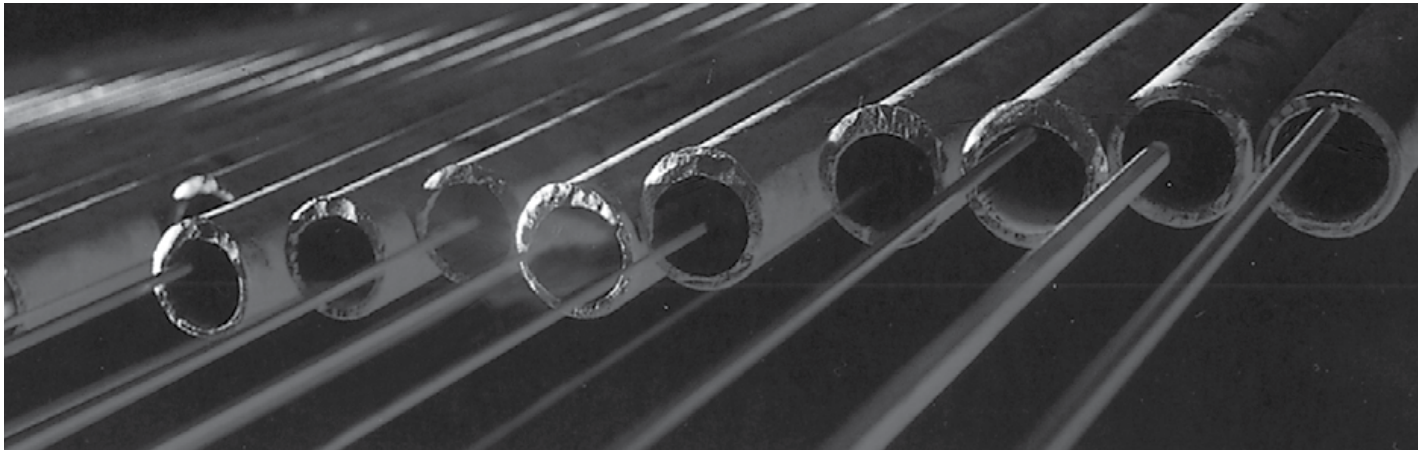


Alambres para usos mecánicos y formas

Mechanical and forming 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

Mate con jabón
Matte with soap

Brillante con aceite
Bright with oil

Mate con lavado químico
Matte with chemical washing

Brillante con lavado químico
Bright with chemical washing

Revestido
Coated

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
Recocido / Annealed	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

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



Alimenticia
Food



Automotriz
Automotive



Aeroespacial
Aerospace



Construcción
Construction



Médica
Medical



Petrolera
Oil & Gas



Energética
Energy



Química
Chemical

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 a 1.00 mm

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

Tipos de empaque / Packing types

Rollo / coil



Ø mm	1.00 to 1.60	1.60 to 5.20	> 5.20
Weight (kg)	25 to 80	100 to 200	150 to 300
Ø int.mm	300 to 500	500 to 700	700 to 800

Atril metálico / Spider



Ø mm	1.60 to 6.20	> 5.20
Weight (kg)	700 to 1000	700 to 1000
Ø int.mm	420 - 480- 530	730

Tambo de cartón / Drum



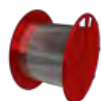
Ø mm	0.70 to 1.20	1.20 to 1.70
Weight (kg)	100 to 150	100 to 200

Rollo con centro de cartón / cardboard coil (z2)



Ø mm	1.80 to 5.20	> 5.20
Weight (kg)	600 to 1300	600 to 1300
Ø int. mm	380 - 500 - 550	500 - 550

Carrete metálico 760 / Steel reel k760



Ø mm	0.70 to 2.50
Weight (kg)	100 to 300

Composición química para uso alambres para usos mecánicos y formas Chemical composition for mechanical and forming 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	