

# CEWELD NiCrCo 617 Tig

**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 816°C (1500°) up to 1149°F (2100°F), especially when welding on base metals of nickel-iron-chromium alloys.

**CLASSIFICATION**

AWS	A 5.14: ERNiCrCoMo-1
EN ISO	18274: S Ni 6617(NiCr22Co12Mo9)
W.Nr.	2.4627
F-nr	43
FM	6

**SUITABLE FOR** **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,

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

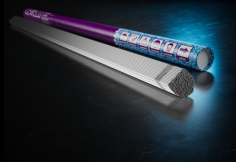
C	Si	Mn	Cr	Ni	Mo	Ti	Fe	Co	Al
0.1	0.8	0.8	22	55	9	0.2	2.5	13	1

**MECHANICAL PROPERTIES**

Heat Treatment	Rp0,2 (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT		
As Welded	480	760	32	120		HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD NiCrCo 617 Tig

NICRCo 617 TIG 1,6 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419682

NICRCo 617 TIG 1,6 X  
914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663419675

NICRCo 617 TIG 2,0 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419705

NICRCo 617 TIG 2,0 X  
914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663419699

NICRCo 617 TIG 2,4 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419729

NICRCo 617 TIG 2,4 X  
914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663419712

NICRCo 617 TIG 3,2 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419743

NICRCo 617 TIG 3,2 X  
914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663419736