

Stainless Steel : Alnico 1, Alnico 2, Alnico 3, Alnico 4, Alnico 5



Price Reporting

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Introduction to Metals

Alloy	Chemical Composition
Alnico 1	Click
Alnico 2	Click
Alnico 3	Click
Alnico 4	Click
Alnico 5	Click

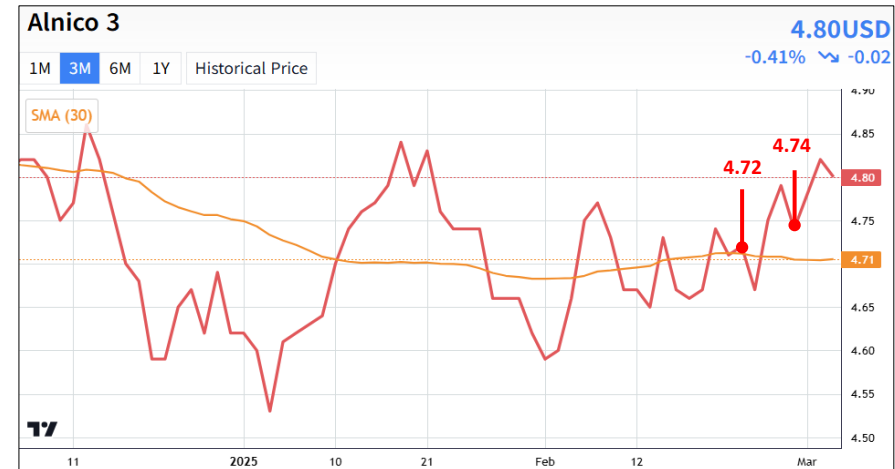
Reporting Duration

February 24, 2025 – February 28, 2025 Alloy Price Analysis including Nickel Alloys

Alnico Alloy Price Increase: Analyzing the Impact of Key Element Price Fluctuations



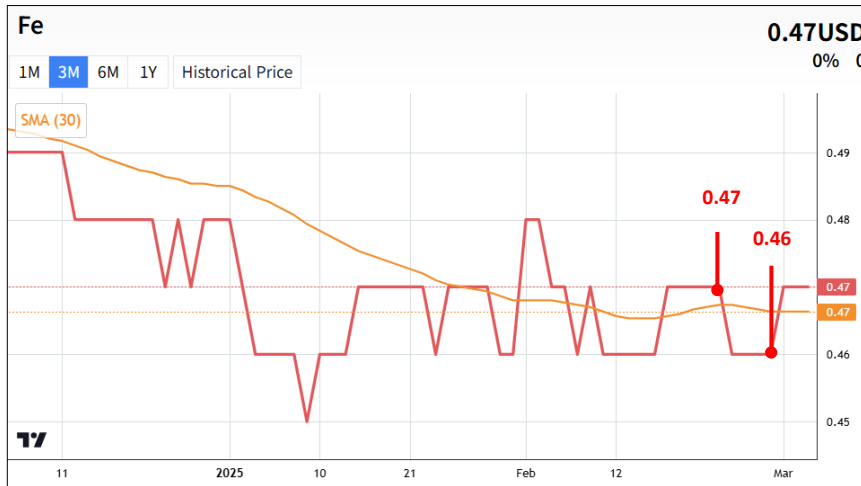
〈Alnico 1, Alnico 2, Alnico 4, Alnico 5 price graph, 3 months〉



〈Alnico 3 price graph, 3 months〉

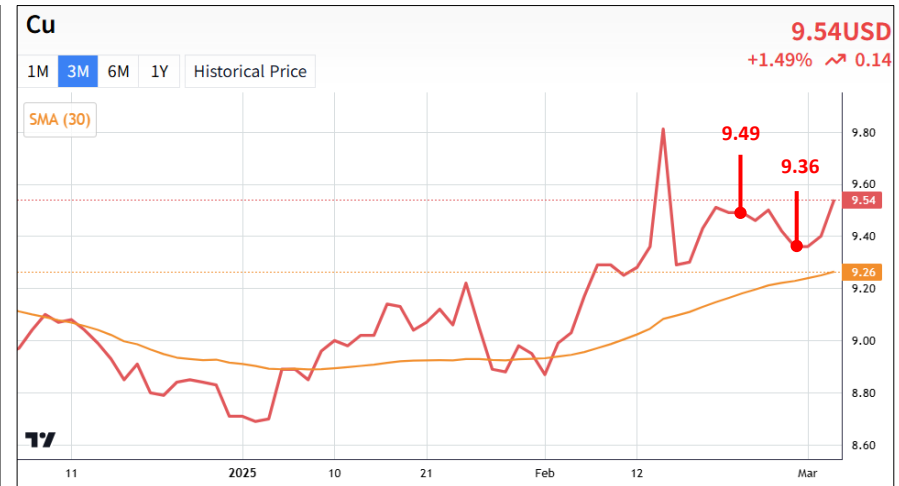
- Alnico alloy prices have increased recently. Between February 24, 2025 and February 28, 2025, Alnico 1 increased by \$0.09 from \$5.02 to \$5.11 per kg, Alnico 2 increased by \$0.21 from \$6.35 to \$6.56 per kg, Alnico 3 increased by \$0.02 from \$4.72 to \$4.74 per kg, Alnico 4 increased by \$0.10 from \$5.79 to \$5.89 per kg, and Alnico 5 increased by \$0.36 from \$8.02 to \$8.38 per kg.
- Among them, Alnico 3 has experienced a relatively low increase, which is due to the difference between the presence and content of cobalt, iron, copper, and aluminum, and the price of each added element.
- The exception among the Alnico alloys is Alnico 3, which has no cobalt added. Also, in terms of price, Co has increased in price, while iron, copper, and aluminum have decreased in price.

Breaking down the price movements of iron, copper, and aluminum



〈Fe price graph, 3 months〉

- Iron decreased from \$0.47 to \$0.46 per kilogram.
- The price decline in iron was driven by steel tariffs and increased protectionism in the U.S. Restrictions on steel exports, particularly from China, have destabilized the steel supply chain and expanded export markets through third countries, putting pressure on steel prices.



〈Cu price graph, 3 months〉

- Copper decreased by \$0.13, from \$9.49 to \$9.36 per kilogram.
- The decline in copper prices was driven by tight copper concentrate supply and global supply chain instability: copper smelters in major countries, including China, continued to experience supply shortages, and the closure of the Pasar copper operation in the Philippines impacted the spot market. Copper prices are likely to be driven by supply shortages and market sentiment in the short term, and will depend on global economic conditions in the medium to long term.

Breaking down the price movements of iron, copper, and aluminum



〈Al price graph, 3 months〉

- Aluminum decreased by \$0.03, from \$2.67 to \$2.64 per kg.
- The price decline in aluminum is related to the EU's sanctions on Russian aluminum. A sharp decline in Russian aluminum stocks on the LME caused uncertainty in the supply chain, leading to a price decline. In addition, changes in aluminum exports and supply and demand instability in the EU market also impacted prices.

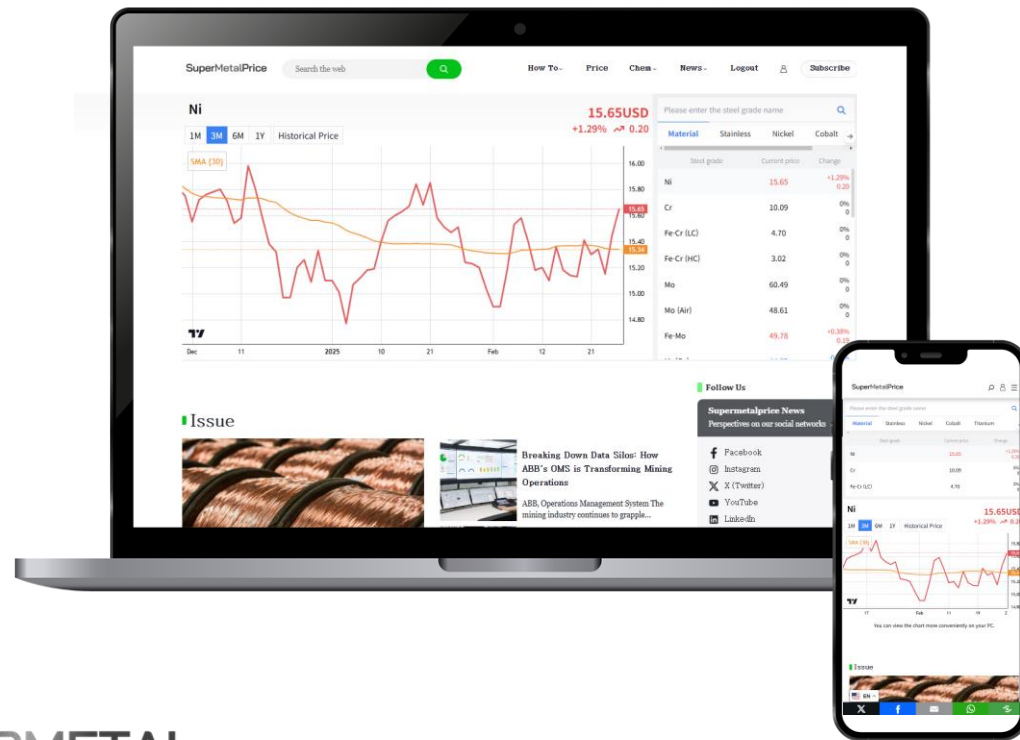
Future price outlook for alnico alloys

- The price of alnico alloys is affected by the price of the base elements, especially iron, copper, aluminum, and cobalt. The increase in cobalt prices has had a significant impact on alnico 1, 2, 4, and 5, and to a lesser extent on alnico 3.
- Increased steel tariffs and protectionism are likely to continue the decline in iron prices, which may also affect the prices of alnico alloys. In addition, copper supply shortages and aluminum supply instability will further increase price volatility. In the medium to long term, prices are expected to recover as the economy recovers and supply chains stabilize.

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