



# CEWELD SA 307

**TYPE** Stainless steel 307 Type Solid wire for SAW dissimilar welding and buffer layers.(1.4370, 307, 18 8)

**APPLICATIONS** CEWELD® SA 307 for tough buffer layers before hardfacing, 14% manganese steels, 13 - 17% chromium and heat-resistant steels and mixed compounds. Rails, as a buffer layer on concrete crushers

**PROPERTIES** CEWELD® SA 307 has a medium strength with very high resistance to cracking due to its high elongation. We recommend CEWELD® FL 838 or FL 880 as welding flux

**CLASSIFICATION**

AWS	A 5.9: ~ER 307
EN ISO	14343-A: S 18 8 Mn
W.Nr.	1.4370
F-nr	6
FM	5

**SUITABLE FOR** **19%Cr, 9%Ni Type, ISO 15608: 8.1 , 1.4316**  
 1.4306, 1.4301, 1.4541, 1.4550, 1.4311, 1.4546, 1.4312, 1.4300, 1.4312, 1.4371, 1.4541, 1.4543, 1.4550, 1.4452  
 X2CrNi 19 11 (TP), X4CrNi 18 10 (TP), X6CrNiTi 18 10 (TP), X6CrNiNb 18 10 (TP), X2CrNiN 18 10 (TP), X5CrNiNb 18 10, G-X10CrNi 18 8 (TP)  
 AISI 202, 302, 304L, 304, 305, 321, 347, 304 LN,  
 ASTM A320 Grade B8C/D

**APPROVALS** CE

**WELDING POSITIONS**



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

C	Si	Mn	P	S	Cr	Ni
0.09	0.7	6.5	0.02	0.02	18	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	600	34	80		HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175**