



Nevatia Steel & Alloys Pvt. Ltd.  
Office : 904,Lodha Supremus,9<sup>th</sup> 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<sup>®</sup>MIG307Si

**Product Specifications :** 307Si

Grade	Equivalent Standards		
	AWS A5.9/5.9M	EN ISO 14343 A	EN ISO 14343 B
307Si	-	18 8 Mn	-

**Characteristics:** 307Si is an austenitic stainless steel with added manganese and silicon mainly used for joining and surfacing applications involving work-hard enable steels.

**Application:** MIG 307Si is a solid wire electrode for GMAW, intended for welding work-hardenable steels, armor steel and austenitic stainless manganese steels. Also suitable for joining stainless chromium steels with chromium content up to 18% and overlay welding of mild steels and low-alloy steels.

### Chemical Composition % (Solid wire)

C	Mn	P	S	Si	Cr	Ni	Mo	Cu
0.04 - 0.14	5.50 - 7.50	0.030	0.020	0.65 - 1.00	18.00 - 20.00	8.00 - 9.80	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.

### Typical All weld Mechanical properties

Product	Grade	Shielding Gas	N/mm <sup>2</sup>		% EL (GL=50mm)	Impact Value (Joules)			
			YS (0.2% PT)	TS		-20°C	-60°C	-101°C	-196°C
MIG	307Si	M13	470	657	35	-	71	-	-

**Current Conditions:-** DC (+)

**Welding position:-**





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## Dimension & Packing Data

Size(mm)	Size(inch)	SD100 Spool packing 1kg/2lb	SD200Spool packing 5kg/10lb	SD300/BS300 Spool packing 12.5kg,15kg /25lb, 33lb	Drum packing 100kg,250kg/ 200lb, -550 lb
0.600	0.024	√	√	-	-
0.800	0.030	√	√	√	√
0.900	0.035	√	√	√	√
1.000	0.040	√	√	√	√
1.200	0.045	√	√	√	√
1.600	0.063	-	√	√	√

## Diameter tolerance and ovality

- As per ISO 544

## Inspection & certification

- As per EN 10204 type 3.1

## Approvals :



For more details please contact : [sales@nevatiasteel.com](mailto:sales@nevatiasteel.com).