

Training Standard



Title	Wire sawing
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 carrying out wire sawing operations safely</p> <p>The scope includes:</p> <ul style="list-style-type: none"> - hazards - regulations - safe operations - various types of equipment - how the equipment works - components and methods of use - set up of wire saw in various positions - accessories (rotary percussive drill and crimping tool) - sawing techniques - troubleshooting
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	<p>Undertaken the basic course and have an understanding of abrasive wheels, including the safe use of the angle grinder and diamond drilling or completed the basic diamond drilling course.</p>
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 practices and Industry practices. The wire sawing 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	Select and use the correct ancillary equipment including personal protective equipment (PPE). Prepare area for wire sawing, including protection of surrounding area.
Fit correct specification of wire 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.	Operators Manual

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Be able to use and maintain hand tools and ancillary equipment.	
Describe the functions of all the components used with the wire saw	
Form cuts to given instructions using a wire saw	
Describe how to complete pre-start and post stop checks on the wire saw	
Describe how to set up and operate:	
Describe how to locate and protect services water, gas, electric etc	
Describe how to form openings and cut to line, depth and size	
Describe how to deal with voids	
General maintenance	

Additional information about this standard

This standard has been established using the Drilling and Sawing Association:code of practice and the national occupation standards (NOS) for QCF unit QCF226

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

Related standards

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