



Nevatia Steel & Alloys Pvt. Ltd.
Office : 904,Lodha Supremus,9th floor
Worli, Mumbai ,India - 400018.
Web:<http://www.nevatiasteel.com>



TD-Stainless Welding wire
Revision No.: 02
Date of Issue : 01.11.2019

IATF 16949 , ISO 9001, ISO 14000 and ISO 45001 Certified Company

Stainless steel welding wire -Technical data

Product Name : nevinox®SAW316L

Product Specifications : ER 316L

Grade	Equivalent Standards		
	AWS A5.9/5.9M	EN ISO 14343 A	EN ISO 14343 B
ER 316L	ER 316L	19 12 3 L	316L

Characteristics : ER316L is austenitic Stainless steel low carbon welding wire of 18 Cr%, 12 Ni% and 2 Mo%. The weld metal contains ferrite and resistance to crack is extremely good. Low carbon assists austenitic arc stability and improves corrosion resistance such as intergranular type.

Application : Developed for welding type 316 and 316L stainless steels. For joining the more common austenitic stainless steel grades referred to as "18-8" steels, Very good corrosion resistance in acid environments

Chemical Composition % (Solid wire)

C	Mn	P	S	Si	Cr	Ni	Mo	Cu
0.03	1.30 - 2.10	0.030	0.020	0.30 - 0.65	18.00 - 20.00	11.00 - 13.00	2.50-3.00	0.30

Remarks: Single values shown in the table are maximum values. Two values shown indicate minimum and maximum limits for a range.

Typical All weld Mechanical properties

Data is not presented, as submerged -arc is dependent on the type of flux used



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Dimension & Packing Data

Size(mm)	Size(inch)	Packing
1.600 to 5.000	0.062 to 0.196"	K415 Basket spool - 25 Kg wire

Diameter tolerance and ovality

- As per AWS A5.9 and ISO 544

Inspection & certification

- As per EN 10204 type 3.1

Approvals :



For more details please contact : sales@nevatiasteel.com.