

OK Tigrod 308LSi

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

OK Tigrod 308LSi has good general corrosion resistance. The alloy has a low carbon content which makes it particularly recommended when 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 (11) 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
-------------------	--

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	480 MPa	625 MPa	37 %

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
0.01	1.8	0.8	0.01	0.02	10	20	0.1	0.1

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo	Cu	Ferrite FN
0.01	1.8	0.9	10.5	19.9	0.15	0.10	9