



# CEWELD NILO Alloy 36

**TYPE** Filler metal with extreme low thermal expansion.

**APPLICATIONS** Welding applications that require the lowest thermal expansion to avoid solidification and reheat cracking.

**PROPRIÉTÉS** NILO Alloy 36 is used for welding NILO Alloy 36, NILO Alloy 36 is formulated to have low thermal expansion characteristics similar to NILO Alloy 36, while providing freedom from solidification and reheat cracking. NILO Alloy 36 is available for Tig, Mig and SAW process.

**CLASSIFICATION** W.Nr. 1.3990

**CONVIENT POUR** NILO Alloy 36, Invar, cast Iron

**AGRÉMENTS**

**POSITIONS DE SOUDAGE**



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

C	Mn	Ni	Fe	Nb	Ti
0.25	0.5	36	Rem.	1.5	1

**PROPRIÉTÉS MÉCANIQUES**

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	360	550	25	60	HRC

**ETUVAGE** Not required

**GAS ACC. EN ISO 14175** I1, I3



# CEWELD NILO Alloy 36

NILO ALLOY 36 1,14MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663417831
BS-300	13,6	8720663417848