

Don't get caught with your guard off..



PLANT & TOOL HIRE

Eterna Blades

...it could be dis-arming.



Tool Box Talk

- Diamond Blades & Cores

- The Abrasive Wheel Regulations 1970 have now been replaced by The Provision and Use of Work Regulations 1998 (PUWER) which places a greater emphasis on the need for training, and widens the scope of those who need to be trained.



Diamond Blades & Cores used within the Construction Industry

- The purpose of this talk is to provide you with some precautions which can be taken to prevent accidents taking place while using Diamond Blades & Cores.



Before Using a Diamond Blade or Core – Do

- Read the safety instructions provided by the supplier
- Ensure that the blade/core is suitable for its intended use.
- Handle and store blades/cores with care.
- Visually inspect and ring blades/cores before fitting.
- Check mounting flanges are clean and free from burrs, they are the correct diameter and recessed where applicable (blades).



Before Using a Diamond Blade or Core – Do

- Ensure that work rests are properly adjusted and not more than 3mm away from the periphery of the blade.
- Always use a correctly designed and adjusted blade guard.
- Conduct a trial run at operating speed with the guard in place for at least one minute standing clear of the machine before use.
- Wear appropriate personal protective equipment (PPE)
- Turn off the water supply before stopping the blade/core to avoid creating an out of balance condition.



Before Using a Diamond Blade or Core – Don't

- Allow untrained personnel to mount or use diamond blades/cores.
- Use a blade/core that has been dropped or damaged.
- Force a blade/core onto the mounting device or modify the size of the mounting hole.
- Exceed the maximum operating speed marked on the blade/core.
- Apply shock or excessive force on the blade/core.
- Use mounting flanges which are not clean or flat.



Before Using a Diamond Blade or Core – Don't

- Tighten the mounting nut excessively.
- Trap the work piece between the blade and the work rest.
- Start the machine until the guards are in place and fastened securely.
- Stand directly in front of the cutting wheel whenever the machine is in operation.
- Cut material for which the blade/core is not designed.
- Stop the blade/core by applying pressure to its surface. Let it stop naturally.



Personal Protective Equipment - PPE

- Operators/users of Diamond Blades/Cores should be aware of all aspects of safety and be trained in the use of the appropriate PPE.
- This will safeguard their health and safety and minimise the risk of injury.
- PPE such as the following should be considered:
 - **Hard Hat**
 - **Gloves**
 - **Goggles**
 - **Ear defenders**
 - **Safety footwear**



Regulations

- Regulations that should also be considered when using Diamond Blades/Cores
- The Management of Health & Safety at Work Regulations 1999
- The Control of Substances Hazardous to Health Regulations 2002
- The Personal Protective Equipment Regulations 1992
- Workplace (Health, Safety and Welfare) Regulations 1992
- Electricity at Work Regulations 1989
- Supply of Machinery (Safety) Regulations 1992