

Errata for AWS A2.4-98, Standard Symbols for Welding, Brazing, and Nondestructive Examination.
The following is the corrected Welding Symbol Chart for AWS A2.4-98, pages 106 and 107.

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							Scarf for Brazed Joint
	Square	V	Bevel	U	J	Flare-V	Flare-Bevel	
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			
Weld-All-Around	Field Weld	Melt-Thru	Consumable Insert
Backing/Spacer (Rectangular)		Contour	
		Flush or Flat	Convex
			Concave

Basic Joints	
Identification of Arrow Side and Other Side Joint	
Butt Joint	Corner Joint
T-Joint	Lap Joint

Location of Elements of a Welding Symbol	

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.

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Typical Welding Symbols

Double-Fillet Welding Symbol Fillet Weld Size — 1/4 Length — 6 Pitch (Distance Between Centers) of Segments — 3/16 Omission of Length indicates that Weld Extends Between Abrupt Changes in Direction or as Dimensioned	Chain Intermittent Fillet Welding Symbol Pitch (Distance Between Centers) of Segments — 7/16 Fillet Weld Size (Length of Leg) — 5/16 Length of Segments — 2-5 Length of Segments — 2-6	Staggered Intermittent Fillet Welding Symbol Pitch (Distance Between Centers) of Segments — 3-5 Fillet Weld Size (Length of Leg) — 1/2 Length of Segments — 3-5
Plug Welding Symbol Included Angle of Countersink — 30° Plug Weld Size (Diameter of Hole at Root) — 3/4 Pitch (Distance Between Centers) of Welds — 4 Depth of Filling (Omission indicates Filling is Complete)	Back Welding Symbol Back Weld 2nd Operation 1st Operation	Backing Welding Symbol Backing Weld 1st Operation 2nd Operation
Spot Welding Symbol Spot Weld Size — .025 Number of Welds — (5) Pitch — 4 Process — RSW	Stud Welding Symbol Stud Size — 1/2 Pitch — 6 Number of Studs — (7)	Seam Welding Symbol Seam Weld Size — .030 Increment Length — 3-9 Pitch — 4 Process — RSEW
Square-Groove Welding Symbol Groove Weld Size — 3/16 Root Opening — 1/8	V-Groove Welding Symbol Depth of Bevel — 3/8 Groove Weld Size — 1/2 Groove Angle — 60° Root Opening — 1/8	Double-Bevel-Groove Welding Symbol Groove Weld Size — (1) Root Opening — (1-1/4) Arrow Points Toward Member to be Beveled
Symbol with Backgouging Depth of Bevel — 1/4 Back Gouge	Flare-V-Groove Welding Symbol Groove Weld Size — (1/4)	Flare-Bevel-Groove Welding Symbol Groove Weld Size — (1/4)
Multiple Reference Lines 1st Operation On Line Nearest Arrow 2nd Operation 3rd Operation	Complete Joint Penetration Indicates Complete Joint Penetration Regardless of Type of Weld or Joint Geometry CJP	Edge Welding Symbol Edge Weld Size — 1/8
Flash or Upset Welding Symbol Process Reference — FW	Melt-Thru Symbol Root Reinforcement — 1/32	Joint with Backing 'R' indicates Backing Removed After Welding
Joint with Spacer Double-Bevel Groove	Flush Contour Symbol 	Convex Contour Symbol

It should be understood that these charts are intended only as shop aids. The only complete and official presentation of the standard welding symbols is in AWS A2.4-98, Standard Symbols for Welding, Brazing, and Nondestructive Examination.