

Title	Make parts for firearms by hand forging		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: prepare to forge the firearm parts; make the parts to specifications; and complete the manufacturing requirements.
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Classification	Mechanical Engineering > Gunsmithing
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Must hold a current New Zealand firearm licence and endorsements. Prerequisites: Unit 21912, <i>Apply safe working practices on an engineering worksite</i> , and Unit 9125, <i>Make parts for firearms by hand forging under supervision</i> , or demonstrate equivalent knowledge and skills.

Explanatory notes

- 1 Persons possessing or working on firearms must comply with the licensing laws in accordance with the Arms Act 1983 and the Arms Regulations 1992.
- 2 Legislation
Arms Act 1983.
Arms Regulations 1992.
Health and Safety at Work Act 2015.
- 3 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider mechanical engineering industry sectors as examples of best practice.
Firearm is as defined by the Arms Act 1983.
Workplace procedures refer to procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, safety procedures, equipment operating procedures, drawings, job specifications, job breakdowns, assembly instructions, test procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 4 Range
Evidence of forging at least three different parts is required, two of which must be dissimilar springs with a locating peg or location lug.

- 5 Assessment information
All activities must comply with applicable workplace procedures and must be consistent with accepted industry practice.
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Outcomes and evidence requirements

Outcome 1

Prepare to forge the firearm parts.

Evidence requirements

- 1.1 Requirements for making the parts are identified and related to the parts' specifications.
- 1.2 Materials to be used for the parts are selected in accordance with the parts' specifications.
- 1.3 Equipment and tools to be used in forging the parts by hand are selected and prepared in accordance with workplace procedures.
- Range heating equipment may include but is not limited to – air forge, liquid petroleum gas (LPG), LPG and oxygen, oxy-acetylene.
- 1.4 Safety requirements when forging the parts and using equipment are identified and explained in accordance with workplace procedures.

Outcome 2

Make the parts to specifications.

Evidence requirements

- 2.1 Heating equipment is started and operated in accordance with workplace procedures.
- 2.2 Material is heated for forging to specified temperature.
- 2.3 Material is hand forged to shape for the parts in accordance with specifications.
- 2.4 Safety requirements are complied with in accordance with workplace procedures.

Outcome 3

Complete the manufacturing requirements.

Evidence requirements

- 3.1 Heating equipment is shut down in accordance with workplace procedures.

- 3.2 Parts made are identified in accordance with workplace procedures.
- 3.3 Documentation is completed in accordance with workplace procedures and any regulatory requirements.
- 3.4 Equipment, tools and work area are cleaned in accordance with workplace procedures.
- 3.5 Waste materials are disposed of in accordance with legislative requirements and workplace procedures.

Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 December 1996	31 December 2016
Revision	2	15 May 2002	31 December 2016
Review	3	23 April 2007	31 December 2017
Review	4	15 September 2016	N/A

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.