CEWELD Alloy 230 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Nickel based Tig filler metal for welding similar NiCrW alloys.

APPLICATIONS

In the chemical process industry, CEWELD® Alloy 230 Tig is used for catalyst grid supports in ammonia burners, high-strength thermocouple protection tubes, high-temperature heat exchangers, ducts, high-temperature bellows, and various other key process internals. In the industrial heating industry, applications for 230 alloy include furnace retorts, chains and fixtures, burner flame shrouds, recuperator internals, dampers, nitriding furnace internals, heat-treating baskets, grates, trays, sparger tubes, thermocouple protection tubes, cyclone internals, and many more.

PROPERTIES

CEWELD® Alloy 230 Tig combines properties which make it ideally suited for a wide variety of component applications in the aerospace and power industries. It is used for combustion cans, transition ducts, flame holders, thermocouple sheaths, and other important gas turbine components.

CLASSIFICATION

AWS	A 5.14: ERNiCrWMo-1
EN ISO	18274: S Ni 6231(NiCr22W14Mo2)
W.Nr.	2.4733
F-nr	43
FM	6

SUITABLE FOR

UNS-Nummer: N06230
Haynes Alloy 230,
ASTM: B435, B564, B572, B619, B622, B626, B366, 5981
AMS: 5878, 5839
Haynes 25 alloy

APPROVALS

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	W	Co	Al
0.1	0.4	0.5	22	57	2	14	4	0.3

MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	490	780	48	HRc

REDRYING

Not required

CURRENT TYPE:

DC-

GAS ACC. EN ISO 14175

I1

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ALLOY 230 TIG 1,6 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720682051399

ALLOY 230 TIG 2,0 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663424235

ALLOY 230 TIG 2,4 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420152