TIG NIX

Old reference: TIG NiX

Classification

ISO 18274 : S-Ni 6002 (NiCr21Fe18Mo9) AMS : 5798
AWS A5.14 : ERNiCrMo-2

Description & Applications

Solid rod for TIG welding, popularly known as HASTELLOY X®. Nickel Base alloy generally used for turbines and engines. Best compromise between resistance to oxidation and mechanical characteristics at high temperature.

Main applications: Aeronautical industry (combustion chamber, etc).

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Typical Chemical Composition (%)

C	Si	Mn	Cr	Fe	Mo	Co	W	Al	Cu	Ni
0.07	0.3	0.6	22.0	19.3	8.5	1.0	0.8	0.3	0.25	Rem.

All Weld Metal Mechanical Properties

$R_{p0.2}$ (MPa)	R_m (MPa)	A_5 (%)
420	680	23

Welding Current & Instructions

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

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