



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