



# CEWELD 4440 AC

**TYPE** Rutile basic Austenitic, non magnetic stainless steel electrode

**APPLICATIONS** CEWELD® 4440 AC made for welding stabilized and un-stabilized CrNiMo(N) type of steels with high corrosion resistance. Also suitable for dissimilar welds between steel and stainless steel or dissimilar stainless steels. Mainly used in chemical, paper and cotton industry

**PROPERTIES** CEWELD® 4440 AC have high mechanical properties and excellent weldability, corrosion resistance is better than AISI 316 due to the high Mo. content. Suitable for use up to 400 °C. The weld deposit is non magnetic.

**CLASSIFICATION**

AWS	A 5.4: E ~317L-17
EN ISO	3581-A: E 18 16 5 L R 32
W.Nr.	1.4440
F-nr	4
FM	5

**SUITABLE FOR** Designed for joining corrosion resistant CrNiMoN steel as well as for austenitic-ferritic joints.  
**ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 26, 27, 28**  
 1.4429, 1.4434, 1.4435, 1.4436, 1.4438, 1.4439, 1.4453, 1.4583, X2CrNiMoN 17 13 5, X2CrNiMoN 17 13 3, X2CrNiMo 18 15 4, X10CrNiMoNb 18 12, X2CrNiMoN17-13-3, X2CrNiMoN18-12-4, X2CrNiMo18-14-3, X3CrNiMnMoN19-16  
 UNS S31600, S31653, S31703, S31726, S31753  
 AISI 316Cb, 316L, 316LN, 317L, 317LN, 317LMN

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)**

C	Si	Mn	P	S	Cr	Ni	Mo
0.03	0.8	1.1	0.02	0.015	19	13	3.8

**MECHANICAL PROPERTIES**

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	400	580	32	70		HRc

**REDRYING** 300°C / 2 hr

**GAS ACC.** EN ISO 14175



# CEWELD 4440 AC

4440 AC 2,5 X 300MM

Packaging	KG/unit	EanCode
Can	2,0	8720663413093

4440 AC 3,2 X 350MM

Packaging	KG/unit	EanCode
Can	2,5	8720663413109

4440 AC 4,0 X 350MM

Packaging	KG/unit	EanCode
Can	2,5	8720663413116