OK Tigrod 316LSi

Bare corrosion resisting chroumium-nickel-molybdenium rods for welding of austenitic stainless alloys of 18% Cr-8% Ni and 18% Cr-10% Ni-3% Mo types. OK Tigrod 316LSi has a good general corrosion resistance, in particularly the alloy has very good resistance against corrosion in acid and chlorinated environments. The alloy has a low carbon content which makes it particularly recommended where there is a risc 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 in ship building and various types of architectural structures.

Specifiche	
Classificazioni	EN ISO 14343-A : W 19 12 3 L Si SFA/AWS A5.9 : ER316LSi Werkstoffnummer : ~1.4430
Omologazioni	BV : 316L BT CE : EN 13479 DB : 43.039.06 DNV-GL : VL 316 L (I1) NAKS/HAKC : 1.6-2.4 mm UKCA : EN 13479 VdTÜV : 05336

Le approvazioni si basano sulla posizione della fabbrica. Si prega di contattare ESAB per ulteriori informazioni.

Tipo di lega	Austenitic (with approx. 8 % ferrite) 19% Cr - 12% Ni - 3% Mo - Low C- High Si
Gas di protezione	I1 (EN ISO 14175)

Propriet tensili tipiche			
Stato	**Resistenza allo snervamento**	**Resistenza alla trazione**	**Allungamento**
Come saldato	500 MPa	630 MPa	33 %

Propriet prova Charpy con intaglio a V		
Stato	**Temperatura di prova**	**Valore tenacit**
Come saldato	20 °C	175 J
Come saldato	-110 °C	110 J
Come saldato	-196 °C	90 J

analisi tipica del deposito								
C	**Mn**	**Si**	**S**	**P**	**Ni**	**Cr**	**Mo**	**Cu**
0.01	1.8	0.8	0.01	0.02	12	18	2.8	0.1

Typical Wire Composition %						
C	**Mn**	**Si**	**Ni**	**Cr**	**Mo**	**Cu**
0.01	1.8	0.9	12.2	18.4	2.60	0.12