



TIGFIL ST6

GTAW Cobalt Alloy

AWS A/SFA 5.21 ERCoCr-A

KEY FEATURES:

- Cobalt based solid filler rod
- Co-Cr-W type Stellite 6 grade alloy
- Hypoeutectic microstructure
- Resistance to low stress abrasive wear with toughness properties
- Resistance to metal to metal wear and galling
- Excellent resistance to corrosion, oxidation
- Retains hot hardness at elevated temperature upto 650°C

TYPICAL APPLICATIONS:

- Automotive and fluid flow valves
- Chain saw guides, hot punches, Valve bearing surface, roll bushings, Shear blades and extruder screws
- Applications where wear is accompanied by elevated temperatures and corrosion



CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt %:

C	Mn	Si	Cr	Ni	Mo	Fe	W	Co
0.9-1.4	1.0 max	2.0 max	26.0-32.0	3.0 max	1.0 max	3.0 max	3.0-6.0	Bal

MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	Hardness, HRC
Specification	As Welded	40-46

PARAMETERS - PACKING DATA:

Ø x L, mm	Net Wt, Kg	
2.4 x 1000	20	 DCEN STORAGE / HANDLING : Keep dry during storage and handling
3.15 x 1000	20	
		All Positions 

Shielding Gas	Gas Flow Rate, LPM
Ar	10-15

Available in Standard carton packing of 20 kg box, containing 4 plastic tubes of 5 kg each.