

CORODUR[®] 4122

CLASSIFICATION:

DIN EN 14700
T Z Fe8
Alloy-No. 1.4122

GENERAL CHARACTERISTICS:

The tough and corrosion resistant overlay is well suited for parts that encounter wear from sea water plant and power plant operation. CORODUR 4122 is also suited for sliding wear metal on metal. This acid corrosion resistant wire has a 17% Cr content which forms the wearing analysis with a Carbon content of 0,4%. The weld parameters should be chosen with a low heat input as possible due to coarse grain formation in 17% Cr- alloys.

APPLICATION:

Bridge bearings, sealing surfaces, corrosion slide ring sealing, roller bearings, valves, continuous casting rolls.

TYPICAL ALL WELD METAL ANALYSIS (%):

| C | Cr | Ni | Mo | V |
|-----|------|-----|-----|---|
| 0,4 | 17,0 | 0,4 | 1,0 | + |

TYPICAL ALL WELD METAL MECHANICAL PROPERTIES:

Hardness: 48 - 50 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

OA = gasless, G = gas shielded, SA = Submerged Arc