

T-50G

AWS ER70S-G
EN G2Ti
JIS YGT50

FOR HIGH TENSILE
STRENGTH STEEL

Typical applications

This rod uses TIG welding on all grades of carbon steel.
It is generally used in root pass welding of pipes in all positions.

Characteristics on Usage

- ① Excellent mechanical and toughness properties in low temperature conditions.
- ② Argon gas is mainly used for the shielding.
- ③ Proper arc length is 1~3mm,

Typical chemical composition of rod (%)

C	Si	Mn	P	S
0.08	0.61	1.21	0.012	0.009

Typical mechanical properties of all-weld-metal

Y · P	T · S	El	Charpy V-notch
N/mm ² {kgf/mm ² }	N/mm ² {kgf/mm ² }	(%)	J {kgf · m} (-29℃)
470 {48}	560 {57}	32	110 {11}

Approved by