

OK TIGROD 16.30

OK TIGROD 16.30 is a corrosion resistant, chromium-nickel-molybdenum alloyed solid rod for welding austenitic stainless alloys of the 18Cr-12Ni-2.5Mo type. The alloy has very good resistance to corrosion in acid and chlorinated environments. OK TIGROD 16.30 has a low carbon content which makes it particularly suitable to the applications, where there is a risk of intergranular corrosion. The alloy is widely used in the chemical and food-processing industries, as well as in shipbuilding and various types of architectural structures.

Specifications

Classifications	SFA/AWS A5.9 : ER316L
Approvals	PDIL : ER316L

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

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

Typical Tensile Properties

Condition	Conditional Statement	Yield Strength	Tensile Strength	Elongation
As Welded	As welded	420 MPa	570 MPa	40 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As Welded	-60 °C	130 J
As Welded	-110 °C	100 J
As Welded	-196 °C	75 J

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo
0.02	1.70	0.40	11.50	18.50	2.30