

COROLOY[®] SE 21/35

CLASSIFICATION:

DIN EN 14700 DIN 8555
T Z Ni1 MF 22-35-CGTZ

GENERAL CHARACTERISTICS:

SE 21/35 is a Ni- Si- Cr- Mo- B- alloy. This alloy leaves a nickel base weld deposit. The essential characteristics correspond to the Cobalt-base alloys, especially the hardness, corrosion resistance, pitting (inter granular corrosion), heat resistance, wear resistance and thermal shock constancy. Preheating depends on base material (min. 350°C is necessary) in order to avoid cracks.

APPLICATION:

Fittings, chemical industry, food industry, nuclear technology, extrusion screws

TYPICAL ALL WELD METAL ANALYSIS (%):

C	Si	Cr	Ni	Mo	B	Fe
0,4	4,5	20,0	bal.	2,0	0,7	< 5,0

TYPICAL ALL WELD METAL MECHANICAL PROPERTIES:

Hardness: 34 - 36 HRc

PARAMETER:

Diameter	Voltage	Amps
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,