

# OK Tigrod 12.61

OK Tigrod 12.61 is a copper-coated Mn-Si-alloyed W3Si1/ER70S-6 solid rod for the GTAW of non-alloyed steels, as used in general construction, pressure vessel fabrication and shipbuilding.

<b>Classifications Weld Metal:</b>	EN ISO 636-A:W 42 3 W3Si1
<b>Classifications Wire Electrode:</b>	SFA/AWS A5.18:ER70S-6, EN ISO 636-A:W3Si1
<b>Approvals:</b>	CE EN 13479, DB 42.039.07, VdTÜV 09124

Approvals are based on factory location. Please contact ESAB for more information.

<b>Alloy Type:</b>	Carbon-manganese steel
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Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
<b>Ar (I1) EN</b>			
As welded	470 MPa	560 MPa	26 %

Typical Charpy V-Notch Properties		
Condition	Testing Temperature	Impact Value
<b>Ar (I1) EN</b>		
As welded	-30 °C	70 J

Typical Wire Composition %		
C	Mn	Si
0.078	1.46	0.85