

TYPE : Metal-Cored

Applications

Vertical-up butt welding of side shells and inner structures of bulk carriers in shipbuilding, box girder webs and plate girder in bridge, storage tank and other vertical welding lines

Characteristics on Usage

SC-EG3 is metal type flux cored wire to be used with CO₂ shielding gas for electro gas arc welding at high speed. Deposited weld metal toughness is good at low temperature range. Welding arc is stable and bead appearance is good . It provides highly efficient welding by electro gas process.

Notes on Usage

① Use 100% CO₂ gas.

Welding Position



3G
(PF)

Current

DC+

Shielding Gas

CO₂

Typical Chemical Composition of All-Weld Metal (%)

C	Si	Mn	P	S	Ni
0.07	0.28	1.73	0.013	0.010	1.49

Typical Mechanical Properties of All-Weld Metal

YS MPa(lbs/in ²)	TS MPa(lbs/in ²)	EL (%)	Temp. °C (°F)	CVN-Impact Value J (ft · lbs)
575 (83,400)	672 (94,500)	23.5	-20 (-4) -60 (-76)	95 (70) 50 (37)

Approval

I Packing(Including Ball Pac)

ABS, LR, DNV, BV, GL,
NK, KR

Dia. (mm) 1.6
(in) 1/16

Spool(kg) 20
(lbs) 44

Sizes Available and Recommended Currents (Amp.)

Size mm(in)	1.6 (1/16)
V-up	330~420