

COROLOY[®] SE 1/58

CLASSIFICATION:

DIN EN 14700 DIN 8555
T Z Ni1 MF 22-60-CGTZ

GENERAL CHARACTERISTICS:

SE 1/58 is a Ni- Si- Cr- 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. Applications are found in the chemical industry, nuclear technology field, etc. Preheating depends on base material (min. 350°C is necessary) in order to prevent cracking.

APPLICATION:

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

TYPICAL ALL WELD METAL ANALYSIS (%):

C	Si	Cr	Ni	B	Fe
0,75	4,7	20,0	bal.	3,2	<5,0

TYPICAL ALL WELD METAL MECHANICAL PROPERTIES:

Hardness: 55 - 60 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