






# 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	No Approvals Found						
WELDING POSITIONS	<div> PA</div> <div> PB</div> <div> PC</div>						
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	Fe	W	Cr	Co
	2.4	0.7	0.4	2.5	11	30	Rem.
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R <sub>P0,2</sub> MPa	R <sub>m</sub> MPa	A5 (%)		Hardness Rockwell C	
	As Welded /					Avg. 55	
REDRYING TEMPERATURE	Not required						
GAS ACCORDING EN 14175							