









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						
	F-nr	43						
	FM	6						
	W.Nr.	2.4654						
SUITABLE FOR	AMS 5708, 5709, 5706, 5707, 5704, 5544, 5586. PWA 1005, 1007, 1016, 1027. ASTM B637.							
APPROVALS	CE							
WELDING POSITIONS	     							
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
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A5 (%)		Hardness Rockwell C		
	760°C±15°C /10h	1000	1400	14		Avg. 40		
REDRYING TEMPERATURE	Not required							
GAS ACCORDING EN 14175	I1							