CEWELD NiCro 718 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid wire for Nickel based high strength alloy 718

APPLICATIONS

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.

PROPERTIES

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

CLASSIFICATION

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

SUITABLE FOR

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

APPROVALS

No Approvals Found

WELDING POSITIONS

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

ALL WELD MECHANICAL PROPERTIES

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

REDRYING TEMPERATURE

Not required

GAS ACCORDING EN 14175

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	Type	KG/unit	EANCode
NICRO 718 TIG 1,6 X 1000MM	Tube	5	8720663419002
NICRO 718 TIG 2,0 X 1000MM	Tube	5	8720663419019
NICRO 718 TIG 2,4 X 1000MM	Tube	5	8720663419026
NICRO 718 TIG 3,2 X 1000MM	Tube	5	8720663419033