

# S-7048.V

## Classification

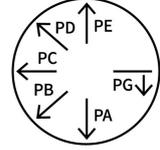
**AWS** A5.1/ASME SFA-5.1 E7048

**JIS** Z 3211 E4948

**EN** ISO 2560-A E42 3 B 3 5

**KS** D7006 E5016

## Welding Positions



## Features

- Suitable for tack welding
- Good at vertical down
- Good restriking
- Good bead appearance
- Easy to remove slag

## Polarity

AC or DC +

## Application Areas

- Heavy steel fabrication
- Automotive
- Machinery

## Redrying Conditions

300~350°C (572~662°F) X 0.5~1hr

## Approvals

ABS	BV	DNV	KR	LR	NK
✓	✓	✓	✓	✓	✓

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

C	Si	Mn	P	S
0.10	0.65	1.01	0.016	0.007

## Typical Mechanical Properties of All-Weld Metal

Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
486(70)	598(87)	31	-30(-20)	58(43)

Diameter / Welding Parameters / Packaging

Diameter mm(in)	Length mm(in)	F & HF	Packaging
3.2(1/8)	350(14)	100-160	Standard/Vacuum - Packet 5kg (11lbs), Carton 20kg (44lbs)
4.0(5/32)	400(16)	140-210	
5.0(3/16)	400(16)	220-270	

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux