

T-70S2
AWS ER70S-2
EN G2Ti
JIS YGT 50
**FOR HIGH TENSILE
STRENGTH STEEL**

Typical applications

This rod uses TIG welding on all grades of carbon steels.
Pipes, offshore drilling rigs, structural steel works, etc.

Characteristics on Usage

- ① This rod is a multiple deoxidized rod containing small amounts of zirconium, titanium and aluminum in addition to the manganese and silicon deoxidizers characteristic of steel rod group.
- ② This rod producing superior quality welds with minimum porosity even over rust and mill scale.

Typical chemical composition of rod (%)

C	Si	Mn	Ti	Al	Zr
0.07	0.54	1.18	0.07	0.08	0.04

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°C)
490 {50}	570 {58}	29	180 {18}

Approved by