CEWELD 430 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid stainless steel welding wire for ferritic stainless steels. (Type 430, 17%Cr)

APPLICATIONS

CEWELD® 430 Tig can be used for various build-up welding and joining applications. Sealing surfaces in steam, gas, and water fittings at operating temperatures up to +450°C.

PROPERTIES

CEWELD® 430 Tig offers excellent weldability, good corrosion resistance and high temperature resistance. Its Brinell hardness is approximately 225 HB, depending on the base material and the number of layers.
CEWELD® 430 Tig exhibits scale resistance of up to 950°C in air, oxidising combustion gases and sulfur-containing combustion gases at higher temperatures. It is preferable to weld with a pulsed arc and to preheat larger wall thicknesses to between 150 and 300°C. Ensure low heat input.

CLASSIFICATION

AWS	A 5.9: ER430
EN ISO	14343-A: W 17
W.Nr.	1.4015
F-nr	6
FM	5

SUITABLE FOR

Ferritic 17 % Chrome steel,
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

CE

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	Cu
0.02	0.3	0.4	17	0.5	0.05	0.1

MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	310	460	20	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

I1

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430 TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663412188

430 TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663412195

430 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663412201

430 TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663412218