



CEWELD DUR 12 Tig

TYPE	Cobalt-based thermo shock resistant alloy for overlay applications.						
ANWENDUNGEN	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.						
EIGENSCHAFTEN	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.						
KLASSIFIKATION	AWS EN ISO F-nr	A 5.21: ERCoCr-B 14700: S Co3 71					
GEEIGNET FÜR	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.						
ZULASSUNGEN							
SCHWEISSPOSITIONEN	PAPBPC						
TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)	C	Si	Mn	Cr	Fe	W	Co
	1.4	0.8	0.1	29	2.5	8	Rem.
MECHANISCHE GÜTEWERTE	Heat Treatment		R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness	
	As Welded					48 HRc	
RÜCKTROCKNUNG	Not required						
GAS ACC. EN ISO 14175	I1						



CEWELD DUR 12 Tig

DUR 12 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663402370

DUR 12 TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663402387

DUR 12 TIG 4,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663402394

DUR 12 TIG 5,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663402400

DUR 12 TIG 6,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663402417