

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.

Specifications

Classifications	EN ISO 636-A : W 46 5 Z3Ni1 EN ISO 636-A : W Z3Ni1 SFA/AWS A5.28 : ER80S-Ni1
Approvals	CE : EN 13479 DNV : IV Y40M (I1) UKCA : EN 13479

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

Alloy Type	Low alloyed steel (1% Ni, 0,3% Mo)
Shielding Gas	I1 (EN ISO 14175)

Typical Tensile Properties

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

Typical Charpy V-Notch Properties

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

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo
0.07	1.11	0.57	0.90	0.07	0.29