

OK Tigrod 12.62

A tripple desoxidized copper coated rod designed for GTAW of mild and fine grained structural- and pressure vessel steels as well as ship building steels. The rod is capable of producing high quality welds in semi-killed and rimmed steel as well as steel of various carbon levels. Because of added desoxidants, Al-Ti-Zr, the rod can also be used for welding steels with a rusty or dirty surface, without any sacrifice of weld quality.

Classifications	SFA/AWS A5.18 : ER70S-2 EN ISO 636-A : W2Ti
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Alloy Type	Carbon-manganese steel
Shielding Gas	I1 (EN ISO 14175)

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
Ar (I1) EN			
As Welded	570 MPa (83 ksi)	625 MPa (91 ksi)	26 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
100% Ar		
As Welded	-40 °C (-40 °F)	180 J (133 ft-lb)

Typical Wire Composition %

C	Mn	Si	S	P	Ni	Cr	Mo	V	Al
0.06	1.1	0.6	0.009	0.008	0.03	0.12	0.01	0.01	0.12

Typical Wire Composition %

Cu	Ti+Zr
0.05	0.13