



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®TIG310

Product Specifications : ER 310

Grade	Equivalent Standards		
	AWS A5.9/5.9M	EN ISO 14343 A	EN ISO 14343 B
ER 310	ER 310	25 20	310

Characteristics : ER310 is fully austenitic Stainless steel welding wire, the weld metal contains ferrite nil and it has excellent resistance to heat.

Application : ER 310 welding wire of 25%Cr-20%Ni steel for joining similar heat restating type steel and particularly suitable for welding carbon steel to 18/8 stainless steel and fully austenite stainless steel for services temperature up to 1100°C and also use for cladding application

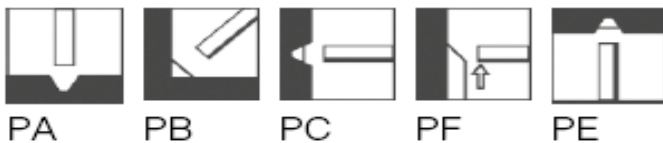
Chemical Composition % (Solid wire)

C	Mn	P	S	Si	Cr	Ni	Mo	Cu
0.08 - 0.15	1.30 - 2.10	0.030	0.020	0.30 - 0.65	25.00 - 27.00	20.00 - 22.00	0.30	0.30

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

Current Conditions:- DC (-)

Welding position: -





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Dimension & Packing Data

Size(mm)	Size(inch)	Length (mm)	Length (inch)	Tube packing 5 kg/10lb	Box packing 20/25 kg / 50 lb
0.90	0.035	1000	36"	√	√
1.00	0.040	1000	36"	√	√
1.20	0.045	1000	36"	√	√
1.60	1/ 16"	1000	36"	√	√
2.00	5/ 64"	1000	36"	√	√
2.40/2.50	3/ 32"	1000	36"	√	√
3.15/3.20	1/ 8"	1000	36"	√	√
4.00	5/ 32"	1000	36"	√	√
5.00	3/ 16"	1000	36"	√	√

Diameter tolerance and ovality

- As per AWS A5.9 and ISO 544

Inspection & certification

- As per EN 10204 type 3.1

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