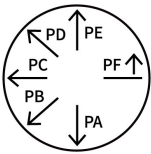


S-308L.17

Classification

- AWS** A5.4/ASME SFA-5.4 E308L-17
- JIS** Z 3221 ES308L-17
- EN** ISO 3581- A E 19 9 L R

Welding Positions



Features

- Good resistance to corrosion and oxidizing environments
- Easy to remove slag, good bead appearance
- High moisture resistance (17 type)

Polarity

AC or DC+

Application Areas

- Stainless steel (low carbon 18%Cr-8%Ni)

Redrying Conditions

350°C (662°F) X 1hr

Approvals

ABS
✓

Typical Chemical Composition of All-Weld Metal (wt%)

C	Si	Mn	P	S	Cu	Ni	Cr	Mo
0.03	0.51	0.6	0.026	0.017	0.03	9.9	18.7	0.04

Typical Mechanical Properties of All-Weld Metal

Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
570(83)	50	-60(-75) -196(-320)	50(37) 26(19)

SAW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux

Diameter / Welding Parameters / Packaging

Diameter mm(in)	Length mm(in)	F & HF	V-up, OH	Packaging
2.0 (5/64)	300 (12)	25~55	20~50	PVC - Packet 2.5kg(5.5lbs), Carton 10kg (22lbs)
2.6 (3/32)	300 (12)	50~85	45~80	
3.2 (1/8)	350 (14)	70~115	65~110	
4.0 (5/32)	350 (14)	95~145	85~135	
5.0 (3/16)	350 (14)	135~180	-	

SAW

GMAW

GTAW

FCAW

Metal-cored Wire

SAW Wire

SAW Flux