

DIN EN 14700 T Co 3-50-CTZ
AWS A5.21 ERCCoCr-B

COROLIT 12

For the toughest cobalt base-alloy, providing the highest corrosion and thermal resistance of all cobalt-base alloys, COROLIT 12 is the answer. The weld deposit is machinable and is used on

components that are exposed to high temperatures, corrosion and impact stress, such as valve seats as well as components in the chemical industry. Work hardening up to 45 HRc.



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
1,4	1,0	0,8	29,0	8,0	< 3,0

Hardness HRc

45-48

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