



CEWELD Alloy 740H Tig

TYPE Solid Nickel based welding wire for gas tungsten arc welding

APPLICATIONS A Superalloy Specifically Designed For Advanced Ultra Supercritical Power Generation. Potential applications include advanced power production boiler tubes and diesel engine exhaust valves.

PROPERTIES Alloy 740H Tig is a nickel-base, precipitation hardenable superalloy that offers a unique combination of high strength and creep resistance at elevated temperatures along with resistance to coal ash corrosion. The alloy was originally targeted for use as A-USC boiler tubes in the superheater sections of these plants but was then adapted for application as a material for the steam headers to which the boiler tubes are connected.

CLASSIFICATION AWS A 5.14: ~ ER NiCrCo-1
 F-nr 43
 FM 6

SUITABLE FOR Inconel alloy 740H

APPROVALS No Approvals Found

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

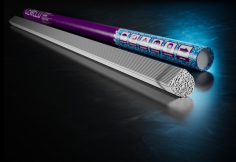
C	Si	Mn	Cr	Ni	Mo	Nb	Fe	Co
0.06	0.8	0.7	24	40	1.5	1.5	2	21

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)
As Welded /	780	1150	28

REDRYING TEMPERATURE Not required

GAS ACCORDING EN 14175 I1



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ALLOY 740H TIG 2,4 X
914MM

Type	KG/unit	EANCode
Tube	4,54	8720663419552