



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.

PROPRIÉTÉS 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

CONVIENT POUR AMS 5708, 5709, 5706, 5707, 5704, 5544, 5586.
PWA 1005, 1007, 1016, 1027.
ASTM B637.

AGRÉMENTS CE

POSITIONS DE SOUDAGE



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

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
760°C±15°C 10h	1000	1400	14	40 HRc

ETUVAGE Not required

GAS ACC. EN ISO 14175 I1