

TIG rod

GT50

AWS A5.18M ER49S-6 / A5.18 ER70S-6
JIS Z 3316 W49A36
ISO 636-A-W 42 3 W3Si1

Product Features:

- GTAW (TIG) wire available for welding of mild and 490 N/mm² high tensile strength steel.
- Good low temperature impact toughness, suitable for welding of all positions pipe joint root pass and thin plates.
- Shielding gas: Argon (Ar), DC–polarity.

Applications:

- Suitable for all kinds of mild and high strength steel structures.

Typical chemical composition of rod (wt%)

C	Si	Mn	P	S	Fe
0.07	0.86	1.47	0.014	0.006	Bal.

Typical mechanical properties of all weld metal

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact value (-30°C) J
480	556	30	249

Size (mm) & recommended shielding gas

Diameter	1.6	2	2.4	3.2
Length	1000	1000	1000	1000
Shielding Gas	Ar			

Note:

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