

## 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.

<b>Classifications Wire Electrode</b>	EN ISO 14343-A : W 19 9 L Si SFA/AWS A5.9 : ER308LSi Werkstoffnummer : ~1.4316
<b>Approvals</b>	BV 308L BT

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

<b>Alloy Type</b>	Austenitic (with approx. 8 % ferrite) 19% Cr - 9% Ni - Low C
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### Typical Tensile Properties

Yield Strength	Tensile Strength	Elongation
480 MPa (70 ksi)	625 MPa (91 ksi)	37 %

### Typical Charpy V-Notch Properties

Testing Temperature	Impact Value
20 °C (68 °F)	170 J (125 ft-lb)
-60 °C (-76 °F)	150 J (111 ft-lb)
-110 °C (-166 °F)	140 J (103 ft-lb)
-196 °C (-321 °F)	75 J (55 ft-lb)

### 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