

OK TIGROD 16.13

OK TIGROD 16.13 is a corrosion-resistant, chromium-nickel alloyed solid rod for welding heat-resistant austenitic stainless steels of 25Cr-20Ni type. OK TIGROD 16.13 has good general oxidation resistance, especially at high temperatures, due to its high Cr content. Common applications include industrial furnaces, boiler parts and heat exchangers.

Specifications

Classifications	SFA/AWS A5.9 : ER310
------------------------	----------------------

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

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	370 MPa	570 MPa	32 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As Welded	20 °C	120 J

Typical Wire Composition %

C	Mn	Si	Ni	Cr
0.10	1.65	0.40	20.30	26.00