

OK Tigrod 308L

OK Tigrod 308L 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 alloy is widely used in the chemical and food processing industries as well as for pipes, tubes and boilers. For joining of stainless steels of 18% Cr - 8% Ni-type with low carbon content and Nb-stabilized steels of the same type if the service temperature will not exceed 350°C. Can also be used for welding of Cr-steels except in sulphur rich environments.

Classifications Wire Electrode:	Werkstoffnummer : ~1.4316, SFA/AWS A5.9:ER308L, EN ISO 14343-A:W 19 9 L
Approvals:	CE EN 13479, NAKS/HAKC 1.6MM-2.4MM, CWB ER308L, DNV 308L (-60°C), VdTÜV 04269

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	610 MPa	36 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As welded	20 °C	170 J
As welded	-80 °C	135 J
As welded	-196 °C	80 J

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo	Cu	N	FN WRC-92
0.02	1.9	0.4	9.8	19.8	0.20	0.15	0.05	9