

DIN EN 14700

T Co 3-55-CGTZ

AWS A5.21

ERCCoCr-C

COROLIT 1

Hardest of the standard cobalt-base-alloys, Corolit 1 deposits a cobalt-base-alloy with an austenitic-ledeburitic structure. It has a high resistance to corrosion (especially, to reducing acids and impact), extreme wear and

temperature shocks. The alloy is only machinable by grinding. Best used on wear pads, rotary seal rings, pump sleeves and centerless grinder work rests.



Resistant to thermal shock, abrasion, erosion, corrosion, cavitation at high temperature. Typically used for bearing surfaces, chemical industry, hot shear blades, valves.

TYPICAL ALL WELD METAL ANALYSIS (%)

Base = Co

C	Si	Mn	Cr	W	Fe
2,4	0,7	0,4	29,0	11	< 3,0

Hardness HRc

52-55

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