



CEWELD NiCro 718

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 EN ISO W.Nr. F-nr FM A 5.14: ERNiFeCr-2 18274: S Ni 7718(NiCr19Fe19Nb5Mo3) 2.4667 43 6
SUITABLE FOR	Cr-Ni-Nb-Mo alloy and 718, 706, and X-750 alloys. EN W.Nr.: 2.4668 (NiCr19Fe19Nb5Mo3), 2.4669 (NiCr15Fe7TiAl). ASTM: B637, 5589. UNS: N07718, N09706, N07750. Inconel 718(2.4668), 706 and X-750 (X750)
APPROVALS	
WELDING POSITIONS	



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo	Nb	Ti	Fe	Al	Nb+Ta	PREN
	0.06	0.2	0.2	20	53	3	5.1	1	20	0.6	5	27

MECHANICAL PROPERTIES	Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A5 (%)	Hardness
	As Welded	580	860	28	HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1



CEWELD NiCro 718

NICRO 718 1,14MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663418982

NICRO 718 1,2MM

Packaging	KG/unit	EanCode
BS-300	12,70	8720663418968
BS-300	15	8720663418975

NICRO 718 1,6MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663418999