



CEWELD 316H

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)	R _m (MPa)	A ₅ (%)	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