

## THE GUARD

The guard is a very important safety element in the circular saws. **Always check the guard for proper closing before each use. Do not operate the saw if guard does not move freely and enclose the blade instantly. Never clamp or tie the guard so that the blade is exposed.**

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.

**If the guard and the spring are not operating properly, return the tool to HSS Hire.** Guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.

**Always observe that the 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.

## ADJUSTING THE CUTTING DEPTH AND ANGLE

The cutting depth set should always be approx. 5 to 10 mm greater than the thickness of the material to be cut.

**Before adjusting cutting depth make sure the battery is taken out of the power tool.**

**Place the power tool on a supporting surface.**

**Release the cutting depth adjustment clamping lever.**

**The depth set can be read from the scale at the arrow on the guide.**

**Lift the power tool in a scissor movement and set the desired cutting depth by closing the clamping lever.**

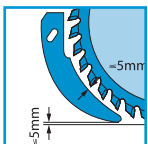
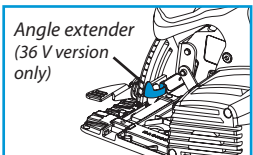
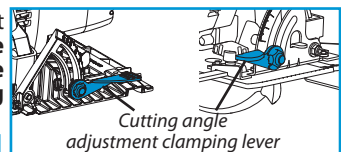
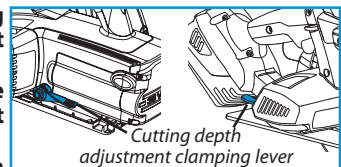
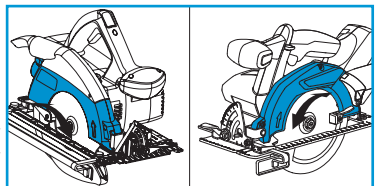
If you require to adjust cutting angle, **release the cutting angle adjustment clamping lever.**

**Pivot the power tool into the desired position or, respectively, lift the angle extender to allow angles up to 50° to be set (36V version only).**

## ADJUSTING THE RIVING KNIFE (36V version only)

Check to ensure that the riving knife is adjusted correctly. **The gap between the riving knife and the teeth of the blade should be no more than 5 mm and the teeth should project no more than 5 mm below the lower edge of the riving knife.**

The riving knife prevents the blade sticking when making longitudinal cuts. **The saw may therefore be used only when the riving knife is correctly fitted and adjusted.**



## BASIC TECHNIQUES

### WARNING

**Do not switch the power tool on if the saw blade, the blade guard or the pivoting guard are not fitted correctly.**

**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.**

**Use clamps or a vice to hold the work steady** and reduce vibration. The workpiece is thus held more securely than by hand and both hands remain free to operate the power tool.

**Ensure nothing will get in the saw's way and that off-cuts are supported** so they cannot trap the saw blade.

**Adopt a stable stance that gives a good view of the off-cut** while keeping you clear of the saw blade. In particular, **avoid placing your leg and fingers directly under the cut.**

### WARNING

**Always start the saw and let it get up to speed before bringing the blade into contact with the work.**

## SAWING ALONG A LINE

There is a cutting line indicator for straight cuts or bevel cuts (0° and 45°) at the front section of the base plate of the power tool. This permits precise cuts to be made at the selected cutting angle. The edge of the line indicator corresponds to the inside of the saw blade. The viewing window provides a better view of the cutting line and thus ensures a better cut. Additional cutting line indicators are located at the front opening for the saw blade and at the end of the base plate.

Perform along line cutting by placing the power tool with the base plate on the workpiece in such a way that the blade still has no contact with the workpiece.

Switch the power tool ON and **holding the saw with both hands, guide it along the cutting line, applying just enough pressure to ensure reasonable progress.**

**Remove the saw from the cut before switching OFF and wait for the blade to stop** before putting it aside.

### CAUTION

**Never press the drive spindle lock button while the saw blade is rotating.**

## EQUIPMENT 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. Ask HSS Hire for advice

**Never force the saw through the work. If it jams in the cut, switch OFF,** free it and check the blade for damage before going on.

**Regularly clean out the tool's ventilation slots.** If these clog with dust, the tool's motor could burn out.

**Never work with a blunt or dirty blade.** It not only produces poor work but could overload the saw's motor.

**When cleaning or changing blades,** though, do remember to **switch OFF and remove the battery pack.**

When equipment is not in use **remove the battery and store it in a cool, dry place. Never store the battery where it is exposed to direct sunlight or sources of heat,** e.g. on heaters / radiators or behind a motor vehicle windscreen. **Keep the battery away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.

**Keep the equipment clean** - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

**When not in use, store the equipment somewhere clean, dry and secure.**

## FINISHING OFF

**Switch off the tool, remove the battery.**

Before returning the saw, **brush off any dust and dirt, paying particular attention to the motor's ventilation slot.**

Finally, **double check that all accessories supplied** are ready to be returned with the tool.



## ... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so.

Training is available at HSS Training  
0845 766 7799

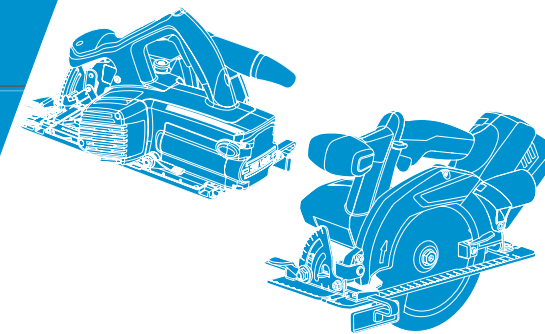
## ...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below  
e-mail: [safety@hss.com](mailto:safety@hss.com)

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# Cordless Circular Saws

Hand-held, cordless circular saws.  
Designed for cutting wood, wood-like materials, plastics, gypsum plasterboard, gypsum fibreboard and composites



Code 03210/03214

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from HSS Hire.

Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Safety Goggles must be worn by everyone in the work area.

Some materials when cut contain substances which, when inhaled, can be harmful to health. A suitable mask must be worn when using this equipment. Respiratory protective equipment is available for hire, contact HSS Hire for details.

This equipment generates potentially harmful noise levels. To comply with health and safety at work regulations, ear defenders must be worn by everyone in the vicinity.

Always switch off the tool before carrying it or making adjustments to it.

Make sure you know how to switch this machine OFF before you switch it ON in case you get into difficulty.

Having switched OFF the tool, always wait for the blade to come to rest before putting it down.

Never start the saw with the blade in contact with the workpiece.

Ensure the work area is well lit and ventilated. Do not work near flammable gases or liquids.

Always switch OFF and unplug the equipment when not in. Never leave it switched ON and unattended.

Never use the saw to cut asbestos sheeting, nor any other material which may be hazardous to health.

Do not use the tool to cut tree branches or trunks.

Do not use the power tool to cut metal pieces.

Take care when changing or fitting blades – they are sharp.

Never use sideways force to stop the blade. Always allow the blade to stop freely.

Never use this tool near electronic (sensitive) equipment.

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.

Make sure that everyone is warned of what you are doing.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to HSS Hire.

Check the cutting blade does not show signs of damage. A damaged cutting blade can cause personal injury.

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

Always ensure you have a safe and stable working position. Do not use the machine unless you are able to call for help in the event of an accident.

Never use a machine that is faulty or incomplete.

Always follow the safety and operating instructions and current regulations.

ELECTRICAL SAFETY

HSS cordless circular saws are powered by 22 and 36 volts batteries, that can be charged by plugging into a standard 230V 13A power socket.

If the charger fails, or if its power supply cable or plug becomes damaged, return it. Never try to repair it yourself.

Never modify the plug in any way.

If the switch does not turn the tool on and off, return it.

Avoid body contact with earthed or grounded surfaces, such as pipes, radiators etc. 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.

Using the charger in very damp or wet conditions can be dangerous.

If an extension lead is used for the charger it should be fully unwound and loosely coiled, away from the equipment. Never run leads through water, over sharp edges or where they could become a trip hazard.

To reduce the risk of electric shock, use a suitable RCD (Residual Current-Operated Device) available from HSS Hire, or power the equipment from a mains circuit with a built-in RCD.

IDENTIFIER

36 V Circular Saw

22 V Circular Saw

Diagram of 36V Circular Saw with labels: Drive spindle lockbutton, Charge status and fault display, Battery, Release buttons, Clamping lever for cutting depth adjustment, Rotatable chip ejector, Switch-on interlock, Control switch, Guard, Pivoting guard operating lever, Cutting angle scale, Clamping lever for cutting angle adjustment, Riving knife, Parallel guide (rip fence), Pivoting guard, Clamping screws for the parallel guide.

Diagram of 22V Circular Saw with labels: On / off switch, Switch-on interlock, Hose connector (chip deflector), Guard, Pivoting guard operating lever, Base plate, Rip fence, Pivoting guard, Charge status and fault display, Release buttons, Battery, Drive spindle lockbutton, Clamping lever for cutting depth adjustment, Clamping lever for cutting angle adjustment.

GETTING STARTED

HSS Cordless Circular Saws are designed for cutting wood or wood-like materials, plastics, gypsum plasterboard, gypsum fiberboard and composites up to a cutting depth of 57 mm and for making bevel cuts at angles between 0° and 50°.

Never use the saws until you have fully read and understood this User Guide and the machine has been properly set up using the information it contains.

Prior to using this tool double check that the power switch is set to the off position. To prevent accidental starting always remove battery pack when preparing tool for work or doing any maintenance.

CHARGING THE BATTERY

Battery performance drops at low temperatures. Never use the battery until the cells become fully discharged. Change to the second battery (if available) as soon as a drop in performance is noticed. Recharge the battery immediately so that it is ready for reuse.

If the battery is already in the tool, remove it by pressing both battery release buttons. Pull the battery out of the power tool toward the rear.

Before inserting the battery in the corresponding charger, ensure that the outer surfaces of the battery are clean and dry.

To charge the battery, plug the charger into a power source and insert the battery. Charging progress is indicated by the LED display.

LEDs light constantly	LEDs blink	Charge status C
LED 1,2,3,4	-	C ≤75%
LED 1,2,3	-	50% ≤ C < 75 %
LED 1,2	-	25% ≤ C < 50 %
LED 1	-	10% ≤ C < 25 %
-	LED 1	C < 10%

DANGER

Only used the battery packs and charger provided by HSS Hire

Once the battery is fully charged, before inserting it in the tool, check that the power tool is switched off and the switch-on interlock is activated (not pressed).

Now you can insert the battery.

CAUTION

Check that the terminals on the battery and in the power tool are free from foreign objects before inserting the battery in the power tool.

To insert the battery simply push it into the power tool from the rear as far as it will go and until it is heard to engage with a double click. Make sure that the battery is seated securely in the power tool.

REMOVING AND FITTING THE BLADE

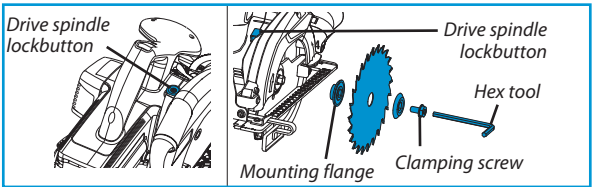
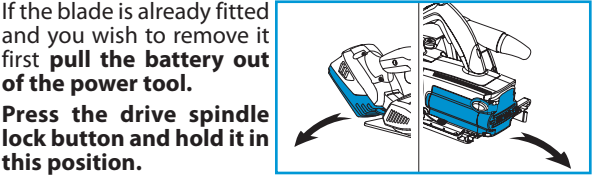
Always wear protective gloves when removing or fitting the blade. The blade's edges are sharp, the tool, the clamping flange and the clamping screw get hot.

Check that the blade to be fitted is well sharpened. A sharp saw blade is an essential requirement for a perfect cut.

WARNING

Always remove battery pack before changing the blade, cleaning tool or storing the saw.

Battery should only be connected before cutting process.



Turn the saw blade clamping screw with the hex. socket wrench until the locking pin engages fully.

Release the clamping screw by turning the wrench further clockwise and remove the clamping screw from the outer clamping flange. Next open the pivoting guard by swinging it to the side and remove the saw blade.

To fit the blade, ensure the is no battery in the tool.

Clean the mounting flange and the clamping flange, then fit the mounting flange.

Open the pivoting guard and fit the new saw blade.

CAUTION

Only use blades which are suitable for this saw. Observe the direction-of-rotation arrow on the saw blade.

Fit the outer clamping flange, press the drive spindle lockbutton and fasten the clamping flange with the clamping screw by turning it anti-clockwise.

Before using the power tool, check that the saw blade is securely attached.

BLADE CHOICE

If in doubt, ask at HSS Hire about the right blade for the job. Blade selection may depend on the material you are cutting, its thickness, whether you are cutting wood along or across the grain (though all HSS circular saw blade are suitable for both ripping and cross cutting).