

Product Data Sheet

STAVINOX TIG 308L

SS TIG WELDING WIRE
Stainless and Heat resistant steels

Classification :

AWS A 5.9 : ER 308 L

EN 12072 : W 19 9 L

Description: STAVINOX TIG 308L is a 20 Cr / 10 Ni stainless steel TIG welding wire similar in composition to ER 308L, suitable for welding of austenitic stainless steels such as 18 Cr/ 8 Ni type, AISI 304, 304L, 308 and 308L type of steels. Excellent corrosion resistance and good mechanical properties. Ferrite is controlled between 3% to 8 %. Extra low carbon increases inter-granular corrosion resistance. Excellent crack resistance.

Materials to be welded

Steel Grades	EN 10088-1/-2	EN 102 13-4	W.Nr.	ASTM /ACI A240/A312/A351	UNS
Extra low carbon (C <0.03%)	X2CrNi19 11		1.4306	(TP)304 L CF-3	S30403 J92500
	X2CrNi18 10		1.4311	(TP)304LN 302, 304	S30453 S30400
Medium carbon (C >0.03%)	X4CrNi18 10	GX5CrNi19 10	1.4301	(TP)304	S30409
			1.4308	CF-8	J92600
Ti-, Nb stabilized	X6CrNiTi18 10		1.4541	(TP)321 (TP)321H	S32100 S32109
			X6 CrNiNb 18 10	GX5 CrNiNb 19 10	1.4550
	1.4552	CF-8C			

Typical Chemical Composition (%)

C	Mn	Si	Cr	Ni	Mo	Cu	S	P
0.03 max	1.50-2.20	0.30-0.65	19.50-22.00	9.00-11.00	0.75 max.	0.25 max.	0.03 max.	0.03 max.

Typical All Weld Mechanical Properties

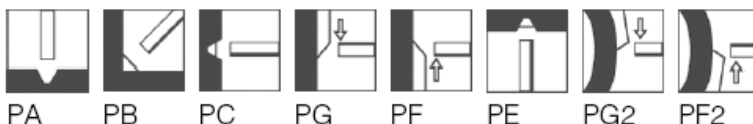
Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO-V(J) 20° C
≥ 350	≥ 550	≥ 35	≥ 47

Corrosion Resistance :- Corresponding to ER308L, i.e. fairly good under severe conditions such as oxidising and cold dilute reducing acids.

Current Conditions: - DC (-)

Storage: - Keep dry and avoid condensation.

Welding Position:-



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Packing Data

Size(mm) DxL	0.80 x 1000	0.90 x 1000	1.00 X1000	1.20 X 1000	1.60 x 1000	2.00 x 1000	2.40 x 1000	3.20 x 1000	4.00 x 1000
Net wt. per tube(kg)	5	5	5	5	5	5	5	5	5
Net wt. per Box(kg)	20	20	20	20	20	20	20	20	20

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