

COROLIT[®] 1

CLASSIFICATION:

DIN EN 14700 DIN 8555
T Co3 MF 20-55-CGTZ

GENERAL CHARACTERISTICS:

COROLIT 1 deposits a cobalt-base alloy with an austenitic structure and a big amount of embedded carbides. This is the hardest of the standard cobalt base alloys. It has a high resistance to corrosion, especially to reducing acids, impact, extreme wear and temperature shocks. The alloy is only machinable by grinding. Best used on wear pads, rotary seal rings, pump sleeve sand centerless grinder work rests. A buffer layer with CORODUR 200 K is recommended.

Recommended gas: Argon, Argon S1

APPLICATION:

Abrasion, erosion, corrosion, cavitation at high temperatures, pumps, extrusion screws, bearing surfaces, chemical industry, hot shear blades, valves.

TYPICAL ALL WELD METAL ANALYSIS (%):

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

TYPICAL ALL WELD METAL MECHANICAL PROPERTIES:

Hardness: 52 - 55 HRc

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

FORMS OF DELIVERY:

Coil "BS 300" = 15 kg | Coil "BS 450" = 25 kg | Drums = 300 kg

G = gas shielded, SA = Submerged Arc