

OK TIGROD 16.13

An austenitic stainless steel solid rod for GTAW of 25Cr-20Ni type steels

Classification AWS A5.9: ER310

DESCRIPTION

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.

WELDING CURRENT: DC-

SHIELDING GAS: Ar or He or Ar/He

TYPICAL PROPERTIES

Wire Composition (Wt.%)		All Weld Mechanical Properties	
C	0.09	YS (N/mm ²)	350
Si	0.45	UTS (N/mm ²)	550
Mn	1.75	Elongation (%)	32
Cr	26.70	Impact (CVN)	
Ni	20.60	@ +20°C (Joules)	120

PACKING DATA

Size (mm)	Length (mm)	Packing (5 Kg.)
1.6	1000	✓
2.0	1000	✓
2.5	1000	✓
3.15	1000	✓

PACKING: The rods are packed in tubes weighing 5 kg.