



CEWELD NiCro 92 Tig

TYPE	Nickel based Mig / Tig filler metal														
APPLICATIONS	Cladding applications to resist extreme high temperatures and thermal shocks in extreme corrosive environments.														
PROPERTIES	CEWELD NiCro 92 provides high mechanical strength and corrosion resistance at temperatures ranging from the cryogenic region to over 980°C. The weld deposit can be age hardened for greater strength at temperatures to about 700°C.														
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.14: ERNiCrFe-6</td> </tr> <tr> <td>EN ISO</td> <td>18274: S Ni 7092(NiCr15Ti3Mn)</td> </tr> <tr> <td>F-nr</td> <td>43</td> </tr> <tr> <td>FM</td> <td>6</td> </tr> </table>	AWS	A 5.14: ERNiCrFe-6	EN ISO	18274: S Ni 7092(NiCr15Ti3Mn)	F-nr	43	FM	6						
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SUITABLE FOR	Joining Inconel and Incoloy alloys to stainless steels, carbon steels, Monel alloys, joining Monel alloys and Nickel 200 to stainless steels and joining stainless steels to carbon steels. This filler metal can also be used for welding Nickel steels. Excellent for cladding valves and pistons at high working temperature engines.														
APPROVALS	No Approvals Found														
WELDING POSITIONS															
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>Cr</th> <th>Ni</th> <th>Ti</th> <th>Fe</th> </tr> </thead> <tbody> <tr> <td>0.06</td> <td>0.2</td> <td>2.5</td> <td>16</td> <td>70</td> <td>3</td> <td>6</td> </tr> </tbody> </table>	C	Si	Mn	Cr	Ni	Ti	Fe	0.06	0.2	2.5	16	70	3	6
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ALL WELD MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th>Heat Treatment</th> <th>R_{p0,2} MPa</th> <th>R_m MPa</th> <th>A₅ (%)</th> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td></td> <td>552</td> <td>30</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	As Welded /		552	30						
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REDRYING TEMPERATURE	Not required														
GAS ACCORDING EN 14175	I1														