



# THE SAFE USE OF HANDHELD ABRASIVE WHEELS

## COURSE CONTENT

### AIM

To provide staff with the skills and knowledge to achieve the standards of competence in the safe use and changing of handheld abrasive wheels.

### Pre-Requisite

Knowledge of portable grinding equipment.

### Course Duration

½ day.

### Maximum Number

10 persons.

### Training Aids

Lecture notes and audio/visual presentation.

### Assessment

Written test.

### Certification

On successful completion of the course candidates will receive a NETA certificate which will be forwarded to the delegate or their sponsor company.

Please Note: NETA certificates have an advised expiry of 3 years from date of issue.

### Additional Information

Meeting the needs and expectations of service users is of the highest priority to our staff. Therefore if you have any concerns or wish to make a comment about the service please contact: [info@NETA.co.uk](mailto:info@NETA.co.uk)

## **COURSE OBJECTIVES**

On completion of the course delegates will be aware of:

- The hazards associated with the use of grinding/cutting discs and precautions that should be observed
- The markings on grinding/cutting discs
- Methods of storing, handling and transporting grinding/cutting discs
- Methods of inspection and testing of grinding/cutting discs to check for damage
- Using grinding/cutting discs correctly
- The function of all components used with grinding/cutting discs including flanges, washers and bushes
- Knowledge of the correct and incorrect methods of assembling all components and correct balance of grinding/cutting discs
- The requirements of the safe use of grinding/cutting discs
- PUWER 1998
- Noise at Work Regulations 2005
- COSHH Regulations 2002
- Health & Safety at Work Regulations 1999
- HASAWA 1974
- Personal Protective Equipment (PPE) Regulations 2002
- Safe use of grinding/cutting discs
- Control of Vibration at Work Regulations

## **COURSE SYLLABUS**

### **Introduction**

- Legislation, Regulations and Code of Practice
- Guidelines and Safe Methods of using Handheld Abrasive Wheels
- Care, storage and transport of Handheld Abrasive Wheels

### **Safety in Grinding Operations**

- Examination, handling and storage
- Selection of wheels
- Handheld Abrasive Wheel speeds
- Peripheral and angular speed
- Factor of safety

### **Handheld Abrasive Wheels Characteristics**

- Marking system
- Permissible working speed

### **Mounting of Handheld Abrasive Wheels**

- Driving flange
- Clamping bolts
- Securing the wheel
- Inspection before mounting
- Testing the wheel
- Uniformity of diameter
- Checking the speed
- Starting the wheels

### **Machine Guards**

- Purpose and construction
- Exposure angles
- Additional protection

### **End of Course - Written Assessment and Test**

**Please Note: This course does not include the practical use of or training on portable grinding equipment.**