

## SELECTION

- Incorrect wheel selection is dangerous
- If in any doubt about wheel selection, application, and use, seek expert advice
- Ensure the machine maximum operating speed (RPM) is not greater than the wheel maximum operating speed (RPM)
- Never use an 'over size' wheel
- The wheel must only be used for the application it was intended for
- Do NOT use a Diamond wheel for cutting metal, unless it is specifically designed to do so

## WHEEL FITTING

- Always turn-off (and unplug the power cable of electrical machinery) before removing and fitting a Diamond wheel
- Diamond wheels should ONLY be fitted by a trained operator
- Observe the 'direction of rotation' markings shown on the wheel
- Do NOT mount the wheel onto any makeshift machinery
- The Wheel MUST only be mounted on a machine for which its use is intended
- The use of an incorrectly mounted wheel, can cause serious injury or death
- Ensure the wheel fitting flanges are clean, undamaged and are not worn
- Check the spindle and retaining nut threads are clean, burr-free and are not distorted
- Only use the correct spanner supplied with the machine when mounting or removing the wheel

## BEFORE USE

- ALWAYS read the Machine manufacturer's "Operating Instructions and Safety Information"
- Only use the wheel on a machine fitted with a secure and suitable Safety Guard
- NEVER remove the Safety Guard from the machine
- Do NOT use a machine which is not in perfect condition or one with a damaged guard
- Always visually inspect the wheel for damage before use, such as missing or damaged segments and damage or cracks in the body
- If the wheel is damaged, it must NOT be used
- The use of a damaged wheel can cause serious injury or death
- Machines using Diamond wheels must only be used by a trained operator

## DURING USE

- Do NOT allow the saw to 'bounce' on the material being cut and ensure the wheel does not get trapped or pinched in the cut
- If excessive vibration is felt during use, stop the machine immediately and replace the wheel
- If, after replacing the wheel, further vibration occurs, stop the machine immediately and have the machine inspected
- Always allow the wheel to come to a natural rest after use and do not apply force to stop the wheel from rotating
- Ensure the work-piece is firmly secured and cannot move while being cut

## PPE

- During use there is danger of serious injury from sparks, flying debris, dust, fumes and noise
- Always wear Personal Protective Equipment (PPE)
- Including Eye and Face Protection, Respiratory Protection, Hearing Protection, suitable Body and Foot Protection and appropriate work gloves
- Always seek expert advice for the selection of suitable PPE

## RISK ASSESSMENT

- Always 'risk assess' a job first
- Keep the work area tidy and uncluttered
- Avoid working on slippery, uneven or unsafe work surfaces
- Always ensure adjacent workers and any 'passers-by' are adequately protected
- Ensure there are no flammable materials in the work-area, as operating sparks can cause fire or explosion
- Never work on a ladder, or in any position where you do not have full and safe control of the machine
- Ensure loose clothing and long hair is fastened or tied-back to avoid it getting entangled within the machine
- There is danger from accidental contact with the wheel and the work-piece, which may be very hot and can cause injury