

Trade of Plumbing

Module 3: Domestic Heating/MMA Welding

Unit 6: Industrial Pipefitting Phase 2

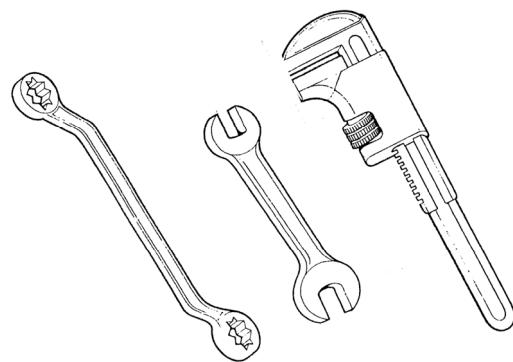


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Document Release History

Date	Version	Comments
June 2006	V.1.0	
19/02/14	2.0	SOLAS transfer

Module 3 – Domestic Hot and Cold Services

Unit 6 – Industrial Pipefitting

Duration – 11 Hours

Learning Outcome:

By the end of this unit each apprentice will be able to:

- Describe the procedure for preparing mild steel pipe for butt weld and slip-on flange joints.
- List the types of flanges used for mild steel pipework.

Key Learning Points:

Sk H	Use of mini grinder.
Rk	Types of flange and pipe classification.
Rk Sk	Weld gap.
Rk Sk	Chamfer.
Sk	Alignment.
Rk H	Flange preparation.
Rk	Weldable fittings.
Sk	Use of flange square.
Rk H	Hot metal, flash, fumes, sparks.
P	Planning.
P	Communication.
P	Teamwork.
P	Good working practice.

Training Resources:

- Classroom facilities, workshop facilities.
- Information sheets.
- Sample flanges and weldable fittings.

Exercises

Two apprentices to prepare and set up a Ø100mm mild steel pipe for butt weld and slip on flange as in Exercise No. 2.3.6a in the curriculum document.

Key Learning Points Code

M= Maths **D**= Drawing **RK**= Related Knowledge **Sc**= Science

P= Personal Skills **Sk**= Skill **H**= Hazards

About this Unit

This unit is primarily a skill based unit, please refer to your instructor.

Self Assessment

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