



# CEWELD NiCrO 601

**TYPE** Nickel-Chromium-Aluminum alloy for Mig welding alloy 601.

**APPLICATIONS** CEWELD NiCrO 601 is used for severe applications where the exposure temperature can exceed 1150°C (2100°F).

**PROPERTIES** Excellent resistance against corrosion and oxidation and suitable for applications when exposed to hydrogen sulfide or sulfur dioxide.

**CLASSIFICATION**

AWS	A 5.14: ER NiCrFe-11
EN ISO	18274: S Ni 6601(NiCr23Fe15Al)
F-nr	43
FM	6

**SUITABLE FOR** The nominal composition (wt.-%) of filler metal of this classification is 61 Ni, 23 Cr, 14 Fe, and 1.4 Al. Filler metal of this classification is used for welding nickel-chromium-iron-aluminum alloy (ASTM B 166, B 167, and B 168 having UNS number N06601) to itself and to other high-temperature compositions.

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

C	Si	Mn	Cr	Ni	Fe	Al
0.04	0.24	0.53	22.8	61	13.35	1.4

**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
				RT		
As Welded	648	700	42	60		HRC

**REDRYING** Not required

**GAS ACC. EN ISO 14175** 11



# CEWELD NiCro 601

NICRO 601 1,14MM

Packaging	KG/unit	EanCode
BS-300	15	8720663418296