



TIG FICO25

Classification

AMS : 5796

AFNOR : KC20WNx

Description & Applications

Cobalt base solid rod for TIG harfacing of Cobalt Grade 25 and alloy with similar chemical composition like Alloy 25, L-605. Good resistance to metal-metal wear and oxidation resistant up to 1000°C. Good behaviour to important thermal and mechanical shocks. Excellent resistance to cracks, work hardenable, highly resistant to cavitation and erosion. Deposit non-magnetic.

Main applications: Aeronautic industry.

Typical Chemical Composition (%)

	C	Si	Mn	Cr	Ni	Fe	W	P	S	Co
Min	0.05		1.00	19.00	9.00		14.00			
Max	0.15	1.00	2.00	21.00	11.00	3.00	16.00	0.040	0.030	Rem.
Type	0.10	0.80	1.5	20.0	10.0	2.5	15.0	0.010	0.010	Rem.

All Weld Metal Mechanical Properties

Hardness (as welded)
~230 HB

Welding Current & Instructions

Welding mode	Shielding Gas
TIG = -	ISO 14175 : I1 (Ar) 6-12 L/min

FT-En-TC01-170711

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