

# SC-EG2 Cored

Type : Metal-Cored

## Conformances

AWS A5.26/ ASME SFA5.26 EG70T-2C  
 JIS Z3319 YFEG-22C  
 KR 3V, 3YV  
 ABS 3, 3YH10  
 LR 3, 3Y  
 BV AV3, AV3Y  
 DNV-GL I1Y (-20°C)  
 NK KEW53  
 CCS 3, 3Y  
 RINA 3Y

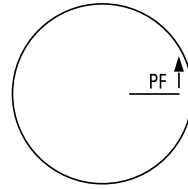
## Applications

- Shipbuilding
- Storage tank

## Features

- Electro gas arc welding process
- Hig deposition (Vertical up butt welding)

## Welding Position



## Current

DC +

## Shielding Gas

100% CO<sub>2</sub>

## Diameter / Packaging

Diameter	Spool	
	mm (in)	kg (lbs)
1.6 (1/16)	✓	✓

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

C	Si	Mn	P	S	Mo
0.08	0.3	1.52	0.012	0.010	0.12

## 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)
510 (74,000)	560 (81,300)	27	-20 (0)	60 (44)

## Typical Welding Parameters

Diameter, Polarity Shielding Gas	CTWD mm (in)	Wire Feed Speed m/min (in/min)	Amp. (A)	Volt. (V)	Deposition Rate kg/hr (lb/hr)	Efficiency (%)
<b>1.6mm (1/16 in) DC+</b>						
100% CO <sub>2</sub>	25 (1)	8.3 (327)	330	32	5.8 (12.8)	92-94
		8.8 (346)	350	34	6.6 (14.6)	92-94
		9.8 (386)	380	38	7.1 (15.7)	93-95