


## DUR 6 TIG

CATEGORY	GMAW-GTAW Solid wires		
TYPE	Cobalt-based thermo shock resistant alloy for overlay applications.		
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: ER CoCr-A	
	EN ISO	14700: RZ Co2	
	DIN	8555: WSG 20-G0-40-CTZ	
SUITABLE FOR	Stellite 6 alloy for, Steam-valves, high temperature liquid pumps, hot cutting tools, exhaust valves and seats		
APPROVALS	CE approved		
WELDING POSITIONS:			
REDRYING TEMPERATURE	not required		
NOTE	Also available as fluxcored wire for Mag welding		