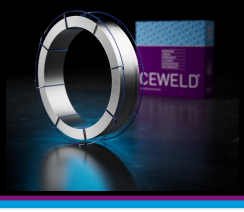

CEWELD SA 430

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid wire for submerged arc welding with 17% Cr.

APPLICATIONS

Cladding seats, valves, wheels, shafts etc.

PROPRIÉTÉS

Submerged arc welding wire to be used with fused flux FL 880 or agglomerated flux FL 838 flux with excellent welding properties. Stainless deposit with low carbon content. Low heat input is recommended to avoid pronounced grain coarsening. Absence of stabilization means that this steel is distinctly vulnerable to sensitization phenomenon during welding, even though martensite hogs a great amount of carbon and nitrogen.

CLASSIFICATION

AWS	A 5.9: ER430
EN ISO	14343-A: S 17
W.Nr.	1.4016
F-nr	6
FM	5

CONVIENT POUR

1.4000, 1.4002, 1.4016, 1.4057, 1.4740, 1.4742, 1.4057, 1.4059, 1.4741, 1.4509, 1.4510, 1.4511, 1.4512, 1.4520, 1.4712, 1.4713, 1.4724,
X7Cr14, X12Cr13, X17CrNi16-2, X6Cr13, X6CrAl13, X6Cr17, X17CrNi16-2, X2CrTiNb18, X3CrTi17, X3CrNb17, X2CrTi12, X2CrTi17, X10CrSi6, X10CrAlSi7, X10CrAlSi13, X10CrAlSi18
UNS S40300, S40500, S40900, S41000, S42900, S43000, S43035, S43036, S43100, S44200
AISI 403, 405, 409, 410, 429, 430, 430Cb, 430Ti, 439, 431, 442

AGRÉMENTS

POSITIONS DE SOUDAGE

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo
0.02	0.4	0.46	0.02	0.01	17	0.3	0.3

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	>300	>450	>20	250 HB

ETUVAGE

Not required

GAS ACC. EN ISO 14175

CEWELD SA 430

SA 430 3,2MM

Packaging	KG/unit	EanCode
K-415	25	8720663412072