

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.

Specifications

Classifications	ASME IX : F No. 5 AWS A5.4 : E309L-16/E309-16
Approvals	ABS : E309L-16 CWB : E309L-16

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

Alloy Type	309L-16
-------------------	---------

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	450 MPa (65 ksi)	590 MPa (86 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