

## OK TIGROD 16.11

A Nb stabilized 20Cr-10Ni stainless steel solid rod for GTAW

Classification AWS A5.9: ER347

### DESCRIPTION

OK TIGROD 16.11 is a corrosion-resistant, chromium-nickel alloyed solid rod for welding stabilized austenitic chromium-nickel alloys of 18Cr-8Ni type. OK TIGROD 16.11 has good general corrosion resistance. The alloy is stabilized with niobium to improve resistance to the intergranular corrosion of the weld metal. Due to the niobium content, this alloy is recommended for use at higher temperatures

**APPROVALS:** NPC & TOYO

**WELDING CURRENT:** DC-

**SHIELDING GAS:** Ar

### TYPICAL PROPERTIES

Wire Composition (Wt.%)		All Weld Mechanical Properties	
C	0.04	YS (N/mm <sup>2</sup> )	430
Si	0.40	UTS (N/mm <sup>2</sup> )	620
Mn	1.50	Elongation (%)	35
Cr	19.50	Impact (CVN)	
Ni	9.50	@ +20°C (Joules)	100
Nb	0.50		

### 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.