

## Drawing of Weld Symbols

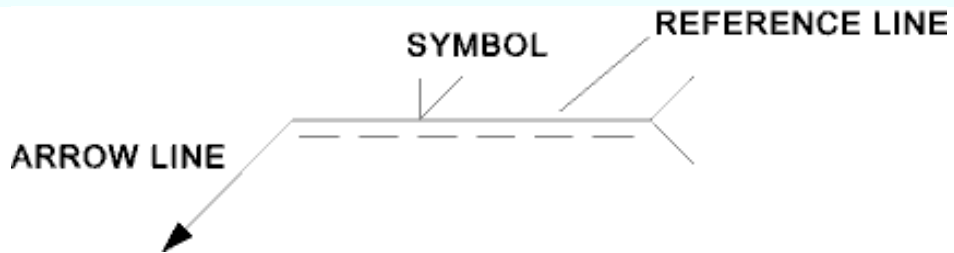
### Standards

The British Standard for weld symbols is BS EN 22553. When identification of the weld process is required as part of the weld symbol the relevant weld process code is listed in BS EN ISO 4063.

### Basic Weld Symbol

The weld symbol always includes

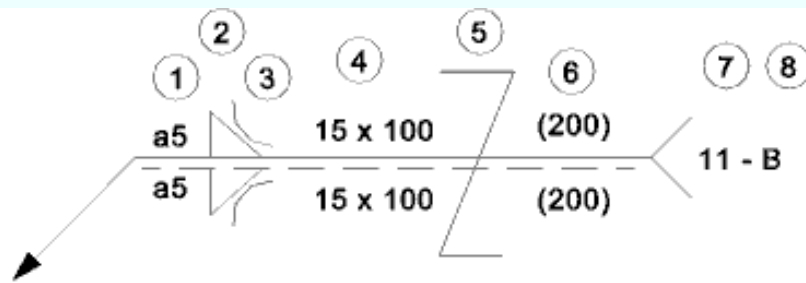
1. An arrow line
2. A reference line
3. A symbol



Note: Weld symbols on the full reference line relates to welds on the near side of the plate being welded. Weld symbols on the dashed line relates to weld on the far side of the plate. If the welds are symmetrical on both sides of the plate the dashed line is omitted. If the dashed line is above the full line then the symbol for the nearside weld is drawn below the reference line and the symbol for the farside weld is above the dashed line

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### More Detailed Symbolic Representation of Weld



Information above reference line identifies weld on same side as symbolic representation  
 Information below reference line identifies weld on opposite side to symbolic representation.

- 1) Dimension referring to cross section of weld
- 2) Weld Symbol
- 3) Supplementary symbol
- 4) Number of weld elements x length of weld element
- 5) Symbol for staggered intermittent weld
- 6) Distance between weld elements
- 7) Welding process reference
- 8) Welding class

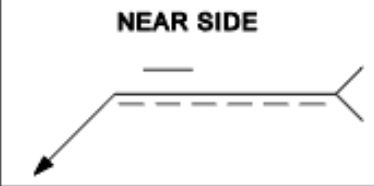
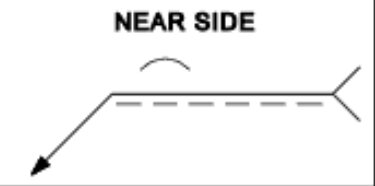
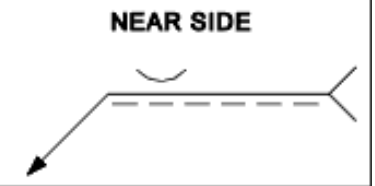
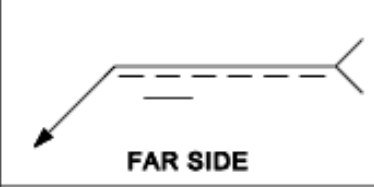
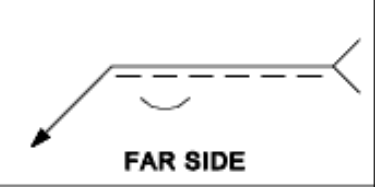
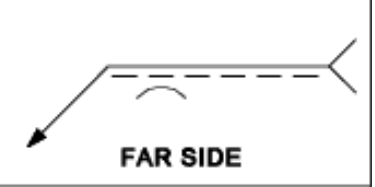
Welding.....Weld process numbers.

Table of Weld Symbols

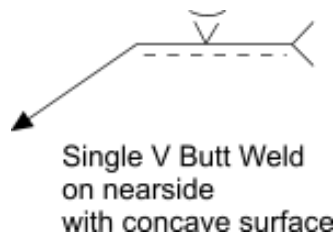
WELD SYMBOLS		
<p><b>SQUARE BUTT WELD</b></p>	<p><b>SINGLE V BUTT WELD</b></p>	<p><b>SINGLE BEVEL BUTT WELD</b></p>
<p><b>SINGLE-U BUTT WELD</b></p>	<p><b>SINGLE-J BUTT WELD</b></p>	<p><b>BACKING RUN</b></p>
<p><b>FILLET WELD</b></p>	<p><b>PLUG WELD</b></p>	<p><b>SPOT WELD</b></p>

Supplementary Symbols

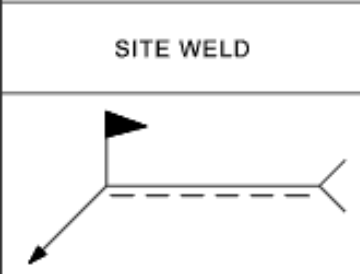
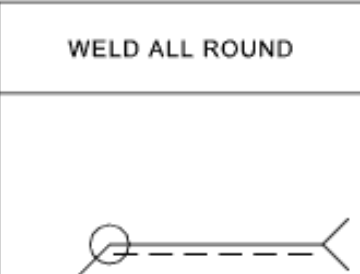
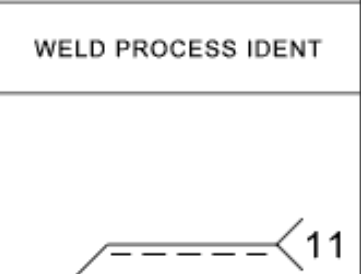

The weld symbols below are used in addition to the primary weld symbols as shown above. They are not used on their own.

SUPPLEMENTARY SYMBOLS		
WELD WITH FLAT FACE	WELD WITH CONVEX FACE	WELD WITH CONCAVE FACE
<p>NEAR SIDE</p> 	<p>NEAR SIDE</p> 	<p>NEAR SIDE</p> 
 <p>FAR SIDE</p>	 <p>FAR SIDE</p>	 <p>FAR SIDE</p>

Below is an example of the application of this symbol.



Complementary Indication

COMPLEMENTARY SYMBOLS		
SITE WELD	WELD ALL ROUND	WELD PROCESS IDENT
		
		

Dimensioning Welds

