

MAG•MIG Wire

GW18

AWS A5.28M ER55S-G / A5.28 ER80S-G
JIS Z 3312 (a)G59JA3U3M1T (b)YGW18
ISO 14341-A-G 50 3 C1 Z

Product Features:

- Suitable for welding of 550 N/mm² grade high tensile strength steel.
- Good for high heat input welding.
- Good mechanical properties.
- Ti element contained for improving oxidation resistance, less spatter loss.

Applications:

- Suitable for welding of 550 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	P	S	Mo	Ti
0.06	0.81	1.84	0.016	0.004	0.15	0.20

Typical mechanical properties of all weld metal

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact value (0°C) J
604	646	29	168

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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