LNT 304LSi

CLASSIFICATION

AWS A5.9	ER308LSi	**A-Nr**	8	**Mat-Nr**	1.4316
ISO 14343-A	W 19 9 L Si	**F-Nr**	6		
		9606 FM	5		

GENERAL DESCRIPTION

Solid rod with extra low carbon for welding austenitic CrNi-steels
With increased silicon for improved wettability

SHIELDING GASES (ACC. ISO 14175)

I1	Inert gas Ar (100%)

APPROVALS

DNV	TÜV	CE	DB
+	+	+	+

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

C	Mn	Si	Cr	Ni	Mo
0.02	2.0	0.8	20	10	0.1

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	0.2% proof strength (N/mm²)	Tensile strength (N/mm²)	Elongation (%)	Impact ISO-V(J) +20°C	Impact ISO-V(J) -196°C
Typical values	I1	AW	467	622	37	147	67

EXAMPLES OF MATERIALS TO BE WELDED

Steel grades	EN 10088-1/-2	EN 10213-4	Mat. Nr	ASTM/ACI A240/A312/A351	UNS
Extra low carbon (C < 0.03%)					
	X2CrNi19-11		1.4306	(TP)304 L	S30403
				CF-3	J92500
	X2CrNiN18-10		1.4311	(TP)304LN	S30453
				302, 304	S30400
Medium carbon (C > 0.03%)					
	X4CrNi18-10		1.4301	(TP)304	S30409
		G-X5CrNi19-10	1.4308	CF-8	J92600
Ti-,Nb stabilized					
	X6CrNiTi18-10		1.4541	(TP)321	S32100
				(TP)321H	S32109
	X6 CrNiNb18-10		1.4550	(TP)347	S34700
		G-X5CrNiNb19-10	1.4552	CF-8C	J92710

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	1.0	1.2	1.6	2.0	2.4	3.2
5 kg PE-Tube	X	X	X	X	X	X

Note : Cut length = 1000 mm

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