

CEWELD Alloy 263

TYPE Solid nickel based filler metal for gas shielded arc welding.

APPLICATIONS CEWELD® Alloy 263 is developed for aircraft turbine engine and industrial turbine applications. These include low-temperature combustors, transition liners, and some ring components.

PROPERTIES CEWELD® Alloy 263 should be used for applications up to about 1650°F (900°C). Its oxidation resistance is comparable to that for other gamma-prime-strengthened superalloys. CEWELD® Alloy 263 is an age-hardenable nickel-cobalt-chromium-molybdenum alloy designed specifically to combine good age-hardened strength properties with excellent fabrication characteristics in the annealed condition. CEWELD® Alloy 263 exhibits excellent intermediate temperature tensile ductility, and is not normally subject to strain age cracking problems common for gamma prime strengthened alloys.

CLASSIFICATION

SUITABLE FOR Nickel based alloys with similar composition as Nimonic 263

APPROVALS CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

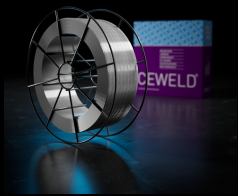
C	Mn	Si	Cr	Ni	Mo	Ti	Co
0.06	0.4	0.2	20	Rem.	6	2.6	20

MECHANICAL PROPERTIES

Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded		900		HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1



CEWELD Alloy 263

ALLOY 263 0,8MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663419798

ALLOY 263 1,2MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663419804