



## Safe Use of Abrasive Wheels – Fixed and Portable. Overview

This comprehensive training course has been specifically designed for personnel who need setup, use, select and change abrasive wheels and discs on bench or pedestal fixed machines and/or portable abrasive cutting and grinding machines such as 125mm battery grinder, petrol cutoff saw, etc.

### Course Content

- Introduction, Aim and Objectives
- Duties and responsibilities of stakeholders
- Applying MindSafety to operations
- Use of wearable tech to record HAVS exposure
- Hazards and risks associated with grinding operations
- The working environment and local exhaust ventilation
- Personal protective equipment requirements
- Types and design of abrasive wheels
- Factors Influencing the Selection of Grinding Wheels
- Methods of Inspection, including Visual & Ring Checks
- In-service maintenance of abrasive wheels
- Wheel Selection/Mounting/Dressing/Truing/Balancing
- Storing and handling of abrasive wheels
- Calculation of wheel speeds
- Wheel/Disc mounting sequence, safe procedure
- Tool rest/guard adjustment
- Safety devices, including guards e-stops and isolation requirements
- Refuelling two stroke machines (If applicable)
- Safety with electrical trailing leads
- Procedures for starting the disc cutter/grinder (if applicable)
- Basic grinding techniques



### Duration, ratios and certification

Duration varies, dependant on the course required.

1 Day

Maximum of 6 candidates per session

Certification options include:

C&G Services (Europe) Ltd certification

For further information on costs or course availability, please contact us  
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## Facilities and Equipment requirements

### Facilities

Suitable classroom with sufficient tables and chairs for candidates and trainer

White wall or projector screen, wipe board and/or flip chart

240 volt electrical supply

Adequate welfare facilities

Suitable workshop facilities including LEV as appropriate

### Equipment

Sufficient selection of items encountered in routine cutting/grinding operations.

Water supply for wet cutting operations/dust control.

Pedestal and/or bench mounted grinder complete with spare wheels, blotters etc.

110 volt Angle grinder complete with spanner, transformer, extension cable, RCD and guards (If required for training course)

Petrol disc cutter complete with correct fuel mix, dust suppression and disc changing tools

### PPE and work wear



**PLEASE NOTE:** This training course may contain practical elements that could generate harmful dusts. Candidates are to attend with their own, issued and face fit tested respiratory protective equipment (RPE).

**Responsibility cannot be taken for candidates arriving without the appropriately tested RPE.**

## A bit about us.

C&G Services are a multidisciplinary training organisation with a rich heritage in training and consultancy services. We continue to comply with all applicable statutory and regulatory requirements whilst maintaining ISO 9001 certification for our Quality Management System as well as holding many other Regulatory Body memberships, certifications and accreditations. This ensures that specific requirements of our customers can always be fully met.