

Finally, **adjust the depth of cut until the blade protrudes through the work by the depth of one tooth** (see diagram). **Loosen the depth adjustment knob, hold the sole plate in one hand, then raise or lower the motor unit as required before re-tightening.**

**To switch the saw ON, depress the lock OFF button and squeeze the ON / OFF trigger.**

**To switch OFF simply release the ON / OFF trigger.**

All that now remains is to **plug in and switch ON the power.**

### Blade Choice

If in doubt, ask at your local HSS Hire shop 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).

### BASIC TECHNIQUES

**Use a vice or clamps to hold the work steady** and reduce vibration. At the same time, **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.**

If possible, **drape the tool's flex over one shoulder** to keep it clear of the blade, but **make sure there is still enough slack for you to reach the end of the workpiece** without any difficulty.

**Before switching ON, rest the front of the sole plate on the work and retract the safety guard** to expose the minimum amount of blade necessary to make the cut.

**Align the blade position slot** (on the front of the sole plate) **with the cut guide marks on the timber.**

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

**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.

To produce a bevelled cut, ( $0 > 45\%$ ), use the bevel adjustment knob to alter the sole plate angle.

### Quick Tip

Because power saws cut on the 'up stroke', the workpiece's uppermost face may be marred by chipping or splintering. Marking cut lines with a knife may reduce damage, but it is still best to saw with the work face down.

When using a circular saw to cut wood along the grain (it's known as 'ripping') use the saw's 'rip fence' as a guide to help keep the cut parallel to the edge of the workpiece. This can be set (or removed completely) by loosening the adjustment knob. If using the fence proves impractical – as it will if you are cutting a long way from the edge – temporarily pin a timber batten to the work and use that to guide the saw instead.

### EQUIPMENT CARE

**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 unplug the tool.**

**Never over-tighten nuts, knobs and screws** when making adjustments, particularly when changing blades, you could damage the tool.

**Never use a power saw to cut through timber containing nails, screws and other obstacles.** It is dangerous and will damage the saw.

### FINISHING OFF

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

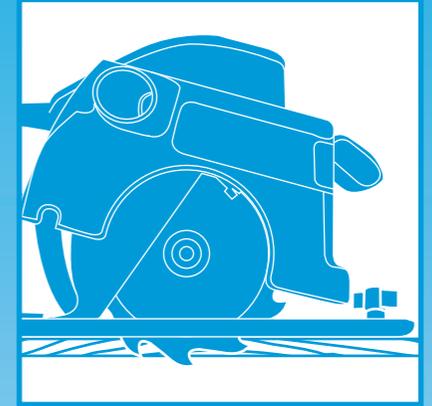
**Finally, double check that all accessories supplied are ready to be returned with the tool.**



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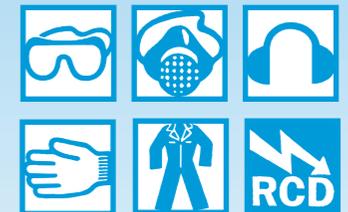
## Operating & Safety Guide 719

# HSS Hire Shops



## Circular Saws

230mm & 150/165mm models, for cutting timber to size.



Code 03211/03201

## GENERAL SAFETY

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

Keep children, animals and bystanders away from the work area.

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

This equipment should only be used by a competent person who has read and understood these instructions.

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

 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.

 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.

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

Always unplug the tool before carrying it or making adjustments to it.

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.

Think twice before locking the ON/OFF trigger in the ON position using any trigger lock button fitted.

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 remove or otherwise interfere with any safety guards fitted to the saw. The riving knife is there to keep the cut open, so, do not remove or adjust it.

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

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

Information on COSHH regulations is available from your local HSS Hire Shop.

## ELECTRICAL SAFETY

Most HSS Circular Saws plug into a standard 13amp power socket. However, 110V models (with a round yellow plug) must be provided with a suitable 110V generated supply, or powered from the mains via a suitable 110V transformer.

If the equipment fails, or if its flex or plug gets damaged, return it. Never try to repair it yourself.

Keep flexes out of harm's way, and clear of the work area.

Extension leads should be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone.

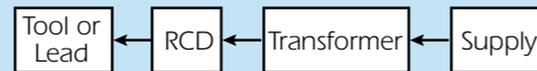
Using electrical equipment in very damp or wet conditions can be dangerous.

 To reduce the risk of electric shock, use a suitable RCD (Residual Current-Operated Device) available from your local HSS Hire Shop, or power 240V (not 110V) equipment from a power circuit with a built-in RCD.

### Siting an RCD

When used with a transformer an RCD will only protect the user if fitted between the transformer and the tool being used.

An RCD fitted between the power supply and the transformer only protects up to the transformer.



Never carry or pull the equipment by its flex.

Ensure the machine and power socket are switched OFF before plugging into the power supply.

## GETTING STARTED

Having double-checked that it is unplugged and switched OFF, fit the tool with the appropriate blade for the job.

Push in the shaft locking button to stop the blade rotating and remove the blade retaining nut and washer using the hex key provided.

Pull back the safety guard and slide on the new blade (ensuring its teeth point the same way as the arrow on the saw). Then replace the washer and retaining nut and re-tighten before releasing the shaft locking button.

