



CEWELD Powder PTA DUR 6

TYPE	Gas atomized spherical Cobalt-Chromium-Tungsten alloy.						
APPLICATIONS	Outstanding alloy against abrasion, thermo-shock and corrosion combined with high temperatures. Dur 6 PTA Powder is the most widely used of the wear resistant cobalt based alloys and exhibits good all-round performance. It is regarded as the industry standard for general-purpose wear resistance applications.						
PROPRIÉTÉS	The alloy deposit can be machined with tungsten tool tips and by grinding. The hardness of the deposit will decrease 16% at 300°C and about 30% at 600°C. Excellent alloy against thermal shock, abrasion, erosion, corrosion and cavitation at high temperature and excellent resistance to many forms of mechanical and chemical degradation over a wide temperature range, and retains a reasonable level of hardness up to 500°C (930°F).						
CLASSIFICATION	EN ISO		14700: P Z Co2				
CONVIENT POUR	Examples include valve seats and gates; pump shafts and bearings, erosion shields and rolling couples. It is often used self-mated.						
AGRÉMENTS							
POSITIONS DE SOUDAGE							
ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%)	Co	C	Si	Cr	W	Fe	Ni
	Rem.	1	1	28	4	1	2
PROPRIÉTÉS MÉCANIQUES	Heat Treatment		RP0,2 (MPa)	Rm (MPa)	A5 (%)	Hardness	
	As Welded					45 HRc	
ETUVAGE	Not required						
GAS ACC. EN ISO 14175							