



# CEWELD NiCrCo 282

TYPE	Nickel based Solid wire, HAYNES 282-Typ (NiCrCoMo) , precipitation hardening, high temperature alloy used for welding similar to composition base alloys.																		
APPLICATIONS	CEWELD NiCrCo 282 is a high temperature alloy which is used for welding of nickel-chromium-cobalt-molybdenum alloys (UNS Number N07208). This filler metal can also be used for suitable for critical gas turbine applications found in the combustors, turbine and exhaust sections, and nozzle components, Aerospace components, Springs and fasteners																		
PROPERTIES	Very high strength at elevated temperatures Strength is generally comparable or surpassing Waspaloy and approaching R-41 and Alloy 263 hardenable High temperature dynamic applications																		
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.14: ERNiCrCoMo-2 mod</td> </tr> <tr> <td>EN ISO</td> <td>18274: S NiZCr20Co10Mo8Ti3</td> </tr> <tr> <td>F-nr</td> <td>43</td> </tr> <tr> <td>FM</td> <td>6</td> </tr> </table>	AWS	A 5.14: ERNiCrCoMo-2 mod	EN ISO	18274: S NiZCr20Co10Mo8Ti3	F-nr	43	FM	6										
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SUITABLE FOR	HAYNES® 282® alloy, UNS N07208, SAE AMS 5951 / 5915, ASTM B637																		
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>Mo</th> <th>Ti</th> <th>Co</th> <th>Al</th> </tr> </thead> <tbody> <tr> <td>0.06</td> <td>0.15</td> <td>0.3</td> <td>20</td> <td>57</td> <td>8.5</td> <td>2.1</td> <td>10</td> <td>1.5</td> </tr> </tbody> </table>	C	Si	Mn	Cr	Ni	Mo	Ti	Co	Al	0.06	0.15	0.3	20	57	8.5	2.1	10	1.5
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ALL WELD MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th>Heat Treatment</th> <th>R<sub>P0,2</sub> MPa</th> <th>R<sub>m</sub> MPa</th> <th>A<sub>5</sub> (%)</th> <th>Hardness Rockwell C</th> </tr> </thead> <tbody> <tr> <td>760°C±15°C /10h</td> <td>1100</td> <td>1450</td> <td>28</td> <td>Avg. 40</td> </tr> </tbody> </table>	Heat Treatment	R <sub>P0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Hardness Rockwell C	760°C±15°C /10h	1100	1450	28	Avg. 40								
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REDRYING TEMPERATURE	Not required																		
GAS ACCORDING EN 14175	I1																		