

SC-45S

Low / Middle Alloy Type

Conformances

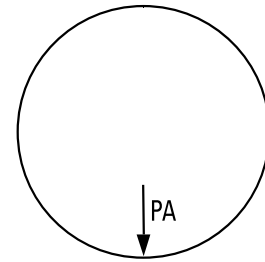
Applications

- Crane wheels, rod wheels, tractor roller

Features

- Submerged arc type hardfacing wire
- Low/Middle alloy type

Welding Position



Current

DC +

Welding Process

SAW(with S-717/S-401HF flux)

Diameter / Packaging

Diameter	Coil	Pac	
mm (in)	25kg (55lbs)	150kg (330lbs)	250kg (551lbs)
3.2 (1/8)	✓	✓	✓

Typical Chemical Composition of All-Weld Metal (%)

	C	Si	Mn	Cr	Mo
As welded with 3.2mm wire	0.2	0.5	2.3	3.4	0.5

Typical Mechanical Properties of All-Weld Metal

	Rockwell Hardness(HRC) (≥3layers)
On Mild Steel (3.2mm)	43~48

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)
3.2mm (1/8in), DC+					
Submerged Arc	25 (1)	1.4 (58)	350	28	4.3 (9.4)
		1.7 (70)	390	30	5.2 (11.4)
		1.9 (76)	430	31	5.9 (12.9)