

MAG wire

GW11

AWS A5.18M ER49S-G / A5.18 ER70S-G
JIS Z 3312 (a)G57JA2UC11 (b)YGW11
ISO 14341-A-G 42 2 C1 Z

Product Features:

- Suitable for welding of mild and 490 N/mm² high tensile strength steel.
- Ti element contained in wire for improving oxidation resistance capability ,less spatter loss.
- High welding performance, suitable for high current welding.
- High welding speed, deep penetration and high welding efficiency.

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	Ti	Fe
0.06	0.77	1.50	0.023	0.017	0.23	Bal.

Typical mechanical properties of all weld metal

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact value	
			(0°C) J	(-20°C) J
516	594	30	123	88

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

Diameter	1.2	1.4	1.6
Flat position	120~350	240~380	260~450
Horizontal fillet position	120~350	240~380	260~450
Shielding Gas	CO ₂		

Note:

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