



CEWELD E DUR 1U

TYPE	Cobalt-based thermo shock resistant alloy for overlay applications.(Stellite 1, CoCr-C, E Co3)
APPLICATIONS	CEWELD® E DUR 1U is typically used for cutting tools that need to withstand abrasion, heat and corrosion. Examples of uses include: Industrial knives for cutting carpets, plastics, paper, synthetic fibers and saw tips in the wood industry
PROPERTIES	CEWELD® E DUR 1U has excellent properties against severe abrasion, erosion and corrosion in high temperature environments (900 °C). This electrode is also ideal for applications that 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

SUITABLE FOR	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
--------------	---

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

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

MECHANICAL PROPERTIES

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

REDRYING	Not required
----------	--------------

GAS ACC. EN ISO 14175