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NOVAMETAL GROUP
WIRE AND MORE...

STAINLESS STEEL MECHANICAL AND FINE WIRE

Filo per applicazioni meccaniche e filo sottile in acciaio inox
Fils pour applications mécaniques & fils fins en acier inoxydable
Draht für mechanische anwendungen & feindrähte Edelstahl

Product availability / Disponibilità prodotto
Produit disponible / Verfügbare werkstoffe

Novametal	AISI	EN 10088	W.Nr.
NM 302	302	X10CrNi 18-8	1.4310
NM 302 Mo	302 Mo	X10CrNi 18-8 (Mo)	1.4310 Mo
NM 304 G	304	X5CrNi 18-10	1.4301
NM 304 L	304 L	X2CrNi 18-9	1.4307
NM 304 V	304 L	X2CrNi 19-11	1.4306
NM 304 H	304 H	X5CrNi 18-10	1.4301
NM 305	305	X4CrNi 18-12	1.4303
NM 309 G	309 S	X12CrNi 23-13	1.4833
NM 310 G	310	X8CrNi 25-21 (EN10095)	1.4845
NM 314	314	X5CrNiSi 25-21 (EN10095)	1.4841
NM 316 G	316	X5CrNiMo 17-12-2	1.4401
NM 316 V	316 L	X2CrNiMo 17-12-2	1.4404
NM 316 Ti	316 Ti	X6CrNiMoTi 17-12-2	1.4571
NM 321	321	X6CrNiTi 18-10	1.4541
NM 430 L	430	X6Cr 17	1.4016
NM 434	434	X6CrMo 17-1	1.4113
NM 1.4362	-	X2CrNiN 23-4	1.4362
NM 1.4462 G	2205	X2CrNiMoN 22-5-3	1.4462
NM 1.4828	309 Si	X15CrNiSi 20-12 (EN 10095)	1.4828
NM 303	303	X8CrNiS 18-9	1.4305
NM 303 K	303	X6CrNiCuS 18-9-2	1.4570
NM 316 LK	316 L	X2CrNiMoCuS 17-10-2	1.4598
NM 316 LM	-	X3CrNiMo 17-13-3	1.4436
NM 316 LM 1	-	X2CrNiMo 18-15-3	1.4441
NM 333 N	XM 29	-	-
NM 410 L	410	X12Cr 13	1.4006
NM 416	416	X12CrS 13	1.4005
NM 420 A	420	X20Cr 13	1.4021

Novametal	AISI	EN 10088	W.Nr.
NM 420 B	420	X30Cr 13	1.4028
NM 420 C	420	X39Cr 13	1.4031
NM 420 F	420 F	X29CrS 13	1.4029
NM 420 CF	420 CF	X46CrS 133	1.4035
NM 430 F	430 F	X14CrMoS 17	1.4104
NM 446	446	-	1.4763
NM 631	631	X7CrNiAl 17-7	1.4568
NM 904/L	904 L	X1NiCrMoCu 25-20-5	1.4539
NM 204 Cu	UNS S20430	X8CrMnCuNB 17-8-3	1.4597

Surface finishes / Stato superficiale / Aspect de surface / Oberfläche

White annealed	Ricotto bianco	Recuit blanc	Weissgeglüht
Bright	Lucido	Poli decò	Hellblank
Stearate coated	Stearato	Stéreaté	Stearat
Novacoating system	Novacoating system	Novacoating system	Novacoating system

Supply condition / Stato di fornitura
Etat de livraison / Lieferzustand

Annealed	Ricotto	Recuit	Geglüht
Annealed skinpassed	Ricotto skinpassato	Recuit skinpassé	Geglüht kaltnachgezogen
Light drawn	Semicrudo	Semi-ecroui	Halbhartgezogen
Hard drawn	Crudo	Ècroui	Hartgezogen

Diameters / Diametri / Diametres / Durchmesser

Standard from 0,16 mm to 10,00 mm.
Larger or smaller diameters available on request.

Standard de 0,16 mm à 10,00 mm.
Diamètres supériurs o inferieurs sont livrès sur demande.

Standard da 0,16 mm a 10,00 mm.
Diametri maggiori o minori fornibili su richiesta.

Standard von 0,16 mm nach 10,00 mm.
Grössere o kleinere Abmessungen auf Anfrage.

Mechanical properties / Caratteristiche meccaniche
Caracteristiques mecaniques / Mecanische Eigenschaften

As required | Secondo richiesta | Selon spècification. | Nach Kundenwunsch

Tolerances / Tolleranze / Tolèrances / Toleranzen

As required | Secondo richiesta | Selon spècification | Nach Kundenwunsch

Mechanical and fine wire grades and chemical composition / Marche e composizione chimica
Nuances et composition chimiques / Werkstoffe und chemische zusammensetzung

Novametal	C	Si	Mn	P	S	Cr	Ni	Mo	Others
NM 302	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	0.80 max	N 0.10 max
NM 302 Mo	0.08 to 0.12	1.30 max	1.50max	0.030 max	0.015 max	16.50 to 17.80	8.00 to 9.00	0.60 to 0.80	N 0.10 max
NM 304 G	0.07 max	1.00 max	2.00 max	0.045 max	0.030 max	17.50 to 19.50	8.00 to 19.50	-	N 0.11 max
NM 304 L	0.03 max	1.00 max	2.00 max	0.045 max	0.030 max	18.00 to 20.00	8.00 to 10.50	-	N 0.11 max
NM 304 V	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	-	N 0.11 max
NM 304 H	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 10.50	-	
NM 305	0.06 max	1.00 max	2.00 max	0.045 max	0.030 max	17.00 to 19.00	11.00 to 13.00	-	N 0.11 max
NM 309 G	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 310 G	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	-	N 0.11 max
NM 314	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	-	N 0.11 max
NM 316 G	0.07 max	1.00 max	2.00 max	0.045 max	0.030 max	16.50 to 18.00	10.00 to 13.00	2.00 to 2.50	N 0.11 max
NM 316 V	0.03 max	1.00 max	2.00 max	0.045 max	0.030 max	16.50 to 18.00	10.50 to 13.00	2.00 to 2.50	N 0.11 max
NM 316 Ti	0.08 max	1.00 max	2.00 max	0.045 max	0.030 max	16.50 to 18.00	10.00 to 13.50	2.00 to 2.50	Ti=5x(C+N) to 0.70
NM 321	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=5x(C+N) to 0.70
NM 430 L	0.08 max	1.00 max	1.00 max	0.040 max	0.030 max	16.00 to 18.00	-	-	-
NM 434	0.08 max	1.00 max	1.00 max	0.040 max	0.030 max	16.00 to 18.00	-	0.90 to 1.25	-
NM 1.4362	0.03 max	1.00 max	2.00 max	0.035 max	0.015 max	22.00 to 24.00	3.50 to 5.50	0.10 to 0.60	Cu: 0.10 to 0.60 N: 0.05 to 0.20
MN 1.4462 G	0.03 max	1.00 max	2.00 max	0.030 max	0.015 max	22.00 to 23.00	4.50 to 6.50	3.00 to 3.50	N 0.14 to 0.20
NM 1.4828	0.20 max	1.50 to 2.50	2.00 max	0.045 max	0.015 max	19.00 to 21.00	11.00 to 13.00	-	N: 0.11 max
NM 303	0.10 max	1.00 max	2.00 max	0.045 max	0.150 to 0.350	17.00 to 19.00	8.00 to 10.00	-	N: 0.11 max
NM 303 K	0.08 max	1.00 max	2.00 max	0.045 max	0.150 to 0.350	17.00 to 19.00	8.oo to 10.00	0.60 max	Cu: 1.40 to 1.80 N: 0.11 max
NM 316 LK	0.03 max	1.00 max	2.00 max	0.045 max	0.100 to 0.200	16.50 to 18.00	10.00 to 13.00	2.00 to 2.50	Cu: 1.30 to 1.80 N: 0.11 max
NM 316 LM	0.05 max	1.00 max	2.00 max	0.045 max	0.030 max	16.50 to 18.50	10.50 to 13.00	2.50 to 3.00	N: 0.11 max
NM 316 LM 1	0.03 max	1.00 max	2.00 max	0.025 max	0.010 max	17.00 to 19.00	13.00 to 15.50	2.50 to 3.20	Cu: 050 max N: 0.10 max
NM 333 N	0.08 max	1.00 max	11.50 to 14.50	0.060 max	0.030 max	17.00 to 19.00	2.30 to 3.70	-	N: 0.20 to 0.40
NM 410 L	0.08 to 0.015	1.00 max	1.00 max	0.040 max	0.03 max	15.50 to 13.50	-	-	-
NM 416	0.06 to 0.15	1.00 max	1.25 max	0.040 max	0.150 max	12.00 to 14.00	-	0.60 max	-
NM 420 A	0.16 to 0.25	1.00 max	1.00 max	0.040 max	0.030 max	12.00 to 14.00	-	-	-
NM 420 B	0.26 to 0.35	0.50 max	0.60 max	0.030 max	0.030 max	12.00 to 14.00	0.60 max	0.75 max	Cu: 075 max
NM 420 C	0.36 to 0.42	1.00 max	1.00 max	0.040 max	0.030 max	12.50 to 14.00	-	-	-
NM 420 F	0.30 to 0.32	1.00 max	1.25 max	0.04 max	0.15 to 0.25	12.00 to 13.50	-	0.50 max	-
NM 420 CF	0.43 to 0.50	1.00 max	1.25 max	0.04 max	0.15 to 0.35	12.50 to 14.00	-	0.50 max	-
NM 430 F	0.10 to 0.12	1.00 max	1.25 max	0.040 max	0.15 to 0.35	16.00 to 17.50	-	0.20 to 0.60	-
NM 446	0.20 max	1.00 max	1.50 max	0.040 max	0.030 max	23.00 to 27.00	0.75 max	-	N: 025 max
NM 631	0.09 max	0.70 max	1.00 max	0.040 max	0.015 max	16.00 to 18.00	6.50 to 7.70	-	-
NM 904/L	0.02 max	0.70 max	2.00 max	0.030 max	0.010 max	19.00 to 21.00	24.00 to 26.00	4.00 to 5.00	Cu: 1.20 to 2.00 N: 0.10 max
NM 204 CU	0.10 max	1.00 max	6.50 to 8.50	0.040 max	0.030 max	16.00 to 17.50	1.50 to 2.00	1.00 max	Cu: 2.00 to 3.50 N: 0.15 to 0.25 B: 0.0005 to 0.0050

Packing for mechanical wire / Imballo per filo meccanico / Emballage pour applications mécaniques / Verpackung für mechanisce drähte

Novametal	Coil Matassa / Couronne / Ringe			Drum Fusto / Füt / Fass		Cardboard coil (Z2) Bobina con anima di cartone Bobine trancannée / Pappzylinder		Spider Baderna / Dividoir Kronenstock		Steel reel K760 Rocca di ferro / Touret métallique / Stahlspule
Diameter (mm)	1.00 to 1.60	1.60 to 5.20	>5.20	0.70 to 1.20	1.20 to 1.70	1.80 to 5.20	> 5.20	1.60 to 5.20	> 5.20	0.70 to 2.50
Weight (kg)	25 to 80	100 to 200	150 to 300	100 to 150	100 to 200	600 to 1300	600 to 1300	700 to 1000	700 to 1000	100 to 300
Inner Ø (mm)	300 to 500	500 to 700	700 to 800	-	-	380/500/550	500 to 550	480 / 530	730	-

Packing for fine wire / Imballo per filo sottile / Emballage pour fils fins / Verpackung für feindräthe

Novametal	Spool DIN 160	Spool DIN 200	Spool DIN 250	Spool DIN 355	Spool DIN 460
Diameter (mm)	0.16 to 0.50	0.16 to 0.60	0.16 to 0.80	0.20 to 0.80	0.20 to 0.80
Weight (kg)	6	13	20	40	40
Diameter (in)	0.006 to 0.020	0.006 to 0.024	0.006 to 0.031	0.008 to 0.031	0.008 to 0.031
Weight (lb)	13	29	44	88	88

Other sizes, tolerances, qualities and packaging are available upon request. / Altri diametri, tolleranze, leghe ed imballi sono disponibili a richiesta.
Autres diametres, tolèrances, alliages et conditionnements selon vos demandes. / Andere Abmessungen, Toleranzen, Qualitäten und Verpackungen auf Anfrage.