

Arcaloy 308/308H-16

Arcaloy 308/308H-16 electrodes were designed for the welding Types 304H & 304 where temperature in excess of 700°F (371°C) requires additional creep strength. They can equally well be used for the welding of stainless steel Types 301, 302 and 305. In some cases where the creep ductility of 347 weld metal is a concern, Arcaloy 308/308H electrodes can be used. The basic-rutile thin coating of Arcaloy 308/308H-16 gives an excellent combination of welding performance in all positions and a high resistance to cracking. Operates on AC or DC current

Specifications	
Classifications	AWS A5.4 : E308-16/E308H-16
Approvals	ABS : AWS A5.4: E308/308H-16 MIL : MIL-308-16
Industry	Industrial and General Fabrication Power Generation Petrochemical Tank and Vessel Fabrication Food and Beverage

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

Welding Current	AC, DC+-
Alloy Type	308/308H-16

Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
As Welded	410 MPa (59 ksi)	610 MPa (88 ksi)	44 %

Typical Weld Metal Analysis %							
C	Mn	Si	Ni	Cr	Mo	Cu	Ferrite FN
0.04	1.80	0.50	10	20	0.30	0.10	9