

# GUIDE TO INTERPRETING ABBREVIATIONS ON AWS CERTIFIED WELDER CARD

## EXAMPLE

Supplement	Code	Process	Gas	Filler Metal	Base Metal	Position Qualified	Thickness Range
G	D1.1	SMAW	75/25	E7018	A-36	3G	UNLIMITED

### AWS Supplements

<b>C</b>	Sheet Metal Welding (AWS D9.1)
<b>F</b>	Chemical Plant and Petroleum Piping (ASME B31.3 and Sec. IX)
<b>G</b>	Generic Supplement (Company-furnished WPS and acceptance criteria)

### Codes (For Supplement G only, reference appropriate acceptance criteria.)

<b>B2.1</b>	AWS B2.1, <i>Standard for Welding Procedure and Performance Qualification</i>
<b>D1.1</b>	AWS D1.1, <i>Structural Welding Code Steel</i>
<b>D1.2</b>	AWS D1.2, <i>Structural Welding Code - Aluminum</i>
<b>D1.5</b>	AWS D1.5, <i>Bridge Welding Code</i>
<b>D9.1</b>	AWS D9.1, <i>Sheet Metal Welding Code</i>
<b>ASME IX</b>	ASME Section IX, <i>Qualification Standard for Welding and Brazing Procedures, Welders, Brazers, and Welding and Brazing Operators</i>
<b>D15.1</b>	AWS D15.1, <i>Railroad Welding Specification - Cars and Locomotives</i>
<b>API</b>	API 1104, <i>Welding of Pipelines and Related Facilities</i>
<b>CUST</b>	<i>Other customer may be used as indicated on the employer supplied WPS</i>

### Processes

<b>SMAW</b>	Shielded Metal Arc Welding (SMAW)
<b>GMAW</b>	Gas Metal Arc Welding (GMAW)
<b>GMAW-S</b>	Gas Metal Arc Welding - Short Circuit
<b>FCAW</b>	Flux Cored Arc Welding (FCAW)
<b>GTAW</b>	Gas Tungsten Arc Welding (GTAW)
<b>SAW</b>	Submerged Arc Welding (SAW)
<b>BZ</b>	Brazing

### Gas

<b>AR</b>	Argon
<b>HE</b>	Helium
<b>Ar/CO<sub>2</sub></b>	Argon/Carbon Dioxide
<b>CO<sub>2</sub></b>	Carbon Dioxide

### Filler Metal (AWS CLASSIFICATION)

**ER309-L**  
**E7018-A1L**  
**ER70S-2**  
**E71T-1**

### Base Metal

**AXXX** ASTM Designations (i.e., A36)  
**M** Material Numbers from B2  
**SAXXX** (SA106, SA105, SA304L, etc.)  
**PX** (P1, P8, P44, etc.)

### Position

**1G** Groove Weld, Flat  
**2G** Groove Weld, Horizontal  
**3G** Groove Weld, Vertical  
**4G** Groove Weld, Overhead  
**5G** Groove Weld, (Pipe) Vertical  
**6G** Groove Weld, (Pipe) 45° Vertical  
**1F** Fillet Weld, Flat  
**2F** Fillet Weld, Horizontal  
**3F** Fillet Weld, Vertical  
**4F** Fillet Weld, Overhead  
**V** Vertical Progression Up  
**D** Vertical Progression Down  
**A** All

### Thickness

**U** Unlimited (1/8" to Unlimited)  
**L** Limited  
**xx-xx** Range in sheet gauges (i.e., 11 - 18)  
**x/x** Thickness in fractions of an inch (i.e., 3/8")  
**SCH** Schedule listing for pipe thickness (Sch 40)  
**WB** With backing  
**WOB** Without backing