

## **OK TIGROD 16.10**

OK TIGROD 16.10 is a corrosion resistant, chromium-nickel alloyed solid rod for welding austenitic chromium-nickel alloys of 18Cr-8Ni type. OK TIGROD 16.10 has good general corrosion resistance. The alloy has a low carbon content which makes it particularly suitable for applications, 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.

Specifications	
Classifications	SFA/AWS A5.9 : ER308L
Approvals	PDIL: ER308L

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

Alloy Type	Austenitic Cr-Ni
Shielding Gas	I1 (EN ISO 14175)

Typical Tensile Properties						
Condition	Conditional Statement	Yield Strength	Tensile Strength	Elongation		
As Welded	As welded	400 MPa	580 MPa	55 %		

Typical Charpy V-Notch Properties				
Condition	Testing Temperature	Impact Value		
As Welded	-65 °C	100 J		
As Welded	-80 °C	80 J		
As Welded	-196 °C	60 J		

Typical Wire Composition %					
С	Mn	Si	Ni	Cr	
0.02	1.75	0.40	9.60	19.80	