

J4.14 Produce chased products using advanced techniques SQA Unit Code H9V2 04

Unit Summary

This unit covers the skills and knowledge required to produce chased products, which includes the use of advanced techniques. In producing chased products, you will be required to work to instructions and to use a variety of techniques. You will be expected to take personal responsibility for your own actions and for the quality and accuracy of the work that you carry out

Performance Indicators

You will be able to:

- a) Correctly interpret drawings, specifications, then transfer to metal using appropriate tools and templates
- b) Design chased images
- c) Produce chased work that involves a range of **techniques**
- d) Produce a chased work that covers items of varying **sizes**
- e) Check that the completed work/work pieces are dimensionally accurate, correctly formed and free from excessive tooling, stretching and blemishes.
- f) Carry out work using chasing punches

Knowledge and Understanding

You will know and understand:

- 1) The methods used to illustrate and communicate ideas of chased designs
- 2) Relevant mathematical formulae and calculations
- 3) Methods of creating complex three-dimensional forms
- 4) The techniques of punch (textured and plain) manufacturing
- 5) The function of heat treatment techniques
- 6) How to identify the physical and working properties of different metals
- 7) How to use and select the correct tools and equipment for prescribed tasks and processes
- 8) Materials suitable for making jigs or aids to chasing single and double curvatures: Snarling
- 9) How to apply and use punches for forming techniques
- 10) Complex Silversmithing construction techniques, and advanced chasing/repousse techniques

Range

You are required to:

- A. Produce chased products using all of the following **techniques**:
 - (i) Repousse
 - (ii) Reverse relief work
 - (iii) Complex flat chasing

- B. Produce chased work of both of the following **sizes**:
 - (i) Large scale work
 - (ii) Small scale work