



CEWELD E DUR RU

TYPE	Iron based SMAW electrode filled with tungsten carbides for extreme wear resistant overlays.									
APPLICATIONS	To be applied on-armor-plating's of tools and machine parts in the mining, road construction, well digging, special civil engineering, depression drilling technology, where strongest abrasion by minerals may occur.									
PROPRIÉTÉS	CEWELD® E DUR RU is a steel tube filled with fused tungsten carbides. The weld deposit contains a high amount of tungsten carbides embedded in a steel matrix. The extraordinary hardness of the fused tungsten carbides (WSC) of approx. 2300 HV imply the high build-up wear resistance. It is a dip-coated electrode suitable for electrical welding on AC as well as on DC. The carbon content of the base metal should not exceed 0,45 % in order to avoid lack of fusion.									
CLASSIFICATION	EN ISO	14700: E Fe20								
CONVIENT POUR	Scratchers, Mixers, Deep drilling, Mining, Bentonit mixers, Cement mixers, Stabilisers, Impellers, Augers etc.									
AGRÉMENTS										
POSITIONS DE SOUDAGE	 PA									
ANALYSE CHIMIQUE TIPIQUE DU MÉTAL DE SOUDURE (%)										
PROPRIÉTÉS MÉCANIQUES	Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness					
	As Welded				2350 HV					
ETUVAGE	Not required									
Matrix: > 60 HRc, WSC (carbides) > 2300 HV										
GAS ACC. EN ISO 14175										