

SM-308L

Classification

AWS A5.9/ASME SFA-5.9 ER308L
JIS Z 3321 YS308L
EN ISO 14343-A G 19 9L

Welding Positions



Features

- Resistance to crack
- High efficiency
- Resistance to corrosion

Polarity

DC +

Application Areas

- Steel structures
- Vehicles, machinery and bridges

Shielding Gas

Ar + 2% O2

Approvals

CE
✓

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S	Cu	Ni	Cr	Mo
0.02	0.38	1.9	0.02	0.01	0.16	9.8	20.4	0.17

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
Ar + 2% O2	560 (81)	42	0 (32) -196 (-320)	80 (59) 40 (29)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Packaging
0.9 (0.035), 1.0 (0.039), 1.2 (0.045), 1.4 (0.052), 1.6 (1/16)	Spool 12.5kg(28lbs) Drum 250kg (551lbs)

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux