

CEWELD DUR 25 Tig

TYPE	Cobalt based Tig filler metal for CoCrWNi deposits.													
APPLICATIONS	Dur 25 combines properties which make it suitable for a number of component applications in the aerospace industry, including parts in established military and commercial gas turbine engines. In modern engines, it has largely been replaced by newer materials such as 188 alloy, and, most recently, 230® alloy, which possess improved properties. Another area of significant usage for Dur 25 is as a bearing material, for both balls and races.													
PROPRIÉTÉS	Dur 25 (UNS R30605) is a cobalt-nickel- chromium-tungsten alloy that combines excellent high-temperature strength with good resistance to oxidizing environments up to 1800°F (980°C) for prolonged exposures, and excellent resistance to sulfidation. It can be fabricated and formed by conventional techniques, and has been used for cast components. Other attractive features include excellent resistance to metal galling.													
CLASSIFICATION	EN ISO 14700: ~E Co1													
CONVIENT POUR	Wear problems at high temperatures in case high strength is required.													
AGRÉMENTS														
POSITIONS DE SOUDAGE	 PA  PB  PC  PD  PE  PF  PG													
ANALYSE CHIMIQUE TYPIQUE DU MÉTAL D'APPORT (%)	C	Ni	Cr	W	Mo	Co	Mn	Si	Fe					
	0.1	10	20	15	0.5	Rem.	1.5	0.3	1.5					
PROPRIÉTÉS MÉCANIQUES	Heat Treatment As Welded			$R_{P0.2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness							
				825	925	1.5	35 HRc							
ETUVAGE	Not required													
GAS ACC. EN ISO 14175	I1													