

ESAB 316KCR

ESAB 316KCR is a specially designed low carbon stainless steel electrode to deposit a ferrite free, fully austenitic weld metal with better corrosion resistance to hydrochloric, nitric and sulphuric acids.

Specifications

Classifications	SFA/AWS A5.4 : E316L-16 (Nearest)
Approvals	PDIL : E316L-16 (mod)

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

Welding Current	AC, DC+
Ferrite Content	Nil
Alloy Type	Austenitic Cr-Ni-Mo
Coating Type	Rutile

Typical Tensile Properties

Condition	Conditional Statement	Yield Strength	Tensile Strength	Elongation
AWS				
As Welded	As welded	450 MPa	570 MPa	38 %

Typical Weld Metal Analysis %

C	Mn	Si	Ni	Cr	Mo
0.04	1.20	0.45	14.20	18.00	2.20

Deposition Data

Diameter	Current
2.5 x 350.0 mm	60-90 A
3.15 x 350.0 mm	80-120 A
4.0 x 350.0 mm	120-170 A