

# NICKEL ALLOYS MECHANICAL AND FINE WIRE

Filo in leghe nickel per applicazioni meccaniche e filo sottile  
Fils en nickel pour applications mécaniques & fils fins  
Nickel-Draht für mechanische Anwendungen & Feindrähte

## Product availability / Disponibilità prodotto / Produit disponible / Verfügbare werkstoffe

Novametal	Classification(s)	W. Nr.	Also known as
INC600	EN10095: NiCr15Fe	2.4816	Alloy 600
	ASTM: UNS N06600		
INC601	EN10095: NiCr23Fe	2.4851	Alloy 601
INC625	EN10095: NiCr22Mo9Nb	2.4856	Alloy 625
INC800	EN10095: X10NiCrAlTi32-21	1.4876	Alloy 800
	ASTM: UNS N08810		
INC825	ISO9723: NiFe30Cr21Mo3	2.4858	Alloy 825
	ASTM: UNS N08825		
ALL400	(S-)NiCu30Fe	2.4360	Alloy 400
NIFE47	ASTM: UNS N14052	2.4478	-
N99-M	ASTM: UNS N02200	2.4060	Ni 99.6
	ASTM: UNS N02201	2.4061	LC-Ni99.6

### Diameters / Diametri Diametres / Durchmesser

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

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

Standard de 0,16 à 10,00 mm.  
Diamètres supérieurs o inférieurs sont livrés sur demande.

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

### Mechanical properties

Caratteristiche meccaniche  
Caracteristiques mecaniques  
Mechanische Eigenschaften

As required by customer.

Secondo richiesta cliente.

Selon spécification.

Nach Kundenwunsch.

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

Novametal	Coil Matassa / Couronne / Ringe			Drum Fusto / Fût / Fass		Cardboard coil (Z2) Bobina / Bobine trancannée Pappzylinder		Spider Baderna / Dividoir Kronenstock		Steel reel K760 Rocca di ferro / Touret métallique / Stahlspeule
	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
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 feindrähte

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

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	Cu	Co	Fe	Ti	Al	Nb	B
<b>INC600</b>	0.025 to 0.10	0.50 max	1.00 max	0.020 max	0.015 max	14.00 to 17.00	72.00 max	-	0.50 max	1.00 max	6.00 to 10.00	0.30 max	0.30 max	-	0.006 max
<b>INC601</b>	0.10 max	0.50 max	1.00 max	0.020 max	0.015 max	21.00 to 25.00	58.00 to 63.00	-	0.50 max	1.00 max	18.00 max	1.00 to 1.70	1.00 to 1.70	-	0.0006 max
<b>INC625</b>	0.03 to 0.10	0.50 max	0.50 max	0.020 max	0.015 max	20.00 to 23.00	58.00 min	8.00 to 10.00	0.50 max	1.00 max	5.00 max	0.40 max	0.40 max	3.15 to 4.15	-
<b>INC800</b>	0.05 to 0.10	1.00 max	1.50 max	0.030 max	0.015 max	19.00 to 23.00	30.00 to 34.00	-	0.75 max	-	39.50 min	0.15 to 0.60	0.15 to 0.60	-	-
<b>INC825</b>	0.025 max	0.50 max	1.00 max	0.020 max	0.015 max	19.50 to 23.50	38.00 to 46.00	2.50 to 3.50	1.50 to 3.00	1.00 max	REM	0.60 to 1.20	0.20 max	-	-
<b>ALL400</b>	0.150 max	0.50 max	2.00 max	0.020 max	-	-	63.00 min	-	28.00 to 34.00	-	100 to 2.50	0.30 max	0.50 max	-	-
<b>NIFE47</b>	0.02 max	0.30 max	0.60 max	-	-	-	RE.	-	-	-	47.00 to 50.00	-	-	-	-
<b>N99-M</b>	0.02 max	0.15 max	0.35 max	-	0.005 max	-	99.60 min	-	0.15 max	-	0.25 max	0.10 max	-	-	-