

Arcaloy 316/316H-16

Arcaloy 316/316H-16 should be used in applications where Type 316 stainless steel needs improved high temperature. In some cases an E16-8-2 filler metal should be used. It can also be used to weld Type 316 stainless steel for ambient temperature service.

Specifications	
Classifications	AWS A5.4 : A5.4: E316/316H-16
Approvals	ABS : AWS A5.4: E316/316H-16 QPL
Industry	Industrial and General Fabrication Petrochemical

Approvals are based on factory location. Please contact ESAB for more information.

Alloy Type	316/316H-16
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Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
As Welded	490 MPa (71 ksi)	660 MPa (96 ksi)	40 %

Typical Weld Metal Analysis %							
C	Mn	Si	Ni	Cr	Mo	Cu	Ferrite FN
0.05	1.60	0.40	12	19	2.30	0.20	5.5