

MAG•MIG Wire

GW19

AWS A5.28M ER62S-G / A5.28 ER90S-G
JIS Z 3312 G62A0UM19

Product Features:

- Suitable for welding of 620 N/mm² grade high tensile strength steel.
- Good for higher heat input welding.
- Good mechanical properties.
- Ti element contained for improving oxidation resistance, less spatter loss.

Applications:

- Suitable for welding of 620 N/mm² grade high tensile strength steel structures on vehicles, light steel, pipe, steel structure, bridge and shipbuilding.

Typical chemical composition of wire (%)

C	Si	Mn	Mo	Ti
0.09	0.60	1.46	0.12	a little

Typical mechanical properties of all weld metal

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact value (-30°C) J
666	728	25.2	118

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 / Mixed gas		

Note:

- Typical all weld metal mechanical properties obtained from 80%Ar+20%CO₂ shielding gas welding test.

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