



## **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 (%):

С	Cr	Ni	Мо	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
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OA = gasless, G = gas shielded, SA = Submerged Arc

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Corodur Fülldraht GmbH may change the characteristics of the wire without notice. Statements on composition and application are just for the applier's information. Statements on mechanical properties always refer to the all-weld-metal according to valid standards. We recommend the applier to check our products for their special application autonomously.