

TECHNICAL DATA SHEET



Super6 ERNiCr-3

AWS A 5.14 : ERNiCr-3
EN ISO 18274 : Ni 6082 NiCrMn3Nb
Date-20.05.2

DESCRIPTION

Alloy 82 is used for the welding of alloys 600, 601, 690, 800 and 800HT .

Weld metal deposited has high strength and good corrosion resistance, including oxidation resistance and creep rupture strength at elevated temperatures.

Ideal for dissimilar welding applications between various nickel alloys, stainless steels, carbon steels including overlay.

Suitable for applications ranging from cryogenic to high temperatures making this alloy one of the most used in the nickel family.

Typically used in the power generation and petrochemical industries etc.

WELDING POSITIONS

PA,PB,PC,PD,PE,PF,PG

CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.05 MAX	2.50 3.50	0.50 MAX	18.00 22.00	67.00 MIN

MECHANICAL PROPERTIES

Yield Strength	≥ 360
UTS N/mm ²	≥ 600
Elongation	≥ 30%

AVAILABLE FORMATS

TUBE	
Diameter	5.0kg
1.6mm	7798
2.4mm	7802
3.2mm	7799

Shielding Gas	Argon
Current Type	DC-

While all reasonable efforts have been made to ensure the accuracy of this information, it may change at any time and is only intended as general guidance.