



American Welding Society Welding Symbol Chart

A2.1:1998
Second Printing

Basic Welding Symbols and Their Location Significance								
Location Significance	Fillet	Plug or Slot	Spot or Projection	Stud	Seam	Back or Backing	Surfacing	Edge
Arrow Side								
Other Side				Not Used			Not Used	
Both Sides		Not Used	Not Used	Not Used	Not Used	Not Used	Not Used	
No Arrow Side or Other Side Significance	Not Used	Not Used		Not Used		Not Used	Not Used	Not Used
Location Significance	Groove							Scar for Brazed Joint
Arrow Side								
Other Side								
Both Sides								
No Arrow Side or Other Side Significance		Not Used	Not Used	Not Used	Not Used	Not Used	Not Used	Not Used

Supplementary Symbols				Location of Elements of a Welding Symbol			
Basic Joints Identification of Arrow Side and Other Side Joint				Letter Designations Where letter designations are to be included in the tail of the welding symbol, reference is made to Table 1, Letter Designations of Welding and Allied Processes and Their Variations, of AWS A2.4-98.			
Butt Joint 		Corner Joint 		Edge Joint 		Letter Designations American Welding Society 550 N.W. LeJeune Road Miami, Florida 33126	

Typical Welding Symbols		
Double-Fillet Welding Symbol 	Chain Intermittent Fillet Welding Symbol 	Staggered Intermittent Fillet Welding Symbol
Plug Welding Symbol 	Back Welding Symbol 	Backing Welding Symbol
Spot Welding Symbol 	Stud Welding Symbol 	Seam Welding Symbol
Square-Groove Welding Symbol 	V-Groove Welding Symbol 	Double-Bevel-Groove Welding Symbol
Symbol with Backgouging 	Flare-V-Groove Welding Symbol 	Flare-Bevel-Groove Welding Symbol
Multiple Reference Lines 	Complete Joint Penetration 	Edge Welding Symbol
Flash or Upset Welding Symbol 	Melt-Thru Symbol 	Joint with Backing
Joint with Spacer 	Flush Contour Symbol 	Convex Contour Symbol



Earlbeck's team of Welding Engineers can provide you with technical assistance on any welding question or issue. We have proven our capabilities for clients both large and small.

We can review your welding operations for process improvement and added productivity, analyze a weld failure and provide insight to eliminate the problem, design a welding procedure for that difficult metal or for a weld repair, review your job specifications and drawings and assist you with compliance and we can train and manage your weld examiners for field operations.

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