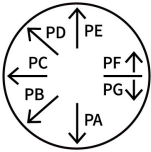


SC-55 Cored

Classification

AWS AWS A5.29 / ASME SFA-5.29 E81T1-GC
JIS Z 3313 T55 2 T1-1 C A-U
KS D7104 YFW-C55DR

Welding Positions



Features

- Designed for welding with 100% CO2 shielding gas
- Smooth and stable arc with a fast freezing slag

Polarity

DC +

Application Areas

- General fabrication
- Structural fabrication

Shielding Gas

100%CO₂

Approvals

ABS
✓

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

Shielding Gas	C	Si	Mn	P	S
100%CO ₂	0.05	0.45	1.40	0.011	0.011

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft · lbs)
100%CO ₂	560 (81)	610 (88)	27	-20 (0)	80 (59)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Current (A)	Packaging
1.2 (0.045)	110~280	Spool 5kg (11lbs), 12.5kg (28lbs), 15kg (33lbs), 20kg (44lbs) Drum 100kg (221lbs), 200kg (441lbs), 250kg (551lbs)
1.4 (0.052)	110~280	
1.6 (1/16)	120~300	

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux