



TIG NI59

Old reference: TIG Ni059

Classification

ISO 18274 : S-Z (NiCr25Mo15)

AWS A5.14 : ~ERNiCrMo-13

Description & Applications

Nickel alloy for TIG welding with high content of Cr and Mo, which gives it exceptional corrosion resistance. It is particularly recommended for cladding of carbon steels and for welding of C 276, C 22, alloy 59, other highly corrosion resistant Ni-alloys and special stainless steels. Works well in different environments, de-pollution (absorbers, chimneys), sea water and fertiliser, flue gas desulphurisation.

Typical Chemical Composition (%)

C	Si	Mn	Cr	Mo	Fe	Al	P	S	Ni
0.01	0.05	0.1	25.0	15.0	0.2	0.1	<0.01	<0.01	Rem.

All Weld Metal Mechanical Properties

$R_{p0.2}$ (MPa)	R_m (MPa)	A_5 (%)
420	740	30

Welding Current & Instructions

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

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