

# Health & Safety Guidance

## POWER TOOL GENERAL SAFETY INSTRUCTIONS

**WARNING:** When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury including the following. **Note:** This power tool should not be powered on continuously for a long time.

**WARNING:** Read all safety warnings and instructions before attempting to operate this product and save these instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

### 1. General Power Tool Safety Warnings

#### [Work area safety]

- a)** Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b)** Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gasses or dust. Power tools create sparks which may ignite the dust or fumes.
- c)** Keep children and bystanders away while operating power tool. Distractions can cause you to lose control.
- d)** Do not use this machine in an enclosed room.

### 2. General Power Tool Safety Warnings

#### [Electrical Safety]

- a)** 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 the risk of electric shock.
- b)** 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.
- c)** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d)** 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.

**e)** If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

### 3) General Power Tool Safety Warnings [Personal Safety].

- a)** 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.
- b)** Use personal protective equipment. Always wear eye protection to prevent injury from sparks and chippings. Protective equipment such as dust masks, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- c)** 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 the power tools that have the switch on invites accidents.
- d)** Remove any adjusting key or wrench before turning the power tool on. A wrench or key left attached to a rotating part of a power tool may result in personal injury.
- e)** Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f)** 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.
- g)** If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- h)** When cutting metal, gloves should be worn before handling to prevent from getting burnt from hot metal.

### 4) General Power Tool Safety Warnings [Power tool use and care].

- a)** 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 a rate for which it was designed.
- b)** Do not use the power tool if the switch does not turn it on or off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c)** Disconnect the power tool from the power source and/or battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventative safety measures reduce the risk of starting the power tool accidentally.
- d)** 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.
- e)** Maintain power tools. Check for misalignment or binding of moving parts, breakage of moving 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.
- f)** Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g)** Use the power tool, accessories and tool bits etc. in accordance with these instructions, 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.
- h)** Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

### 5) Battery tool use and care

- a)** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

- b)** Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- c)** When battery pack is not in use, keep it 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.
- d)** Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- e)** Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- f)** Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion. Note: The temperature „130 °C“ can be replaced by the temperature „265 °F“.
- g)** Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

### 6) Service

- a)** 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.
- b)** Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

### HEALTH ADVICE

**WARNING:** If you suspect that paint on surfaces in your home contains lead seek professional advice. Lead based paints should only be removed by a professional and you should not attempt to remove it yourself.

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Once the dust has been deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage. The young and unborn children are particularly vulnerable.

**WARNING:** Some wood and wood type products, especially MDF (Medium Density Fibreboard), can produce dust that may be hazardous to your health. We recommend the use of an approved face mask with replaceable filters when using this machine, in addition to using the dust extraction facility.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Hearing protection should be worn in order to reduce the risk of induced hearing loss.

Eye protection should be worn in order to prevent the possibility of the loss of sight from ejected chippings.

Respiratory protection is also advised as some wood and wood type products especially MDF (Medium Density Fibreboard) can produce dust that can be hazardous to your health. We recommend the use of an approved face mask with replaceable filters when using this machine in addition to using the dust extraction facility.

Gloves should be worn when handling blades or rough material. Heat resistant gloves should be worn when handling metallic materials which may be hot. It is recommended that saw blades should be carried in a holder wherever practicable. It is not advisable to wear gloves when operating the mitre saw.

## SAFE OPERATION

Always ensure that you have selected the correct saw blade for the material being cut. Do not use this mitre saw to cut materials other than those specified in this Instruction Manual.

When transporting a mitre saw ensure that the cutting head is locked in the 90° down position (if a sliding mitre saw ensure that the slide bars are locked). Lift the machine by gripping the outer edges of the base with both hands (if a sliding mitre saw, transport using the handles provided). Under no circumstances

shall the machine be lifted or transported using the retractable guard or any part of its operating mechanism.

Bystanders and other colleagues must be kept at a safe distance from this saw. Cut debris can, in some circumstances, be ejected forcibly from the machine, posing a safety hazard to people standing nearby. Before each use check the operation of the retractable guard and its operating mechanism ensuring that there is no damage, and that all moving parts operate smoothly and correctly.

Keep the work bench and floor area clear of all debris including sawdust, chips and off-cuts.

Always check and ensure that the speed marked on the saw blade is at least equal to the no load speed marked on the mitre saw. Under no circumstances shall a saw blade be used that is marked with a speed that is less than the no-load speed marked on the mitre saw.

Where it is necessary to use spacer or reducing rings these must be suitable for the intended purpose and only as recommended by the manufacturer.

If the mitre saw is fitted with a laser it shall not be replaced with a different type. If the laser fails to operate it shall be repaired or replaced by the manufacturer or authorised agent.

The saw blade shall only be replaced as detailed in this instruction manual.

Never attempt to retrieve off-cuts or any other part of the work-piece until the cutting head is in the raised position, the guard is fully closed and the saw blade has stopped rotating.

## ADDITIONAL WARNINGS

(These warnings are specified in UL Std. 987 and CAN/CSA Std.C22.2 No. 71.2)

1. Keep guards in place and in working order.
2. Remove adjusting keys and wrenches. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. Keep work area clean. Cluttered areas and benches invite accidents.
4. Don't use in dangerous environment. Don't use power

tools in damp or wet locations, or expose them to rain. Keep work area well lit.

5. Keep children away. All visitors should be kept safe distance from work area.
6. Make workshop child proof with padlocks, master switches, or by removing starter keys.
7. Don't force the tool. It will do the job better and safer at the rate for which it was designed.
8. Use the right tool. Don't force the tool or attachment to do a job for which it was not designed.
9. Use proper extension cord. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An under-sized cord will cause a drop in line voltage resulting in loss of power and overheating. The table on the next page shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
10. Wear proper apparel do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewellery which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
11. Always use safety glasses. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are not safety glasses.
12. Secure work. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. Don't overreach. Keep proper footing and balance at all times.
14. Maintain tools with care. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories. Disconnect tools before servicing; when changing accessories, such as blades, bits, cutters, and the like.
16. Reduce the risk of unintentional starting. Make sure

switch is in off position before plugging in.

17. Use recommended accessories. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. Never stand on the tool serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. Check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. Direction of feed. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. Never leave tool running unattended. Turn power off. Don't leave the tool until it comes to a complete stop.

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