

Arcaloy 309L-16

Arcaloy 309L-16 is used for welding carbon and low alloy steels to stainless steels. This can be done provided the service temperature does not exceed about 700°F (370°C). Post weld heat treatment should only be performed after due consideration.

Classifications:	AWS A5.4:E309L-16/E309-16, ASME II SFA A5.4, ASME IX F No. 5
Approvals:	CWB CSA W48: E309L-16
Industry or Segmentation:	Industrial and General Fabrication

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

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	450 MPa (65 ksi)	590 MPa (85 ksi)	37 %

Typical Weld Metal Analysis %

C	Mn	Si	Ni	Cr	Mo	Cu	Ferrite FN
0.03	1.80	0.45	13.50	23.50	0.30	0.10	9