

# CEWELD SA 430

**TYPE** Solid wire for submerged arc welding with 17% Cr.

**APPLICATIONS** Cladding seats, valves, wheels, shafts etc.

**PROPERTIES** 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

**SUITABLE FOR** 1.4000, 1.4002, 1.4016, 1.4057, 1.4113, 1.4057, 1.4059, 1.4332, 1.4502, 1.4509, 1.4510, 1.4511, 1.4512, 1.4520, 1.4523, 1.4712, 1.4713, 1.4724, 1.4740, 1.4741, 1.4742, 1.4842, 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

**APPROVALS**

**WELDING POSITIONS**



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

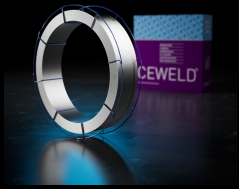
C	Si	Mn	P	S	Cr	Ni	Mo
0.02	0.4	0.46	0.02	0.01	17	0.3	0.3

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0.2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness
As Welded	>300	>450	>20	250 HB

**REDRYING** Not required

**GAS ACC. EN ISO 14175**



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SA 430 3,2MM

Packaging	KG/unit	EanCode
K-415	25	8720663412072