



# CEWELD AA NiCrO 600B

**TYPE** Basic flux-cored nickel base welding wire for gas shielded arc welding.

**APPLICATIONS** AA NICRO 600B is developed for welding and cladding nickel-based alloys such as alloy 600 or similar materials. This alloy can also be used for welding dissimilar nickel-based alloys to each other, to alloyed steels or to stainless steels. AA NICRO 600B can also be used on difficult to weld steels !

**PROPERTIES** Latest generation basic slag quality guarantees optimum metallurgical quality and attractive welder appeal. The weld deposit meets the NiCrFe-3 requirements. Better bead aspect and shape compare to solid wires with better arc stability and improved wetting properties with less spatters. Excellent results are also achieved without protective gas.

**CLASSIFICATION**

EN ISO	12153-A: T Ni 6082 (NiCr15Fe6Mn) R M21 3
W.Nr.	2.4648
F-nr	43
FM	6

**SUITABLE FOR**

**E Ni 6182 (Ni Cr 15 Fe6Mn), E NiCrFe-3, Ni6082**  
 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 600, Alloy 600 L, Alloy 800 / 800H UNS N06600, N07080, N0800, N0810

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)**

C	Si	Mn	Cr	Ni	Nb	Fe	S
0.01	0.3	5	16.5	Rem.	1.7	6	0.015

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				-196°C		
As Welded	390	610	45	90		HRC

**REDRYING** 140°C / 24 hr

**GAS ACC. EN ISO 14175** M21