



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.

PROPRIÉTÉS 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

CONVIENT POUR 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.

AGRÉMENTS

POSITIONS DE SOUDAGE



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Mn	Cr	Fe	W	Co
1.4	0.1	0.8	2.5	8	Rem.

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded				49 HRc

ETUVAGE Not required

GAS ACC. EN ISO 14175



CEWELD E DUR 12U

E DUR 12U 3,2 X 350MM

Packaging	KG/unit	EanCode
Can	2,6	8720663402134