

## Alambre fino

Fine wire

### Producto disponible / Product availability

Novametal	AISI	EN 10088	W.Nr.
NM 302	302	X10CrNi 18-8	1.4310
NM 302M	302 Mo	X10CrNi 18-8 (Mo)	1.4310 Mo
NM 304G	304	X5CrNi 18-10	1.4301
NM 304L	304 L	X2CrNi 18-9	1.4307
NM 304V	304 L	X2CrNi 19-11	1.4306
NM 304	304 H	X5CrNi 18-10	1.4301
NM 305	305	X4CrNi 18-12	1.4303
NM 309G	309S	X12CrNi 23-13 (EN10095)	1.4833
NM 310G	310	X8CrNi 25-21 (EN10095)	1.4845
NM 314	314	X15CrNiSi 25-21 (EN10095)	1.4841
NM 316G	316	X5CrNiMo 17-12-2	1.4401
NM 316V	316 L	X2CrNiMo 17-11-2	1.4404
NM 316Ti	316 Ti	X6CrNiMoTi 17-12-2	1.4571
NM 321	321	X6CrNiTi 18-10	1.4541
NM 430L	430	X6Cr17	1.4016
NM 434	434	X6CrMo 17-1	1.4113

### Acabados superficiales / Surface finishes

**Brillante con aceite**  
Bright with oil

**Brillante con lavado químico**  
Bright with chemical washing

### Condiciones de suministro / Supply condition

#### Tabla de Tensión de Alambre

Table of Tension for wire

Tensión Tension	Rango de Tensión Ksi's Tension Range Ksi's
<b>Recocido / Annealed</b>	80 @ 110 Ksi's
1/4 H	110 @ 140 Ksi's
1/2 H	140 @ 170 Ksi's
3/4 H	170 @ 200 Ksi's
FH	200 @ 300 Ksi's



## Propiedades mecánicas / mechanical properties

Requerido por el cliente  
As required by customer

## Diámetros / diameters

Estándar  
de 0.16 mm a 1.00 mm  
Standard  
from 0.16 mm to 1.00 mm

Diámetros mayores o menores  
disponibles sobre pedido  
Larger/smaller diameters  
available on request

## Empaque para alambre fino / Packing for fine wire

### Carrete plástico / Plastic spool

Spool Size	DIN 160	DIN 200	DIN 250	DIN 355	PT 90
0 mm	0.16 to 0.50	0.20 to 0.60	0.20 to 0.80	0.20 to 0.80	0.28 to 0.80
0 inches	0.006 to 0.020	0.008 to 0.024	0.008 to 0.031	0.008 to 0.031	0.008 to 0.031
Weight (kg)	6	13	20	40	90
Weight (lb)	13	29	44	88	198

## Composición química para alambres finos Grades and chemical composition for fine wire

Novametal	AISI	EN 10088	W.Nr.	C	Si	Mn	P	S	Cr	Ni	Mo	others
NM 302	302	X10CrNi 18-8	1.4310	0.05 to 0.15	2.00 max	2.00 max	0.045 max	0.015 max	16.00 to 19.00	6.00 to 9.50		
NM 302 Mo	302Mo	X10CrNi 18-8 (Mo)	1.4310 Mo	0.08 to 0.12	1.30 max	1.50 max	0.30 max	0.015 max	16.50 to 17.80	8.00 a 9.00	0.60 to 0.80	
NM 304G	304	X5CrNi 18-10	1.4301	0.07 max	1.00 max	2.00 max	0.045 max	0.030 max	7.50 to 19.50	8.00 to 10.50		
NM 304L	304L	X2CrNi 18-9	1.4307	0.03 max	1.00 max	2.00 max	0.045 max	0.030 max	18.00 to 20.00	8.00 to 10.00		
NM 304V	304L	X2CrNi 19-11	1.4306	0.03 max	1.00 max	2.00 max	0.045 max	0.030 max	18.00 to 20.00	10.00 to 12.00		
NM 304	304H	X5CrNi 18-10	1.4301	0.04 to 0.10	1.00 max	2.00 max	0.045 max	0.030 max	18.00 to 20.00	8.00 to 11.00		
NM 305	305	X4CrNi 18-12	1.4303	0.03 max	0.70 max	1.00 to 2.00	0.040 max	0.010 max	17.00 to 19.00	11.00 to 13.00	0.40 max	
NM 309G	309S	X12CrNi 23-13 (EN10095)	1.4833	0.08 max	1.00 max	2.00 max	0.045 max	0.015 max	22.00 to 24.00	12.00 to 15.00		
NM 310G	310	X8CrNi 25-21 (EN10095)	1.4845	0.10 max	1.50 max	2.00 max	0.045 max	0.015 max	24.00 to 26.00	19.00 to 22.00		
NM 314	314	X15CrNiSi 25-21(EN10095)	1.4841	0.20 max	1.50 to 2.50	2.00 max	0.045 max	0.030 max	24.00 to 26.00	19.00 to 22.00		
NM 316G	316	X5CrNiMo 17-12-2	1.4401	0.07 max	1.00 max	2.00 max	0.045 max	0.030 max	16.50 to 18.50	10.00 to 13.00	2.00 to 2.50	
NM 316V	316L	X2CrNiMo 17-11-2	1.4404	0.03 max	1.00 max	2.00 max	0.045 max	0.030 max	16.50 to 18.50	10.00 to 12.00	2.00 to 2.50	
NM 316Ti	316Ti	X6CrNiMoTi 17-12-2	1.4571	0.08 max	1.00 max	2.00 max	0.045 max	0.030 max	16.50 to 18.50	10.50 to 13.50	2.00 to 2.50	Ti =5xC/0.70
NM 321	321	X6CrNiTi 18-10	1.4541	0.08 max	1.00 max	2.00 max	0.045 max	0.030 max	17.00 to 19.00	9.00 to 12.00		Ti =5xC/0.70
NM 430L	430	X6Cr 17	1.4016	0.08 max	1.00 max	1.00 max	0.040 max	0.030 max	16.00 to 18.00			
NM 434	434	X6CrMo 17-1	1.4113	0.08 max	1.00 max	1.00 max	0.040 max	0.030 max	16.00 to 18.00		0.90 to 1.40	

Este producto es ideal para las siguientes industrias / This product is ideal for the following industries



Automotriz  
Automotive



Aeroespacial  
Aerospace



Médica  
Medical



Petrolera  
Oil & Gas



Química  
Chemical



Textil  
Textile