

SFA 2

Mild steel wires (Gmaw)

Classification

TS EN ISO 14341-A	G3 Si 1
TS EN ISO 636-A	W3 Si 1
EN ISO 14341-A	G3 Si 1
EN ISO 636-A	W3 Si 1
AWS 5.18	ER 70 S-6

Typical weld metal chemical composition (%)

C	0,08
Mn	1,45
Si	0,85

All weld metal mechanical properties (typical)

Yield Strength (N/mm ²)	min. 420
Tensile Strength (N/mm ²)	500-640
Impact strength (ISO-V/-30°C)	min.47 J
Elongation (Lo=5do) (%)	min. 22

Applications

- Steel construction and machinery production
- Welding of ships, boiler tanks, pipe parts
- Welding of thin walled steels.
- Thin sheet welding in automotive industry
- Perfect smooth feedability, perfect welding characteristics
- Shielding gases: TIG: Ar MAG: 20% CO₂ – 80% Ar or pure CO₂

Operating data

Diameter x Length (mm)	Diameter x Length (inch)	Weight (Kg)	Package (Type)
1,6*1000	1/16*39"	5	Carton Box
2,0*1000	5/64*39"	5	Carton Box
2,4*1000	3/32*39"	5	Carton Box
3,2*1000	1/8*39"	5	Carton Box
4,0*1000	5/32*39"	5	Carton Box
(0,8 - 0,9 - 1,0 - 1,2 - 1,4 - 1,6)	(0,8 - 0,9 - 1,0 - 1,2 - 1,4 - 1,6)	(1 - 5 - 15 - 18 - 50 - 250 - 400)	D/K 300
0,8	0,030"	15	D 200
1,0	0,040"	15	D 100
1,2	0,047"	15	ECO PACK
1,6	0,062"	15	BIG PACK

Current type

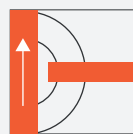
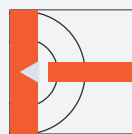
TIG	D.C. (-)	MAG	D.C. (+)
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Typical base material grades

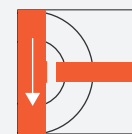
E295, E335, S235J2G3-S355J2G3, P235T1-P355T1, P235T2, P355T2, L210NB-L415NB, L290MB-L360MB, P235G1TH, P255G1TH, P235GH-P355GH, S235JRS1-S235J4S, S315G1S-S355G3S, S255N-S380N, P255NH-P355NH, GE200-GE260

Welding positions


PA

PB

PF

PC

PE

PD

PG