

**PRACTICAL TEST MARK SHEET FOR  
FABRICATION PROCESSES (GENERAL)  
EQUAL DIAMETER CYLINDRICAL TEE**



**Level 3 Award, Certificate and Diploma in Fabrication and Welding Practice**

Unit 6: Fabrication Processes (General)

Learner Name: .....

Centre Name: .....

**Time Allowed = 12 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**

			<b>Grade Awarded</b>			
	<b>Task</b>	<b>Specification and assessment criteria</b>	<b>D</b>	<b>M</b>	<b>P</b>	<b>F</b>
1	Marking out, dimensional accuracy	Shape of hole in main pipe and development of branch pipe (Parallel Line) to template: Paper or thin sheet metal.  Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
2	Marking out, dimensions accurate for each component	Transfer from template to sheet, including assembly location lines:  Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
3	Cutting profile of components and to include checking templates	Method, Hole in main pipe and profile of branch pipe development, deburring and accuracy of profiles:  Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
4	Forming of components.	To include rolling of both components:  Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
5	Assembly	Assemble components to specification selecting joining method.:  Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
6	Fit up of both parts	Freedom from tool marks. Accuracy of joint fit up between main and branch pipes. Finish :  Distinction = 100% Merit = 85% Pass = 70% Fail = $< 70\%$				
7	Overall dimensional checks	Check all dimensions and angles to drawing specification:  Distinction = Correct Merit = $\pm 1.0\text{mm}$ Pass = $\pm 2.0\text{mm}$ Fail = $> 2.0\text{mm}$				
8	Overall presentation	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 = 6 Distinctions and all other grades to be Pass or higher Merit = 6 Merits or greater and all other grades to be Pass 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	Lengths of Main and Branch pipes, round Diameter, Square,	finished sizes, diameter, square, parallel, roundness of pipes, on centres. etc.				
2	Overall presentation	Deburred; freedom from tool marks and surface blemishes; accuracy of set up; 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 = 2 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.