

KW-M82

Inconel 600,601.690 / Incoloy 800,800HT

Classifications

EN ISO 18274:2005	: S Ni 6082 (NiCr20Mn3Nb)
AWS A5.14-07	: ERNiCr-3
KS D 7045:2005	: YNiCr-3
JIS Z 3334:2011	: S Ni 6082 (NiCr20Mn3Nb)

Approvals – I1 (100% Ar)

ABS	: ERNiCr-3
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Description

- MIG consumable for Inconel 600, Incoloy 800(HT)- (ASTM B163, B166, B167 or UNS N06082)
- It can be used for dissimilar welding of Inconel 600 with steel or stainless steel
- The weld metal has high strength and good corrosion resistance at elevated temperatures

Welding positions



Polarity & shielding gas

- DCEP (DC+)
- 100% Ar

Typical chemical composition of wire (%)

C	Si	Mn	Cr	Ni	Fe	Nb + Ta
0.02	0.11	3.09	20.32	71.90	1.04	2.44

Typical mechanical properties of all-weld metal

	Tensile Strength (MPa)	Elongation (%)
AWS A5.14	550	-
Example	640	36