

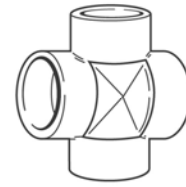
Stainless Steel Socket Weld Fittings Guide



90° Elbow



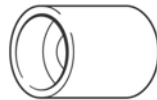
45° Elbow



Cross



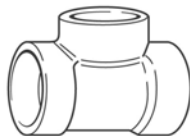
Full Coupling



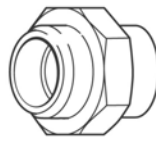
Reduced Coupling



Half Coupling



Equal Tee



Union



Cap


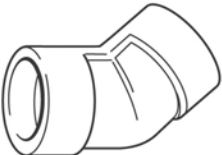

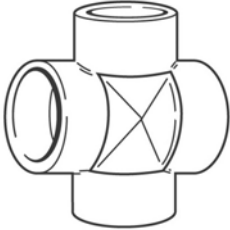

1. What is a Socket Weld Fitting?

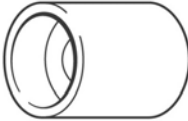
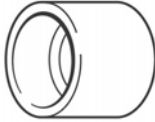
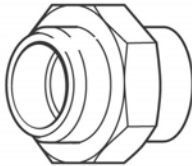

- ◆ Socket Weld Fittings are a family of high pressure fittings used in connecting and creating pipe-work systems whereby they are welded into the system using circumferential socket welds.
- ◆ They are used only in conjunction with ANSI Pipe and are available in the same size range.
- ◆ They are used in areas where pipe-work is permanent and are designed to provide good flow characteristics.
- ◆ Socket Weld Fittings are produced to BS3799, ASTM A182 & ANSI B16.11 as applicable.
- ◆ They are available in four pressure ratings: 2000lb, 3000lb, 6000lb & 9000lb.
- ◆ The same range of high pressure fittings is also available with screwed ends with NPT threads.

These fittings are not popular or widely used in the UK.

For more information plus a complete table of sizes and dimensions please visit the [Down-Loads page of the Aalco web site and select the Tubular Products Databook.](http://www.aalco.co.uk/literature/literature.html#stainless)

2. For what is each fitting used?

Fitting	Use / Notes
 <p>90° Elbow</p>	Enables the pipe run to be turned through a right angle.
 <p>45° Elbow</p>	Enables the pipe run to be turned through 45 degrees.
 <p>Equal Tee</p>	Allows the connection of a branch at right angles from the main pipe run. Female thread at all three connections.
 <p>Cross</p>	Rarely used. Can bring 3 flow lines into one or act as a Tee with a flow or pressure meter on the fourth leg.
 <p>Full Coupling</p>	Used to connect two pipes

Fitting	Use / Notes
 <p>Reduced Coupling</p>	A shorter Coupling
 <p>Half Coupling</p>	An even shorter Coupling that is half the length of a full Coupling.
 <p>Union</p>	Used to connect two pipes. Used when easy or regular access is required e.g. for cleaning.
 <p>Cap</p>	Used for blanking off.

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