

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.																	
PROPRIÉTÉS	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																		
CONVIENT POUR	Alloy 188																	
AGRÉMENTS																		
POSITIONS DE SOUDAGE	 PA  PB  PC  PD  PE  PF  PG																	
ANALYSE CHIMIQUE TIPIQUE DU MÉTAL DE SOUDURE (%)	Co	Cr	Ni	W	Fe	Mn	Si	C										
	Rem.	22	22	15	2	0.9	0.35	0.1										
PROPRIÉTÉS MÉCANIQUES	<table border="1"> <thead> <tr> <th>Heat Treatment</th><th>$R_{P0,2}$ (MPa)</th><th>Rm (MPa)</th><th>A5 (%)</th><th>Hardness</th></tr> </thead> <tbody> <tr> <td>As Welded</td><td></td><td>791</td><td>39</td><td>HRc</td></tr> </tbody> </table>								Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness	As Welded		791	39	HRc
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness														
As Welded		791	39	HRc														
ETUVAGE	Not required																	
GAS ACC. EN ISO 14175	I1																	