

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, Werkstoffnummer :~1.4316, EN ISO 14343-A:W 19 9 L Si
Approvals:	CE EN 13479, NAKS/HAKC 2.0MM-3.2MM, BV 308L BT, DB 43.039.11, DNV 308L M, VdTÜV 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
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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 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