

## Abrasive Wheels

**Overview** This talk will cover hazards and using portable and bench-mounted abrasive wheels.

### Hazards

- 1 The speed of the machine must not exceed the maximum permissible speed of the wheel. Many accidents are caused by the wheel over speeding.
- 2 Don't exert heavy pressure on the wheel.
- 3 Never use the side of the wheel.
- 4 Keep your fingers away from the cutting edge of the wheel.
- 5 Ear and eye protection must always be worn.



### Using portable abrasive wheels

- 1 Don't mount an abrasive wheel unless authorised in writing and trained to do so.
- 2 Only reinforced discs to be used on hand-held machines.
- 3 Check the maximum wheel speed is greater than the maximum spindle speed before fitting.
- 4 Adjust the guards to expose the minimum wheel surface necessary for the operation.
- 5 Be aware of other workers in your area, don't put them at risk by your actions.

### Using bench-mounted abrasive wheels

- 1 Adjust the tool rest as close as possible to face of wheel.
- 2 Keep the glass screen in the safety position.
- 3 Keep your fingers below the tool rest level.
- 4 Use the correct grade of wheel for the work in hand.
- 5 Keep the face of the wheel evenly dressed.
- 6 After fitting, run a replacement wheel for a full minute before attempting to use it. Stand clear during the test.
- 7 Stop the wheel when not in use.

- **Note to the supervisor:** Now inform your workforce of the company policy regarding the working with abrasive wheels.

**Do you have any questions for me?**

**REMEMBER** ABRASIVE WHEELS MUST ONLY BE FITTED BY A TRAINED AND COMPETENT PERSON.