

Arcaloy 309/309H-16

Arcaloy 309/309H-16 is used for welding base metal for all service temperatures designed for Type 309. Carbon content 0.04% minimum. It can be used for carbon and low alloy steels and stainless steel dissimilar joints.

Specifications

Classifications	ASME II SFA : E309-16 ASME IX : F No. 5 AWS A5.4 : E309-16/E309H-16
Approvals	ABS : AWS A5.4 E309-16 QPL : MIL-E-22200/2 MIL-309-16
Industry	Industrial and General Fabrication Petrochemical

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

Alloy Type	309/309H-16
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Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	380 MPa (55 ksi)	620 MPa (90 ksi)	40 %

Typical Weld Metal Analysis %

C	Mn	Si	Ni	Cr	Mo	Cu	Ferrite FN
0.06	1.80	0.50	13.50	24	0.10	0.10	7