



CEWELD E DUR 1U

TYPE	Cobalt-based thermo shock resistant alloy for overlay applications.		
APPLICATIONS	Steam-valves, high temperature liquid pumps, Hot cutting blades, exhaust valves.		
PROPRIÉTÉS	Outstanding properties against strong abrasion, erosion and corrosion in high temperature (900 °C) environments. This electrode can also perfectly be used for applications which are subject to high friction.		
CLASSIFICATION	AWS EN ISO DIN F-nr	A 5.13: E CoCr-C 14700: E Co3 8555: E 20-UM-55-CTZ 71	
CONVIENT POUR	53-55 HRc, Stellite 1 alloy with high resistance to abrasion, oxidation and erosion, metal to metal friction and wear, heat resistant, high hardness at high temperatures, completely tempering resistant		

AGRÉMENTS

POSITIONS DE SOUDAGE



ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%)

C	Si	Mn	Fe	W	Cr	Co
2.4	0.7	0.4	2.5	11	30	Rem.

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A5 (%)	Hardness
As Welded				55 HRc

ETUVAGE

Not required

GAS ACC. EN ISO 14175