

THE SAFE USE OF HANDHELD ABRASIVE WHEELS - HANDHELD, FLOOR AND BENCH MOUNTED

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 including handheld, floor and bench mounted.

Pre-Requisite

Previous knowledge of pedestal and portable grinding equipment is required.

Course Duration

1 day.

Maximum Number

10 persons.

Training Aids

Lecture notes, audio/visual presentation and practical demonstration of correct use of handheld, floor and bench mounted abrasive wheels.

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

COURSE OBJECTIVES

On completion of the course delegates will be aware of:

- The hazards arising from the use of grinding/cutting discs and precautions which should be observed
- Methods of marking grinding/cutting discs
- Methods of storing, handling and transporting grinding/cutting discs
- Methods of inspection and testing grinding/cutting discs to check for damage
- Using grinding/cutting discs equipment correctly

- The function of all components used with grinding/cutting discs including flanges, washers, bushes and nuts used in mounting
- Knowledge of the correct and incorrect methods of assembling all components and correct balance of grinding/cutting discs
- The proper method of dressing grinding/cutting discs
- The adjustments of rests of grinding/cutting discs
- The requirements of the safe use of grinding/cutting discs
- PUWER 1998
- Noise Regulations 1989
- COSHH Regulations 1999
- Management of Health and Safety at Work Regulations 1999
- HASAWA 1974
- Personal Protective Equipment 1992
- Safe use of grinding/cutting discs
- Grinding and surface preparation of grinding/cutting discs

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 and discs
- 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

- Flanges and materials for flanges
- Finish of bearing surfaces
- 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

Practical

Operation of Abrasive Wheels

- Truing and dressing
- Wheel balance
- Protection of eyes

End of Course - Written Assessment and Test

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

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