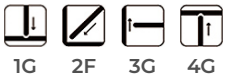
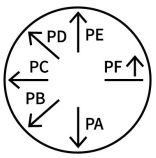
S-76LTH

Classification

AWS A5.5/ASME SFA-5.5 E7016-G
JIS Z 3211 E4916-N1 AP L
EN ISO 2560-A E42 6 Z B 1 2 H5
KS D7023 DL5016-6AP1

Welding Positions





Features

- Low hydrogen electrode (HDM ≤ 5ml/100g)
- Good impact value at -60°C
- CTOD properties at -40°C (-40°F) temperature

Polarity

AC or DC +

Application Areas

- Low temperature strength steel
- Offshore structure
- LPG, LNG storage tank

Redrying Conditions

350~400°C (662~752°F) X 0.5~1hr

Approvals

ABS	DNV	LR	CE
✓	✓	✓	✓

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

C	Si	Mn	P	S	Ni	Ti	B
0.06	0.31	1.17	0.015	0.005	0.46	0.03	0.002

Typical Mechanical Properties of All-Weld Metal

PWHT	Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
As-weld	472(68)	570(83)	32	-45(-50) -60(-75)	153(113) 106(78)
625°C*8hr	439(64)	526(76)	32	-45(-50) -60(-75)	156(115) 112(83)

Diameter / Welding Parameters / Packaging

Diameter mm(in)	Length mm(in)	F & HF	V-up, OH	Packaging
2.6(3/32)	350(14)	60-90	50-80	Standard/Vacuum - Packet 5kg (11lbs), Carton 20kg (44lbs)
3.2(1/8)	350(14)	90-140	80-120	
4.0(5/32)	400(16)	130-190	120-170	
5.0(3/16)	400(16)	180-240	150-200	