

DIN EN 14700 T Co 1-350-CKTZ
AWS A5.21 ERCCoCr-E

COROLIT 21

COROLIT 21 is a Cobalt-based alloy with high resistance to abrasion, temperature shocks and corrosion. This alloy is suitable for hardfacing

cutting edges of long knives and other tools used in the wood, plastic, paper, carpet and chemical industries.



Resistant to thermal shock, abrasion, erosion, corrosion, cavitation at high temperatures Used typically for bearing surfaces, chemical industry, hot shear blades, valves, cutting blades.

TYPICAL ALL WELD METAL ANALYSIS (%)

Base = Co

C	Si	Mn	Cr	Ni	Mo	Fe
0,25	1,0	1,0	27,0	2,5	5,0	< 3,0

Hardness HB

300-330

45 HRc
work hardening

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