



# CEWELD DUR 6 Tig

**TYPE** Cobalt-based thermo shock resistant alloy for overlay applications. (Stellite 6)

**APPLICATIONS** Steam-valves, high temperature liquid pumps, hot cutting tools, exhaust valves.

**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 16% at 300°C and about 30% at 600°C. The weld deposit is high heat resistant up to 900°C. DUR 6 offers a low coefficient of friction of 0.12 and exceptional resistance to galling. It has cavitation-erosion resistance ten times that of 304 stainless steel, DUR 6 can be used to protect bearing surfaces in non-lubricating conditions due to its resistance to metal-to-metal wear.

**CLASSIFICATION**

AWS	A 5.21: ERCoCr-A
EN ISO	14700: S Co2
F-nr	71

**SUITABLE FOR** Stellite 6 alloy for, Steam-valves, high temperature liquid pumps, hot cutting tools, exhaust valves and seats

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

C	Si	Mn	Cr	Fe	W	Co
1.1	1	0.6	28	2.5	5	Rem.

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness
As Welded				40 HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD DUR 6 Tig

DUR 6 TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663402271
DUR 6 TIG 3,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663402288
DUR 6 TIG 4,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663402295
DUR 6 TIG 5,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663402301
DUR 6 TIG 6,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663402318