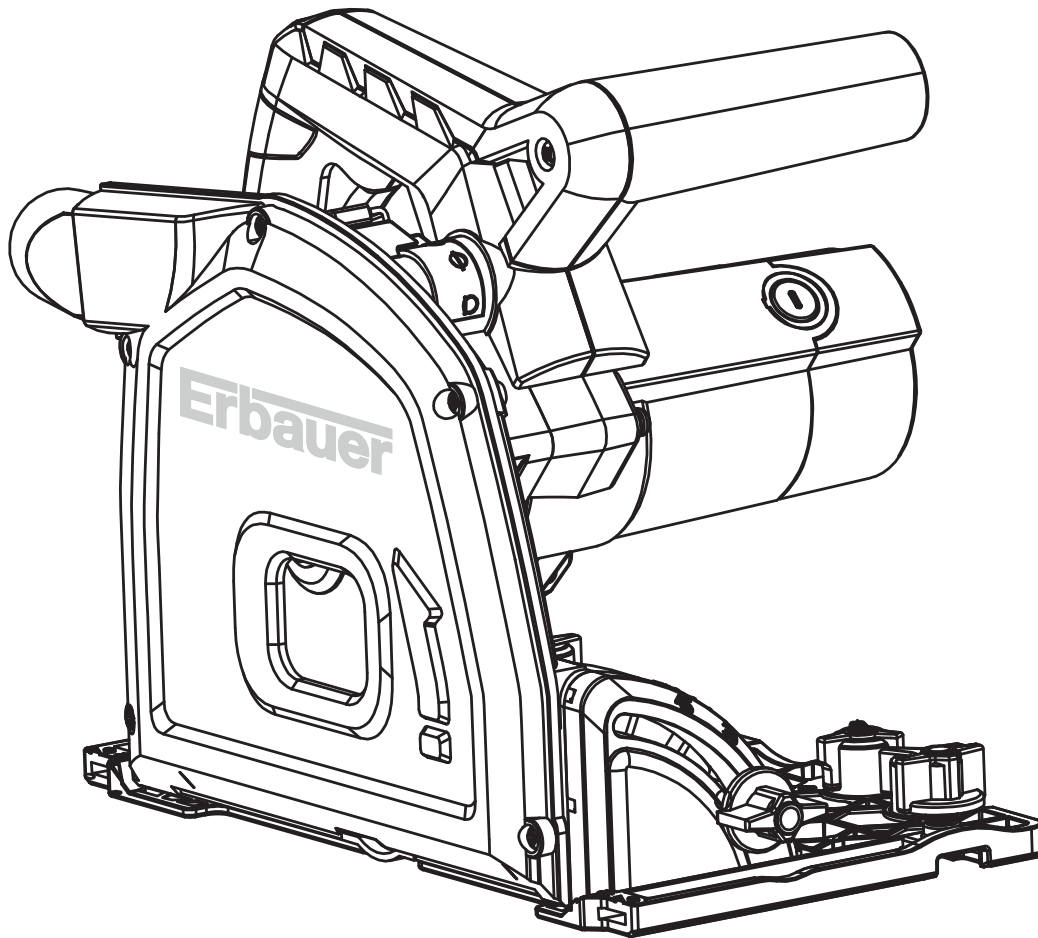




Erbauer



EAN: 3663602628255(B&Q)
5052931644452(SFD)

ERB690CSW

ORIGINAL INSTRUCTIONS V01-180630



Product description



Safety instructions



Assembly



Use



Care & maintenance



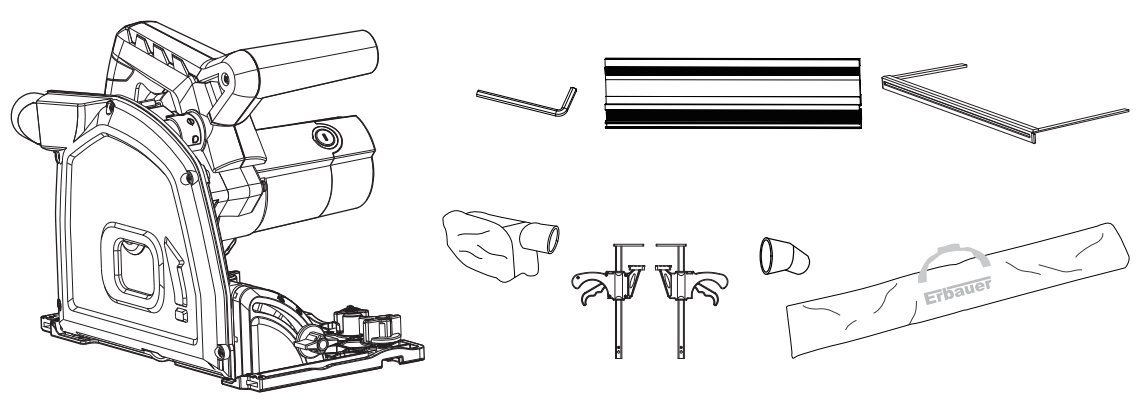
Guarantee



Declaration of Conformity



WARNING ! Please read all safety warnings carefully and be sure that they are fully understood before handling the tool.





Product description

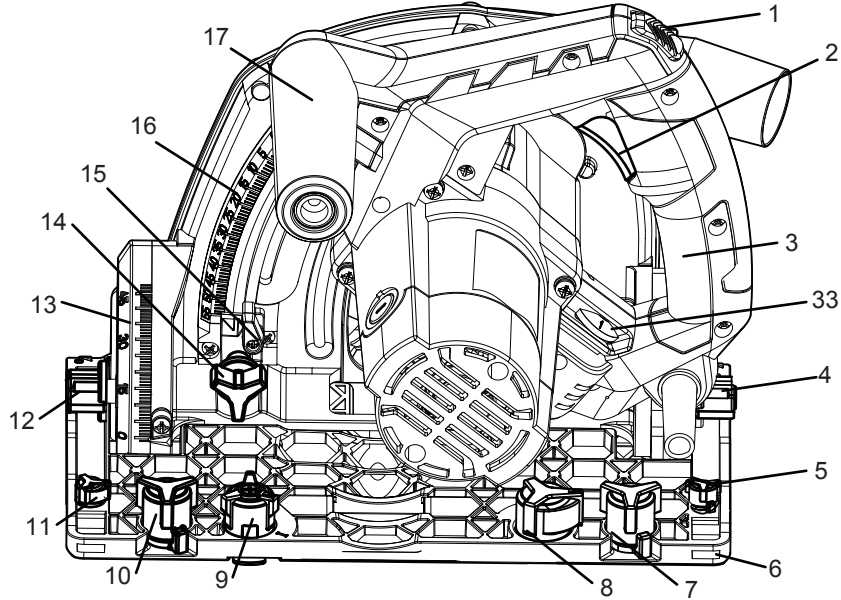


Fig. 1

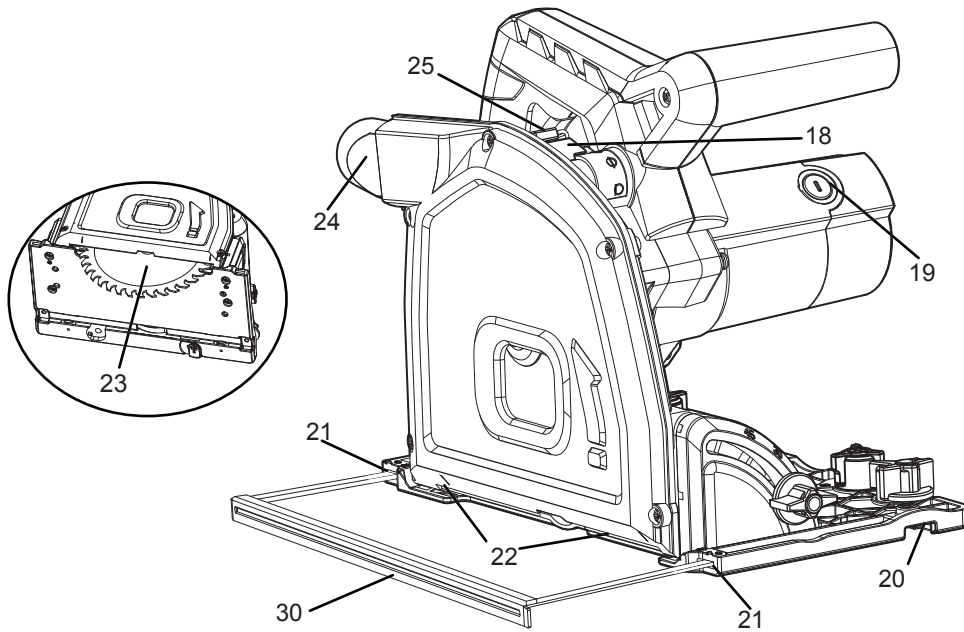
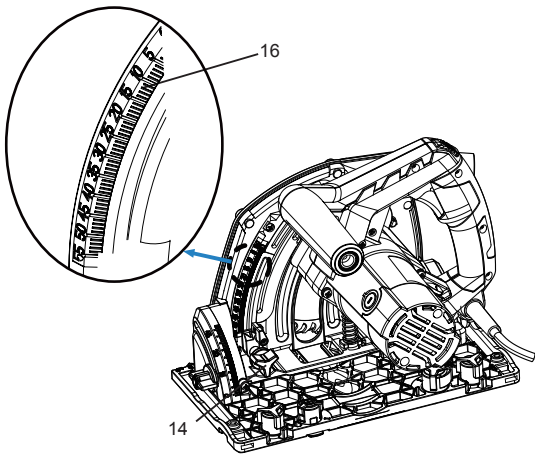
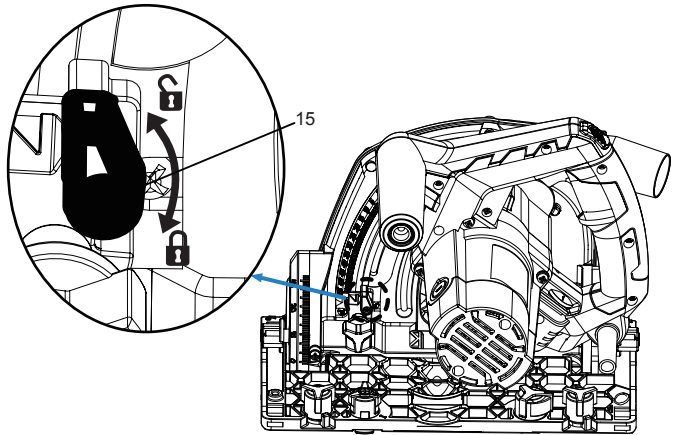


Fig. 2

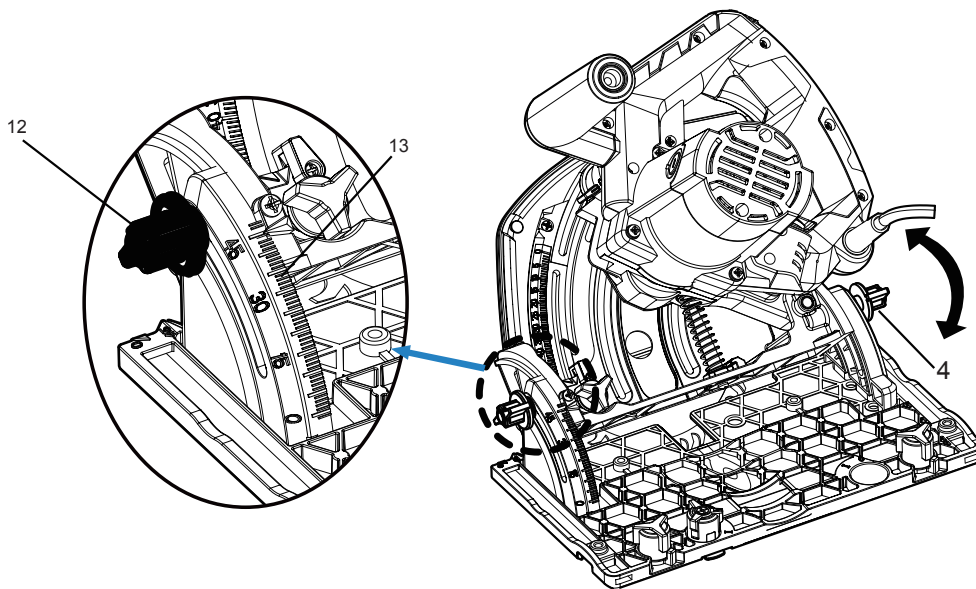
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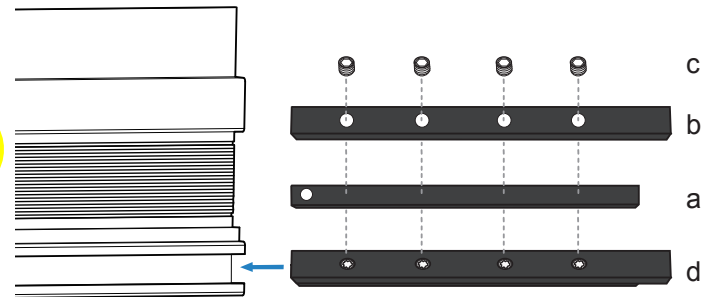
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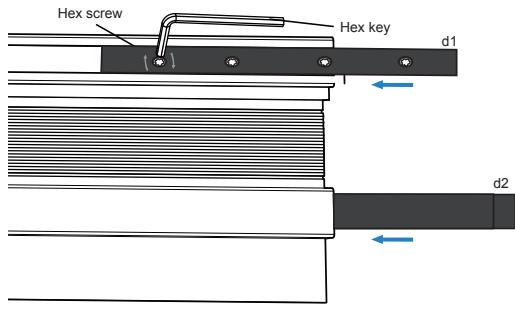
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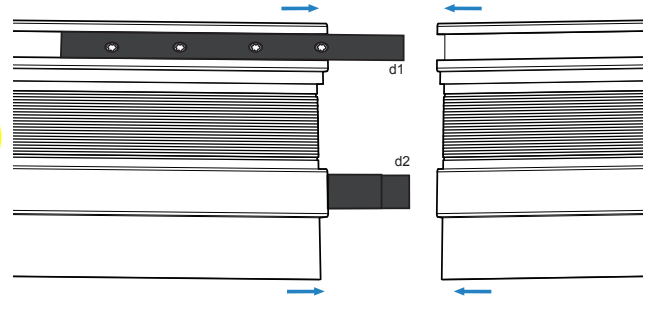
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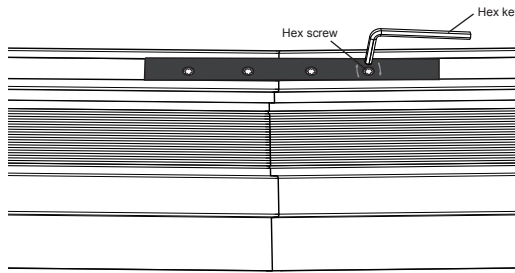
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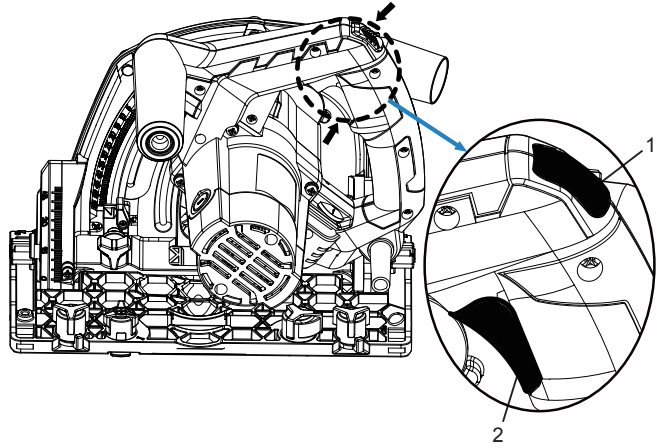
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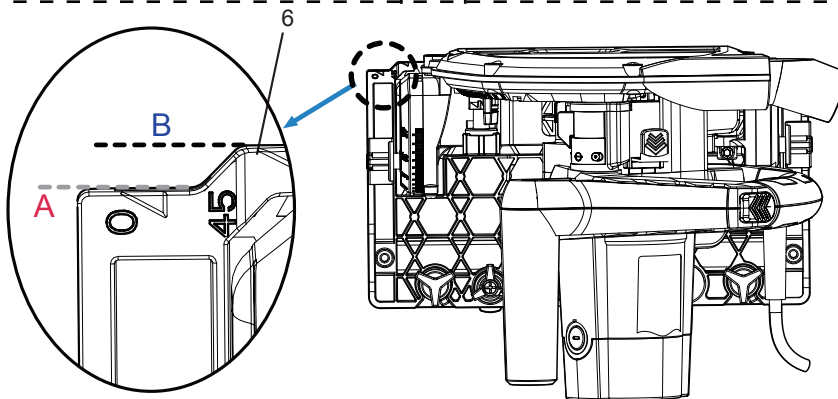
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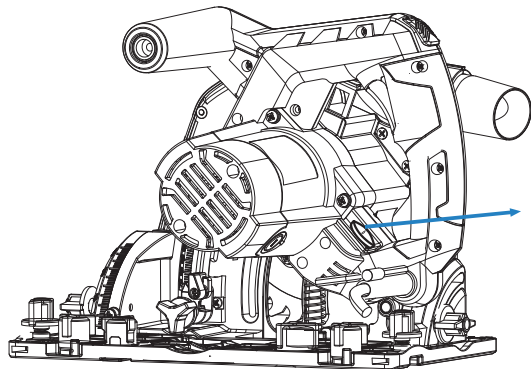
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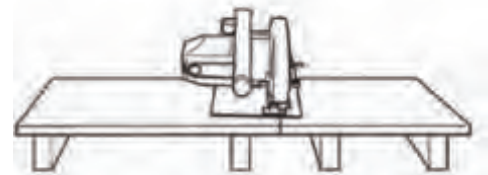
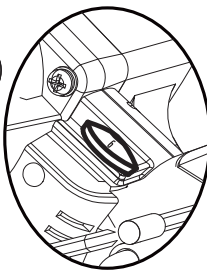
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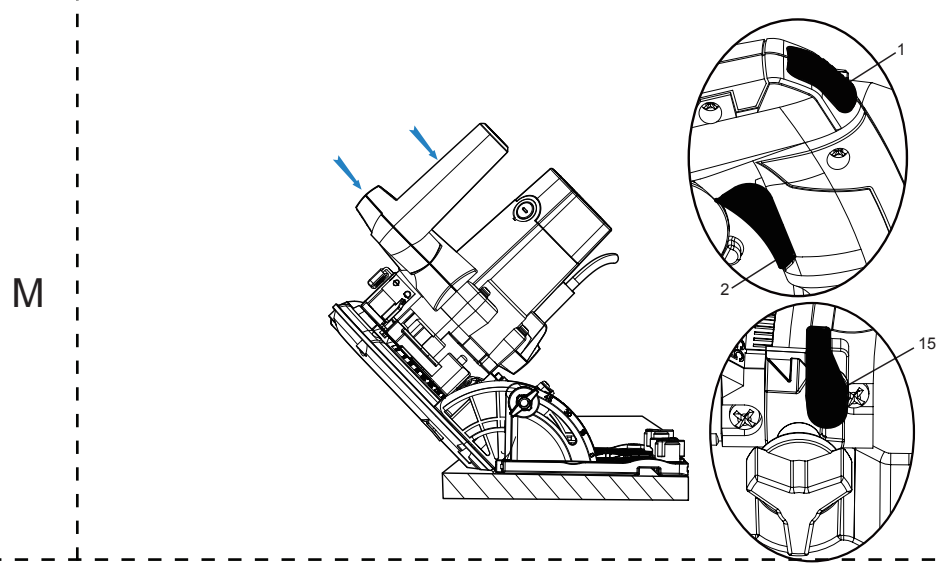
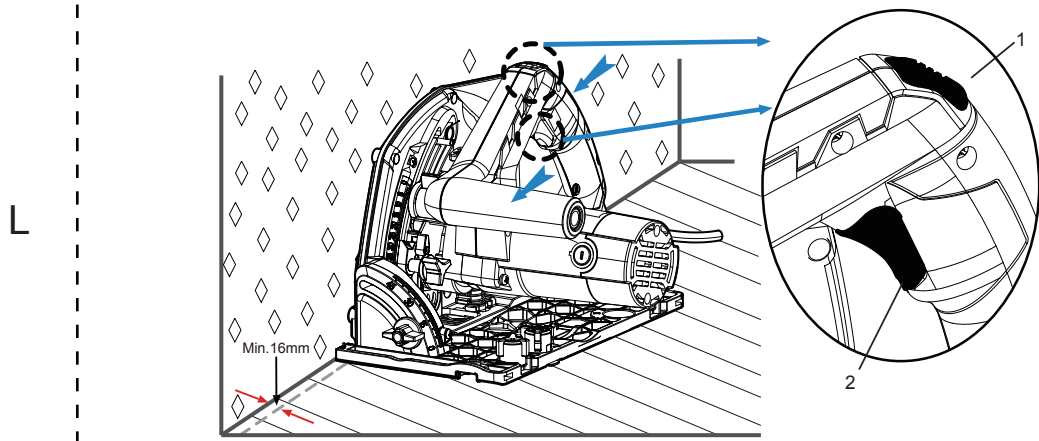
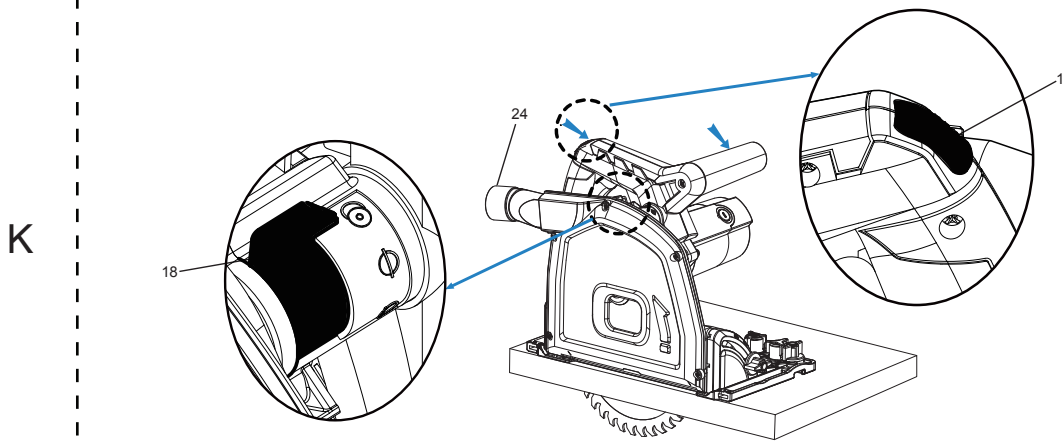
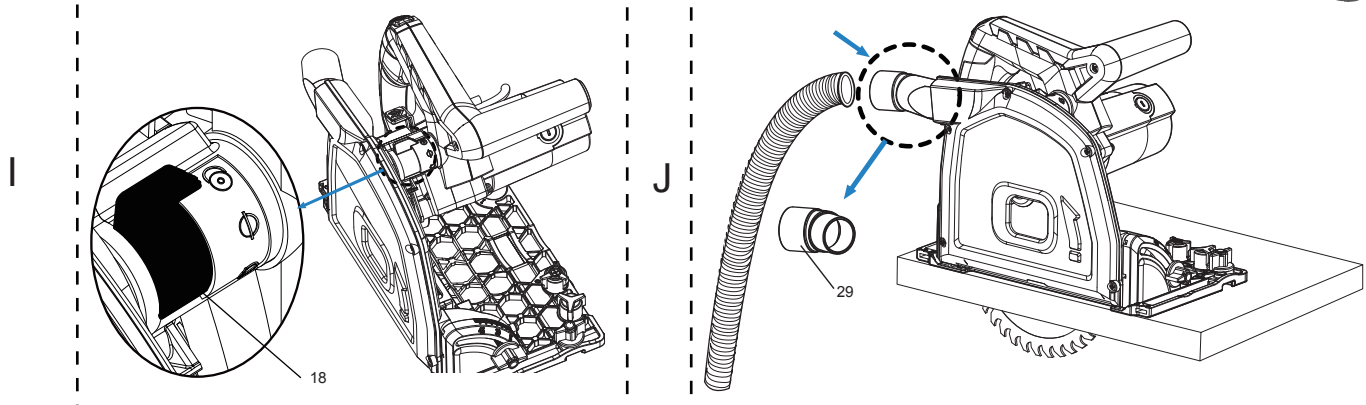


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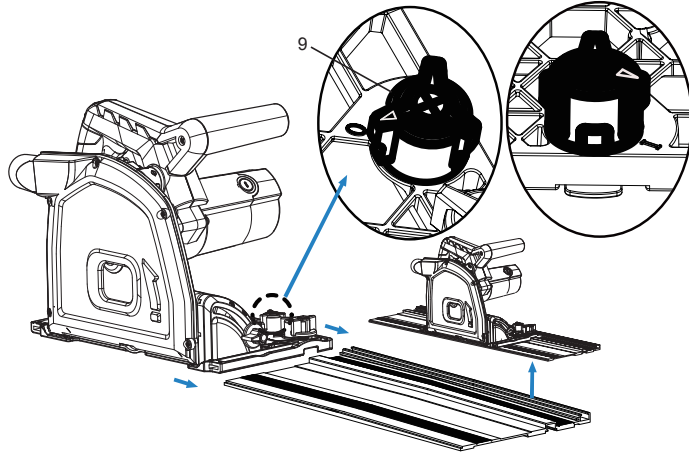


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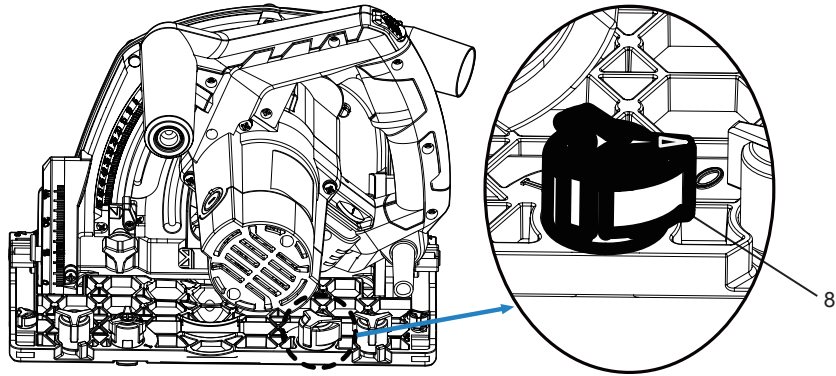




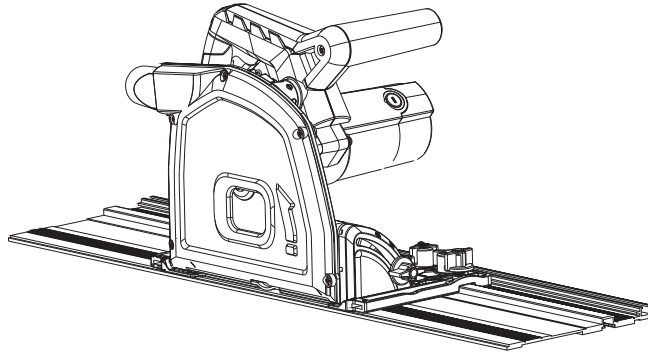
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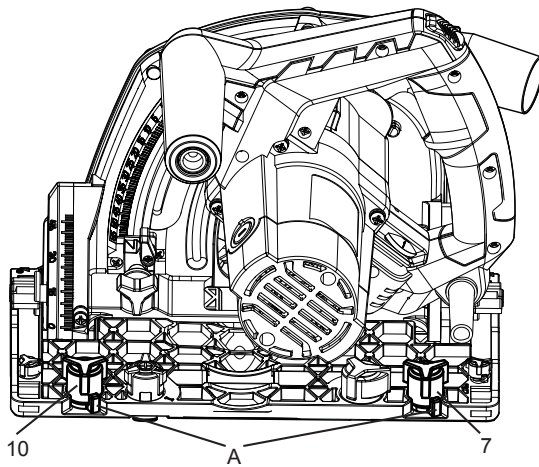
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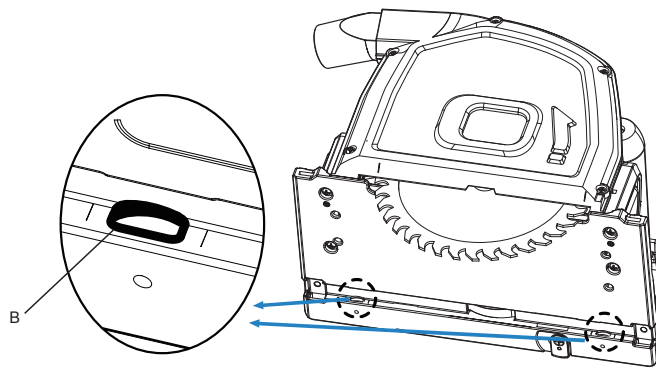
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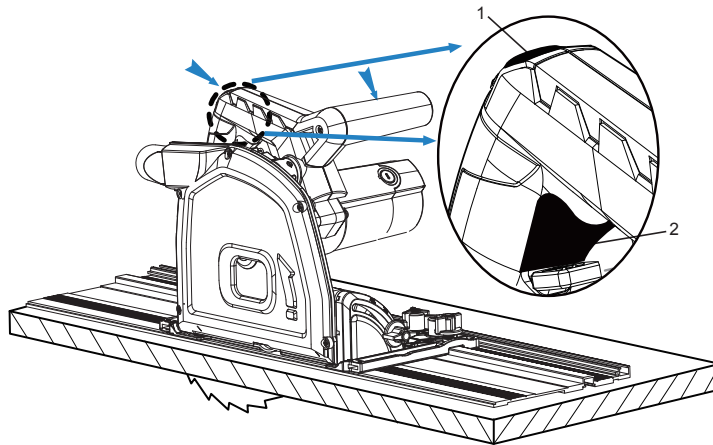
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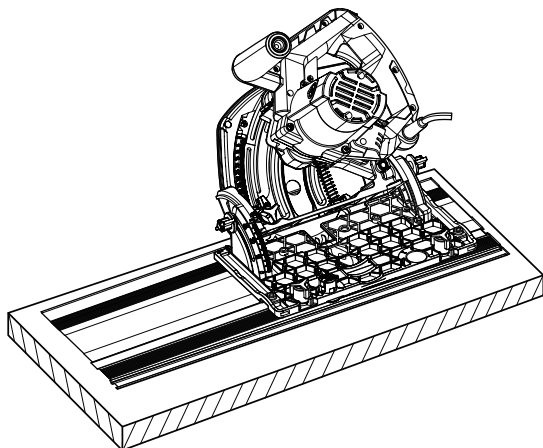
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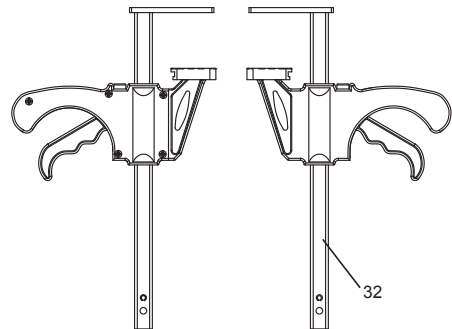
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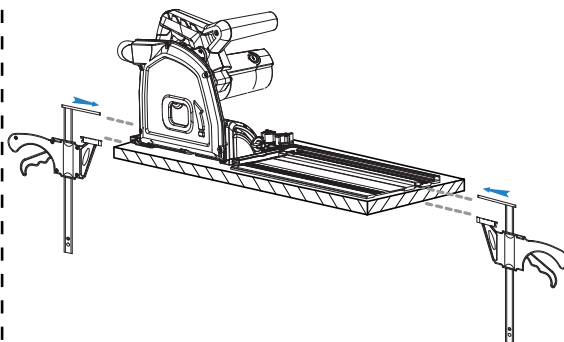
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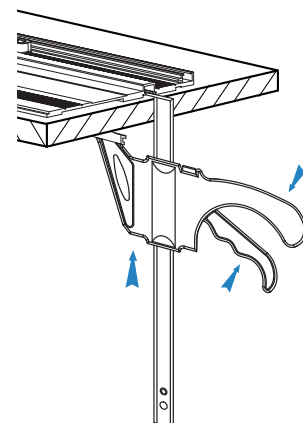
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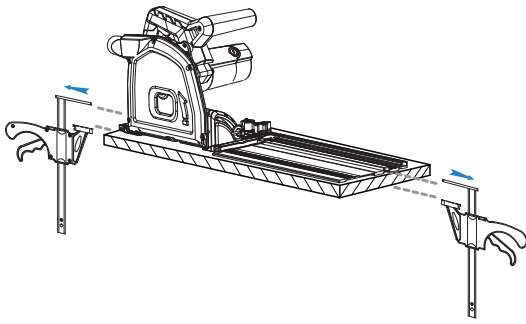
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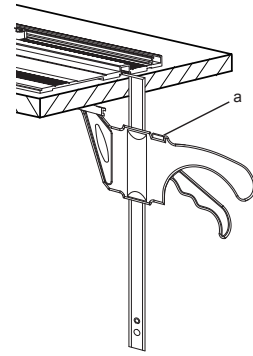
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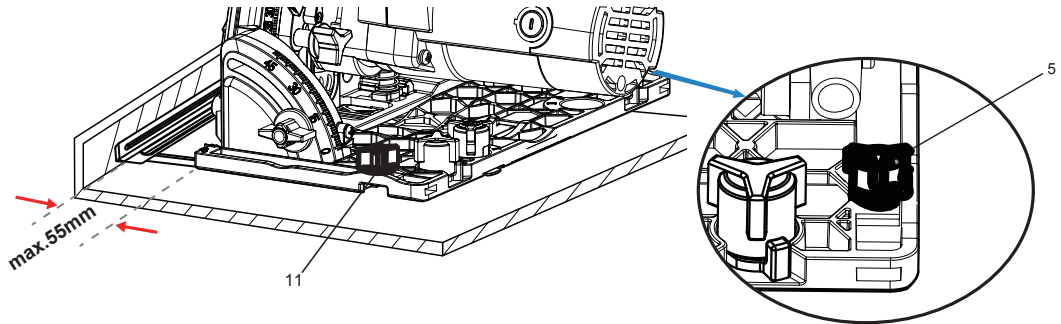
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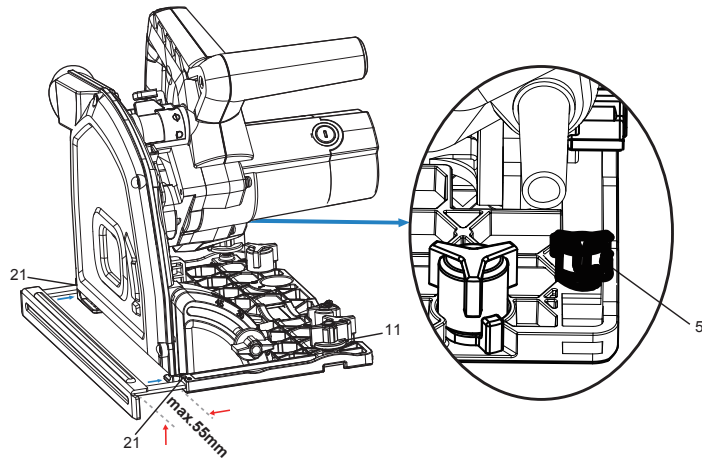
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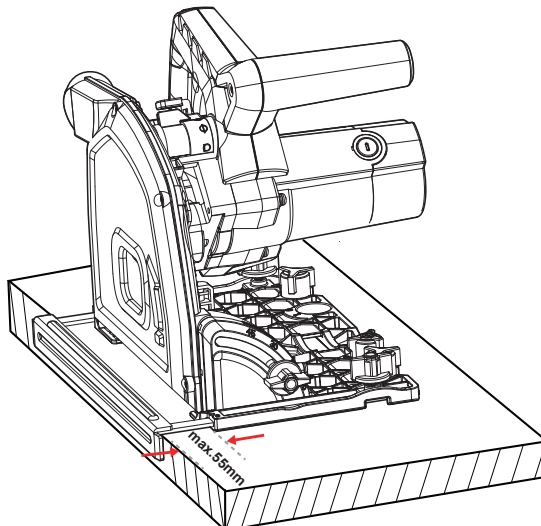
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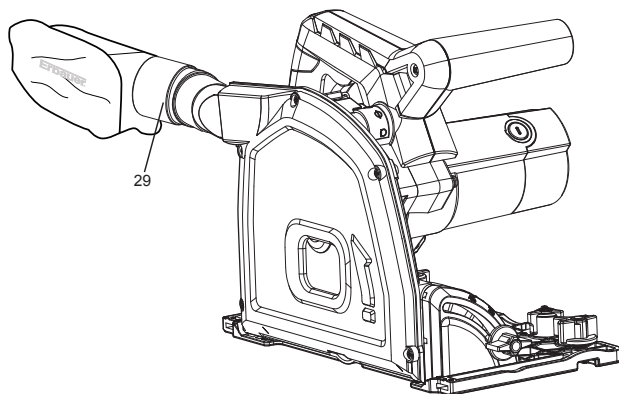
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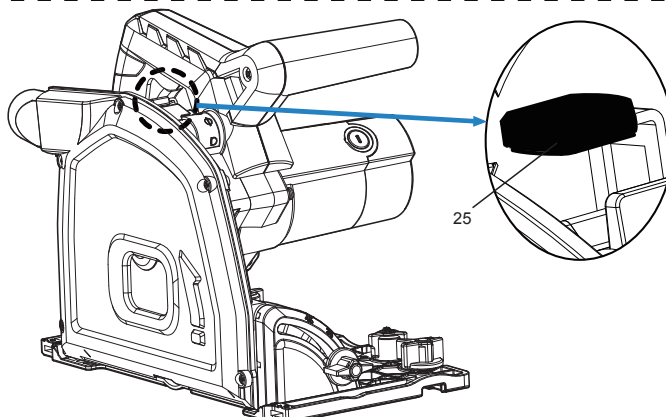
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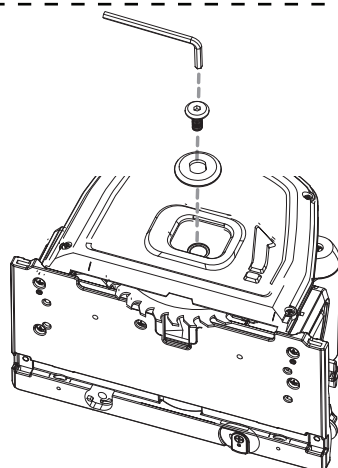
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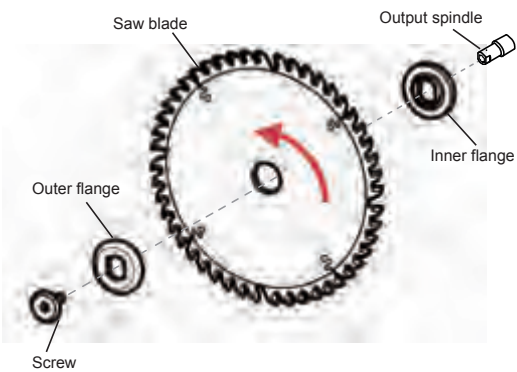
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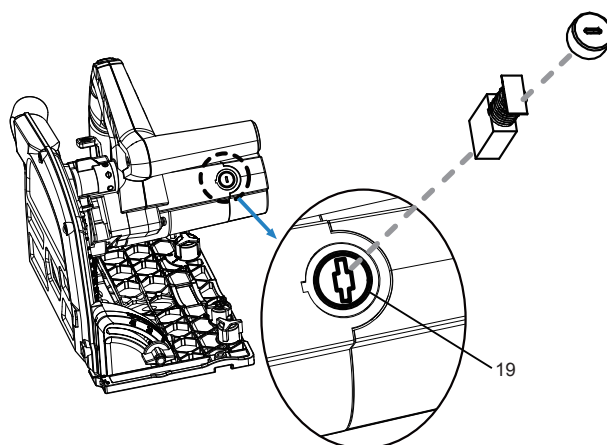
W2



W3



W4





Safety instructions

GENERAL POWER TOOL SAFETY WARNINGS



WARNING ! Read all safety warnings, 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.

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.

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 of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.** Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

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 personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skids 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 unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves 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.

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 be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack 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 tools 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.

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.

SAFETY INSTRUCTIONS FOR YOUR SAW

CUTTING PROCEDURES



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.

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

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

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.** Kickback could cause the saw to jump backwards, however, if precautions are taken, kickback forces can be controlled by the operator.
- b) **When the blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the workpiece 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 action 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, it may 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.

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 the switch is released.

The following information applies to professional users only but is good practice for all users:

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 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.

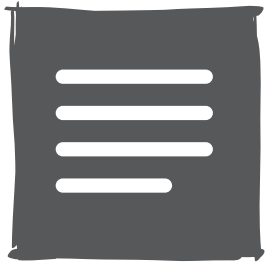
Helping to minimise your vibration exposure risk. **ALWAYS** use sharp chisels, drills and blades.

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

Avoid using tools in temperatures of 10°C 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 identify any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.



Product description

- | | | |
|---------------------------------------|-----------------------------|------------------------------|
| 1. Plunge lock button | 12. Front bevel lock knob | 22. Cutting width indicators |
| 2. ON/OFF switch | 13. Bevel scale | 23. Saw blade |
| 3. Main handle | 14. Depth adjustment knob | 24. Dust extraction outlet |
| 4. Rear bevel lock knob | 15. Track compensation | 25. Shaft lock |
| 5. Rear parallel guide fixing screw | 16. Depth scale | 26. 5mm hex key |
| 6. Base plate | 17. Auxiliary handle | 27. 700mm track x2 |
| 7. Rear fine adjustment knob | 18. Mode selector | 28. 3mm hex key |
| 8. Anti-kickback knob | 19. Carbon brush cap (2x) | 29. Connection adapter |
| 9. Track lock | 20. Slot for track | 30. Parallel Guide |
| 10. Front fine adjustment knob | 21. Slot for Parallel Guide | 31. Dust collection bag |
| 11. Front parallel guide fixing screw | | 32. Work clamps x2 |
| | | 33. Speed regulator |

01

TECHNICAL SPECIFICATIONS

Rated input: 220-240V~50Hz

Rated power: 1400W

No load speed: 2000-5000/min

Mitre setting: 0°- 48°

Saw blade dimensions: Ø185x2.2x20mm

Max. cutting depth with track: 62mm at 90°

Max. cutting depth without track: 67mm at 90°

Max. cutting depth with track: 44mm at 45°

Max. cutting depth without track: 47mm at 45°

Protecting rating: IPX0

Protecting class: II

Net weight: 5.4 kg

NOISE DATA & VIBRATION LEVEL

- Noise pressure level (L_{PA}): 97 dB(A) (K_{PA} : 3 dB)
- Sound power level (L_{WA}): 108 dB(A) (K_{WA} : 3dB)
- Hand-Arm-Vibration hand grip: $4.8m/s^2$ ($K= 1.5m/s^2$)

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.



WARNING ! Depending on the actual use of the product the vibration values can differ from the declared total. Adopt proper measures to protect yourself against vibration exposures. Take the whole work process including times the product is running under no load or switched off into consideration. Proper measures include among others regular maintenance and care of the product and accessories, keeping hands warm, periodical breaks and proper planning of work processes.

RATING LABEL EXPLANATION

ERB690CSW

ERB = Erbauer

690 = Model Number

CSW = Plunge Saw



Assembly

01

SYMBOLS



Read the instruction manual.



Wear hearing protection.



Wear eye protection



Wear a dust mask.



Wear protective gloves.



Wear protective, slip resistant footwear.



For cutting wood



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



Protection class II

yyWxx Manufacturing date code; year of manufacturing (20yy) and week of manufacturing (Wxx);

02

UNPACKING

Unpack all parts and lay them on a flat, stable surface.

- Remove all packing materials and shipping devices if applicable.
- Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer.

Using an incomplete or damaged product represents a hazard to people and property.

- Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

Plunge Saw	1 pc
5 mm hex key	1 pc
3 mm hex key	1 pc
700 mm track	2 pc
Connector adapter	1 pc
Carbon brush	2 pc
Parallel guide	1 pc
Dust collection bag	1 pc
Work clamps	2 pc
Track bag	1 pc



WARNING ! The product and the packaging are not children’s toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

03

ASSEMBLING THE MACHINE

SET CUTTING DEPTH

The cutting depth can be set between 0-67mm.

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. (A)



Note : The graduated values on the depth scale (16) apply for 90 degree cuts, using the track. The guide rail track compensation (15) must be tilted up when using the Plunge Saw without track.

Using the track = guide rail track compensation down.

Not using the track = guide rail track compensation lever up. (B)

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 : When accuracy is critical, use a ruler to check the depth and make test cuts on a scrap piece of material.



Note : Maximum cutting depth for working without track can reach 67mm 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 (62mm) is insufficient.

SET CUTTING ANGLE

The Plunge Saw can be angled between 0° and 48°. (C)

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.

PREPARING THE TRACK

TRACK PACK(D1)

The track pack includes:

- 1 x track bag
- 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



Note : There are two piece protective sleeves on both terminal ends of each track which avoid track deformation and damage during transportation. Remove the protective sleeves from both ends of the track before using the track. (D1)



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.

CONNECTING RODS FOR TRACK(D2-D5)

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. (D2)

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 screws is within the channel and the head is exposed.
4. Tighten the hex screw clockwise to secure the half of the connector connect to the track. (D3)
5. Now repeat this procedure, inserting 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. (D3)
7. Guide the free ends of the two track connectors into the clamp channels of the second track. (D4)
8. Tighten the hex screws on the face and underside of the second track and ensure all hex screws fixed firmly. (D5) Ensure that the two halves of the track are fitted together securely.

SWITCH ON/OFF

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. (E)



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.

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. (F)

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.

SPEED SETTING(G)

The speed regulator allows variation of the motor speed between 2000 and 5000 /min.

The cutting speed should be adjusted for the respective materials.

Turn the speed regulator towards 1 to reduce the motor speed; turn the adjusting wheel towards 6 to increase the speed.

The respective motor speed depends on type and thickness of the work piece.

Observe directions below for cutting materials with the appropriate speed:

Speed range 1 – 3:

Gypsum fiberboard, plastics (soft)

Speed range 4 – 5:

Plastics (hard), fiber-reinforced plastics (GRP), paper and fabrics, particle and hard boards, acrylic glass (Perspex)

Speed range 5 – 6:

Solid wood (hard, soft), plywood, core boards, veneered and coated boards, plastic-coated boards, MDF boards

Notes: At higher speed settings you cut the material faster, but this reduces the life cycle of the saw blade.

Reduce the speed for clean cuts in heat-sensitive and soft materials.

Do not use the speed regulation to use saw blades for lower nominal speed.

Only use saw blades with a minimum speed of 6000 rpm.



Use

INTENDED USE

The Plunge Saw is intended to cut wood and similar materials, gypsum and cement-bonded fibre materials and plastics. With compatible special saw blades (not provided) the Plunge Saw can also be used to cut aluminium.

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. (H) Line the work piece respectively.

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. (I)



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

The saw is fitted with a 38mm dia. dust extraction outlet (24) suitable for use with a dust collection bag (31) or for connection to a vacuum system.


See the section 'Dust Collection Bag' for details of the dust collection bag.

Put the connection adapter (29) onto the dust extraction outlet (24) and adjust it to a suitable position to avoid the wood chips or dust being directed at the body (J).



Note : Check the adapter connects firmly before using the vacuum cleaner.

MARKED CUTTING


1. Turn the mode selector (18) to marked cut function  . (K) (Refer to "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 markingline shouldbe alignedwith cutting line A 0 mark. (Refer to "Determine cutting line" section).

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 "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 "Set cutting angle" section)
2. Rotate the mode selector (18) to free plunge position  or scribe mode  for a scribe cut. (Refer to "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 "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 work piece.



Note : When operating the Plunge Saw at 90 degs, the minimum distance between the tool and wall or workpiece perpendicular plane is 16mm. (L)

BEVEL CUT (UP TO 48°) (M)

1. First loosen the front and rear bevel lock knobs (4 and 12) and swivel the Plunge Saw to the desired graduation. Tighten both bevel lock knobs again. (Refer to “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 “Set cutting depth” section)
3. To switch the saw on refer to previous comment (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° bevel cuts.

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. (N)



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.



CUTTING



WARNING ! 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 "Set cutting depth" and "Set cutting angle" section)
2. Rotate the mode selector (18) to free plunge position  or scribe mode  for a scribe cut. (Refer to "Mode selection" section)
3. Set the desired plunge depth. Ensure that the guide rail track compensation (15) is down. (Refer to "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). (S)
7. Allow the blade to reach full speed, then pivot the saw forward to plunge the blade into the workpiece to the set depth.
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.

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.

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



Note : When you slide the saw onto the guide rail of the track, the anti - kickback feature is automatically engaged. (P)



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.

- Loosen the knobs securing the front and rear fine adjustment knobs (7 and 10). (Q)
- Place the saw in the track.
- Adjust the cam levers (A) 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. (R)

WITH THE TRACK (0-48°) (S)



Note : 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 '1' position and set the anti-kickback knob (8) to the '1' 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 '1' 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 "Set cutting angle" section)
5. Rotate the mode selector (18) to free plunge position or scribe mode for a scribe cut. (Refer to "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 "Set cutting depth" section)
7. To switch the saw on press the refer to previous comment (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) show the foremost and rearmost cutting points of the saw blade (Ø 185mm) at maximum cutting depth and when using the track.

USING OTHER OPTIONAL ACCESSORIES

WORK CLAMPS

Work clamps are ideal for clamping track quickly and securely to the workpiece for fast, accurate cutting.

1. Place the track on the workpiece and align it along the cutting line.
2. Thread the thin top arm of one clamp into the lower clamp channel (running along the underside of the track).
3. Squeeze the clamp handle to raise and secure the grip to the underside of the workpiece. (T2; T3)
4. Repeat the procedure at the other end of the track. (T1; T2; T3)
5. Depress the lock button (a) to release the clamp and remove it from the workpiece. (T4; T5)



Note : Clamp can also be inserted into the upper clamp channel (on the face of the track).

PARALLEL GUIDE (U1; U2; U3)

- In certain circumstances, it may not be possible to use the track. In such cases the saw can be used with the Parallel Cutting Guide. This enables accurate cuts parallel to the edge of the workpiece without use of the track.
- The parallel cutting guide can be used on the left or the right of the blade.
 1. Loosen the front and rear parallel guide fixing screws (5 and 11) on the saw.
 2. Slide the parallel guide into the mounting slots in the saw base plate.
 3. Use a ruler to set the distance from the blade to achieve the required width of the cut.
 4. Re-tighten both the parallel guide fixing screws to secure the parallel guide in position.

DUST COLLECTION BAG

- For a cleaner, safer working environment, the dust collection bag is designed for use with the Plunge Saw.
- This dust collection bag has a 1000ml capacity and will collect the majority of the dust from the cut.
- The non-woven material ensures a high filtering capacity and a vision panel makes it is easy to see when the bag needs emptying.
- For optimum efficiency, do not allow the bag to become more than $\frac{3}{4}$ full before emptying.
- The dust collection bag connects with the connection adapter and simply push-fits onto the dust extraction outlet (24). (V)



Note : For those optional accessories, you can consult or purchase through an authorized customer service centre or store.



Care & maintenance

THE GOLDEN RULES FOR CLEANING



WARNING ! Always switch the product off, disconnect the product from the power supply and let the product cool down before performing inspection, maintenance and cleaning work!

- Keep the product clean. Remove debris from it after each use and before storage.
- Regular and proper cleaning will help ensure safe use and prolong the life of the product.
- Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts

GENERAL 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.



Note : Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product as they might be harmful to its surfaces.

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 Ø185x20mm 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. (W1)
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. (W2)
6. Use the Allen key to loosen the screw counter-clockwise. Remove the outer flange and the saw blade. (W2 W3)
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 a 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.

BRUSH REPLACEMENT (W4)

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.

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

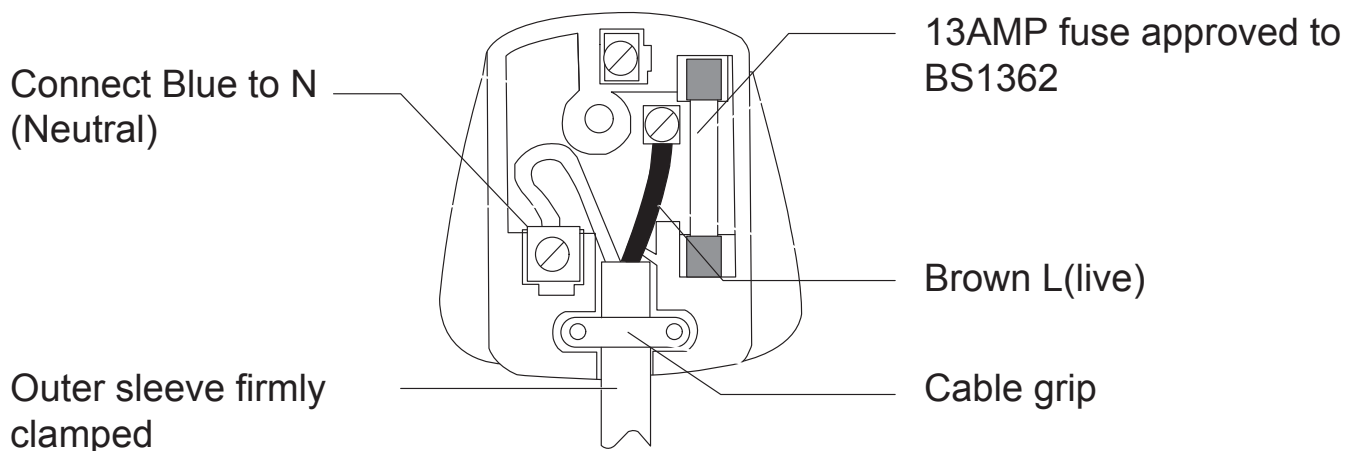
If you need to replace the fitted plug, then follow the instructions below.

IMPORTANT:

The wires in the mains lead are coloured in accordance with the following code:

Blue - Neutral Brown - Live

As the colours of the wires in the mains lead of this product may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire, which is coloured blue, must be connected to the terminal, which is marked with N or coloured black. The wire, which is coloured brown, must be connected to the terminal, which is marked L or coloured red.



WARNING ! Never connect live or neutral wires to the earth terminal of the plug



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.

RECYCLING AND DISPOSAL



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. For further information visit www.recycle-more.co.uk

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.



Guarantee

At Erbauer 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 years guarantee against manufacturing defects on our Erbauer 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 Erbauer 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 Erbauer 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 Erbauer power tool.

This guarantee is in addition to and does not affect your statutory rights relating to faulty goods as a consumer.



Declaration of Conformity

Erbauer

We

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

Declare that the product
1400W Plunge Saw, ERB690CSW
Serial number: from 000001 to 999999

Complies with the essential health and safety requirements of the
 following Directives:

EC 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





**Manufacturer • Fabricant • Producent • Hersteller
• Producător • Fabricante:**

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www.kingfisher.com/products

EN

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Screwfix Direct Limited, Trade House,
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United Kingdom
www.screwfix.com

**To view instruction manuals online,
visit www.kingfisher.com/products**
