

## DUR 12 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, 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 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. Dur 12 offers a low coefficient of friction and exceptional resistance to galling. It has cavitation-erosion resistance ten times that of 304 stainless steel, 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 5.21: ER CoCr-B	
	EN ISO	14700: RZ Co3	
	DIN	8555: WSG 20-G0-50-CKTZ	
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	CE approved		
WELDING POSITIONS:			
NOTE	Also available as fluxcored wire for FCAW.		