

DIN EN 14700 T Co 1-300-CKTZ  
AWS A5.21 ./.

## COROLIT 25

For a cobalt-based alloy deposit with an austenitic structure, use COROLIT 25. This alloy contains approximately 10,5% nickel for matrix stability during elevated temperature service. It is resistant to hot corrosion, impact, wear and extreme temperature shocks and oxidation. The

alloy is machinable by hardfaced tools. COROLIT 25 is used for gas turbine components, on steam and chemical valves and on equipment handling hot steel, such as tong bits, shear blades, pumps for high temperature liquids. It is suitable for use at temperatures up to 900 °C.



Hot forging tools, aerospace industry, turbo charger buckets, parts subject to high operating temperatures in combination with all types of wear such as impact, pressure, corrosion, erosion.

### TYPICAL ALL WELD METAL ANALYSIS (%)

Base = Co

C	Cr	Mo	Co	Ni	W	Fe
0,12	0,8	1,0	20,0	10,5	15,0	< 3,0

Hardness HB

250-280

COBALT - BASE ALLOYS

### PARAMETER

Diameter	Voltage	Amps
1,2	20-24	150-200
1,6	22-26	180-240
2,0	25-27	220-260
2,4	25-27	260-300
2,8	26-28	280-340

Other Dimensions on demand

### FORMS OF DELIVERY

Unit	Weight
Coil BS 300	15 kg
Coil B 450	25 kg
Drums	300 kg

G = Gas shielded, SA = Submerged Arc