

LNT 316LSi

CLASSIFICATION

AWS A5.9	ER316LSi	A-Nr	8	Mat-Nr	1.4430
ISO 14343-A	W 19 12 3 LSi	F-Nr	6		
		9606 FM	5		

GENERAL DESCRIPTION

Solid rod with extra low carbon for welding stainless CrNiMo-steels
See also LNT 316L, high silicon for improved wettability

SHIELDING GASES (ACC. ISO 14175)

It Inert gas Ar (100%)

APPROVALS

DNV	TÜV	DB	CE	ABS
+	+	+	+	+

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

C	Mn	Si	Cr	Ni	Mo
0.03	1.9	0.8	18.5	12.0	2.7

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	0.2% proof strength [N/mm ²]	Tensile strength [N/mm ²]	Elongation [%]	Impact ISO-V(J)	
						+20°C	-196°C
Typical values	It	AW	484	624	32	100	82

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%]					
	X2CrNiMo1712-2		1.4404	(TP)316L CF-3M	S31603 J92800
	X2CrNiMo18-14-3		1.4435	(TP)316L	S31603
	X2CrNiMoN17-11-2		1.4406	(TP)316LN	S31653
	X2CrNiMoN17-13-3		1.4429		
Medium carbon [C > 0.03%]					
	X4CrNiMo17-12-2		1.4401	(TP)316	S31600
	X4CrNiMo17-13-3		1.4436		
		G-X5CrNiMo19-11	1.4408	CF 8M	J92900
Ti-,Nb stabilized					
	X6CrNiMoTi17-12-2		1.4571	316 Ti	S31635
	X6CrNiMoNb17-12-2		1.4580	316 Cb	S31640
	X6CrNiNb18-10		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	Note : Cut length = 1000 mm
5 kg PE-Tube	X	X	X	X	X	X	

LNT 316LSi: rev. C-EN24-01/02/16

All information in this data sheet is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.eu for any updated information. Fumes: Safety Data Sheets (SDS) are available on our website.