

OK Tigrod 308LSi

Bare corrosion resisting chromium-nickel rods for welding of austenitic chromium nickel alloys of 18% Cr 8% Ni-type.

OK Tigrod 308LSi has a good general corrosion resistance. The alloy has a low carbon content which makes this alloy particularly recommended where there is a risk of intergranular corrosion. The higher silicon content improves the welding properties, such as wetting. The alloy is widely used in the chemical and food processing industries as well as for pipes, tubes and boilers.

Classifications Wire Electrode	SFA/AWS A5.9 : ER308LSi EN ISO 14343-A : W 19 9 L Si Werkstoffnummer : ~1.4316
Approvals	BV 308L BT CE EN 13479 DB 43.039.11 DNV-GL VL 308 L (1) NAKS/HAKC 1.6MM-3.2MM VdTUV 05335

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

Alloy Type	Austenitic (with approx. 8 % ferrite) 19% Cr - 9% Ni - Low C
Shielding Gas	I1 (EN ISO 14175)

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As Welded	20 °C	170 J
As Welded	-60 °C	150 J
As Welded	-110 °C	140 J
As Welded	-196 °C	75 J

Typical Weld Metal Analysis %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
0.01	1.8	0.7	0.01	0.02	10	20	0.1	0.1	0.07

Typical Weld Metal Analysis %

Nb	FN WRC-92
0.1	8

Typical Wire Composition %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
0.01	1.8	0.8	0.012	0.013	10.0	20.0	0.1	0.10	0.06

Typical Wire Composition %

Nb	FN WRC-92
0.02	8