



# TIG NI601

Old reference: TIG Ni601

## Classification

ISO 18274 : S-Ni 6601 (NiCr23Fe15Al)      AWS A5.14 : ERNiCrFe-11

## Description & Applications

Solid rod for TIG welding of similar Nickel-Chrom-Iron-Aluminum alloys. Used in the construction of equipments submitted to high temperature up to 1150°C.  
Preferred process: GTAW.

**Main applications:** Furnaces, heat treatment equipments.

## Typical Chemical Composition ( % )

C	Si	Mn	Cr	Fe	Al	Cu	Co	P	S	Ni
0.05	0.2	0.5	23.0	14.0	1.3	0.1	0.3	<0.01	<0.01	Rem.

## All Weld Metal Mechanical Properties

$R_{p0.2}$ ( MPa )	$R_m$ ( MPa )	$A_5$ ( % )	KV ( J )
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## Welding Current & Instructions

Welding mode	Shielding Gas
TIG = -	Ar : 6-12 l/min Back shielding : Argon : 3-6 l/min

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