



CEWELD NiCro 718

TYPE	Solid wire for Nickel based high strength alloy 718												
ANWENDUNGEN	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.												
EIGENSCHAFTEN	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.												
KLASSIFIKATION	AWS	A 5.14: ERNiFeCr-2											
	EN ISO	18274: S Ni 7718(NiCr19Fe19Nb5Mo3)											
	W.Nr.	2.4667											
	F-nr	43											
	FM	6											
GEEIGNET FÜR	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)												
ZULASSUNGEN													
SCHWEISSPOSITIONEN	     												
TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)	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	
MECHANISCHE GÜTEWERTE	Heat Treatment			R _{P0,2} (MPa)		R _m (MPa)		A5 (%)		Hardness			
	As Welded			580		860		28		HRc			
RÜCKTROCKNUNG	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