



CEWELD NiCro 600 Tig

TYPE	Solid nickel base welding wire for gas tungsten arc welding (GTAW).							
APPLICATIONS	CEWELD NiCro 600 filler metal is used for welding nickel-chromium-iron (Inconel 600, 601 and 690) alloys to themselves, and for dissimilar welding between nickel-chromium-iron (Monel, Inconel and Incoloy) alloys and steels or stainless steels. The applications include surfacing as well as clad-side welding.							
PROPERTIES	High manganese of this weld deposit reduces the possibility of micro fissures. High toughness at low temperatures (–269 °C). Heat- and high temperature resistant. Good resistance to hotcracking. Temperature limits: 900 °C max.							
CLASSIFICATION	AWS	A 5.14: ERNiCr-3						
	EN ISO	18274: S Ni 6082 (NiCr20Mn3Nb)						
	F-nr	43						
	FM	6						
	W.Nr.	2.4806						
SUITABLE FOR	E Ni 6182 (Ni Cr 15 Fe6Mn), E NiCrFe-3, Ni 6082 (NiCr20Mn3Nb) 2.4630, 2.4631, 2.4669, 2.4816, 2.4817, 2.4851, 2.4867, 2.4870, 2.4951 ... (1.4816, 1.4864, 1.4876, 1.4583, 1.4886, 1.5637, 1.5662, 1.5680, 1.6900, 1.6901, 1.6903, 1.6906) NiCr20Ti, NiCr21TiAl, NiCr15Fe7TiAl , NiCr15Fe , LC-NiCr15Fe, NiCr23Fe, NiCr60 15, NiCr80 20, NiCr 10 , NiCr20Ti 1.5637 12 Ni 14, X8Ni9 , 12Ni19 , X12CrNi18 9, GX8CrNi18 10 , X10CrNiTi18 10 , X5CrNi18 10 UNS Nr: K81340 - N06600 - N06601 - N08800 - N08810 ASTM B163, B166, B167 und B168 Alloy 330, Alloy 600, Alloy 600 L, Alloy 800 / 800H UNS N06600, N07080, N0800, N0810							
APPROVALS	No Approvals Found							
WELDING POSITIONS	      							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Nb	Ti	Fe
	0.04	0.11	2.9	20.2	72.3	2.3	0.36	1.3
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V RT	-196°C		
	As Welded /	420	650	35	200	100		
REDRYING TEMPERATURE	Not required							
GAS ACCORDING EN 14175	I1							



CEWELD NiCro 600 Tig

NICRO 600 TIG 1,0 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663418128

NICRO 600 TIG 1,2 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663418135

NICRO 600 TIG 1,6 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663418159

NICRO 600 TIG 1,6 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663418142

NICRO 600 TIG 2,0 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663418173

NICRO 600 TIG 2,0 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663418166

NICRO 600 TIG 2,4 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663418197

NICRO 600 TIG 2,4 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663418180

NICRO 600 TIG 3,2 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663418203

NICRO 600 TIG 3,2 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663418210

NICRO 600 TIG 4,0 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663418227