OK Tigrod 308LSi GTAW

ER308LSi

Description

Bare, corrosion-resistant, chromium-nickel rods for welding austenitic chromium-nickel alloys of the18% 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.

Welding current

DC(-)

Classifications

SFA/AWS A5.9	ER308LSi
EN 12072	W 19 9 LSi
Werkstoffnummer	~1.4316

Wire composition

C	Si	Mn	Cr	Ni	Mo	Cu
<0.03	0.8	1.8	20.3	10.0	<0.3	<0.3

Typical mech. properties all weld metal

Yield stress, MPa	510
Tensile strength, MPa	555
Elongation, %	36

Charpy V

Test temps, °C	Impact values, J
+20	170
-60	150
-110	140
-196	100

Approvals

DB	43.039.11
DNV	308L M
UDT	DIN 8556
VdTÜV	
Ü	43.039/1

Packing data

Diameter, mm	Length, mm	Weight of rods/ box, kg
1.0	1000	5.0
1.2	1000	5.0
1.6	1000	5.0
2.0	1000	5.0
2.4	1000	5.0
3.2	1000	5.0
4.0	1000	5.0