



# CEWELD NiCro 601 Tig

**TYPE** Nickel-Chromium-Aluminum alloy for TIG welding Alloy 601.

**APPLICATIONS** CEWELD® 601 Tig is used for severe applications where the exposure temperature can exceed 2100°F [1150°C].

**PROPRIÉTÉS** 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

**CONVIENT POUR** 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.

**AGRÉMENTS**

**POSITIONS DE SOUDAGE**



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

C	Si	Mn	P	S	Cr	Ni	Fe	Cu	Al
0.08	0.27	0.9	0.01	0.01	23	61	15	0.1	1.5

**PROPRIÉTÉS MÉCANIQUES**

Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness
As Welded		660	48	HRc

**ETUVAGE** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD NiCro 601 Tig

NICRO 601 TIG 1,6 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663418302

NICRO 601 TIG 2,0 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663418319

NICRO 601 TIG 2,4 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663418326