



AMERICAN WELDING SOCIETY WELDING SYMBOLS

A2.1-93

Basic Welding Symbols and Their Location Significance									
Location Significance	Fillet	Plug or Slot	Spot or Projection	Stud	Seam	Back or Backing	Surfacing	Flange Corner	Flange Edge
Arrow Side									
Other Side				Not Used			Not Used		
Both Sides		Not Used	Not Used	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	Not Used
Groove									Scarf for Brazed Joint
Location Significance	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	Contour				
					Flush	Convex	Concave		
Location of Elements of a Welding Symbol									
Basic Joints Identification of Arrow Side and Other Side Joint									
Butt Joint					Corner Joint				
T-Joint					Lap Joint				
Edge Joint					Process Abbreviations				
					Where process abbreviations are to be included in the tail of the welding symbol, reference is made to Table 1, Designation of Welding and Allied Processes by Letters, of ANSI/AWS A2.4-93 American Welding Society 550 N.W. LeJeune Rd., P.O. Box 351040 Miami, Florida 33135				

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	Single-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 Penetration	Edge Flange Welding Symbol
Flash or Upset Welding Symbol	Melt-Thru Symbol	Joint with Backing
Joint with Spacer	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 A2.4.



MISSISSIPPI WELDERS SUPPLY CO., INC.

Decorah, IA 52101
2343 172nd Avenue
877-728-1735
563-382-8981
fax 563-382-8982

Red Wing, MN 55066
5211 Moundview Dr.
800-657-4856
651-388-1836
fax 651-388-1838

Rochester, MN 55901
2705 Hwy 14 West
800-657-5100
507-289-2026
fax 507-289-2205

Winona, MN 55987
5150 West 6th St.
800-657-4422
507-454-5233
fax 507-454-8104

Altoona, WI 54720
2312 Hillcrest Parkway
715-836-9683
877-935-9353
fax 715-836-9684

Hudson, WI 54016
1810 Webster St.
877-367-6916
715-381-6964
fax 715-381-6571

La Crosse, WI 54603
611 George St.
800-657-4434
608-782-6687
fax 608-782-3700

Marshfield, WI 54449
1406 East 4th St.
877-889-9353
715-389-9353
fax 715-389-2477