



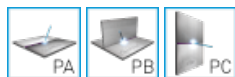
# CEWELD E DUR 1U

|                |                                                                                                                                                                                                                 |                                                                |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| TYPE           | Cobalt-based thermo shock resistant alloy for overlay applications.                                                                                                                                             |                                                                |
| APPLICATIONS   | Steam-valves, high temperature liquid pumps, Hot cutting blades, exhaust valves.                                                                                                                                |                                                                |
| PROPRIÉTÉS     | Outstanding properties against strong abrasion, erosion and corrosion in high temperature (900 °C) environments. This electrode can also perfectly be used for applications which are subject to high friction. |                                                                |
| CLASSIFICATION | AWS<br>EN ISO<br>DIN<br>F-nr                                                                                                                                                                                    | A 5.13: E CoCr-C<br>14700: E Co3<br>8555: E 20-UM-55-CTZ<br>71 |

CONVIENT POUR 53-55 HRc, Stellite 1 alloy with high resistance to abrasion, oxidation and erosion, metal to metal friction and wear, heat resistant, high hardness at high temperatures, completely tempering resistant

## AGRÉMENTS

## POSITIONS DE SOUDAGE



## ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%)

| C   | Si  | Mn  | Fe  | W  | Cr | Co   |
|-----|-----|-----|-----|----|----|------|
| 2.4 | 0.7 | 0.4 | 2.5 | 11 | 30 | Rem. |

## PROPRIÉTÉS MÉCANIQUES

| Heat Treatment | R <sub>P0.2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|----------------|-------------------------|----------------------|--------|----------|
| As Welded      |                         |                      |        | 55 HRc   |

ETUVAGE Not required

GAS ACC. EN ISO 14175