

MAG / MIG wire

GW16

AWS A5.18M ER49S-4 / A5.18 ER70S-4
JIS Z 3312 (a)G52A0UC4 (b)YGW16
ISO 14341-A-G 42 0 M21 3Si1

Product Features:

- Suitable for welding of mild and 490 N/mm² grade high tensile strength steel.
- Suitable for thin plate for all positions.
- High welding performance.
- Available for low to moderate current range, good arc stability, less spatter loss and good bead appearance.

Applications:

- Suitable for welding of mild and 490 N/mm² grade high tensile strength steel structures on vehicles, general electrical, light steel, pipe, steel constructions, bridge and shipbuilding.

Typical chemical composition of wire (%)

C	Si	Mn	P	S	Fe
0.08	0.78	1.43	0.014	0.016	Bal.

Typical mechanical properties of all weld metal

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact value (0°C) J
473	541	31	84

Size (mm) & recommended welding parameters (A) DC+

Diameter	0.9	1.0	1.2
Flat position	60~200	80~230	120~350
Vertical position	60~100	80~180	120~150
Shielding Gas	CO ₂ OR 80%Ar+20%CO ₂		

Note:

- Not recommend for vertical position (upward and downward) on structure parts.

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