

Abrasive Wheels

1 Day Course



This course is designed to meet the requirements of the training obligations referred to within the Provision and Use of Work Equipment Regulations 1998 which replaces the Abrasive Wheels Regulations 1970.

Session 1 Introduction and Setting Course Objectives

Session 2 Risks Arising from the Use of Abrasive Wheels

Problems associated with the breaking of abrasive wheels and from contact with moving wheels. Noise and dust. The effects of prolonged exposure to vibration. Safe use of abrasive wheels.

Session 3 Understanding Abrasive Wheels

The make-up and functions of the different types of abrasive wheels. Selecting the correct type of wheel for the purpose. Methods of marking abrasive wheels as to type and speed. Mounted points.

Session 4 Inspection and Testing and Storage

Methods of inspecting and testing an abrasive wheel to check for damage. Storing, handling and transporting abrasive wheels.

Session 5 Portable and Bench Grinders

Selecting grinding machines. General safety with portable electrical equipment. Portable appliance testing of electrical grinders. Petrol driven machines. Air driven grinders. Bench grinders and fixed cutting off machines. The function of all components used with abrasive wheels. The adjustment of the rest of the abrasive wheel.

Session 6 Guarding Abrasive Wheels

Understanding the types of guards used on the various grinding machines. Adjustment of guards.

Session 7 Mounting Abrasive Wheels

Correct mounting of the various types of abrasive wheels. Carrying out all of the necessary checks. Starting machines with new wheels. Truing and dressing wheels on bench grinders.

Practical Exercise

Session 8 Personal Protective Equipment

Appropriate workwear when using abrasive wheels. The use of eye protection and fixed shields. Hearing protection.

Session 9 Course Review and Conclusion

Course Objectives

On completion of the course, delegates should be able to:

- identify the type of an abrasive wheel by the markings;
- inspect and test an abrasive wheel for damage;
- know the functions of all components used in the mounting of abrasive wheels; and
- mount abrasive wheels and use them safely.

Maximum number of delegates: 10