
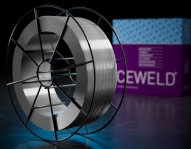


CEWELD NiCrCo 617

TYPE	Nickel based alloy with high heat resistance combined with excellent mechanical strength																				
APPLICATIONS	CEWELD NiCrCo 617 is a high temperature alloy which is used for welding of nickel-chromium-cobalt-molybdenum alloys (UNS Number N06617). This filler metal can also be used for overlay cladding where similar alloy is required such as gas turbines and ethylene equipment.																				
PROPERTIES	Weld metal provides optimum strength and oxidation resistance above 815 °C (1500°F) up to 1149 °C (2100°F), especially when welding on base metals of nickel-iron-chromium alloys.																				
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.14: ERNiCrCoMo-1</td> </tr> <tr> <td>EN ISO</td> <td>18274: S Ni 6617(NiCr22Co12Mo9)</td> </tr> <tr> <td>F-nr</td> <td>43</td> </tr> <tr> <td>FM</td> <td>6</td> </tr> <tr> <td>W.Nr.</td> <td>2.4627</td> </tr> </table>	AWS	A 5.14: ERNiCrCoMo-1	EN ISO	18274: S Ni 6617(NiCr22Co12Mo9)	F-nr	43	FM	6	W.Nr.	2.4627										
AWS	A 5.14: ERNiCrCoMo-1																				
EN ISO	18274: S Ni 6617(NiCr22Co12Mo9)																				
F-nr	43																				
FM	6																				
W.Nr.	2.4627																				
SUITABLE FOR	<p>E Ni 6617(NiCr22Co12Mo), ENiCrCoMo-1, 2.4628 2.4663, 2.4851, 1.4876, 1.4859, 1.4952, 1.4958, 1.4959, NiCr21Co12Mo, NiCr23Co12Mo, NiCr23Fe, X6CrNiNbN 25 20, X5NiCrAlTi 31 20, X8NiCrAlTi 32 21, X10 NiCrAlTi 32 21, GX10 NiCrSiNb 32 20, UNS: N06601, N06617, N08810, N08811 Inconel Alloys 600 and 601, Incoloy Alloys 800 HT and 802 and cast Alloys such as HK-40, HP and HP-45 Modified, Alloy 617,</p>																				
APPROVALS	No Approvals Found																				
WELDING POSITIONS																					
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> <th>Ti</th> <th>Fe</th> <th>Co</th> <th>Al</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.8</td> <td>0.8</td> <td>22</td> <td>50</td> <td>9</td> <td>0.4</td> <td>2.5</td> <td>13</td> <td>1</td> </tr> </tbody> </table>	C	Si	Mn	Cr	Ni	Mo	Ti	Fe	Co	Al	0.1	0.8	0.8	22	50	9	0.4	2.5	13	1
C	Si	Mn	Cr	Ni	Mo	Ti	Fe	Co	Al												
0.1	0.8	0.8	22	50	9	0.4	2.5	13	1												
ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R_{P0,2} MPa</th> <th rowspan="2">R_m MPa</th> <th rowspan="2">A₅ (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> </tr> <tr> <th colspan="2">RT</th> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td>480</td> <td>760</td> <td>32</td> <td colspan="2">120</td> </tr> </tbody> </table>	Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V		RT		As Welded /	480	760	32	120							
Heat Treatment	R _{P0,2} MPa					R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V													
		RT																			
As Welded /	480	760	32	120																	
REDRYING TEMPERATURE	Not required																				
GAS ACCORDING EN 14175	I1																				



CEWELD NiCrCo 617

NICRCo 617 0,8MM

Type	KG/unit	EANCode
BS-300	15	8720663419569

NICRCo 617 0,9MM

Type	KG/unit	EANCode
BS-300	13,6	8720663419576

NICRCo 617 1,14MM

Type	KG/unit	EANCode
BS-300	13,60	8720663419583

NICRCo 617 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720663419590

NICRCo 617 1,6MM

Type	KG/unit	EANCode
BS-300	13,6	8720663419651