Woodworking Machines – Mitre Saws Fact Sheets



WHAT SHOULD YOU DO BEFORE USING A MITRE SAW?

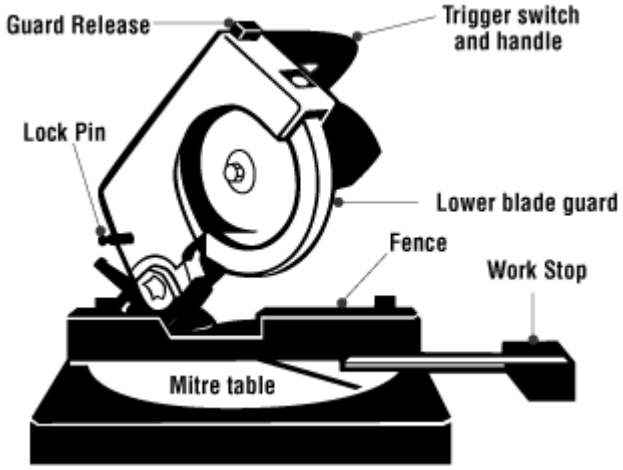
Mitre saws can be dangerous if not used properly.

- Read the owner’s manual carefully.
- Make sure you know and understand the instructions before attempting to use any tool or machine.
- Learn the applications and limitations before use.

WHAT SAFETY PRECAUTIONS SHOULD YOU FOLLOW WHEN USING A MITRE SAW?

- Wear safety glasses or goggles, or a face shield (with safety glasses or goggles).
- If work is dusty, use a dust extraction system, and/or respirator or dust mask.
- Wear appropriate hearing protection.
- Wear protective footwear when required.
- Attach the saw firmly on a workbench or other rigid frame and operate saw at waist height. The saw can also be taken to remote locations by mounting it on a piece of plywood 13 mm (1/2 in.) or thicker. This plywood (and saw) must be clamped to a waist high work surface on the job site with large “C” clamps.
- Make sure any adjustments are secure before making a cut. Only make adjustments when the power is off and the machine is not moving.
- Keep one hand on the trigger switch and handle and use the other hand to hold the stock against the fence.
- Keep hands out of the path of the blade.
- Keep guards in place and in working order.
- Remove adjusting keys and wrenches.
- Use a crosscut or combination blade.
- Ensure that the blade rotates in the correct direction.
- Ensure that the blade and arbor collars are secure and clean. Recessed sides of collars should be against blade.
- Keep blade tight, clean, sharp and properly set so that it cuts freely and easily.
- Only cut one work piece at a time
- Allow motor to reach full speed before cutting
- Wait for the saw to stop moving before removing the work.
- Follow instructions for lubricating and changing accessories.
- Keep the work area clean. Cluttered areas and benches invite incidents.

- Keep the work area well lit.
- Reduce the risk of unintentional startup. Make sure saw switch is in OFF position before plugging in.
- Unplug tools before servicing and when not in use.
- Check for damage. Repair or replace damaged parts.
- Keep motor air slots clean and free of dust and chips.
- Use only the accessories designed for the specific saw and job.



WHAT SHOULD YOU AVOID WHEN USING A MITRE SAW?

- Do not operate the saw when placed on the ground.
- Do not cut pieces smaller than 20 cm (8 in.) in length.
- Do not cut stock that has loose knots, splits, defects or foreign objects (e.g., metal stone) in it. Do not cut solid timber along the grain.
- Do not cut “free hand.” The stock should lie solidly on the table against the fence.
- Do not reach around or behind the saw blade.
- Do not take your hand away from the trigger switch and handle until the blade is fully covered by the lower blade guard.
- Do not overreach. Keep proper footing and balance at all times.
- Do not force the saw. The saw cuts better and more safely at the rate for which it was designed.
- Do not leave the saw until it has stopped completely. Turn the power off and unplug the saw.
- Do not use electric tools in damp or wet locations.
- Do not operate electric tools near flammable liquids or in gaseous or explosive atmospheres. Sparks may ignite fumes.

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