

Wire



Deutsche Nickel



Size Range

0.5 mm – 6.0 mm
0.0196 in – 0.2362 in



0.1 mm – 20 mm
0.0039 in – 0.7874 in



0.1 mm – 1.5 mm
0.0039 in – 0.0590 in

Alloy Grades

Nickel / Nickel Alloys

Alloy	DN Trade name	Material No. / UNS	Specification	Chemical analysis
200	R-Nickel 99.2	2.4066 / N02200	ASTM B160 DIN 17740	Ni min. 99.2%
201	NR-Nickel 99	2.4068 / N02201	ASTM B160 DIN 17740 VdTÜV-345	Ni min. 99.2%
Ni 99.6	BR-Nickel 99.6	2.4060	DIN 17740	Ni min. 99.6%
LC-Ni 99.6	NR-Nickel 99.6	2.4061	DIN 17740	Ni min. 99.6%, C max. 0.02%
205	Ni 205	N02205	ASTM F3 Grade 2	Ni min. 99.0% Mg 0.01 – 0.08% Ti 0.01 – 0.05%
212	NiMn2	2.4110 / N02212	DIN 17741	Ni 98%, Mn 2%
211	NiMn5	2.4116 / N02211	DIN 17741	Ni 95%, Mn 5%
Ni 99.9	BR-Ni 99.9	-	-	Ni 99.9%

Iron-Nickel Alloys

Alloy	DN Trade name	Material No. / UNS	Specification	Chemical analysis
NiCo29/18	Dilaton 29/18	1.3981 / K94610	ASTM F15 DIN 17745 / SEW 385	Fe 53%, Ni 29%, Co 18%
FeNi36	Dilaton 36	1.3912 / K93603	ASTM F1684 DIN 17745 / SEW 385	Fe 64%, Ni 36%
FeNi36	Dilaton 36M	1.3911	DIN 17745 / SEW 385	Fe 64%, Ni 36%
FeNi42	Dilaton 41	K94100	ASTM F30	Fe 59%, Ni 41%
FeNi42	Dilaton 42	1.3917	DIN 17745 / SEW 385	Fe 58%, Ni 42%
FeNi48	Dilaton 48	1.3922 / K94800	ASTM F30 DIN 17745 / SEW 385	Fe 52%, Ni 48%
NiFe47Cr6	Dilaton 48Cr6	2.4486 / N14052	DIN 17745 / SEW 385	Fe 46%, Ni 47% Cr 6%
W48	W48 Soft-Magnetic	1.3922	DIN 17745	Fe 52%, Ni 48%

FeNi51	Dilaton 52	-	ASTM F30	Fe 49%, Ni 51%
FeNi52	Dilaton 51	2.4478 / N14052	ASTM F30 DIN 17745 / SEW 385	Fe 48%, Ni 52%
FeNi54	Dilaton 54	2.4475	DIN 17745 / SEW 385	Fe 46%, Ni 54%

Copper-Nickel Alloys

Alloy	DN Trade name	Material No. / UNS	Specification	Chemical analysis
CuNi1	CuNi1	-	-	Cu 99%, Ni 1%
CuNi2	CuNi2	2.0802 / C70200	DIN 17471 ASTM B267	Cu 98%, Ni 2%
CuNi6	CuNi6	2.0807 / C70500	DIN 17471 ASTM B267	Cu 94%, Ni 6%
CuNi10	CuNi10	2.0811 / C70700	DIN 17471 ASTM B267	Cu 90%, Ni 10%
CuNi10 Fe1Mn	CuNi10Fe1Mn	(2.0872) / (CW352H) C70600	ASTM B151	Cu 88%, Ni 10%, Fe 1.5%
CuNi15	CuNi15	-	-	Cu 85%, Ni 15%
CuNi23Mn	CuNi23Mn	2.0881 / C71100	DIN 17471 ASTM B267	Cu 76%, Ni 23%, Mn 0.5%
CuNi30Mn	CuNi30Mn	2.0890	-	Cu 70%, Ni 30%
CuNi30 Mn1Fe	CuNi30Mn1Fe	(2.0882) / (CW354H) C71500	ASTM B151	Cu 69%, Ni 30%, Fe 0.7%
CuNi44 Mn1	Vernicon	2.0842	DIN 17471	Cu 55%, Ni 44%

Nickel-Copper Alloys

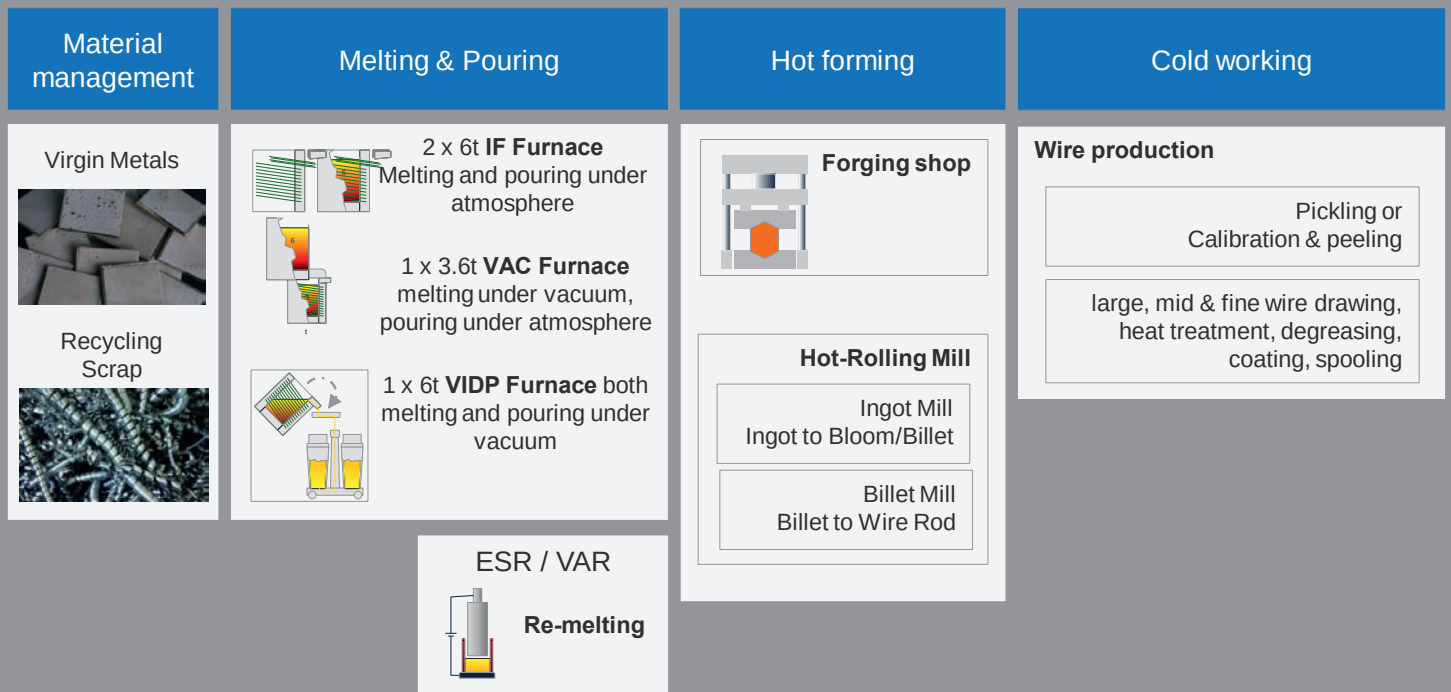
Alloy	DN Trade name	Material No. / UNS	Specification	Chemical analysis
400	Silverin 400	2.4360 / N04400	ASTM B164 DIN 17743 QQN281	Ni 64%, Cu 32%, Fe 2%, Mn 1.2%
400LC	Silverin 400LC	2.4361	DIN 17743	Ni 64%, Cu 32%, Fe 2%, Mn 1.2%, C ≤ 0.04%
K500	Silverin 500	2.4375 / N05500	ASTM B865 DIN 17743 QQN286	Ni 65%, Cu 30%, Al 3%, Fe 0.08%, Ti 0.6%

Nickel-Chrome-Iron Alloys

Alloy	DN Trade name	Material No. / UNS	Specification	Chemical analysis
600	Ferrochronin 600	2.4816 / N06600	ASTM B166 DIN 17742	Ni 74%, Cr 16%, Fe 9%
601	Ferrochronin 601	2.4851 / N06601	ASTM B166 DIN 17742	Ni 61%, Cr 23%, Fe 14%, Al 1.4%
625	Chronin 625	2.4856 / N06625	ASTM B446 DIN 17744	Ni 60%, Cr 22%, Mo 9%, Fe 4%, Nb 3.5%, Ti 0.3%

Spark Plug / Glow Plug Alloys

Alloy	DN Trade name	Material No. / UNS	Specification	Chemical analysis
NiY	NiSi1Al1Y	-	-	Ni 97%, Si 1%, Al 1%, Y 0.15%
600	Ferrochronin 600	2.4816 / N06600	DIN 17742	Ni 74%, Cr 16%, Fe 9%
-	NiMn4Si	(2.4190)	-	Ni 95%, Mn 4%, Si 1%
522	NiMn2CrSiTiZr	-	-	Ni 95%, Mn 2%, Cr 2%, Si 0.5%, Ti 0.3%, Zr 0.15%
-	NiCr2Al2Si2	-	-	Ni 94%, Cr 2%, Al 2%, Si 2%
-	NiCr2Mn2Si	2.4146	DIN 17742	Ni 96%, Cr 1.6%, Mn 1.6%, Si 0.5%
602CA	NiCr25FeAlY	2.4633 / N06025	ASTM B166 / B564 DIN 17742 / 17752 DIN EN 10302	Ni 63%, Cr 25%, Fe 9%, Al 2%, Y 0.1%
Ni 99.9	BR-Ni 99.9	-	-	Ni 99.9%
CoFe8	CoFe 8	-	-	Co 92%, Fe 8%



Manufacturing Process

Cold drawn
Cold drawn / Annealed
Re-drawn
Hot rolled

Ø 0.1 mm - 20 mm; 0.039 in – 0.7874 in
Rods up to max. 3.000 mm / 118.11 in long

Peeled, ground, pickled, blasted, coated, degreased, cut to length

Spools, drums, coils, formers, rods

Supply Conditions





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