




# CEWELD SP 80/20 NiCr

TYPE	Metal spray wires						
APPLICATIONS	SP 80/20 NiCr is widely used as a bond coat for subsequent thermal spray layers and as a one step build up material for dimensional restoration. Excellently suitable as a buffer layer before finishing with ceramic layers.						
PROPERTIES	CEWELD SP 80/20 NiCr is a nickel-chromium electrical-resistance alloy for use at operating temperatures up to (2100 °F) 1150 °C. It contains rare-earth additions for increased oxidation resistance, especially under conditions of frequent switching or wide temperature fluctuations. The alloy has a low temperature coefficient of resistance, making it suitable for control resistors. Used for heating elements in domestic appliances and industrial equipment.						
CLASSIFICATION	EN ISO		14919: 6.4				
SUITABLE FOR	NiCr metal spray wire for heat resistant coatings with excellent bonding strength.						
APPROVALS							
WELDING POSITIONS							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Si	Mn	Cr	Fe	Cu	C	Ni
	0.12	0.25	20	0.2	0.1	0.02	Rem.
MECHANICAL PROPERTIES	Heat Treatment		R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A5 (%)	Hardness	
	As Welded					90 HRc	
REDRYING	Not required						
GAS ACC. EN ISO 14175	None						



# CEWELD SP 80/20 NiCr

SP 80/20 NICR 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663409959
BS-300	15	8720663409966