

STAINLESS STEEL WIRE FOR COLD HEADING

Product availability / Disponibilità prodotto
 Produit disponible / Verfügbare werkstoffe

Novametal	AISI	EN 10088	W. Nr.
NM 304 C	304	X5CrNi 18-10	1.4301
NM 304 V	304 L	X2CrNi 19-11	1.4306
NM 304 Cu	UNS S30430	X3CrNi 18-9-4	1.4567
NM 316 V	316 L	X2CrNiMo 17-11-2	1.4404
NM 316 Cu	316 Cu	X3CrNiCuMo 17-11-3-2	1.4578
NM 410 L	410	X12Cr 13	1.4006
NM 420 C	420	X39Cr13	1.4031
NM 420 CS	420	X46Cr13	1.4034
NM 420 CS 1	420	X47Cr14	1.3541
NM 430 L	430	X6Cr 17	1.4016
NM 1.4362	-	X2CrNiN 23-4	1.4362
NM 1.4462 G	2205	X3CrNiMoN 22-5-3	1.4462

Supply condition / Stato di fornitura / Etat de livraison / Lieferzustand

Annealed	Ricotto	Recuit	Geglüht
Annealed skinpassed	Ricotto skinpassato	Recuit skinpassé	Geglüht kaltnachgezogen
Skinpassed	Skinpassato	Skinpassé	Kaltgezogen

Tolerances / Tolleranze / Tolérances / Toleranzen

In accordance with	Secondo norme	Selon norme	Nach norm
EN 10088-3	EN 10088-3	EN 10088-3	EN 10088-3
On request	Su richiesta cliente	Sur demande client	Nach kundenwunsch

Surface finishes / Stato superficiale

Aspect de surface / Oberfläche

With years of study and research, Novametal's technical staff have produced a specialised coating system, specifically for cold heading, the Nova Coating System (NCS®).

NCS-Nova Coating System can/is:

- improve the forming of the wire
- offer a longer shelf life
- easy to remove (soluble in water)

Grazie ad anni di studio e ricerca lo staff tecnico del Gruppo Novametal ha sviluppato uno speciale sistema di rivestimento specifico per le lavorazioni a freddo: il Nova Coating System (NCS®).

NCS-Nova Coating System può/è:

- migliorare la formazione del filo
- offrire una maggiore durata del filo
- facile da rimuovere (solubile in acqua)

Après des années d'étude et de recherche, le personnel technique de Novametal a mis au point un revêtement spécifiquement adapté pour la frappe à froid, le Nova Coating System (NCS®).

NCS-Nova Coating System can/is:

- optimise la déformation du fil
- offre une meilleure conservation du fil
- s'enlève facilement (soluble dans l'eau)

Nach Jahren des Studiums und der Forschung, hat das technische Personal der Novametal eine Beschichtung speziell zum Kaltstählen entwickelt, das Nova Coating System (NCS®).

Nova Coating System ermöglicht:

- eine optimale Verformung des Drahtes
- grössere Haltbarkeit des Drahtes
- eine schnellere Reinigung der Maschinen (wasserlöslich)

Other finishes available / Altre rifiniture possibili

Autres finitions possibles / Weitere Oberflächenzustände

Annealed white	Ricotto bianco	Recuit blanc	Geglüht blank
Grease skinpassed	Skinpassato a grasso / olio	Skinpassé à la graisse	Shimierblank nachgezogen

Diameters / Diametri / Diametres / Durchmesser

Standard from 1,00 mm to 10,00 mm. Larger or smaller diameters available on request.

Standard de 1,00 mm à 10,00 mm. Diamètres supérieurs o inférieurs sont livrés sur demande.

Standard da 1,00 mm a 10,00 mm. Diametri maggiori o minori fornibili su richiesta.

Standard von 1,00 mm nach 10,00 mm. Grössere o kleinere Abmessungen auf Anfrage.

Mechanical properties / Caratteristiche meccaniche

Caracteristiques mecaniques / Mecanische Eigenschaften

As required. Secondo richiesta. Selon spécification. Nach Kundenwunsch.

Grades & chemical composition / Marche & composizione chimica
 Nuances & composition chimiques / Werkstoffe & chemische Zusammensetzung

Novametal	C	Si	Mn	P	S	Cr	Ni	Mo	Others
NM 304 C	0.07 max	1.00 max	2.00 max	0.045 max	0.03 max	18.00 to 19.00	8.00 to 10.00	-	-
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 Cu	0.04 max	1.00 max	2.00 max	0.045 max	0.03 max	17.00 to 19.00	8.50 to 11.50	-	N: 0.11 max Cu: 3.00 to 4.00
NM 316 V	0.03 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 Cu	0.04 max	1.00 max	2.00 max	0.045 max	0.015 max	16.50 to 17.50	10.00 to 11.00	2.00 to 2.50	N: 0.11 max Cu: 3.00 to 3.50
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 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 CS	0.43 to 0.50	1.00 max	1.00 max	0.040 max	0.03 max	12.50 to 14.00	-	-	-
NM 420 CS 1	0.43 to 0.50	1.00 max	1.00 max	0.04 max	0.02 max	12.50 to 14.00	-	-	-
NM 430 L	0.08 max	1.00 max	1.00 max	0.040 max	0.03 max	16.00 to 18.00	-	-	-
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
NM 1.4462 G	0.03 max	1.00 max	2.00 max	0.035 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

Packing for cold heading wire / Imballo per filo per stampaggio
 Emballage pour frappe à froid / Verpackungen für kaltstauchdraht

Novametal	Coil Matassa / Couronne / Ringe			Spider Baderna / Devidoir / Kronenstock		Cardboard coil (Z2) / Bobina con anima di cartone Bobine trancannée / Pappzylinder		
	1.00 to 1.50	1.60 to 5.20	>5.20	1.60 to 6.20	5.00 to 10.00	1.60 to 5.20	1.60 to 5.20	>5.20
Diameter (mm)	1.00 to 1.50	1.60 to 5.20	>5.20	1.60 to 6.20	5.00 to 10.00	1.60 to 5.20	1.60 to 5.20	>5.20
Weight (kg)	25 to 50	100 to 200	150 to 300	600 to 1000	700 to 1000	500 to 1000	500 to 1300	500 to 1300
Inner Ø (mm)	300 to 500	500 to 700	700 to 800	480 - 530	730	380	550	380 - 550