

Arcaloy 308L-16

Arcaloy 308L-16 electrodes were developed for the welding of Type 304L stainless steels but can be used for many other stainless steels including Types 301, 302 & 304. They are used extensively for the welding of chemical plant equipment and may be used successfully for the welding of Types 321 and 347 stainless steels provided the service temperature is less than about 700°F (375°C). The basic-rutile thin coating of Arcaloy 308L-16 gives an excellent combination of welding performance in all positions and a high resistance to cracking. Operates on AC or DC current.

Classifications:	AWS A5.4:E308-16/E308L-16
Approvals:	QPL-22200/2 MIL-308L-16, CWB CSA W48 E308L-16
Industry or Segmentation:	Tank and Vessel Fabrication, Ship/Barge Building, Industrial and General Fabrication, Petrochemical

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

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	460 MPa (66 ksi)	520 MPa (90 ksi)	45 %

Typical Weld Metal Analysis %

C	Mn	Si	Ni	Cr	Mo	Cu	Ferrite FN
0.03	1.70	0.50	10	20	0.10	0.10	6