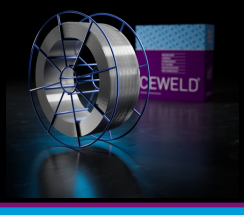



# CEWELD 316H

certilas® THE FILLER METAL SPECIALIST

**TYPE**

Solid stainless steel welding wire with high carbon content

**TOEPASSINGEN**

Used for welding steam piping, superheater headers, furnace parts, some gas and steam engine turbine components, in the petro-chemical industry, in fossil and nuclear fuelled power stations.

**EIGENSCHAPPEN**

CEWELD® 316H is designed for welding 316/316H austenitic stainless steels operating at high temperatures (500-800°C) under long term creep conditions. This filler metal can also be used for welding 321/321H and 347/347H grades in high temperature structural service. This is particularly important in thick highly restrained weldments, since the possibility of premature service failure by intergranular HAZ cracking is reduced by using more ductile weld metal rather than 347H.

**CLASSIFICATIE**

| | |
|---|---|
| AWS | A 5.9: ER316H |
| EN ISO | 14343-A: G 19 12 3 H |
| W.Nr. | 1.4403 |
| F-nr | 6 |
| FM | 5 |

**GESCHIKT VOOR**

**ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21, 22, 24,**
1.4401, 1.4404 , 1.4409 , 1.4429, 1.4432, 1.4435, 1.4436, 1.4571, 1.4580, 1.4583
X5CrNiMo17-12-2, X2CrNiMo17-12-2, GX2CrNiMo19-11-2, X2CrNiMoN17-12-3, X2CrNiMo17-12-3, X2CrNiMo18-14-3, X3CrNiMo17-12-3, X6CrNiMoTi17-12-2, X6CrNiMoNb17-12-2, X10CrNiMoNb18-12
UNS S31600, S31603, S31635, S31640, S31653
AISI 316L, 316Ti, 316Cb, 347, 347H, 321, 321H, CF10M, BS 316S51, 316S52, 316S53, 316C16, 316C71

**GOEDKEURINGEN**

CE

**LASPOSITIES**


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

| C | Si | Mn | Cr | Ni | Mo |
|---|---|---|---|---|---|
| 0.06 | 0.5 | 1.8 | 19 | 13 | 2.5 |

**MECHANISCHE WAARDEN**

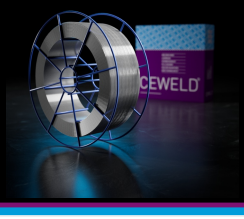
| Heat Treatment | $R_{P0,2}$ (MPa) | Rm (MPa) | A5 (%) | Hardness |
|---|---|---|---|---|
| As Welded | 450 | 650 | 35 | HRc |

**HERDROGEN**

Not required

**GAS ACC. EN ISO 14175**

M11, M13, M12






# CEWELD 316H

316H 1,0MM

| Packaging | KG/unit | EanCode |
|---|---|---|
| BS-300 | 15 | 8720663414878 |

316H 1,2MM

| Packaging | KG/unit | EanCode |
|---|---|---|
| BS-300 | 15 | 8720663414915 |