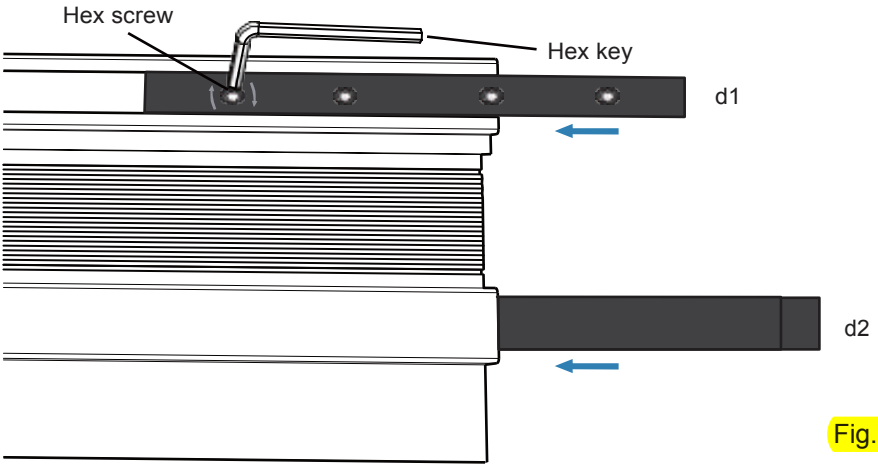



Fig. 7

7. Guide the free ends of the two track connectors into the clamp channels of the second track.(Refer to Fig. 8)

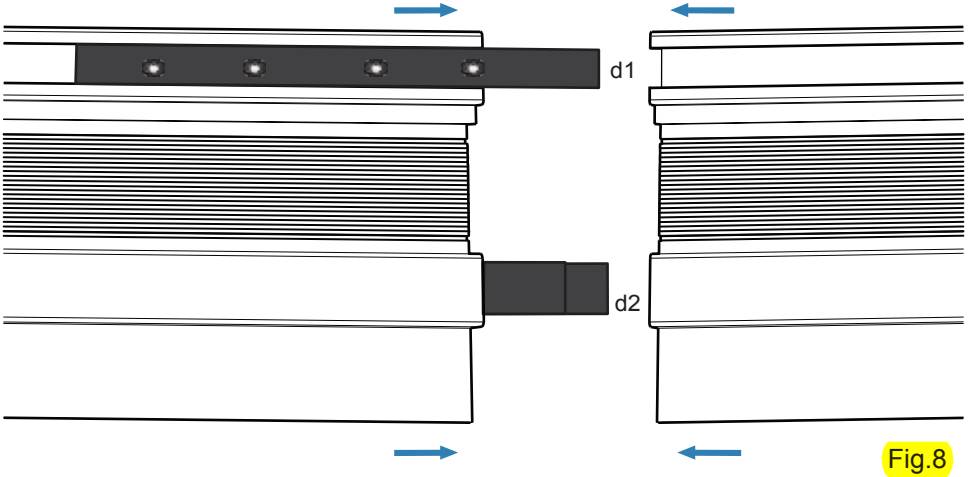



Fig.8

8. Tighten the hex screws on the face and underside of the second track and ensure all hex screws fixed firmly. (Refer to Fig. 9 )

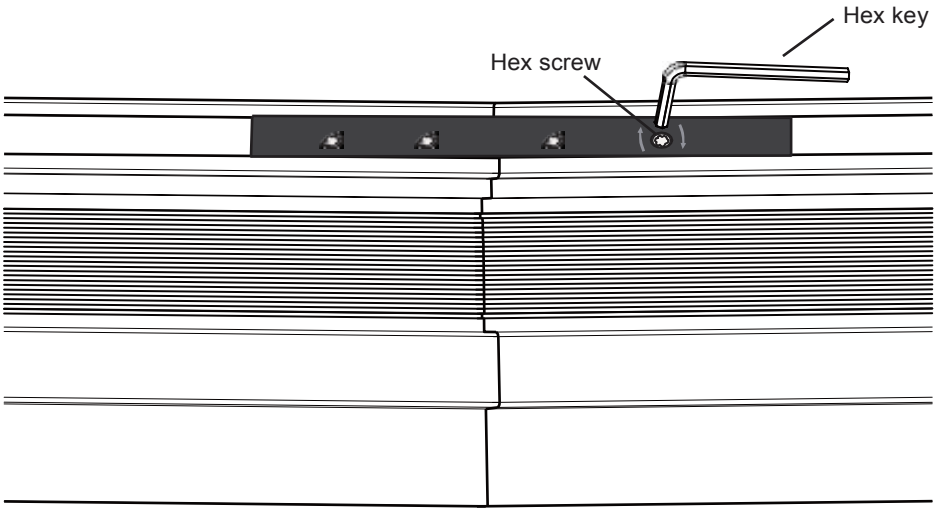



Fig. 9

## Switch ON/OFF the plunge saw

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

**NOTE :** Pressing the plunge lock button (1) unlocks the plunge cut mechanism at the same time, so that the motor can be moved downwards. The saw blade emerges from the protective cover. When lifting the saw the motor slides back into the initial position.

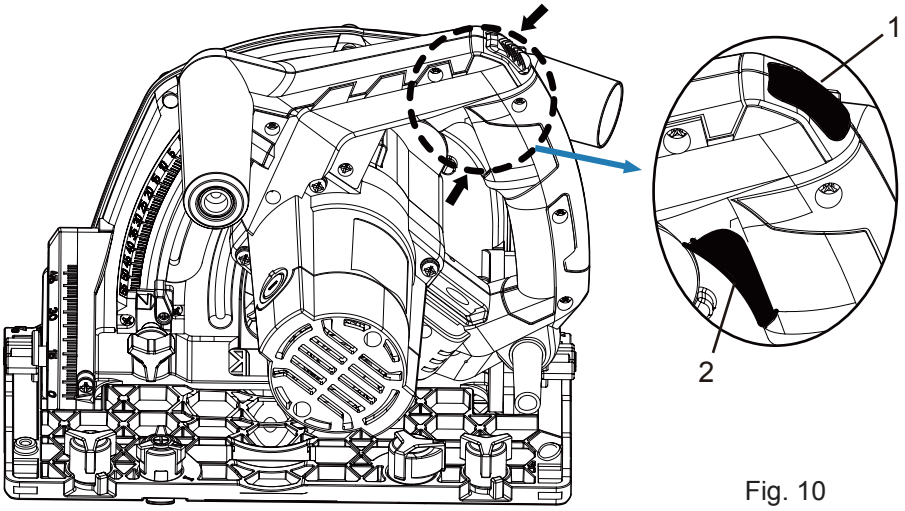



Fig. 10

**Determine cutting line**

Two cutting lines are marked on the base plate (6) of the plunge saw.

1. Align position A (0 mark on base plate) at the front of the base plate with your marked cutting line when using the saw without track for straight cuts. For 45° mitre cuts align position B (45 mark on base plate) at the front of the base plate with your marked cutting line.
2. When using the saw with track always align position A (0 mark on base plate) at the front of the base plate with your marked cutting line for straight cuts and 45° mitre cuts.

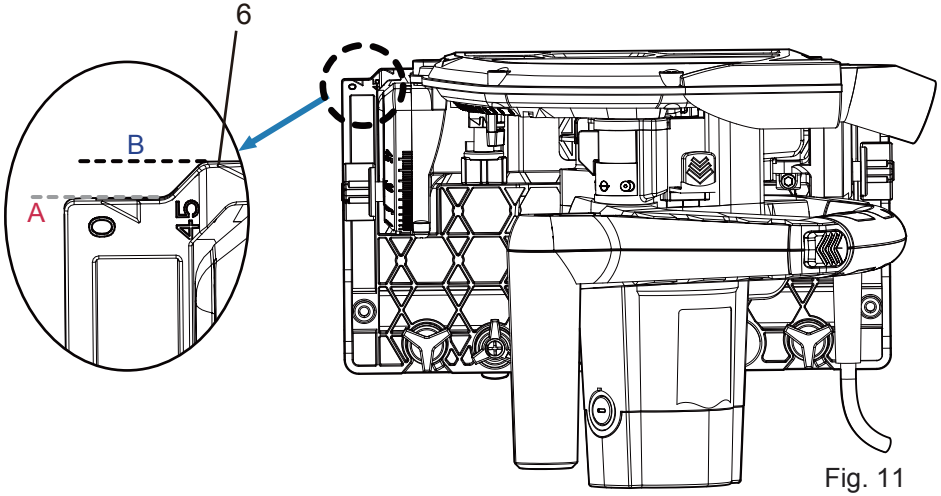



Fig. 11

# In more detail…

Product **functions** 21

**Cleaning** and **maintenance** 33

**Trouble** shooting 38

Recycling 38

**Guarantee** 39

**EC** declaration **of** conformity 40

## Intended use

This plunge saw MSPS1200 is intended to cut wood and similar wood materials. With compatible special saw blades(not provided) the plunge saw can also be used to cut aluminum.
The plunge saw is only to be used with a specifically designed track. Installation in a different or homemade track or workbench can cause serious accidents.

## Operation

**Operation of the plunge saw without track**

· Before each use check the proper function of all installation fixtures of the plunge saw and only use the 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.

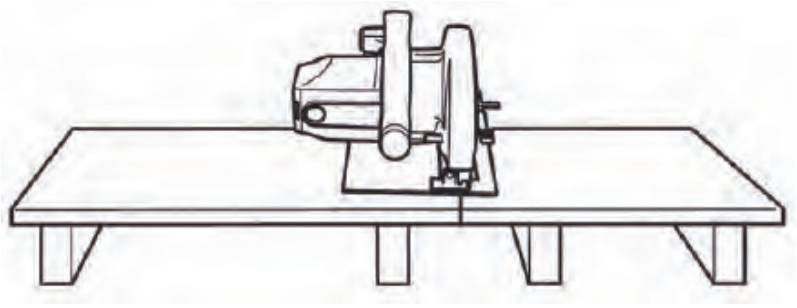


Fig. 12

## Mode selection

The mode selector barrel enables fast and easy setting of the major functions simply by rotating the mode selector (18) to the required mode of operation:

In more detail...

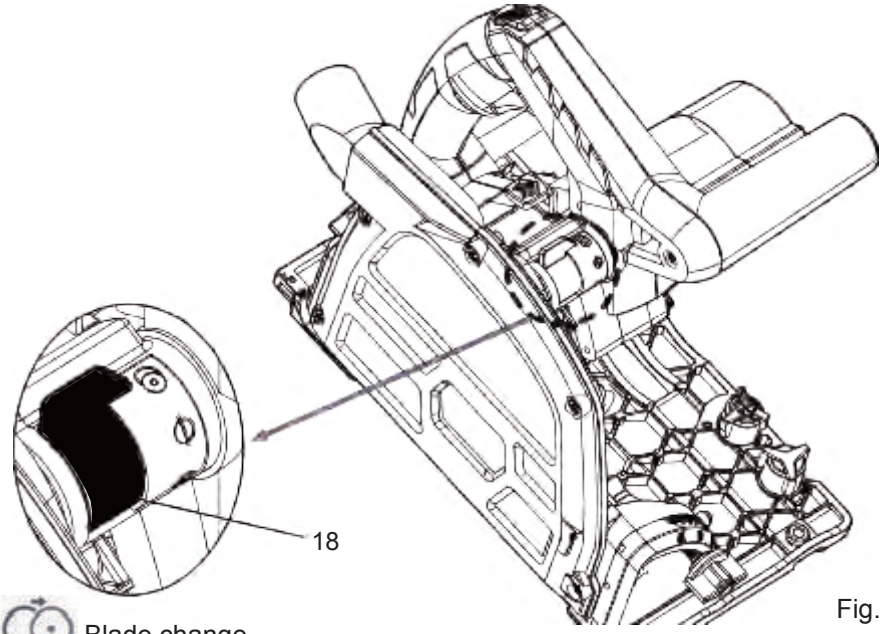



Fig. 13

Blade change

Free plunge, for general cutting

Scribe, for a scribe cut of 2.5mm

**Correct working with the plunge saw**

- Always hold the plunge saw with both hands at the main handle (3) and auxiliary handle (17).
- Always guide the plunge saw forward. Never draw the plunge saw back!
- Place the plunge saw with the front part of the base plate (6) 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.

**Dust extraction**

When using tool, some material can produce dust. The dust will cause severe damage to the health of the operator and the people around you. When in use, please wear protective mask, let the people around you to stay away from work area.

The saw is fitted with a 38mm dia. dust extraction outlet (24) suitable for use with a dust collection bag (not provided) or for connection to a vacuum system.

Put the connection adapter (29) onto the dust extraction outlet (24) and adjust it to a suitable position which will prevent wood chips and dust being directed at the body of the user.

**NOTE : Check the adapter connects firmly before using the vacuum cleaner.**
**Attach a vacuum pipe(a) to the universal vacuum adaptor to keep the work environment clear of dust.**
**The adaptor can be rotated 360° to the most convenient position.**

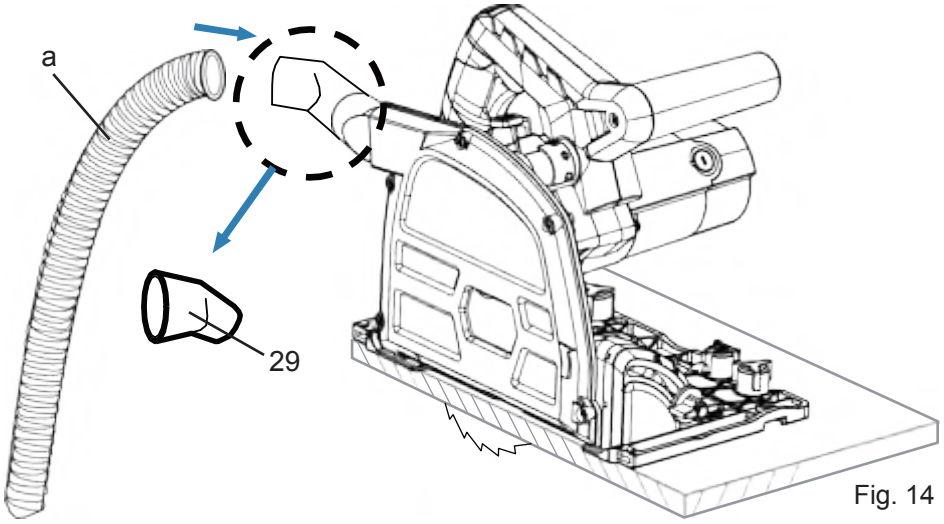


Fig. 14

**Marked cutting**

1. Turn the mode selector (18) to marked cut function . ( Refer to page 21 "Mode selection" section)
2. Press the plunge lock button (1) 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). (Refer to page 19 “Determine cutting line”section)**

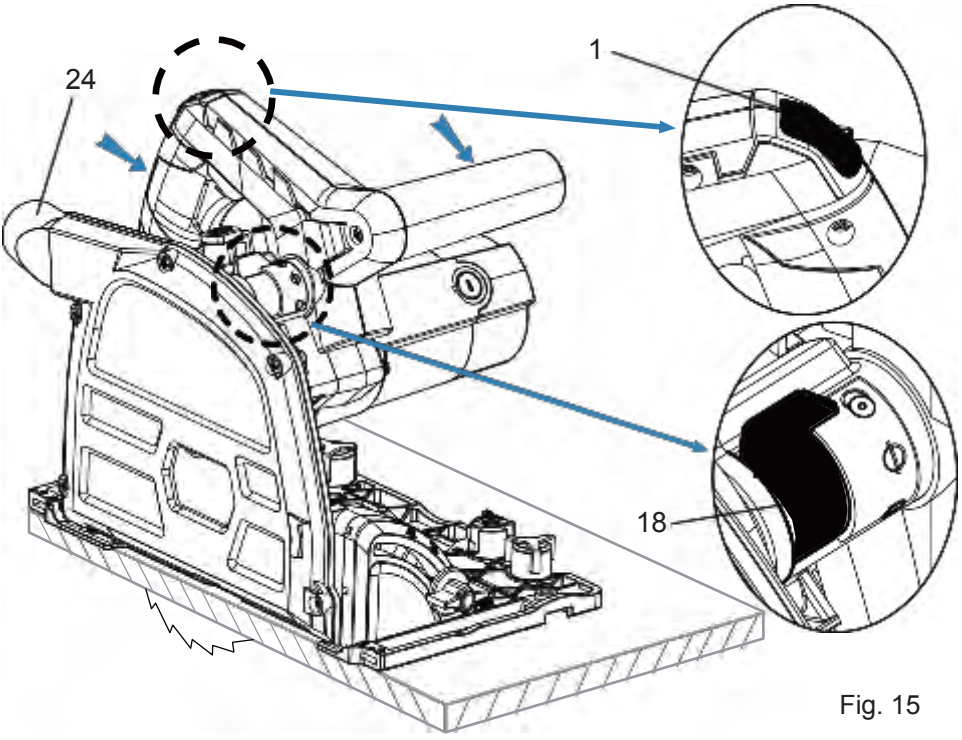



Fig. 15

**Setting scribe mode**

Scribe mode locks the depth of cut at 2.5mm. An initial scribe cut helps to prevent friction on the blade, particularly when deep plunge cuts are required. It is also useful for the initial cut on veneered or melamine laminates.

- Rotate the mode selector (18) to scribe position . (Refer to page 21 “Mode selection” section)

- The plunge depth is now locked so that the blade cannot be plunged deeper than 2.5mm.

**Straight cut (90°cut)**

1. Loosen the front and rear bevel lock knobs (4 and 12) and swivel the saw to 0 ° position on the scale. Tighten the bevel lock knobs again. (Refer to page 15 "Set cutting angle"section)
2. Rotate the mode selector (18) to free plunge position or scribe mode for a scribe cut. (Refer to page 21 "Mode selection" section)
3. Set the desired plunge depth. Ensure that the track compensation (15) is up when using the saw without track. (Refer to page 13"Set cutting depth" section)
4. To switch on the saw press the plunge lock button (1) and the ON/OFF switch (2) and push the motor down. Guide the saw forward to cut.
5. After completing the cut, release the ON/OFF switch and allow the blade to come to a complete stop before removing the saw from the workpiece.

**NOTE : When operating the plunge saw at 90 , the mininum distance between the tool and wall or workpiece perpendicular plane is 16mm. (see Fig. 16)**

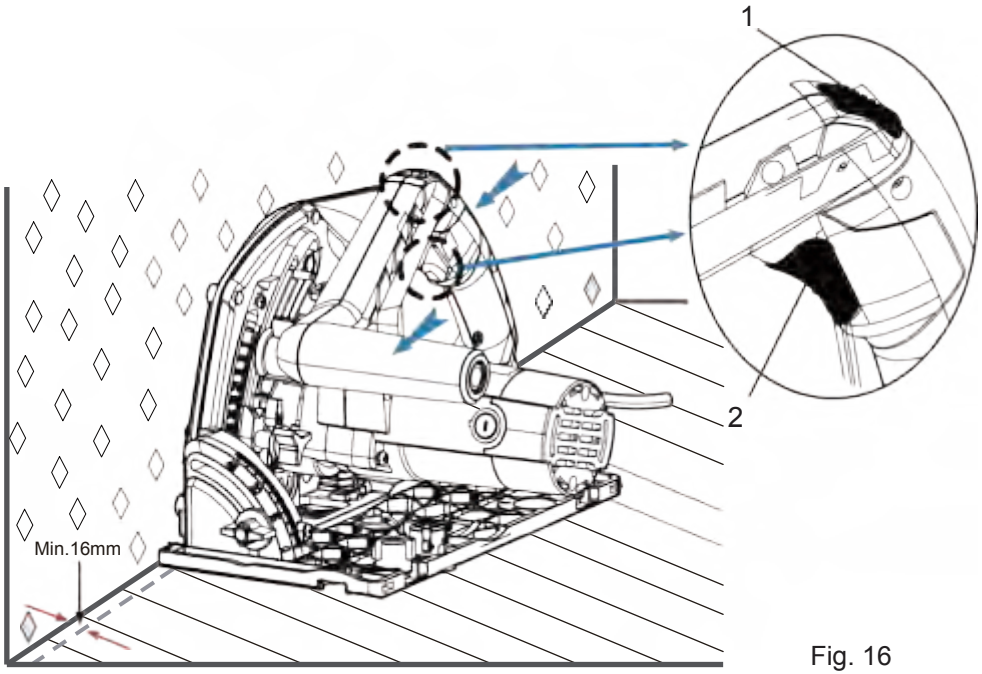



Fig. 16

In more detail...

In more detail...

**Mitre cut (Up to 48°)**

1. First loosen the front and rear bevel lock knobs (4 and 12) and swivel the plunge saw to the desired graduation. Tighten the both bevel lock knobs again. (Refer to page 15 "Set cutting angle" section)
2. Set the desired plunge depth. Ensure that the guide rail track compensation (15) is in up position when using the saw without track. (Refer to page 13 "Set cutting depth" section)
3. To switch the saw on press the plunge lock button (1) and the ON/OFF switch (2). Allow the blade to reach full speed, plunge the blade to your set depth. Guide the saw forward to cut.
4. After completing the cut, release the ON/OFF switch and allow the blade to come to a complete stop before removing the saw from the workpiece.

**NOTE : The cutting width indicators(22) show the cutting path for 90° and 45° mitre cuts.**

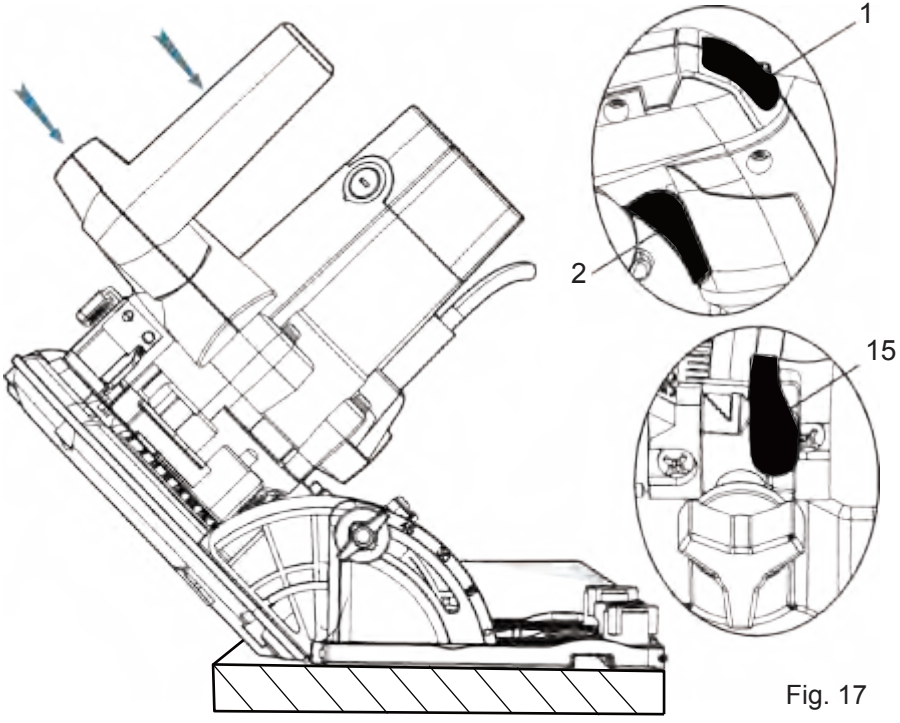



Fig. 17

## Operation of the plunge saw with track

**Track Lock**

1. Rotate the track lock (9) to the ‘0’ position (before you place the saw in the track).
2. Place the saw in the track.
3. Rotate the track lock (9) to the ‘I’ position to lock the saw in the track.

**NOTE : The track lock is required when performing bevel cuts. Set track lock(9) to the “I” position to lock and “0” position to unlock.**

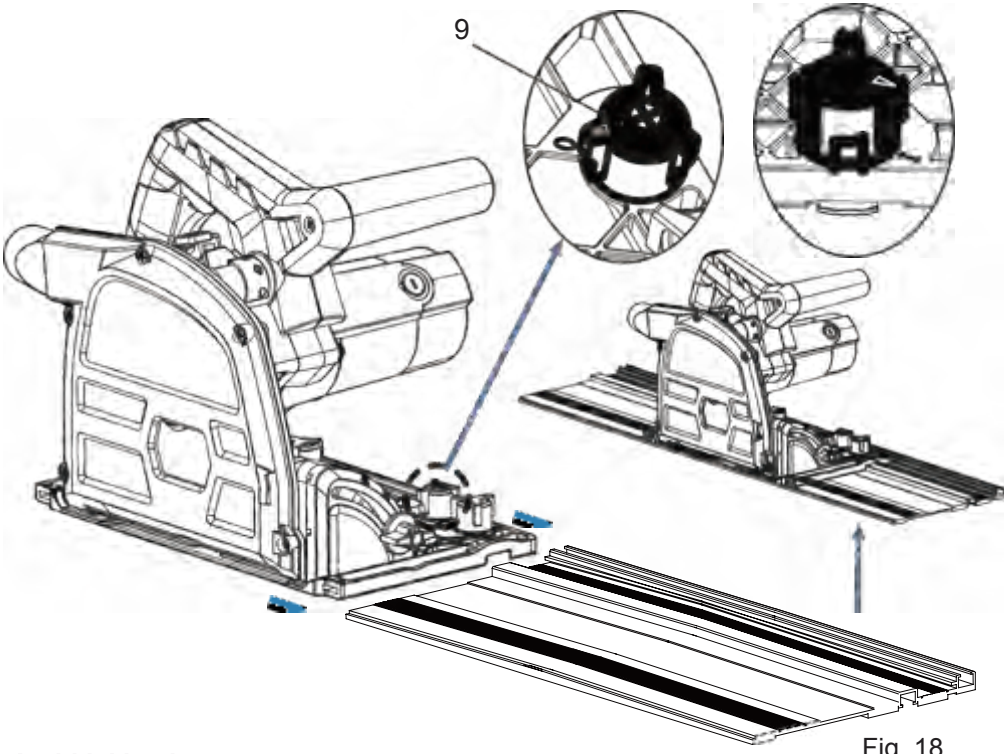



Fig. 18

**Anti-kickback**

The anti-kickback knob (8) is designed to prevent operator injuries due to kickback. The anti-kickback knob (8) 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.

In more detail...

Rotate the anti-kickback knob (8) to the '0' position (before you place the saw in the track). (Refer to Fig. 19)

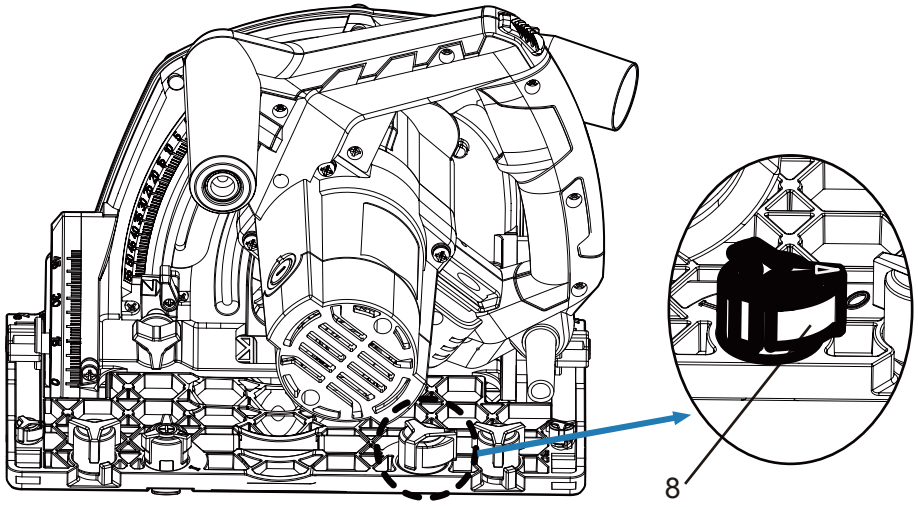



Fig. 19

**NOTE : When you slide the saw onto the guide rail of the track,the anti-kickback feature is automatically engaged.(Refer to Fig. 20)**

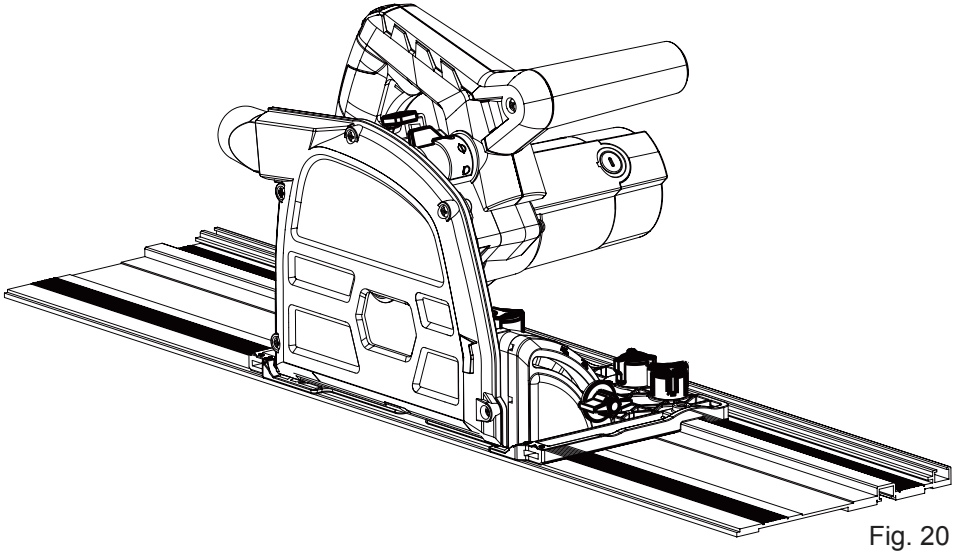


Fig. 20

**NOTE : If kickback does occur, check that the track is not damaged before continuing with the cut.**

### Using the fine adjustment knobs

The fine adjustment knobs (7 and 10) enable you to remove excessive play between the track and the saw to ensure cutting accuracy as the saw moves along the track.

1. Loosen the fine adjustment knobs (7 and 10).
2. Place the saw in the track.
3. Adjust the cam levers (A) so that they remove excessive play, then re-tighten the fine adjustment knobs to secure the cam levers (A) in position.

**NOTE : The cams(B) are fully engaged when the cam levers(A) are at the rear of their slots.**

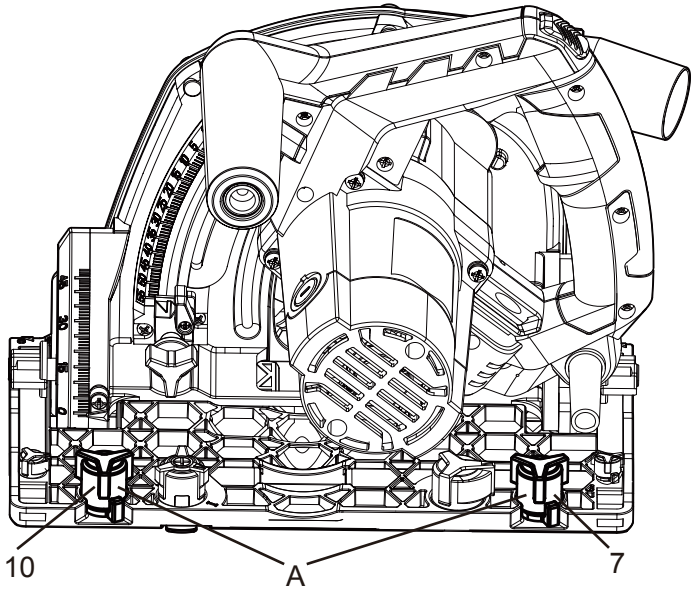



Fig. 21

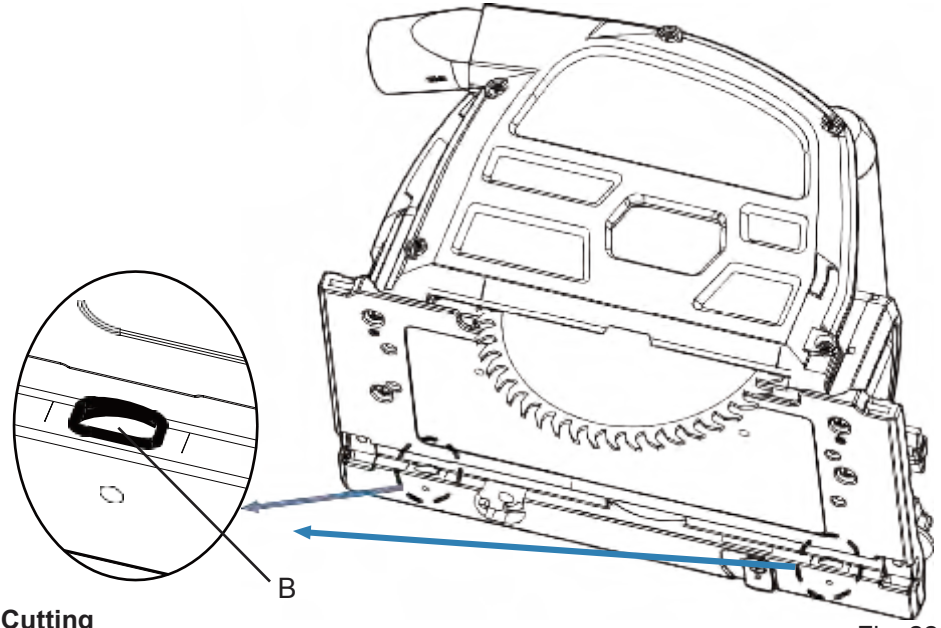



Fig. 22

**Cutting**

IMPORTANT

- Check that the workpiece and track are properly supported and secured so that movement cannot occur whilst the saw is in operation.
- Always hold the machine with both hands using the main handle (3) and auxiliary handle (17).
- Always push the saw forwards. NEVER pull the saw backwards towards you.
- Wear all safety equipment required to use this tool. See 'Safety' section.
- Ensure that the guide rail track compensation (15) is down when using the saw with track.

**Making plunge cuts**

1. For a straight cut first loosen front and rear bevel lock knobs (4 and 12) and swivel the plunge saw to 0° position on the scale. Tighten the front and rear bevel lock knobs again. (Refer to page 13 "Set cutting depth" and page 15 "Set cutting angle" section)
2. Rotate the mode selector (18) to free plunge position or scribe mode for a scribe cut. (Refer to page 21 "Mode selection" section)
3. Set the desired plunge depth. Ensure that the guide rail track compensation (15) is down. (Refer to page 13 "Set cutting depth" and section)
4. Check that the track lock (9) and anti-kickback knob (8) are in the '0' position.
5. Engage the front of the saw in the track.

6. Hold the saw firmly with both hands, press the plunge lock button (1) and the ON/OFF switch (2).
7. Allow the blade to reach full speed, then pivot the saw forward to plunge the blade into the workpiece to the set depth.
   During first use the rubber lip is sawn off and thus splitter protection is guaranteed up to the saw blade.
8. Push the saw forward along the track to engage the blade with the workpiece and start the cut.
9. Maintain a consistent feed rate - too fast may put excessive strain on the motor. Avoid any sudden movements of the saw.
10. Make your cut, again using the cutting width indicators as a guide to when to raise the saw from the workpiece.
11. After completing the cut, release the ON/OFF switch and allow the blade to come to a complete stop before removing the saw from the track.

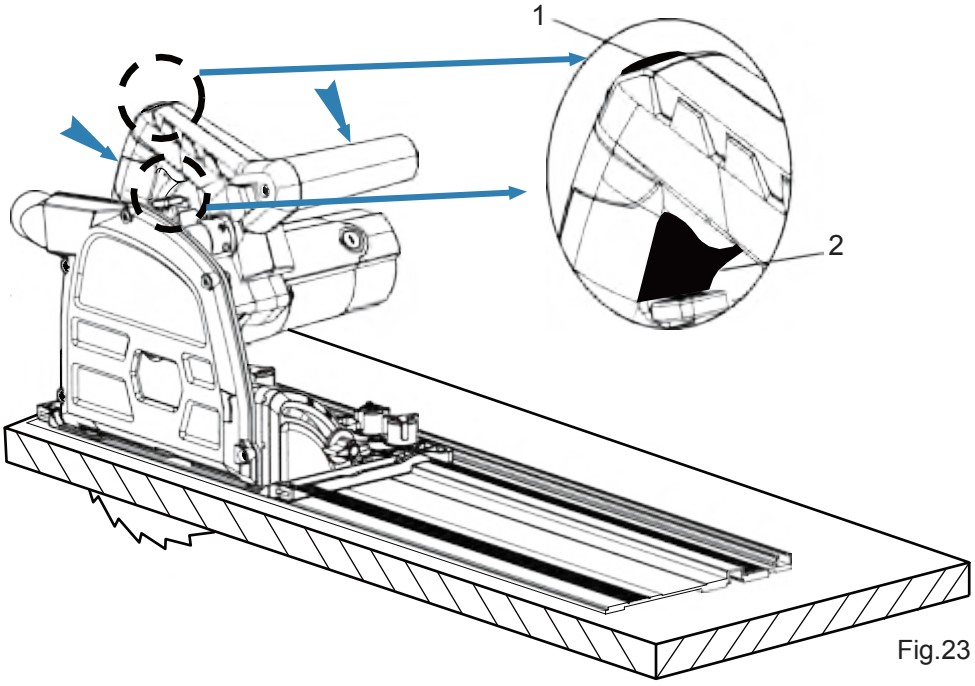


Fig.23

**With the track(0-48° )**

IMPORTANT: When making bevel cuts it is essential to lock the saw in the track.
For a bevel cut, lock the saw to the track by rotating the track lock (9) to the 'I' position and set the anti-kickback knob (8) to the 'I' position.

1. Check that the track lock (9) and anti-kickback knob (8) are in the ‘0’ position.
2. Engage the saw in the track.
3. Rotate the track lock (9) in to the ‘I’ position.
4. Loosen the front and rear bevel lock knobs (4 and 12) and swivel the plunge saw to the desired graduation. Tighten the both bevel lock knobs again. (Refer to page 15 “Set cutting angle”section)
5. Rotate the mode selector (18) to free plunge position or scribe mode for a scribe cut. (Refer to page 21 “Mode selection” section)
6. Set the desired plunge depth. Ensure that the guide rail track compensation (15) is in down position when using the saw with track. (Refer to page 13 “Set cutting depth” section)
7. To switch the saw on press the plunge lock button (1) and the ON/OFF switch (2). Allow the blade to reach full speed, plunge the blade to your set depth. Guide the saw forward to cut.
8. After completing the cut, release the ON/OFF switch and allow the blade to come to a complete stop before removing the saw from the track.

**NOTE : To prevent the saw from kicking back during plunge cuts follow these steps: Hold the plunge saw in both hands and slowly lower the saw blade. The cutting width indicators(19) shows the most foremost and rearmost cutting points of the saw blade (Ø 165mm) at maximum cutting depth and when using the track.**

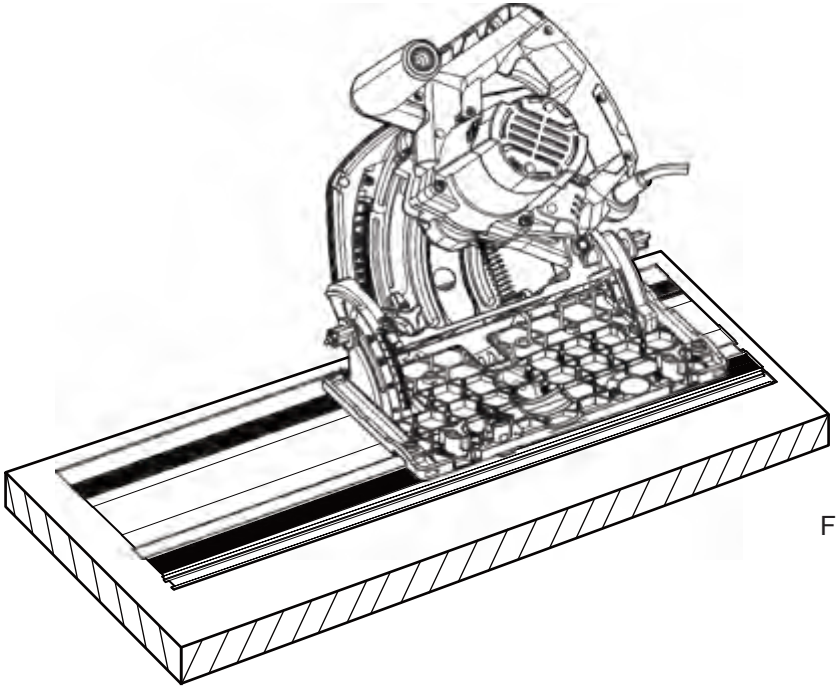


Fig. 24

# Cleaning and maintenance

Ensure that the tool is switched off and the plug is removed from the power point before making any adjustments or carrying out maintenance procedures.

**Cleaning**

- Keep the tool's air vents unclogged and clean at all times.
- Remove dust and dirt regularly with a cloth or soft brush.
- Never use caustic agents to clean plastic parts. A damp cloth is recommended. Water must never come into contact with the saw.
- Re-lubricate all moving parts at regular intervals.

**Blade maintenance**

- Regularly check that the blade is free from a build up of gum resins or sawdust. If necessary clean with an appropriate cleaning agent or multi-use lubricant spray.
- Regularly check the saw blade for flatness. Use of the saw with a buckled blade places excessive load on the motor and gearbox assembly, and may affect your warranty rights.
- Check the tungsten carbide teeth regularly for sharpness and breakages; re-sharpen or replace the blade as required. Note that when re-sharpening, the bevel angles on the front of the teeth should be retained.

**Replacing the saw blade**

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

Only use Ø165x20mm blades with a kerf between 2.2 & 3.5mm, designed for circular saws with a no-load speed rating of at least 6000/min.
Never fit high speed steel blades or abrasive discs. Fitting of other purpose or different sized blades will void the warranty.
Do not fit inferior blades. Regularly check the blade is flat, sharp and free of cracks or defects.

1. Loosen the front and rear bevel lock knobs (4 and 12) and swivel the plunge saw to 0° position before changing the saw blade. Tighten both bevel lock knobs again.

2. Set the mode selector (18) to the change saw blade icon. (Refer to “Mode selection” section)

3. Press the plunge lock button (1) down and push the motor down.
4. Press and hold the shaft lock (25) down. (Refer to Fig. 25)

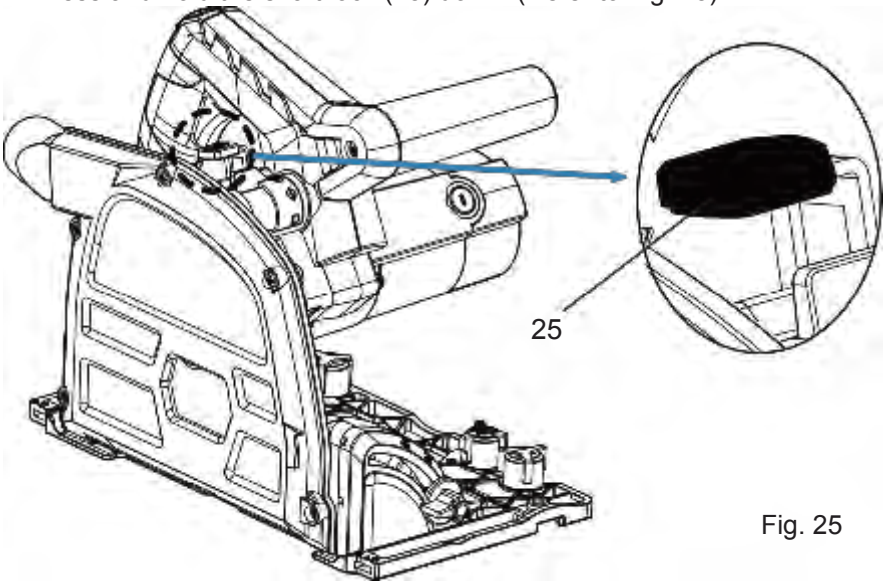



Fig. 25

5. Use a 5 mm hex key (provided with this tool) to turn the screw at the saw blade slightly clockwise or counter-clockwise until the spindle clicks into place. (Refer to Fig. 26)

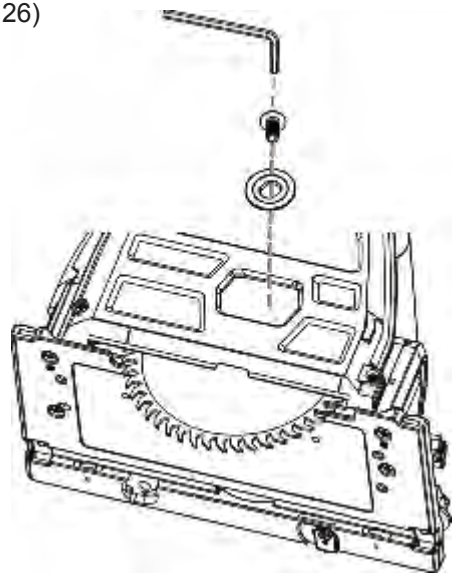


Fig. 26

6. Use the Allen key to loosen the screw counter-clockwise. Remove the outer flange and the saw blade. (Refer to Fig .26 & Fig. 27)
7. Clean both flanges and replace the saw blade.

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

8. Replace the outer flange in such way that the slaving pins sit in the recesses of the inner flange.
9. Press and hold the shaft lock and tighten the screw. Press the plunge lock button (1) for the casing to swivel up again.

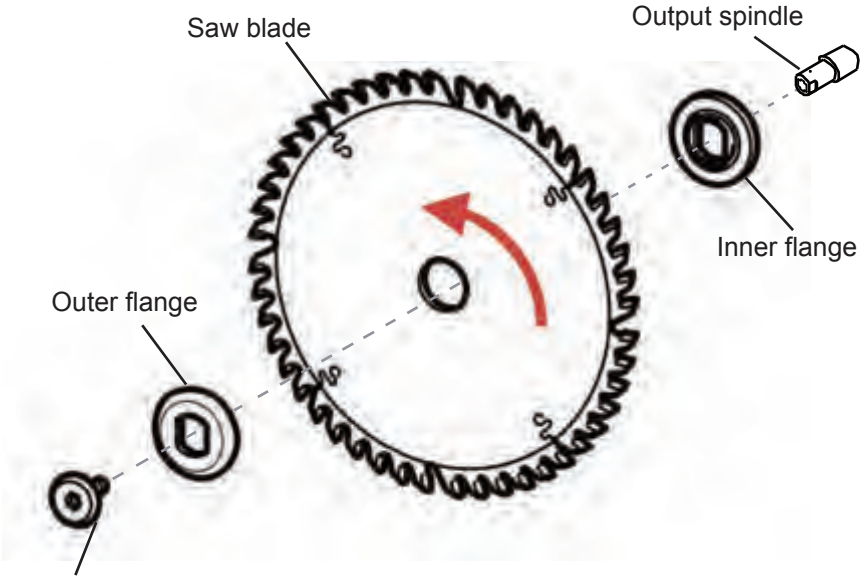



Fig. 27

**Brush replacement**

The saw is equipped with self-isolating special brushes. They are automatically isolated when worn, and the tool stops.
Check the carbon brushes regularly. Replace the carbon brushes with genuine spare parts if either brush is worn to less than 6mm long.

**NOTE : The carbon brushes must be replaced by a pair of similar carbon brush available through the after-sales service organization or qualified professional person.**

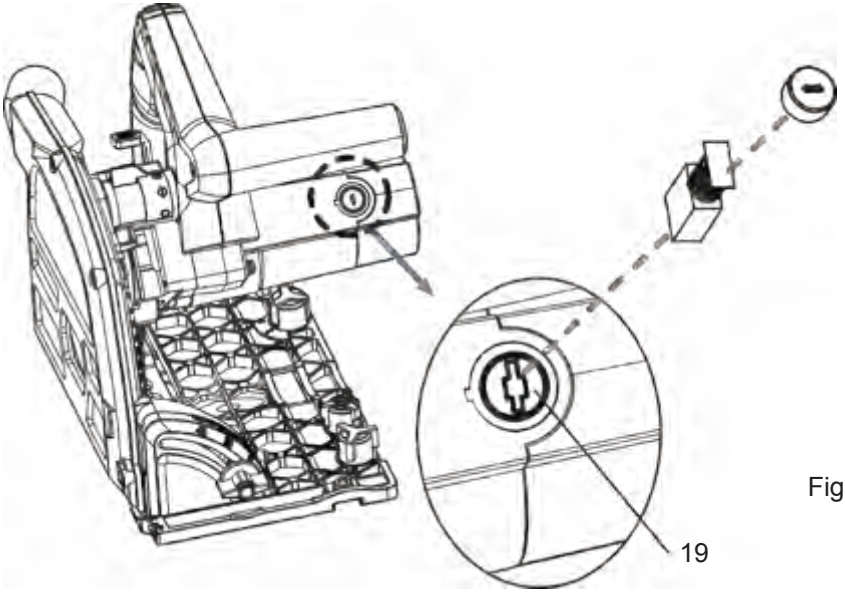



Fig. 28

## Power cord

If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to a safety hazard.

## Plug replacement

This appliance is supplied with a BS1363 3 pin plug fitted with a 13 Amp fuse. Should the fuse require replacement, it must be replaced with a fuse rated at 13Amp and approved to BS1362. If in doubt, consult a qualified electrician.
IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:
Blue – Neutral
Brown – Live
As the colours of the wire in the mains lead of this product may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows. The blue wire must be connected to the terminal marked with N or coloured black. The brown wire must be connected to the terminal marked L or coloured red.

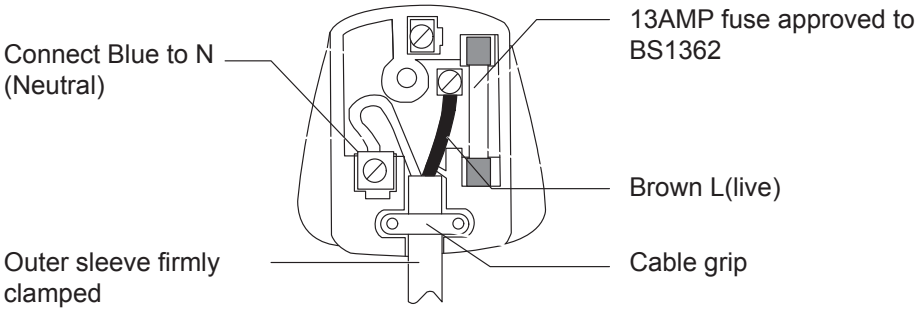



Fig. 29

**NOTE :** If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.

## Storage

1. Clean the product as described above.
2. Store the product and its accessories in a dry, frost-free place.
3. Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 10°C and 30°C.
4. We recommend using the original package for storage or covering the product with a suitable cloth to protect it against dust.

## Transportation

>Switch the product off and disconnect it from power supply before transporting it anywhere.

>Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.

> Secure the product to prevent it from slipping or falling over.

In more detail...

## Troubleshooting

| Problem | Possible Causes | Likely Solutions |
|---|---|---|
| Device does not work | 1. Cord not connected.<br>2. No power at outlet.<br>3. Internal damage or wear. (Carbon brushes or Trigger, for example.) | 1. Check that cord is plugged in.<br>2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads.<br>3. Have technician service tool. |
| Tool operates slowly. | Forcing tool to work too fast. | Allow tool to work at its own rate. |
| Excessive noise or rattling. | Internal damage or wear. (Carbon brushes or bearings, for example.) | Have technician service tool. |
| Performance decreases over time. | Carbon brushes worn or damaged. | Have qualified technician replace brushes. |
| Sawing performance is not good enough. | Saw blade is blunt? | Keep the saw blade sharp. Replace as need.. |
| | Saw blade not suitable for the materials? | |
| Saw vibrates heavily. | Saw blade distorted? | Mount the saw blade correctly. |
| | Saw blade mounted incorrectly? | |

## Recycling

Meaning of crossed – out wheeled dustbin:
Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.

# Guarantee

At MacAllister we take special care to select high quality materials and use manufacturing techniques that allow us to create ranges of products incorporating design and durability. That's why we offer a 2 year guarantee against manufacturing defects on our MacAllister power tool products.
This power tool is guaranteed for 2 years from the date of purchase, if bought in store, delivered or if bought online. You may only make a claim under this guarantee upon presentation of your sales receipt or purchase invoice. Please keep your proof of purchase in a safe place.
This guarantee covers product failures and malfunctions provided the MacAllister power tool was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with standard practice and with the information contained above and in the user manual. This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorised agent
- Cosmetic damage
- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee is limited to parts recognised as defective. It does not, in any case, cover ancillary costs (movement, labour) and direct and indirect damage.
If the MacAllister power tool is defective during the guarantee period, then we reserve the right, at our discretion, to replace the item with a product of equivalent quality and functionality or to provide a refund.
This guarantee only applies to the country of purchase or delivery and is not transferrable to any other countries. This guarantee is non-transferrable to any other person or product. Relevant local law will apply to this guarantee.
Guarantee related queries should be addressed to a store affiliated with the distributor from where you purchased the MacAllister power tool.
This guarantee is in addition to and does not affect your statutory rights relating to faulty goods as a consumer.

# EC declaration of conformity

**We**
**Kingfisher International Products Limited**
**3 Sheldon Square**
**London W2 6PX**
**United Kingdom**

**Declare that the product**
**1200W plunge saw MSPS1200**
**Serial number: from 000001 to 999999**

Complies with the essential health and safety requirements of the following Directives:
Machinery Directive 2006/42/EC
The EMC Directive 2014/30/EU
2011/65/EU Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
2012/19/EU Waste Electrical and Electronic Equipment (WEEE)

Standards and technical specifications referred to:

**EN 55014-1:2006+A1+A2**
**EN 55014-2:2015**
**EN 61000-3-2:2014**
**EN 61000-3-3:2013**
**EN 62841-1:2015**
**EN 62841-2-5:2014**

**Authorized Signatory and technical file holder**
**Signed for and on behalf of:**

**Kingfisher International Products Limited**
**3 Sheldon Square**
**London W2 6PX**
**United Kingdom**

**Lisa Davis**
**Group Quality Director**

**on: 30/06/2018**

In more detail...

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**Hersteller,Producător,Fabricante:**
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United Kingdom
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