



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	A 5.13: E CoCr-C					
	EN ISO	14700: E Co3					
	DIN	8555: E 20-UM-55-CTZ					
	F-nr	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							