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 %				
C	**Mn**	**Si**	**Ni**	**Cr**
0.02	1.75	0.40	9.60	19.80