



Australian Government

Assessment Requirements for MEM06008 Hammer forge complex shapes

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM06008A Hammer forge complex shapes

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- selecting and using measuring guides
- setting up and safely operating hammer forging equipment and selecting and using complex open die tooling in accordance with procedures
- using appropriate and safe methods for holding, positioning and lifting complex shaped forged material, including hot materials
- performing hammer forging of complex shapes to meet specifications
- selecting and operating heating equipment to heat treat heavy and complex forgings.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- hammer tools and formers and their application to produce a range of hammer forged articles
- hammer forging and punching techniques
- procedures for measuring forged articles and numerical operations and calculations/formulae for complex shape tooling
- effects of material shrinkage and oxidation on the dimensions of the forged article
- methods of overcoming/allowing for the effects of shrinkage and oxidation when hammer forging articles
- procedures for safe handling of material to be hammer forged
- forging heating equipment and applications
- heat treatment processes for forging.

Assessment Conditions

- Assessors must:

- have vocational competency in hammer forging of complex shapes at least to the level being assessed with relevant industry knowledge and experience
- satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>