

Exaton 19.12.3.LSi

19.12.3.LSi is used for welding of austenitic stainless alloys of 18% Cr - 8% Ni and 18% Cr - 10% Ni - 3% Mo-types, stabilized or non-stabilized, e.g. ASTM 316, 316L and 316Ti as well as 304, 304L, 321 and 347, for service temperatures up to 400°C (750°F). It is also used for welding of stainless Cr-steels with max 19% Cr. It is used for MIG/MAG welding.

Klassificering tråd och elektroder	SFA/AWS A5.9 : ER316LSi EN ISO 14343-A : G 19 12 3 L Si Werkstoffnummer : 1.4430
Godkännanden	CE EN 13479 DB 43.118.07 VdTÜV 02367

Godkännanden baseras på fabriken lokaliserad. Vänligen kontakta ESAB för mer information.

Legeringstyp	Austenitic (with appr. 8 % ferrite) 19 % Cr - 12 % Ni - 3 % Mo - Low C - High Si
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Typiska mekaniska värden

Villkor	Sträckgräns	Brottgräns	Förlängning
Helsvetsgods	340 MPa	400 MPa	-
Helsvetsgods	400 MPa	560 MPa	37 %

Typical Weld Metal Analysis %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu
0.02	1.8	0.8	0.015	0.015	12	18.5	2.7	0.1

Trådens sammansättning %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
<0.025	1.7	0.8	<0.015	<0.02	11.7	18.4	2.6	0.13	0.05

Trådens sammansättning %

Nb	Ti	Co	FN WRC-92
0.02	0.01	0.06	9

Svetsparametrar

Tråddiameter	Current	Voltage	Wire Feed Speed
0.8 mm	40-120 A	15-19 V	4.0-8.0 m/min
1.0 mm	60-220 A	15-28 V	4.0-12.0 m/min
1.2 mm	150-260 A	24-29 V	3.0-10.0 m/min
1.6 mm	230-350 A	25-30 V	3.0-5.0 m/min