

Training Standard



Title	Diamond tipped segmented blades
Duration	Minimum 1 day of 6 hours learning
Purpose/ scope	<p>The purpose of training against this standard is to provide the candidates with the knowledge and understanding of the use of diamond tipped segmented blades.</p> <p>The scope includes:</p> <ul style="list-style-type: none"> • characteristics of a diamond blade • methods of marking as to type and speed • methods of storage, handling and transporting wheels • methods of testing and inspecting for damage • function of all components and the correct method of mounting and balancing • the requirements of the regulations • the use of personal protective equipment • the difference between abrasive wheels and diamond cutting discs • blade segment technology & specifications • carry out cutting/grinding process • do's and don'ts
Occupational relevance	<p>Training delivered against this standard would be relevant to the following occupational group(s):</p> <ul style="list-style-type: none"> • operative and craft
Candidate pre-requisites	There are no candidate pre-requisites as part of this standard.
Instruction/ supervision	<p>Trainer approval through the Drilling & Sawing Association (DSA) - approved training provider route is required.</p> <p>As part of the DSA approved training provider route, as a minimum, course instructors must be able to demonstrate that, in relation to this standard, they have:</p> <ul style="list-style-type: none"> • a minimum of 5 years technically competent experience • a verifiable CV • a train the trainer or instructional techniques course certificate

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Delivery	<p>Delivery methods for this course are classroom, demonstration and practical.</p> <p>The course can be delivered off the job environment.</p> <p>The course is set out to show safe working and Industry practices. The diamond blade equipment and materials must be safe and sufficient and comply with the relevant legislation. The appropriate manufacturer's instructions must be accessible throughout the training.</p> <p>The class size and candidate/instructor ratio must allow training to be delivered in a safe manner and enable candidates to achieve the learning outcomes.</p> <p>The classroom and demonstration aspects of the course can accommodate up to 8 delegates per course. The practical elements will always be performed to a 6:1 candidate: trainer ratio.</p>
Assessment	For the successful completion of training, a learner will carry out an end-test in both theoretical and practical elements. These end-tests along with their contribution throughout the course will be evaluated by a competent trainer.
Quality assurance	<p>Quality assurance against this standard will require initial approval of the training organisation and their content mapped to the standard.</p> <p>CITB will also conduct an approval intervention, either desk-based or centre visit, to ensure the training organisation can meet the requirements of the Training Standard.</p> <p>Approved training organisations (ATOs) will be required to present information on records of training and assessment upon request to CITB for desk-based analysis. They will also be visited annually by the CITB quality assurance team.</p>
Renewal	Non-mandatory refresher recommended every 3 years
Approval date	November 2018
Review cycle	Either on request or in 3 years from approval date

Learning outcomes	Additional guidance to support learning outcome
<i>The candidate will be able to:</i>	
Undertake inspection and pre-start checks	Provisions and use of work equipment
Select correct specification of blade for materials to be cut	
Describe how to handle and transport	
Demonstrate how to safely use the machine including, measuring, setting up exclusion zone, securing, aligning, connecting water supply and cutting process. using hand sawing equipment	

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Be able to use and maintain hand tools and ancillary equipment.	
Describe the functions of diamond tipped blades and various types	
Describe how the diamond blade works	
Describe how to form saw cuts to depth	
A general understanding of maintenance	
Describe the two sources of industrial diamond	

Additional information about this standard

This standard has been established using the Drilling and Sawing Association: code of practice.

Drilling and Sawing Association:- www.drillandsaw.org.uk

Related standards

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