CEWELD NiCro 718 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid wire for Nickel based high strength alloy 718

TOEPASSINGEN

CEWELD NiCro 718 is used in a wide range of applications such as components for liquid fueled rockets, rings, casings and various formed sheet metal parts for aircraft and land-based gas turbine engines, and cryogenic tankage. It is also used for fasteners and instrumentation parts. 718 filler metal can be also used for cladding and overlay of parts in the oil and gas industry.

EIGENSCHAPPEN

Special alloy with age hardenable deposit and similar mechanical properties as the base metal. Age hardened condition: 720°C for 8 Hours, furnace Cool 55°C/hour to 620°C than Air Cool for 8 hours

CLASSIFICATIE

AWS	A 5.14: ERNiFeCr-2
EN ISO	18274: S Ni 7718(NiCr19Fe19Nb5Mo3)
W.Nr.	2.4667
F-nr	43
FM	6

GESCHIKT VOOR

Inconel 718(2.4668), 706 and X-750 (X750)

GOEDKEURINGEN

LASPOSITIES

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	Nb	Ti	Fe	Al	Nb+Ta
0.06	0.2	0.2	20	53	3	5.1	1	15	0.6	5

MECHANISCHE WAARDEN

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	580	860	28	HRc

HERDROGEN

Not required

GAS ACC. EN ISO 14175

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NICRO 718 TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419002

NICRO 718 TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419019

NICRO 718 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419026

NICRO 718 TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419033