

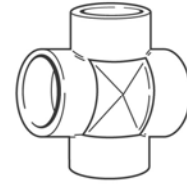
Stainless Steel Socket Weld Fittings Guide



90° Elbow



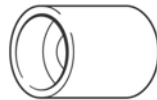
45° Elbow



Cross



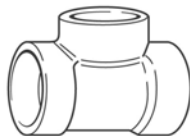
Full Coupling



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.

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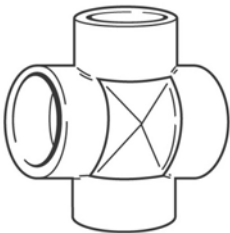



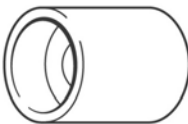
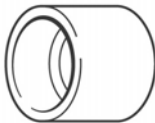
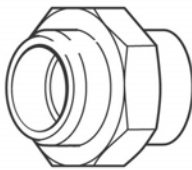

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2. For what is each fitting used?

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>  <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.

Fitting	Use / Notes
 <p>Full Coupling</p>	Used to connect two pipes
 <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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