

# CEWELD Alloy C-276 Tig

**TYPE** Nickel based Tig filler metal for welding similar NiCrMo alloys.

**TOEPASSINGEN** CEWELD Alloy C276 is used for welding materials of similar composition. This low carbon nickel-chromium-molybdenum filler metal can also be used for dissimilar welding between nickel base alloys and stainless steels, as well as for surfacing and cladding on low alloyed steels.

**EIGENSCHAPPEN** Due to high molybdenum content this alloy offers excellent resistance too stress & corrosion cracking, pitting and crevice corrosion. High mechanical properties with excellent weldability.

**CLASSIFICATIE**

AWS	A 5.14: ERNiCrMo-4
EN ISO	18274: S Ni 6276 (NiCr15Mo16Fe6W4)
W.Nr.	2.4887
F-nr	43
FM	6

**GESCHIKT VOOR** **Alloy 276, Ni 6276 (NiCr15Mo16Fe6W4). 2.4886, 2.4887**  
**M.No:** 1.5680, 1.5682, 2.4819, 2.4883  
 NiMo16Cr15W, X12Ni5 / 12Ni19, X8Ni9, G-NiMo16Cr  
 Alloy C4, Hastelloy C276, A494CW-12MW, A743 / A744CW-12M

**GOEDKEURINGEN**

**LASPOSITIES**



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

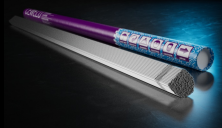
C	Si	Mn	P	S	Cr	Ni	Mo	V	Fe	W	Co	Cu
0.01	0.07	0.4	0.02	0.01	15.5	60	16	0.2	5	3.5	1	0.2

**MECHANISCHE WAARDEN**

Heat Treatment	R <sub>P0.2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				RT		
As Welded	470	740	32	100		HRc

**HERDROGEN** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD Alloy C-276 Tig

ALLOY C-276 TIG 1,2  
X1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419934

ALLOY C-276 TIG 1,6 X  
914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420008

ALLOY C-276 TIG 1,6  
X1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419996

ALLOY C-276 TIG 2,0 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663420015

ALLOY C-276 TIG 2,0 X  
914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420022

ALLOY C-276 TIG 2,4 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663420039

ALLOY C-276 TIG 2,4 X  
914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420046

ALLOY C-276 TIG 3,2 X  
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663420053

ALLOY C-276 TIG 3,2 X  
914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420060