



# CEWELD SS 6356 (40 HRc)

**TYPE** Cobalt alloyed age hardenable hardfacing alloy for Mig and Tig welding.

**TOEPASSINGEN** High alloyed, age-hardenable alloy for high wear resistant clad layers combined with galling and high working temperatures.

**EIGENSCHAPPEN** The weld deposit is, in the as-welded condition machinable, and the subsequent artificial aging optimises the resistance to hot wear and alternating temperatures.

**CLASSIFICATIE** EN ISO 14700: S Fe5

**GESCHIKT VOOR** Age-hardenable alloy for high wear resistant clad layers on cold and hot working tools. Repair, preventive maintenance and production of highly stressed cold and hot working tools, such as punching dies, cold and hot cutting knives, Al-dies cast moulds, cold forging dies, drawing, stamping- and chamfering tools.

**GOEDKEURINGEN**

**LASPOSITIES**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

| C    | Ni | Co | Mo | Mn  | Si  | Fe   |
|------|----|----|----|-----|-----|------|
| 0.03 | 17 | 10 | 4  | 0.3 | 0.8 | Rem. |

**MECHANISCHE WAARDEN**

| Heat Treatment | R <sub>P0.2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|----------------|-------------------------|----------------------|--------|----------|
| As Welded      | 885                     | 990                  |        | 39 HRc   |

**HERDROGEN** Not required

**GAS ACC. EN ISO 14175** I1, M13, M12