204: Installation of wiring systems and enclosures  
**Worksheet 1-070: Vice jaw protectors**

**NB**: Students must not attempt this exercise before the correct use of all tools and materials has been demonstrated.

**Technical data**

* You are to make sure that your work area is clear and safe for work to proceed.
* You are to make sure that all your work conforms to the requirements of the Health and Safety at Work Act.

**Material required**

|  |  |
| --- | --- |
| 1 off | Aluminium Strip 160 x 110 x 1.5mm |

**Procedure**

1. Enter the start time on the assessment sheet.
2. Complete the material requisition.
3. **Have the requisition checked before proceeding.**
4. Obtain the material from the stores.
5. Apply marking blue to one face of the aluminium strip and allow to dry.
6. Mark and cut the material into two equal widths.
7. Identify both pieces of your work with your initials using letter stamps.
8. **Have your work checked before proceeding.**
9. Mark and file the end of one piece square to one side.
10. Cut and file the other end square to the side and to the correct length.
11. Mark out the complete shape as shown.
12. Repeat items 9 to 11 above on second piece.
13. **Have your work checked before proceeding.**
14. Centre punch the position of the 3.3mm holes.
15. Drill holes **BY HAND**.
16. Saw cut and file both pieces to shape.
17. **Have your work checked before proceeding.**
18. Position one piece in the 102mm vice and bend to shape with a soft-faced hammer.
19. Repeat Step 18 with the second piece.
20. **Hand the work to the Lecturer for marking and assessment.**
21. Enter the finish time on the assessment sheet.

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| Exercise 01-070 Vice Jaw Protectors.png |

Assessments are based on **observed** safety procedures, and the **quality** and **accuracy** of the completed exercise.

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| --- | --- | --- | --- | --- |
|  |  | | **YES** | **NO** |
| **1.** | Material requisition correct first time | | **□** | **□** |
| **2.** | Method statement completed | | **□** | **□** |
| Assessed by: ………....………….. | | |  | |
| **3.** | Both strips of equal length | | **□** | **□** |
| **4.** | Both strips of equal width | | **□** | **□** |
| Assessed by: ………....………….. | | |  | |
| **5.** | Both strips ends square to sides | | **□** | **□** |
| **6.** | Both strips length marked out correctly | | **□** | **□** |
| **7.** | Both strips width marked out correctly | | **□** | **□** |
| **8.** | Both strips cut outs marked out correctly | | **□** | **□** |
| **9.** | Fold lines on both pieces in correct position | | **□** | **□** |
| **10.** | Fold lines marking caused no damage to material | | **□** | **□** |
| Assessed by: ………....………….. | | |  | |
| **11.** | Holes and cut-outs for both strips correct size | | **□** | **□** |
| Assessed by: ………....………….. | | |  | |
| **12.** | Both protectors fit correctly on 102mm vice | | **□** | **□** |
| **13.** | All burrs and sharp edges removed | | **□** | **□** |
| **14.** | Work identified correctly on final presentation | | **□** | **□** |
| **15.** | Work area conformed to requirements of HASAWA | | **□** | **□** |
| **16.** | Correct safety procedures observed at all times | | **□** | **□** |
| **17.** | Overall appearance to a commercially acceptable standard | | **□** | **□** |
| Assessed by: ………....………….. | | |  | |
| Start Date & Time: ………………........………….. | | Finish Date & Time: ……...…...........…………… | | |
| Target Time: 240 minutes | | Time Taken: …………………….........…………… | | |