




# 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 (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 16.6%;">Si</td> <td style="width: 16.6%;">Mn</td> <td style="width: 16.6%;">Cr</td> <td style="width: 16.6%;">Fe</td> <td style="width: 16.6%;">Cu</td> <td style="width: 16.6%;">Ni</td> </tr> <tr> <td>0.2</td> <td>1</td> <td>20</td> <td>0.1</td> <td>0.1</td> <td>Rem.</td> </tr> </table>	Si	Mn	Cr	Fe	Cu	Ni	0.2	1	20	0.1	0.1	Rem.
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MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 33.3%;">Heat Treatment</td> <td style="width: 16.6%;">R<sub>p0,2</sub> (MPa)</td> <td style="width: 16.6%;">R<sub>m</sub> (MPa)</td> <td style="width: 16.6%;">A5 (%)</td> <td style="width: 16.6%;">Hardness</td> </tr> <tr> <td>As Welded</td> <td></td> <td></td> <td></td> <td>90 HRc</td> </tr> </table>	Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A5 (%)	Hardness	As Welded				90 HRc		
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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