

### Conformances

AWS A5.18/ ASME SFA5.18 ER70S-2  
JIS Z3316 YGT50  
CWB ER48S-2 (ER70S-2)

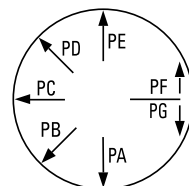
### Applications

- Pressure vessels
- Shipbuilding

### Features

- Good performance in all position
- One-side welding (tube)
- Ar 100% gas

### Welding Position



### Current

DC -

### Shielding Gas

Ar

### Diameter / Packaging

Diameter	PVC TUVE
mm (in)	5kg (11lbs)
1.2 (0.045)	✓
1.6 (1/16)	✓
2.0 (5/64)	✓
2.4 (3/32)	✓
3.2 (1/8)	✓

### Typical Chemical Composition of the Wire(%)

C	Si	Mn		
0.05	0.52	1.15		

### Typical Mechanical Properties of All-Weld Metal

	YS MPa(lbs/in <sup>2</sup> )	TS MPa(lbs/in <sup>2</sup> )	EL (%)	Temp °C(°F)	CVN-Impact Value J (ft.-lbs)
As welded with 100% Ar	500 (72,500)	580 (84,200)	29	-30 (-22)	180 (132)