

CEWELD Alloy 188 Tig

TYPE GTAW filler metal for welding Alloy 188

APPLICATIONS Alloy 188 combines properties which make it suitable for a variety of fabricated component applications in the aerospace industry. It is widely used in established military and commercial gas turbine engines for combustion cans, transitions ducts, and afterburner components.

PROPERTIES Alloy 188 Tig filler metal is used for welding of 188 alloy. The alloy has excellent strength with superior oxidation resistance and thermal stability. The alloy has good sulfidation resistance and is used extensively in demanding military and civil aircraft gas turbine engine combustors and other key components.

CLASSIFICATION

SUITABLE FOR Alloy 188

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

Co	Cr	Ni	W	Fe	Mn	Si	C
Rem.	22	22	15	2	0.9	0.35	0.1

MECHANICAL PROPERTIES

Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded		791	39	HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1