



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



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

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)	A ₅ (%)	Hardness
As Welded				55 HRc

ETUVAGE Not required

GAS ACC. EN ISO 14175