

OK Tigrod 308L

Bare corrosion resisting chromium-nickel rods. 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.

Classification du fil-électrode	SFA/AWS A5.9 : ER308L EN ISO 14343-A : W 19 9 L Werkstoffnummer : ~1.4316
Approbations	CE EN 13479 CWB ER308L DNV-GL VL 308 L NAKS/HAKC 1.6-2.4 mm VdTUV 04269

Les approbations sont dépendant de l'usine de fabrication. Contactez ESAB pour plus d'informations

Type d'alliage	Austenitic (with approx. 8 % ferrite) 19% Cr - 9% Ni - Low C
Gaz de protection	I1 (EN ISO 14175)

Propriétés de traction typiques

Condition	Limite élastique	Résistance à la traction	Allongement
Brut de soudage	440 MPa	580 MPa	36 %

Résilience Charpy-V

Condition	Test de température	Valeur indicative de résilience
Brut de soudage	20 °C	170 J
Brut de soudage	-80 °C	135 J
Brut de soudage	-196 °C	80 J

Analyse du métal déposé

C	Mn	Si	S	P	Ni	Cr	Mo	Cu
0.01	1.8	0.4	0.015	0.020	10	20	0.1	0.1

Composition du fil

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