




CEWELD E DUR 12U

TYPE	Cobalt-based thermo shock resistant alloy for overlay applications.					
APPLICATIONS	Steam-valves, high temperature liquid pumps, hot cutting tools, cutting tools for plastic, wood and paper as well as high stressed sealings and sliding surfaces.					
PROPERTIES	Outstanding alloy against abrasion, thermo-shock and corrosion combined with high temperatures. The weld deposit can be machined with tungsten tool tips and by grinding. The hardness of the weld deposit will decrease 20% at 600 °C and has a nominal hardness of 49-53 HRC at room temperature. The weld deposit is high heat resistant up to 900 °C. E Dur 12 offers a low coefficient of friction of and exceptional resistance to galling. It has cavitation-erosion resistance ten times that of 304 stainless steel, E Dur 12 can be used to protect bearing surfaces in non-lubricating conditions due to its resistance to metal-to-metal wear.					
CLASSIFICATION	AWS	A 5.13: E CoCr-B				
	EN ISO	14700: E Co3				
	DIN	8555: E20-UM-50- CSTZ				
	F-nr	71				
SUITABLE FOR	46-48 HRC, Stellite 12 Alloy with high temperature and abrasion resistance, Thermo shock resistant and impact resistant, Hardfacing valves, Seats, Pumps, Knives, Plastic recycling crushers etc.					
APPROVALS	No Approvals Found					
WELDING POSITIONS	<div>PAPBPC</div>					
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Mn	Cr	Fe	W	Co
	1.4	0.1	0.8	2.5	8	Rem.
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)	Hardness Rockwell C	
	As Welded /				Avg. 49	
REDRYING TEMPERATURE	Not required					
GAS ACCORDING EN 14175						



CEWELD E DUR 12U

E DUR 12U 3,2 X 350MM

Type	KG/unit	EANCode
Can	2,6	8720663402134

E DUR 12U 4,0 X 350MM

Type	KG/unit	EANCode
Can		8720663402158