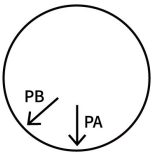


SM-55H

Classification

JIS Z 3312 YGW18
EN ISO 14341-B G S18

Welding Positions



Features

- Good performance with high-current COgas
- High Efficiency
- Deep penetration

Polarity

DC +

Application Areas

- Shipbuilding
- Automotive
- Structural fabrication

Shielding Gas

100% CO2

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S	Ti
0.06	0.95	1.95	0.016	0.005	0.19

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% CO2	550 (80)	620 (90)	28	0 (32) -20 (0)	160 (118) 140 (103)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Packaging
1.2 (0.045), 1.4 (0.052), 1.6 (1/16)	Spool 15kg(33lbs), 20kg (44lbs) Drum 250kg (551lbs), 300kg (661lbs), 350kg (771lbs)

SMAW

GMAW

GTAW

FCAW

Metal-cored Wire

SAW Wire

SAW Flux