



CEWELD DUR 6 Tig

| TYPE | Cobalt-based thermo shock resistant alloy for overlay applications. | | | | | | | | | | | | | | | |
|---|--|--|--------------------|-------------------------|----------------------|--------------------|----------|-----------|----|-----|---|--------|----|-----|---|------|
| TOEPASSINGEN | Steam-valves, high temperature liquid pumps, hot cutting tools, exhaust valves. | | | | | | | | | | | | | | | |
| EIGENSCHAPPEN | Outstanding alloy against abrasion, thermo-shock and corrosion combined with high temperatures. The weld deposit can be machined with tungsten tool tips and by grinding. The hardness of the weld deposit will decrease 16% at 300°C and about 30% at 600°C. The weld deposit is high heat resistant up to 900°C. DUR 6 offers a low coefficient of friction of 0.12 and exceptional resistance to galling. It has cavitation-erosion resistance ten times that of 304 stainless steel, DUR 6 can be used to protect bearing surfaces in non-lubricating conditions due to its resistance to metal-to-metal wear. | | | | | | | | | | | | | | | |
| CLASSIFICATIE | AWS EN ISO F-nr | A 5.21: ERCoCr-A 14700: S Co2 71 | | | | | | | | | | | | | | |
| GESCHIKT VOOR | Stellite 6 alloy for, Steam-valves, high temperature liquid pumps, hot cutting tools, exhaust valves and seats | | | | | | | | | | | | | | | |
| GOEDKEURINGEN | | | | | | | | | | | | | | | | |
| LASPOSITIES | | | | | | | | | | | | | | | | |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>Cr</th> <th>Fe</th> <th>W</th> <th>Co</th> </tr> </thead> <tbody> <tr> <td>1.1</td> <td>1</td> <td>0.6</td> <td>28</td> <td>2.5</td> <td>5</td> <td>Rem.</td> </tr> </tbody> </table> | | C | Si | Mn | Cr | Fe | W | Co | 1.1 | 1 | 0.6 | 28 | 2.5 | 5 | Rem. |
| C | Si | Mn | Cr | Fe | W | Co | | | | | | | | | | |
| 1.1 | 1 | 0.6 | 28 | 2.5 | 5 | Rem. | | | | | | | | | | |
| MECHANISCHE WAARDEN | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Heat Treatment</th> <th>R_{P0,2} (MPa)</th> <th>R_m (MPa)</th> <th>A₅ (%)</th> <th>Hardness</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td></td> <td></td> <td></td> <td>40 HRc</td> </tr> </tbody> </table> | | Heat Treatment | R _{P0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness | As Welded | | | | 40 HRc | | | | |
| Heat Treatment | R _{P0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness | | | | | | | | | | | | |
| As Welded | | | | 40 HRc | | | | | | | | | | | | |
| HERDROGEN | Not required | | | | | | | | | | | | | | | |
| GAS ACC. EN ISO 14175 | I1 | | | | | | | | | | | | | | | |



CEWELD DUR 6 Tig

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|------------------------|-----------|---------|---------------|
| DUR 6 TIG 2,4 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 5 | 8720663402271 |
| DUR 6 TIG 3,2 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 5 | 8720663402288 |
| DUR 6 TIG 4,0 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 5 | 8720663402295 |
| DUR 6 TIG 5,0 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 5 | 8720663402301 |
| DUR 6 TIG 6,4 X 1000MM | Packaging | KG/unit | EanCode |
| | Tube | 5 | 8720663402318 |