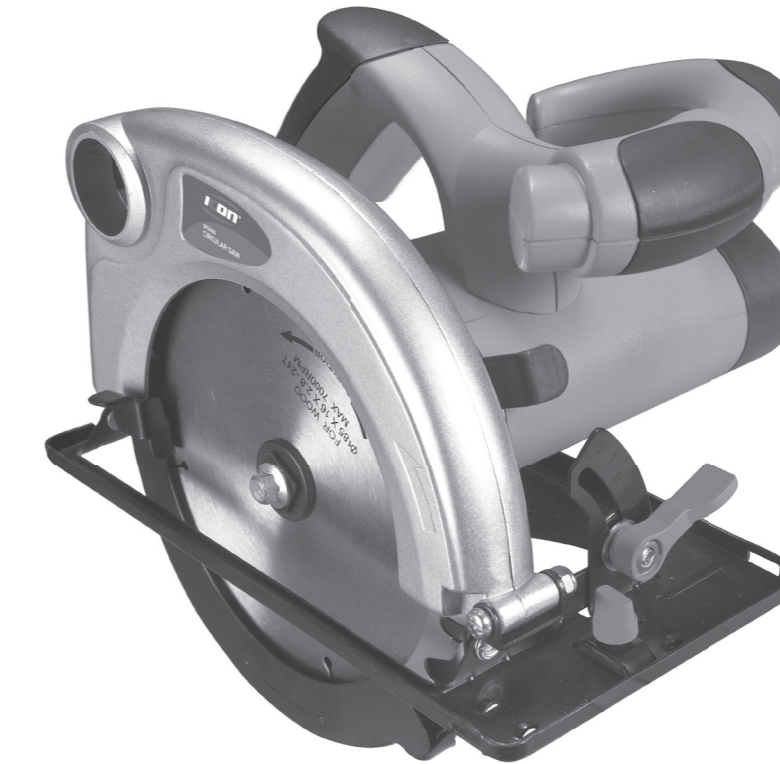




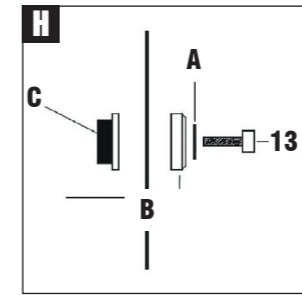
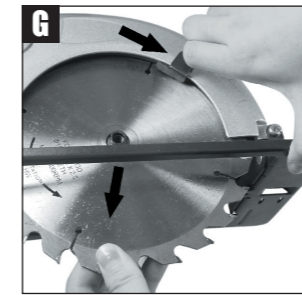
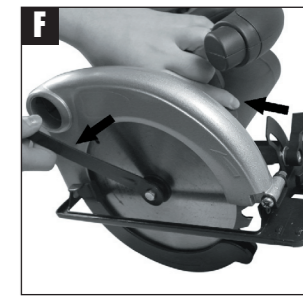
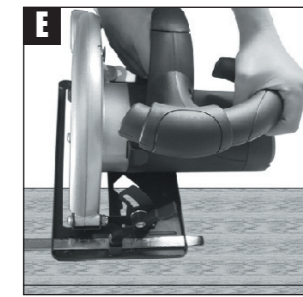
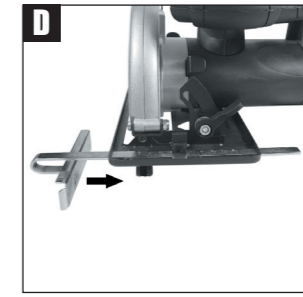
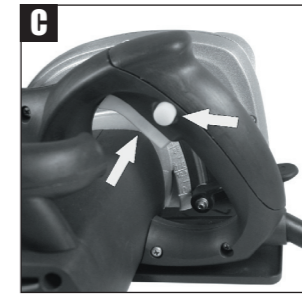
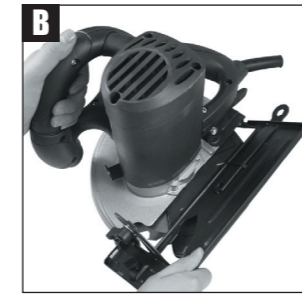
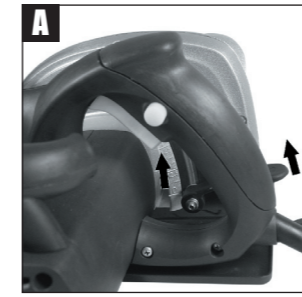
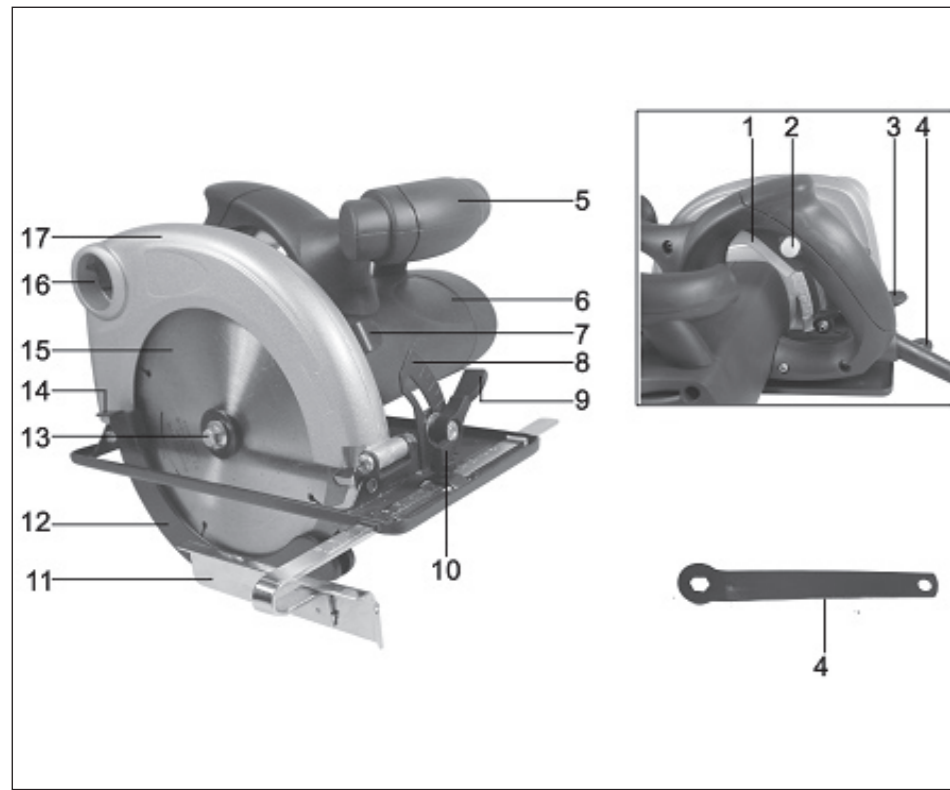
SAFETY AND OPERATING MANUAL

1500W CIRCULAR SAW

IC218CS



Thank you for purchasing an Icon product. We are confident that this product will meet and exceed your expectations of quality and reliability. Please take the time to carefully read this entire instruction manual before using your new product. Take note of the safety precautions contained herein.



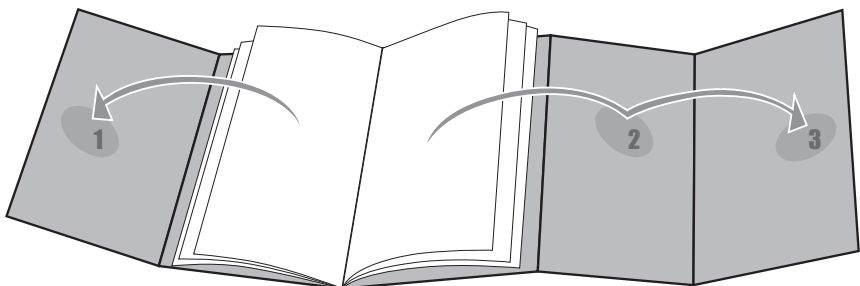
Contents

I -	Component list	1
II -	Technical specifications	2
III -	Safety instructions	2
IV -	Symbols	5
V -	Accessories	6
VI -	Operation	6
VII -	working hints for your product	7
VIII -	Maintenance	7
IX -	Troubleshooting	7
X -	Warranty	7

I - Component List

- 1 ON/OFF switch
- 2 lock off button
- 3 Cutting depth locking knob
- 4 Spanner
- 5 Front handle
- 6 Motor housing
- 7 Blade lock lever
- 8 base plate angle scale
- 9 base plate bevel lock
- 10 Parallel guide lock knob
- 12 Parallel guide
- 12 Lower blade guard
- 13 Blade bolt
- 14 lower guard lever
- 15 Blade*
- 16 Dust outlet
- 17 Aluminum guard


Not all the accessories illustrated or described are included in standard delivery.



II - Technical specifications

Rated Voltage	230V-240V~50Hz
Rated power	1500W
No load speed	4800/min
cutting capacity	
45 degree :	45mm
90 degree :	64mm
Bevel capacity	45°
Blade size	Ø185xØ20x2.8mm
Protection class	□ /II
Weight	4.2kg
NOISE AND VIBRATION DATA	
Sound pressure level	97dB (A)
Sound power level	108dB (A)
Wear ear protection when sound pressure is over 85dB (A)	85dB (A)
Vibration level	2.219m/s ²

III - Safety instructions

 **WARNING: Read all safety warnings and all instructions.** Failure to follow the warnings and instructions 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

- Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. ELECTRICAL SAFETY

- 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.
- 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.

- Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.
- Recommendation for the use of a residual current device with a rated residual current of 30 mA or less.**

3. PERSONAL SAFETY

- 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.

- 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.
- 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.
- 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.
- Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- 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.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.

4. POWER TOOL USE AND CARE

- 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.
- 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.
- 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.
- 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.

- 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.
- Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories and tool bits etc. in accordance with these instructions and in the manner intended for the particular type of power tool, 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.

5. SERVICE

- 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.

ADDITIONAL SAFETY RULES FOR YOUR CIRCULAR SAW

- If the supply cord is damaged have it replaced by a qualified person.
- Always wear a dust mask, hearing protection and eye protection.
- Only use saw blades recommended in these instructions.
- Always wear gloves when handling saw blades and rough material. Saw blades shall be carried in a holder whenever practicable.
- Ensure your mains supply voltage is the same as indicated on the rating plate.
- Your circular saw is a hand held tool, do not clamp your circular saw.
- Before cutting, check the cutting line is free of nails, screws, etc.
- Do not cut small workpieces with a circular saw. If possible, use a jigsaw.
- Only make cuts with the blade direction

- downwards, never upwards or at the side.
10. Do not use a blade unless the rated blade speed exceeds the saw no load speed.
 11. Never remove the guard system. Never use the saw if the guard system does not function correctly. Never lock the moving guard open. The guard must move freely.
 12. Never use saw blades made from high-speed steel (HSS).
 13. After long working periods external metal parts and accessories could be hot.
 14. Do not use metal or stone saw blades. Only use wood saw blades.
 15. Do not use circular saw to cut tree limbs or logs.
 16. Do not use any abrasive wheels.
 17. Always use the appropriate safety equipment that is required for the product. e.g. Goggles / Safety Spectacles, Ear defenders (essential with tools with a noise rating of over 85 dB(A), Gloves and face masks. In all cases ensure that the safety equipment is in good condition.



WARNING!

- a. 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 work-piece. The guard cannot protect you from the blade below the work-piece.
- c. Adjust the cutting depth to the thickness of the work-piece. Less than a full tooth of the blade teeth should be visible below the work-piece.
- d. Never hold piece being cut in your hands or across your leg. Secure the work-piece to a stable platform. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.
- e. Hold 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 shock the operator.
- f. When ripping always use a rip fence or straight edge guide. This improves the accuracy of cut and reduce the chance of blade binding.
- g. Always use blades with correct size

diameter and bore. Blades that do not match the mounting hardware of the saw will run eccentrically, 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 saw Causes and operator prevention of kickback:
 - kickback is a sudden reaction to pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the work-piece toward the operator;
 - when the blade is pinched or bound 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, 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 work-piece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material. If saw blade is binding, it may walk up or kickback from the work-piece 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 cut. If blade adjustment shifts while cutting, it may cause binding and kickback.

SAFETY INSTRUCTION FOR CIRCULAR SAW WITH INNER PENDULUM GUARD

- a. Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position. If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other parts, in all angles and depths of cut.
- b. Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use. Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
- c. Lower guard should be retracted manually only for special cuts such as "compound cuts". Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.
- d. Always observe that the lower guard is covering the blade before placing 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 blade to stop after switch is released.

IV - Symbols



Read the manual



Warning



Double insulation



Wear eye , ear protection & dust mask



RCM approval

5112

V - Accessories

Parallel guide	1
Spanner	1

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

VI - Operation



NOTE: Before using the tool, read the instruction book carefully.

ADJUSTMENTS

With this saw there are two things you can adjust: the blade cutting depth and the mitre cutting angle.

1

DEPTH OF CUT ADJUSTMENT (SEE FIG. A)

Lift the depth of cut lock lever and raise the saw body away from the base plate. Set the depth of cut with the scale and push the lever down to lock. Always add 3mm to your depth of cut so that the blade can cut through the material.

2

BASE PLATE ANGLE ADJUSTMENT (SEE FIG. B)

Loosen the base plate bevel lock knob and rotate the base plate to set the bevel angle with the angle scale provided. Then clamp the base plate position with the lock. Finally, check the angle and ensure that the base plate is firmly clamped. The angle markings on the base plate are accurate for most general purposes but it is recommended to set the angle with a protractor and make a test cut on other material for accurate work. Do not use the depth of cut scale when making bevel cuts due to possible inaccuracy.

USING THE CIRCULAR SAW

1

SAFETY ON/OFF SWITCH (SEE FIG.C)

Your switch is locked off to prevent accidental starting. Depress the lock off button then the on/off switch and release the lock off button. Your switch is now on. To switch off, just release the on/off switch. The blade may continue to rotate after that. Wait until the tool comes to a complete stop before setting down.

2

PARALLEL GUIDE ADJUSTMENT (SEE FIG. D)

It is used for making cuts parallel to a workpiece edge at a chosen distance. Slide the parallel guide arm through both fixtures to achieve the required cutting distance and tighten the screw to lock into position. The parallel guide can only be inserted as shown in FigD. The cutting distance is shown on the scale by the 0° or 45° notch edge. Always make a trial cut to check the setting.

3

OPERATION (SEE FIG.E)

Adjust the base plate angle and cutting depth to the required level and then place front of the base plate on the workpiece (do not allow the blade to touch the workpiece at this time). Start the saw, when the saw is at maximum speed slowly push forward. Hold the saw securely with both hands.

4

FITTING AND CHANGING A SAW BLADE (SEE FIG.F,G,H)

Use the spanner provided to remove the blade bolt (13), the washer (A) and the outer flange (B). Pull the lower guard lever round as far as it will go and hold it there. Remove the old saw blade. Ensure that the blade bore is located on the inner flange (C). If the inner flange (C) is inadvertently removed, it will be need to readjust before fitting the new blade. Fit the inner flange (C) with smaller diameter section facing inwards to the saw body. Slide a new blade through the hole in the bottom of the base plate and place on the central hub on top of the inner flange (C).

Place the outer flange (B) back on the centre of the blade. Fix the washer (A) and the bolt (13) on top of the outer flange (B). Release the blade guard.

Note: Only use the right blades with the 185 mm diameter and 20mm aperture.

VII - Working hints for your product

- 1.If your power tool become too hot, run no load for 2-3 minutes to cool the motor.
- 2.Always use a blade suited to the material and material thickness to be cut.
- 3.The quality of cut will improve as the number of blade teeth increase.
- 4.Always ensure the workpiece is firmly held or clamped to prevent movement.
- 5.Support large panels close to the cut line.
- 6.Any movement of the material may affect the quality of the cut.

VIII - Maintenance

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

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

IX - Troubleshooting

- 1.If your circular saw will not operate, check plug fuse and power at mains plug.
- 2.Here are no user serviceable parts in the saw other than those listed in Care and Maintenance.

3.If a fault is suspected return to an authorised dealer to repair.

X - Warranty

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply.

The warranty replacement unit only made available by returning the tool to the place of purchase with a confirmed register receipt. Proof of purchase is essential.

We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use.

