

PRACTICAL TEST MARK SHEET FOR  
**FABRICATION PROCESSES (SHEET METAL)**



**WALL VENT**

**Level 2 Award and Certificate in Fabrication and Welding Practice**

Unit 7: Fabrication Processes (Sheet Metal)

Learner Name: .....

Centre Name: .....

For this practical test the learner will complete the fabrication and weld on low carbon steel

**Time Allowed = 14 hours**

**To be completed by the learner, by hand:**

1	Parent Material Type and/or Specification	
2	Parent Material Thickness	
3	Cutting Process(es)	
4	Forming Process(es)	
5	Joining Method Process(es)	
6	Time taken by learner	

## Part 1: Critical Dimensions

			Grade Awarded			
	Task	Specification and assessment criteria	D	M	P	F
1	Marking out, dimensional accuracy of Vent body	Length, width, height, safe edge, wiring allowance: Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
2	Marking out keyhole slot centres	Position of hole centres and slots relative to the edges/centre line and pitch to include overall slot widths and lengths: Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
3	Marking out dimensional accuracy of end plates	Length, width, height including wiring allowance and safe edge: Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
4	Cutting body and end plates to profile	Overall dimensions including notches, wiring, safe edge allowances and deburring: Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
5	Cutting slots	Centres, length, height, width and relative positions to C/line and edges and deburring: Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
6	Forming body	Bending to shape, including the part forming of the wired edge: Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
7	Forming end plates	Form to shape, including safe edges and partial wired edges: Distinction = 100% Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
8	Assemble wall vent	Spot weld or rivet together, finish the wiring. Check the squareness and freedom from twisting: Distinction = Correct Merit: $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
9	Dimensional checks overall	Check all dimensions to the drawing requirements: Distinction = Correct Merit: $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
10	Overall finish	Overall surface finish, freedom from surface defects and forming marks: Distinction: Completely free Merit: Very minor defects Pass: Minor marks and defects Fail: Significant marks and defects				
<b>How to determine the grade for Part 1:</b>			<b>D</b>	<b>M</b>	<b>P</b>	<b>F</b>
Distinction = 8 Distinctions + all other passes or higher Merit = 8 Merits + all other passes or higher Pass = No Fail grade Fail = Any Fail grade		<b>Grade Awarded for Part 1</b>				

Key:

D = Distinction

M = Merit

P = Pass

F = Fail

**Part 2: Completed Inspection**

			Grade Awarded			
	Element	Assessment Criteria (Pass / Fail only)	D	M	P	F
1	Body and end plates marked out, cut and formed in sequence	Accuracy for all operations				
2	Assembly to drawing specification	Squareness, no twists and to dimension				
3	Overall presentation	Deburred; freedom from tool marks; good finish				
<b>How to determine the grade for Part 2:</b>			<b>D</b>	<b>M</b>	<b>P</b>	<b>F</b>
Pass = 3 Passes Fail = Any Fail grade		<b>Grade Awarded for Part 2</b>				

<b>How to determine the overall grade for this practical test:</b>			
Part 1	Part 2	Overall Grade Achieved	
			<b>Course Tutor Signature</b>
Distinction	Pass	<b>Distinction</b>	
Merit	Pass	<b>Merit</b>	
Pass	Pass	<b>Pass</b>	
Any Fail Grade		<b>Fail</b>	
<b>Course Tutor Feedback</b>			
Comment:			
Learner Signature:		Course Tutor Signature:	
Date:		Date:	
<b>Internal Moderator / Verifier Feedback (if sampled)</b>			
Comment:			
Internal Moderator / Verifier Signature:		Date:	
<b>External Moderator (if sampled)</b>			
I have checked the information recorded in this document and am* / am not* satisfied of its accuracy, authenticity and validity (* Delete as appropriate and comment if required)			
External Moderator Signature:		Date:	



## DECLARATION OF AUTHENTICITY

This declaration must be completed and signed by the learner and countersigned by the tutor/assessor.

Learner Name: .....

Learner Number: .....

Centre: .....

### Learner statement of authenticity

I confirm that the attached assignment/portfolio is all my own work\* and does not include any work completed by anyone other than myself. I have completed the assignment/portfolio in accordance with the Awarding Body instructions and within the time limits set by my Centre.

Signature: .....

Date: .....

### Centre confirmation of authenticity

On behalf of .....(insert centre name), I confirm that the above mentioned learner, to the best of my knowledge, is the sole author of the completed assignment/portfolio attached.

Signed: .....

Date: .....

Name: .....

Job Description: .....

\*Unless otherwise stated e.g. for some entry level qualifications learners can work together but should show sections which are their own work.