



CEWELD NiCrCo 5828

TYPE	Welding wire for Waspaloy and similar precipitation hardening, high temperature Nickel based alloys.l							
APPLICATIONS	CEWELD NiCrCo 5828 is a high temperature alloy, which is used for welding nickel-chromium-cobalt-molybdenum alloys (UNS Number N07001). Main applications are Gas turbine engine parts, Aerospace components, springs and fasteners.							
PROPERTIES	Very high strength properties at elevated temperatures, Strength is generally comparable to that of Rene 41 and generally superior to Inconel 718. Age hardenable while maintaining excellent high-temperature strength and good corrosion resistance, notably to oxidation, at service temperatures ranging from 1200°F (650°C) up to 1600°F (870°C)							
CLASSIFICATION	AWS	A 5.14: ERNiCrCoMo-2 mod						
	EN ISO	18274: S NiZCr20Co14Mo4Ti3						
	W.Nr.	2.4654						
	F-nr	43						
	FM	6						
SUITABLE FOR	AMS 5708, 5709, 5706, 5707, 5704, 5544, 5586. PWA 1005, 1007, 1016, 1027. ASTM B637.							
APPROVALS	CE							
WELDING POSITIONS	PA PB PC PD PE PF							
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	Cr	Ni	Mo	Ti	Co
	0.06	0.05	0.05	20	58	4	3	14
MECHANICAL PROPERTIES	Heat Treatment			R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness	
	760°C±15°C 10h			1000	1400	14	40 HRc	
REDRYING	Not required							
GAS ACC. EN ISO 14175	I1							