



TIG 15/5CU

Classification

AMS : 5826

ISO 14343-A : W Z 15 5 Cu

Description & Applications

Solid rod for GTAW of stainless steels with similar chemical compositions like alloy 15-5PH.

Main applications: Aerospace, marine pump and turbine, Repairing of turbine discs, turbine blades.

Typical Chemical Composition (%)

	C	Si	Mn	Cr	Ni	Mo	Cu	Nb
Min	0.025		0.25	14.40	4.75		3.00	5xC
Max	0.050	0.60	0.75	15.30	5.50	0.30	3.50	0.40
Type	0.04	0.40	0.50	15.0	5.2	0.01	3.2	0.30
	Al	P	S	N	Ta	O	H	
Min								
Max	0.025	0.020	0.010	0.040	0.05	0.01	0.0006	
Type	0.005	0.005	0.003	0.002	0.01	0.005	0.0001	

All Weld Metal Mechanical Properties*

	R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)	KV (J)
Min				
Max				
Type	-	-	-	-

* Depending of the PWHT performed

Welding Current & Instructions

Welding mode	Shielding Gas
TIG = -	ISO 14175 : I1 (Ar) 6-12 l/min Back shielding: I1 (Ar) / N1 (Nitrogen) : 3-6 l/min

FT En-TN62-190213

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