

# GETIG ST21

## IDENTIFICATION

Getig ST-21, ERCoCr-E

## CLASSIFICATION

AWS/SFA 5.21: ERCoCr E

## DESCRIPTION

Cobalt base alloy tig wire providing excellent resistance to metal-to-metal wear, thermal shocks, oxidised corrosive environments at high temperatures.

- Microstructure: Austenitic matrix with dispersed precipitation of small Cr and Mo Carbides.
- Machinability: Good
- Deposit thickness: Depends upon application and procedure used.

## CHEMICAL ANALYSIS (RANGE) %

C	Mn	Si	Cr	Ni	Mo	Fe	W	Co
0.15-0.45	1.5 max	1.5 max	25-30	1.5-4.0	4.5-7.0	3.0 max	0.5 max	Remainder

## TYPICAL APPLICATIONS

- Extrusion dies, hot working tools, turbine injectors, valve seats, ingot tong bits.
- Hardfacing of forging dies.

## WELD METAL PROPERTIES

**Hardness** : 28-40 HRC

**SHIELDING GAS** : Pure argon or argon 98% + oxygen 2%

## PACKING PARAMETERS

Size (mm)	Length (mm)	Packing / Pkt (Kg)	Packing / Box (kg)
3.15 / 3.20	1000	70 - 110	5 x 4 = 20
4	1000	100 - 130	5 x 4 = 20
4.8	1000	130 - 170	5 x 4 = 20
5	1000	130 - 170	5 x 4 = 20