

DIM L-1.4316[©]

Material no.:	1.4316
DIN 8556:	SG X 2 CrNi 19 9
EN 12072:	G 19 9 L/W 19 9 L
EN 14343-A:	G/W 19 12 3 Nb
ASW/ASME SFA- A5.9:	ER 308 L Si
B.S.2901 part 2:	308 S93

Characteristics

DIM L-1.4316 is a stainless Cr-Ni welding wire for joining and surfacing in chemical apparatus and equipment construction for operating temperatures from -196°C to 400°C. Also suitable for connection welding of any stainless steel sheet (including various alloys) without the special requirements of the apparatus construction.

Basic material no.: 1.4301 / 03/06/07/08/10/11/12/19 / 1.4541 / 46/50/52
AISI 304 / 304L / 302/321/347
ASTM A 1576 Gr. C 9; A 320 Gr. B 8 C or D

Chemical composition

C	Si	Mn	Cr	Ni	Fe
0,02	0,4	1,5	20	10	Remainder

Certificate of batch upon request.

Mechanical properties of pure weld metal at room temperature

Yield strength Rp0.2 MPa	Tensile strength Rm MPa	Elongation A (L0=5d0) %	Impact energy KV J
400	600	35	100

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Processing instructions

Protection gases according to ISO 14175

I1: welding argon 100 %

M12: Argon 97,5 % / CO₂ 2,5 %

Approvals and suitability tests

TÜV, DB, UDT