

COROLOY[®] SE 6/40

CLASSIFICATION:

DIN EN 14700 DIN 8555
T Z Ni1 MF 22-45-CGTZ

GENERAL CHARACTERISTICS:

SE 6/40 is a Ni- Si- Cr- W- 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 | W | B | Fe |
|------|-----|------|------|-----|-----|------|
| 0,35 | 4,5 | 22,0 | bal. | 2,0 | 1,6 | <5,0 |

TYPICAL ALL WELD METAL MECHANICAL PROPERTIES:

Hardness: 41 – 43 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