

OK TIGROD 16.10

An extra low carbon stainless steel solid rod for GTAW of 18Cr-8Ni type steels

Classification AWS A5.9: ER308L

DESCRIPTION

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 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 for pipes, tubes and boilers.

APPROVALS: NPC, PDIL & TOYO

WELDING CURRENT: DC-

SHIELDING GAS: Ar

TYPICAL PROPERTIES

Wire Composition (Wt.%)		All Weld Mechanical Properties	
C	0.03	YS (N/mm ²)	400
Si	0.40	UTS (N/mm ²)	580
Mn	1.75	Elongation (%)	45
Cr	19.80	Impact (CVN)	
Ni	9.50	@ -196°C (Joules)	60

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.