

OK Tigrod 13.23

OK Tigrod 13.23 is a 0.9Ni-alloyed (ER80S-Ni1), copper-coated rod for the GTAW of low-temperature, fine-grained steels. The wire provides good impact toughness down to -50 °C and is especially suitable for use in the offshore industry.

Classifications Wire Electrode	SFA/AWS A5.28 : ER80S-Ni1
Approvals	DNV-GL IV Y40M (I1) NAKS/HAKC 2.0MM-2.4MM

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

Alloy Type	Low alloyed steel (1 % Ni)
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Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
Ar (I1) AWS			
As Welded	500 MPa	600 MPa	25 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
Ar (I1) AWS		
As Welded	0 °C	230 J
As Welded	-20 °C	200 J
As Welded	-46 °C	140 J
As Welded	-60 °C	90 J

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo
0.07	1.11	0.57	0.9	0.07	0.29