






CEWELD DUR 12 Tig

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 degrees 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. 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, DUR12 can be used to protect bearing surfaces in non-lubricating conditions due to its resistance to metal-to-metal wear.						
CLASSIFICATION	AWS EN ISO DIN F-nr	A 5.21: ERCoCr-B 14700: S Co3 8555: TIG 20-GO-50-CSTZ 71					
SUITABLE FOR	Stellite 12 alloy for hardfacing 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.						
APPROVALS	No Approvals Found						
WELDING POSITIONS	<div> PA</div> <div> PB</div> <div> PC</div>						
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Fe	W	Co
	1.4	0.8	0.1	29	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. 48	
REDRYING TEMPERATURE	Not required						
GAS ACCORDING EN 14175	I1						



CEWELD DUR 12 Tig

DUR 12 TIG 2,4 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663402370
DUR 12 TIG 3,2 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663402387
DUR 12 TIG 4,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663402394
DUR 12 TIG 5,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663402400
DUR 12 TIG 6,4 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663402417