

## 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.

Specifications	
Classifications	SFA/AWS A5.18 : ER70S-2 EN ISO 636-A : W2Ti
Approvals	CE : EN 13479

Alloy Type	Carbon-manganese steel
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Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
<b>Ar (I1) EN</b>			
As Welded	570 MPa ( 83 ksi )	625 MPa ( 91 ksi )	26 %

Typical Charpy V-Notch Properties		
Condition	Testing Temperature	Impact Value
<b>100% Ar</b>		
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