

Abrasive Wheels

Prepare: Quiet location? No distractions? Talk aids ready?

Reason: Most accidents involving abrasive wheels are due to the wrong type of wheel being fitted

Why: Wheels should be fitted by a competent person.

Outline: This talk will cover hazards and using portable and bench mounted abrasive wheels



Hazards

- The speed of the machine must not exceed the maximum permissible speed of the wheel. Many accidents are caused by the wheel overspeeding.
- Do not exert heavy pressure on the wheel.
- Never use the side of the wheel.
- Keep your fingers away from the cutting edge of the wheel.
- Ear and eye protection must always be worn.

Q: What must you remember regarding the speed of the wheel?

Using Portable Abrasive Wheels

- Do not mount an abrasive wheel unless authorised in writing and trained to do so.
- Only reinforced discs to be used on hand held machines.
- Check that the maximum wheel speed is greater than the maximum spindle speed before fitting.
- Adjust the guard to expose the minimum wheel surface necessary for the operation.
- Be aware of other workers in your area, do not put them at risk by your actions.

Q: What type of discs must be fitted to portable machines?

NOTES

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Abrasive Wheels

Do you have any questions for me?

Questions for you:

Q: What must be worn when using abrasive wheels? Q.

Which part of a wheel should not be used?

Q. Who should mount and adjust abrasive wheels?

REMEMBER:

ABRASIVE WHEELS MUST ONLY BE

FITTED BY A TRAINED AND COMPETENT PERSON

Sources

<https://www.hse.gov.uk/statistics/pdf/fatalinjuries.pdf>

<https://www.hse.gov.uk/statistics/industry/construction.pdf>

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