



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®TIG430

Product Specifications : ER 430

Grade	Equivalent Standards		
	AWS A5.9/5.9M	EN ISO 14343 A	EN ISO 14343 B
ER 430	ER 430	17	430

Characteristics : ER430 is 17%Cr stainless steel welding wire for TIG and SA welding of AISI 430 type steels. The wire is designed for weld beads that are shiny, finely rippled and uniform with Argon+O₂ or CO₂ Gas Mixtures as shielding gas.

Application : ER 430 for welding of there equivalent 13 Cr% and 17 Cr % base, materials, surfacing machine parts and to provide adequate corrosion resistance while retaining sufficient ductility in heat-treated conditions..

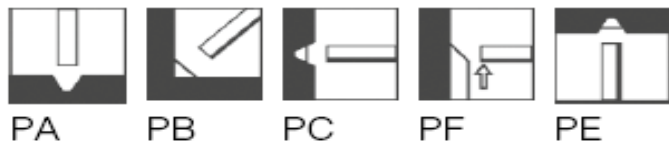
Chemical Composition % (Solid wire)

C	Mn	P	S	Si	Cr	Ni	Mo	Cu
0.10	0.60	0.030	0.020	0.50	16.00 - 17.00	0.50	0.50	0.50

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.