

COURSE CONTENT OVERVIEW

# Abrasive Wheels



This Abrasive Wheels training course teaches learners about the risks of working with abrasive wheels and how they can implement controls to reduce them. This includes content on safe working practices, the correct procedures for handling, mounting, and storing abrasive wheels, and further safety precautions.

The course explains manufacturer, employer and employee responsibilities under health and safety legislation. As well as explaining how to work safely with abrasive wheels, it also details how to complete a risk assessment and what specific hazards to look out for.

#### **Module One: Introduction to Abrasive Wheels**

This module offers an introduction to abrasive wheels, including the risks of working with them. It covers manufacturer, employer and employee responsibilities. It also outlines important pieces of legislation that you must comply with.

- Types of abrasive wheels
- Dangers of abrasive wheels
- Manufacturers responsibilities
- Abrasive wheels and the law
- Employer responsibilities
- Employee responsibilities
- HSE guidance

#### **Module Two: Risk Assessment**

This module explains how to conduct an adequate risk assessment to ensure risk is assessed, controlled and monitored so that employees remain safe from harm.

- What is a risk assessment?
- Who should carry out a risk assessment?
- Step One: Identifying hazards
- Step Two: Decide who might be harmed and how
- Step Three: Evaluate the risks
- Step Four: Record the findings
- Step Five: Review and update

#### **Module Three: Safe Practices for Abrasive Wheels**

This module explains the training needed for anyone who stores, handles, mounts, uses or dresses abrasive wheels.

- The hierarchy of control
- Wheel speed
- Wheel handling and storage
- Wheel mounting
- Mechanical guards and work rests
- Safe working practices
- Inspections and checks
- Safely dressing abrasive wheels

#### **Module Four: Further Abrasive Wheel Hazards and Controls**

This module describes precautions for control of harmful dusts from grinding and cutting-off, as well as risks from vibration and noise. It also examines fire risks, electrical safety and portable grinders. It also outlines what to do in the case of emergency. Prevention of eye and face injuries

- Harmful dusts
- PPE markings
- Vibration risks
- Noise reduction and control
- Fire risks
- Electrical safety
- Hand-held grinding and cutting-off tools
- Training, communication and monitoring
- Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR)
- First aid and emergency procedures

## Aims of the training

By taking this course learners will be able to:

- Identify the main types of abrasive wheels and their equipment, and will understand the hazards and risks associated with them.
- Understand the legal requirements placed on manufacturers, employers and employees for the safe use of abrasive wheels.
- Know how to carry out a risk assessment for the safe use of abrasive wheels.
- Be aware of the control measures needed to reduce or eliminate the risks associated with abrasive wheels, including harmful dusts, vibration, noise, fire and electrical risks.
- Understand how to safely handle, store, mount, use, dress and inspect the main types of abrasive wheels.