

GUIDE TO INTERPRETING ABBREVIATIONS ON AWS CERTIFIED WELDER CARD

EXAMPLE

Supplement	Code	Gas	Process	Filler Metal	Base Metal	Position	Thickness
G	API	75/25	SMAW	E7018	A106	5G	U

AWS Supplements

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

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

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

Processes

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

Gas

AR	Argon
HE	Helium
Ar/CO₂	Argon/Carbon Dioxide
CO₂	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