



CEWELD NiCrBSi 62 G

TYPE	Gas atomized nickel powder alloy against heavy wear						
APPLICATIONS	Flame spray powder for overlay spray and fuse and Laser or PTA welding on wear parts that need to outlast new parts where high temperatures combined with corrosion and wear resistance is required..						
PROPERTIES	Gas atomized powder Ni-alloy flux with excellent corrosion and wear resistance suitable for working temperatures Up to 820°C. CEWELD® NiCrBSi 62 offers coatings that are dense and practically oxide free. The low friction properties makes the alloy excellently suitable for metal to metal wear. Machinable by grinding.						
CLASSIFICATION	AWS 636-A: ~NiCrBSi 74 15						
SUITABLE FOR	Applications include shafts, sleeves, and valve, trims. Some specific examples are ball joints, bearings, brick augers, bushings, cams, chuck jaws, conveyor parts, deep hole drills, feeder shoes, glass plungers, mill guides, mixing blades, pistons, plug, gauges, pump shafts, rocker arms, screw conveyors, sprockets center, trip dogs, valves, disks, and seats.						
APPROVALS							
WELDING POSITIONS							
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Cr	Ni	Fe	B	Co
	0.75	4.6	17	Rem.	5	3	0.1
MECHANICAL PROPERTIES	Heat Treatment		$R_{P0,2}$ (MPa)	R_m (MPa)	A5 (%)	Hardness	
	As Welded					58 HRc	
REDRYING	Not required						

GAS ACC. EN ISO 14175