

DIN EN 14700 T Co 2-40-CTZ
AWS A5.21 ERCCoCr-A

COROLIT 6 LC

Cobalt-base alloys such as COROLIT 6 LC have an austenitic-ledeburitic structure containing chrome and tungsten carbides. These alloys are resistant to high corrosion and abrasion, high impact stress and extreme temperature shocks.

The deposit is machinable by hard metal tools. Best used on steam and chemical valves and on equipment handling hot steel, such as tong bits, hot steel-shear blades, etc.



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

TYPICAL ALL WELD METAL ANALYSIS (%)

Base = Co

C	Si	Mn	Cr	W	Fe
0,8	1,0	0,8	28,0	4,5	< 3,0

Hardness HRc

36-39

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