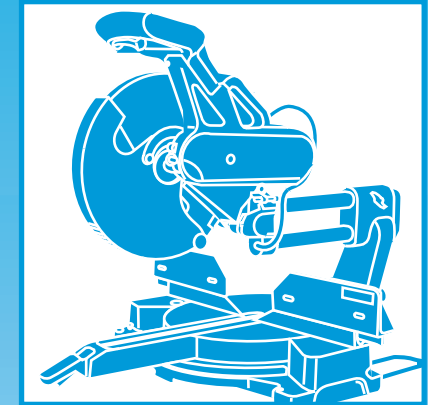
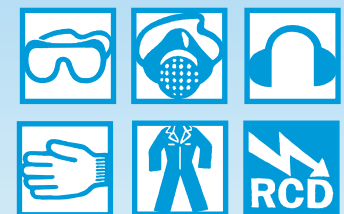


# HSS Hire Shops



## Double Bevel Mitre Saw

For cutting accurate mitres & compound mitres.



Code 03421

### EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact your local HSS Hire Shop for advice.

Keep the equipment clean – paying special attention to the air vents. You will find this less of a chore if you clean them regularly, rather than wait until the end of the hire period.

When not in use, store the equipment somewhere clean, dry and safe from thieves.

### FINISHING OFF

Switch OFF and unplug the equipment.

Clean off sawdust and dirt, paying special attention to the motors ventilation slots.

Lower the cutting head and secure in the lower position by depressing the lock down pin. Retract the 2 rear stabilisers and lock in position.

Set and lock the mitre table @ 60 degrees to the right, secure the rail lock knob with the cutting head fully forward, lock the bevel lever with the bevel angle set at '0' and finally set the sliding rear fences fully in.

The unit can be lifted using the top handle.

Finally, neatly coil the flex and give the tool a final clean ready for return, to your local HSS Hire Shop.



### ...any comments?

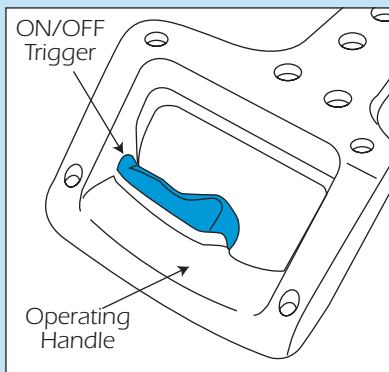
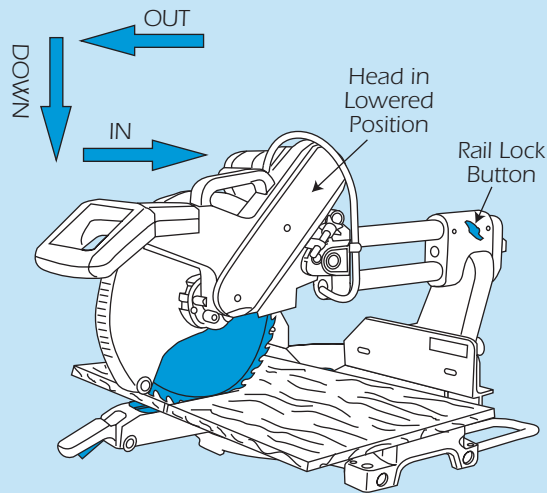
If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

Fax: 0181-687 5001

©HSS Hire Service Group Plc 1999 No. 874/01  
Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS

Web Site: <http://www.hss.co.uk>

### Cutting Action



Where a bevel cut only is required the maximum capacity @ 45 degrees is; left bevel 81mm x 305mm and for a right bevel 43mm x 305mm.

Always position yourself so you can control the cutting operation while staying clear of the saw blade.

Always keep the saw table clear of off cuts and other debris.

For precision work, always make a test cut to check the saw's settings.

HSS Double Bevel Mitre Saws come with tungsten tipped blades that can both rip and cross cut. But even these blunt eventually. So, if you notice the blade burning the timber, contact your local HSS Hire Shop.


## GENERAL SAFETY

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


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 test area.


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

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

 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.

Ensure the work area is well lit and ventilated, if in doubt, ask about dust extraction and ventilation equipment at your local HSS Hire Shop.

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

Always switch OFF and unplug the machine before making adjustments to it. Check that it is switched OFF and that you have removed all spanners and keys before plugging it back in.

Having switched OFF, always wait for the blade to come to rest before removing or replacing the workpiece.

Never carry or pull the equipment by its power supply cable.

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

Ensure the guard is operating correctly before starting work. If it does not close automatically and

cover the blade, STOP and contact your local HSS Hire Shop for advice.

## ELECTRICAL SAFETY

Most HSS Double Bevel Mitre Saws plug into a standard 240v 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 (minimum 2.2kVA tool rating).

If the equipment fails, or if its power supply cable 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 the equipment from a mains circuit with a built-in RCD.

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

## GETTING STARTED

Set the saw on a firm workbench, if desired, fit a dust extraction unit, ask at your local HSS Hire Shop for details. If vacuum dust extraction is not used, ensure the work area is well ventilated.

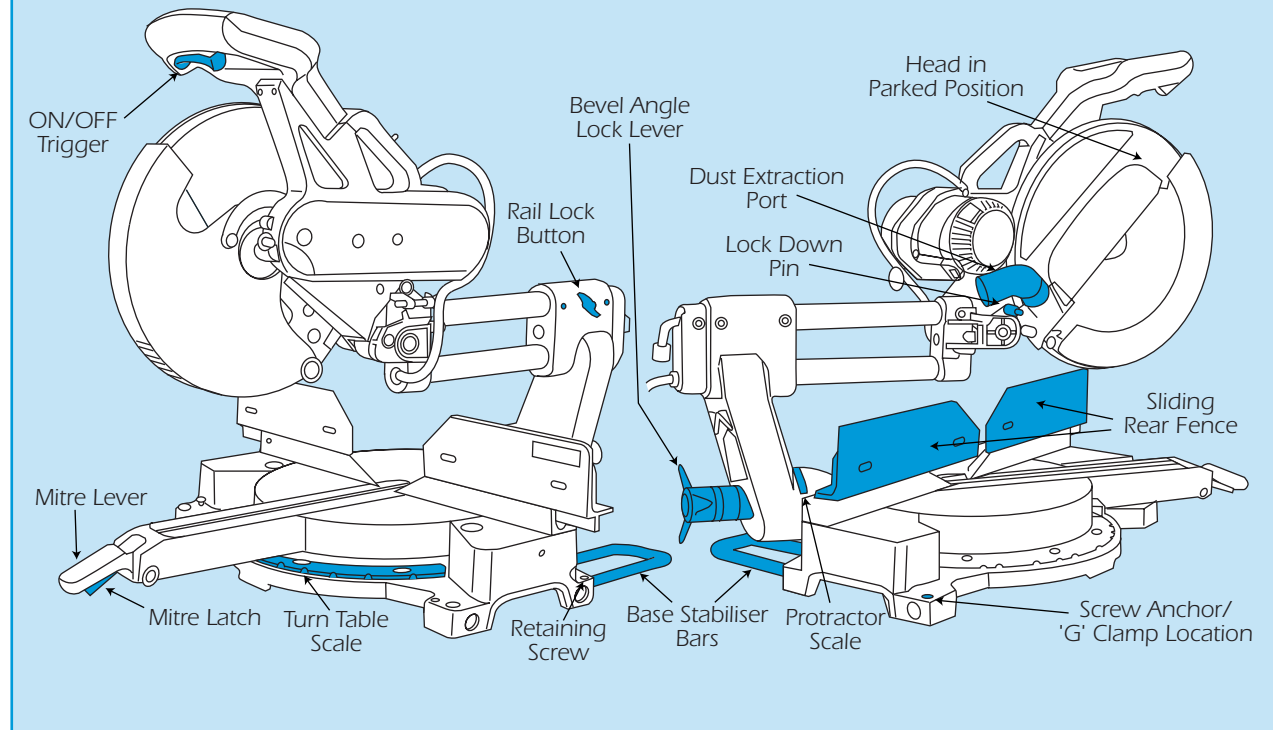
To ensure the unit is stable, pull out the 2 rear base stabiliser bars until they are in contact with the workbench then tighten the retaining screw. For additional stability the unit can be fixed to the workbench either by using screws through the 4 holes in each corner, or by using small 'G' clamps at the same location.

Where long pieces of timber are to be cut, prepare a suitable side support for the length. Make sure the support is at exactly the same height as the bed of the unit.

When any adjustment is made to the mitre or bevel angles, the sliding rear fences must be re-set to ensure they support the workpiece without coming in contact with the blade.

To start the saw, squeeze and hold the ON/OFF trigger, to stop simply release the trigger.

## Double Bevel Mitre Saw



All that now remains is to connect the saw up to its power supply and switch the supply ON.

## BASIC TECHNIQUES

To make a cross cut, check that the mitre is set at '0' if not, loosen the mitre lever and squeeze the mitre latch up, adjust the mitre setting to '0' and re-tighten the mitre lever. When you wish to change the mitre position follow this instruction.

Hold the workpiece against the saw's rear fence. The saw's action should keep it there, but if it rides up or pulls away from the fence, secure it with a G-clamp.

Take a firm grip of the operating handle and depress the head lock release lever, squeeze the ON/OFF trigger and, having allowed the blade to reach full speed, lower the blade into the work.

Once the cut is finished, return the saw head to its 'parked' position and release the trigger.

To cut wide materials, unscrew the rail lock knob by 1 full turn.

Using an out - down - in motion, begin the cut as already described. Once the blade is through the work simply raise the head.

For mitres, select the required angle from the turntable scale and operate the saw as above for either standard or wide material.

To set the bevel angle, slacken the lever at the rear of the saw and tilt the saw head to the left or right, reading the angle off the protractor scale. Once you have aligned the required angle, re-tighten the lever to lock the saw head in place.

Any angle up to 45 degrees can be chosen on the protractor scale. Alternatively, locate the locking catch on the turntable's underside for a pre-set angle: 0, 15, 22.5, 30 or 45 degrees.

Once the correct angle has been selected, simply re-engage the mitre lever and tighten the mitre latch.

For compound mitres, set the desired bevel and mitre angle. You can move the turntable to the left or right and tilt the cutting head to the left or right. This saves you having to remove the workpiece and re-align it each time.

**NOTE:** In the cross cut mode, this saw will cut timber up to 102mm thick and 305mm wide. When cutting a mitre, the capacity will reduce to a maximum of 102 x 216mm.