



# CEWELD 316H

TYPE	Solid stainless steel welding wire with high carbon content. (Type 19 12 3 H, 1.4403)							
APPLICATIONS	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.							
PROPERTIES	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.							
CLASSIFICATION	AWS	A 5.9: ER316H	EN ISO	14343-A: G 19 12 3 H	W.Nr.	1.4403		
	F-nr	6	FM	5				
SUITABLE FOR	<b>ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21, 22, 24,</b> 1.4401, 1.4404, 1.4409, 1.4429, 1.4432, 1.4435, 1.4436, 1.4571, 1.4580, 1.4583, 1.4919 <b>X5CrNiMo17-12-2, X2CrNiMo17-12-2, GX2CrNiMo19-11-2, X2CrNiMoN17-12-3, X2CrNiMo17-12-3,</b> <b>X2CrNiMo18-14-3, X3CrNiMo17-12-3, X6CrNiMoTi17-12-2, X6CrNiMoNb17-12-2, X10CrNiMoNb18-12</b> UNS S31600, S31603, S31635, S31640, S31653 AISI 316L, 316Ti, 316Cb, 347, 347H, 321, 321H, CF10M, BS 316S51, 316S52, 316S53, 316C16, 316C71							
APPROVALS	CE							
WELDING POSITIONS	PA	PB	PC	PD	PE	PF		
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo		
	0.06	0.5	1.8	19	13	2.5		
MECHANICAL PROPERTIES	Heat Treatment	$R_{P0.2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness			
	As Welded	450	650	35	HRc			
REDRYING	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