



CEWELD SP 95/5 (NiAl)

TYPE	SP 95/5 is a Nickel-Aluminum based alloy for use as a bonding layer with the thermal spray process					
APPLICATIONS	New coatings on machine parts and shafts to increase life, rebuilding wornout parts etc. Layer thickness: approximately 0.1- 0.15 mm.					
PROPERTIES	This alloy offers the highest bonding properties available for both the Flame spray process as the Arc Spray process. The wire has a high polished and clean surface to assure the best feeding and thermal spray properties. Sprayed layers of this material are-resistant to variation in high temperatures and are used as a buffer layer for all other spraying alloys. Hardness, coating macro: approximately HRc 22. Maximum working temperature: approximately 850 °C					
CLASSIFICATION	EN ISO		14919: 6.5			
SUITABLE FOR	Shafts, Clutches, Gliding surfaces, Valves, Bond coatings etc.					
APPROVALS						
WELDING POSITIONS						
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Si	Mn	Ti	Fe	Al	Ni
	0.2	0.2	0.2	0.1	5.2	Rem.
MECHANICAL PROPERTIES	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness	
	As Welded				75 HB	
REDRYING	Not required					
GAS ACC. EN ISO 14175	None					