

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
General Certificate of Education Ordinary Level

METALWORK

6040/02

Paper 2 Practical Test

October/November 2005

3 hours

Additional Materials:
As listed in Instructions to Supervisors

INSTRUCTIONS TO CANDIDATES

All dimensions are in millimetres unless stated otherwise.

This document consists of **4** printed pages and **2** blank pages.



From the materials supplied you are to make the GATE LATCH shown in the drawings.

All dimensions are in millimetres.

The following materials are supplied:

Part 1 One piece BDMS $20 \times 3 \times 88$ long. Both ends squared.

Part 2 One piece BDMS $20 \times 3 \times 55$ long. Both ends squared.

Part 3 One piece BDMS $20 \times 5 \times 78$ long.

Part 4 One piece BDMS 6 diameter $\times 30$ long, prepared prior to the examination.

One M6 $\times 15$ long cheese head or round head screw and nut.

One bag in which to enclose work.

Two tie-on labels.

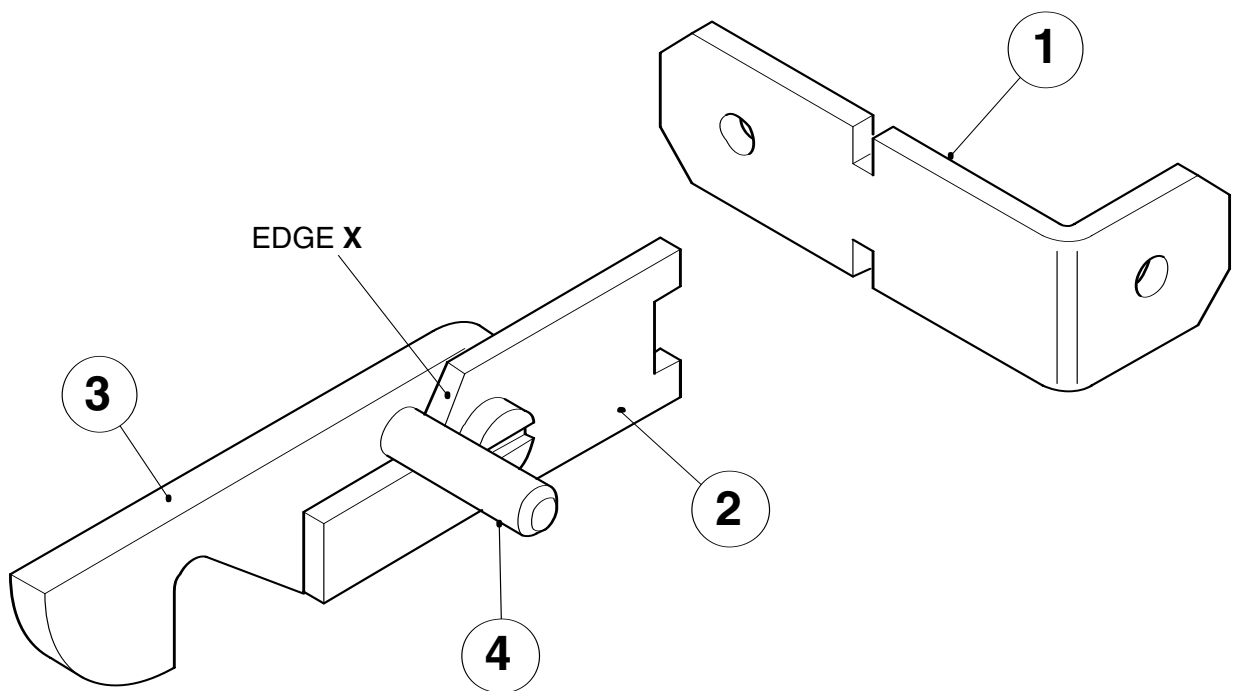
Notes

Working Procedures

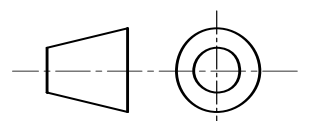
- A Part 1 is bent to 90° as shown using the former provided.
- B Part 1 is silver soldered to Part 2 and the joint filed flat.
- C Part 4 is riveted to Part 3 and filed flat.
- D The nut is used to lock the screw into Part 3 so that the screw can turn in Part 2.
- E It will be necessary to 'ease' edge **X** on Part 2 to allow Part 4 to move freely.

General Notes

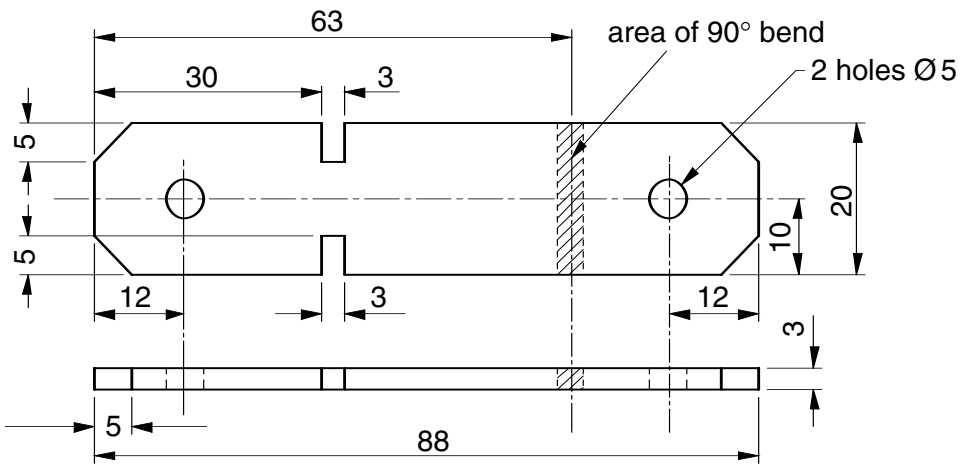
- A second supply of material is **not** allowed. If you make a mistake do your best to work as near to the dimensions given in the drawing as possible.
- Any dimensions omitted are left to your discretion.
- Attempt to complete all the work but remember that a partly completed piece of work of good quality may gain more marks than one which is complete but inaccurate or poorly finished.
- Clean up all parts by draw filing. Emery cloth or similar must **not** be used.
- Write your **name and examination number** on the labels supplied, attach **one** to your work and **the other** to the bag in which your work is enclosed. Put into the bag all worked and unworked materials, with the exception of waste.



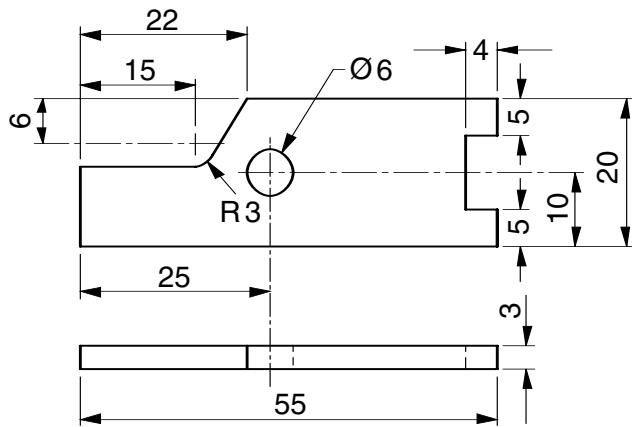
GATE LATCH



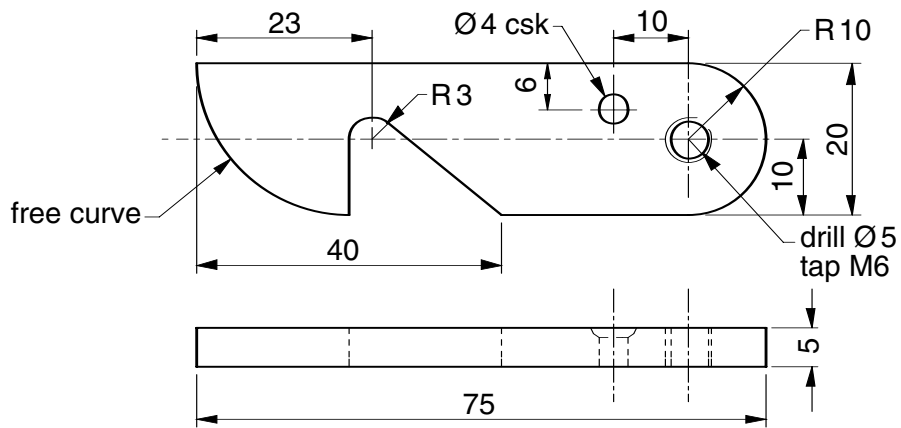
Dimensions in millimeters



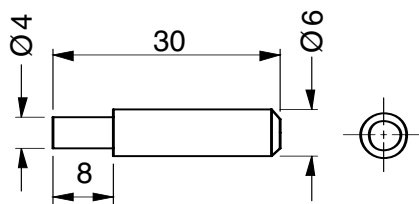
PART 1



PART 2



PART 3



PART 4

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