



Hyndman Industrial Products, Inc.  
 3205 Cannongate Drive  
 Fort Wayne, IN 46808-4518  
 Phone 260.483.6042  
 Fax 260.483.1722  
 sales@resistancewire.com

November 31, 2003

The November 2003 LME Nickel Cash Average Price was above our Nickel Base price of \$3.00/LB, so surcharges will again be in effect for the entire month of December.

For illustration of how the Nickel surcharge is calculated, November's LME Nickel Cash Average Price was \$5.4843/LB. This yields an 80% Nickel wire surcharge as follows:  $(\$5.4843 - \$3.00) \times 1.15 \times 0.80 = \$2.29$  per pound of coiled wire. The 15% adder is present to cover the transaction fees, [contango](#) charges, insurance and delivery of the nickel material. It is also to cover the losses of material that occur when melting known as "stack losses". Always confirm the price of nickel applied to your transaction when dealing in any product based on the price of nickel.

Alloy Name	Common Names	Surcharge (\$/LB)	Nickel %
1JR	No. 1 JR Alloy (Types 1, 2 and 4); Alkrothal 720	\$0.00	0%
294	Cuprothal, Alloy 294, Cuprothal 294, Nico, MWS-294, Cupron, Copel, Alloy 45, Neurology, Advance, CuNi 102, Cu-Ni 44, Konstantan	\$1.29	45%
A180	Alloy 180, CuNi 180, 180 Alloy, MWS-180, Cuprothal 180, Midohm, HAI-180, Cu-Ni 23, Alloy 380, Nickel Alloy 180	\$0.63	22%
A30	Alloy 30, CuNi 30, 30 Alloy, MWS-30, Cuprothal 30, HAI-30, Cu-Ni 2, Alloy 230, Nickel Alloy 30	\$0.06	2%
A60	Alloy 60, CuNi 60, 60 Alloy, MWS-60, Cuprothal 60, Lohm, HAI-60, Cu-Ni 6, Alloy 260, Nickel Alloy 60	\$0.17	6%
A90	Alloy 90, CuNi 90, Alloy 290, #95 Alloy, 90 Alloy, MWS-90, Cu-Ni 10, Cuprothal 90, HAI-90, Cu-Ni 10, Alloy 260, Alloy 95, Nickel Alloy 90	\$0.34	12%
ALK	Alkrothal 14, Alloy 750, Alferon 902, Alchrome 750, Resistohm 125, Aluchrom W, 750 Alloy, Stablohm 750	\$0.00	0%
HAA	Chromel AA	\$2.00	70%
KA	Alloy 835, Kanthal A	\$0.00	0%
KA1	Kanthal A1, Kanthal, Alloy 875, Resistohm 145, Aluchrom 0, Alchrome 875, MWS-875, Stablohm 875	\$0.00	0%
KAF	Kanthal AF, Resistohm Y, Aluchrom Y, Alloy 837, AF	\$0.00	0%
KAPM	KAPM, Alloy 875 PM, Kanthal APM	\$0.00	0%
KD	Kanthal D, Kanthal, Alloy 815, Alchrome DK, Alferon 901, Resistohm 135, Aluchrom S, Stablohm 812	\$0.00	0%
MO	Molybdenum, Moly	\$0.00	0%
N4	Chromel D, Nikrothal 40, N4, Chromax, HAI-NiCr 40, Tophet D, Resistohm 40, Cronifer III, 35-20 Ni-Cr, Alloy D, Nikrothal 4, MWS-610, Stablohm 610	\$1.14	40%
N6	Chromel C, Nikrothal 60, N6, HAI-NiCr 60, Tophet C, Resistohm 60, Cronifer II, Electroloy, Nichrome, Alloy C, Nikrothal 6, MWS-675, Stablohm 675	\$1.71	60%
N7	Nikrothal 70, Chromel 70/30, N7, Hytemco, HAI-NiCr 70, Balco, Tophet 30, Resistohm 70, Cronix 70, Stablohm 710	\$2.00	70%
N8	Chromel A, Nikrothal 80, N8, Nichrome V, HAI-NiCr 80, Tophet A, Resistohm 80, Cronix 80, Protoloy, Nikrothal 8, Alloy A, MWS-650, Stablohm 650	\$2.29	80%
NI200	Nickel 200, Nickel Alloy 200, Alloy 200, 200 Alloy, Alloy K205	\$2.83	99%
NI201	Nickel 201, Nickel Alloy 201, Alloy 201, 201 Alloy, Alloy K270	\$2.83	99%
RA330	Rolled Alloys 330, Stainless 330, RA330, SS330	\$1.01	36%
SS304	Stainless Steel 304, SS304	\$0.23	8%