



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, 1.4740, 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

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 _{p0.2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded | >300 | >450 | >20 | 250 HB |

REDRYING Not required

GAS ACC. EN ISO 14175



CEWELD SA 430

SA 430 3,2MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| K-415 | 25 | 8720663412072 |