

Ni Alloys : Inconel 600, Inconel 601, Inconel 617,
Inconel 625(VM), Inconel 690

Price Reporting

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Introduction to Metals

Alloy	Chemical Composition
Inconel 600	Click
Inconel 601	Click
Inconel 617	Click
Inconel 625 (VM)	Click
Inconel 690	Click

Reporting Duration

March 10, 2025 - March 14, 2025 Alloy Price Analysis including Nickel Alloys

Inconel 600 Series Alloy Price Trends



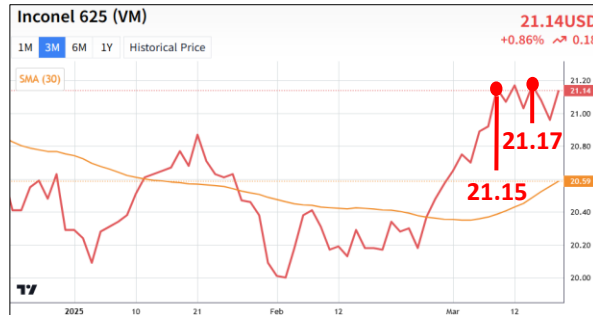
(Inconel 600 price graph, 3 months)



(Inconel 601 price graph, 3 months)



(Inconel 617 price graph, 3 months)



(Inconel 625 (VM) price graph, 3 months)



(Inconel 690 price graph, 3 months)

- Between March 10 and 14, 2025, the price of Inconel 600 series alloys increased. Most alloys saw a modest increase of about \$0.02, but Inconel 617 was the exception, with a price spike of \$1.17.
- The Inconel 600 series alloys were heavily influenced by the recent price movements of nickel and cobalt: Inconel 600 increased slightly by \$0.02, from \$12.62 to \$12.64 per kilogram; Inconel 601 saw a similar increase, from \$11.05 to \$11.07 per kilogram; Inconel 625 (VM) increased by \$0.02, from \$21.15 to \$21.17 per kilogram; and Inconel 690 increased by \$0.02, from \$11.32 to \$11.34 per kilogram.
- Inconel 617, on the other hand, jumped \$1.17, from \$20.09 to \$21.26 per kilogram. This price increase is attributed to the rising cost of cobalt, which Inconel 617 contains about 12.50%. Cobalt has a significant impact on the price of this alloy.

Nickel price volatility



<Ni price graph, 3 months>

- Nickel prices have been mixed recently, rising slightly from \$16.42 to \$16.45.
- This rise has been linked to the weakness of the U.S. dollar and global economic uncertainty (trade wars, government mass layoffs, inflation concerns, etc.). In particular, the weak dollar has been a major contributor to the rise in nickel prices, while fears of slowing U.S. economic growth and rising trade tensions have added to price volatility.

Cobalt price volatility



<Co price graph, 3 months>

- The price of cobalt has recently experienced a significant increase, rising by \$9.19 from \$26.71 to \$35.90 per kilogram.
- This increase was caused by the suspension of cobalt exports from the Democratic Republic of Congo (DRC). The DRC is a major producer of cobalt, accounting for more than 75% of the world's supply, and the suspension of exports has caused a supply shortage, which has driven prices higher.

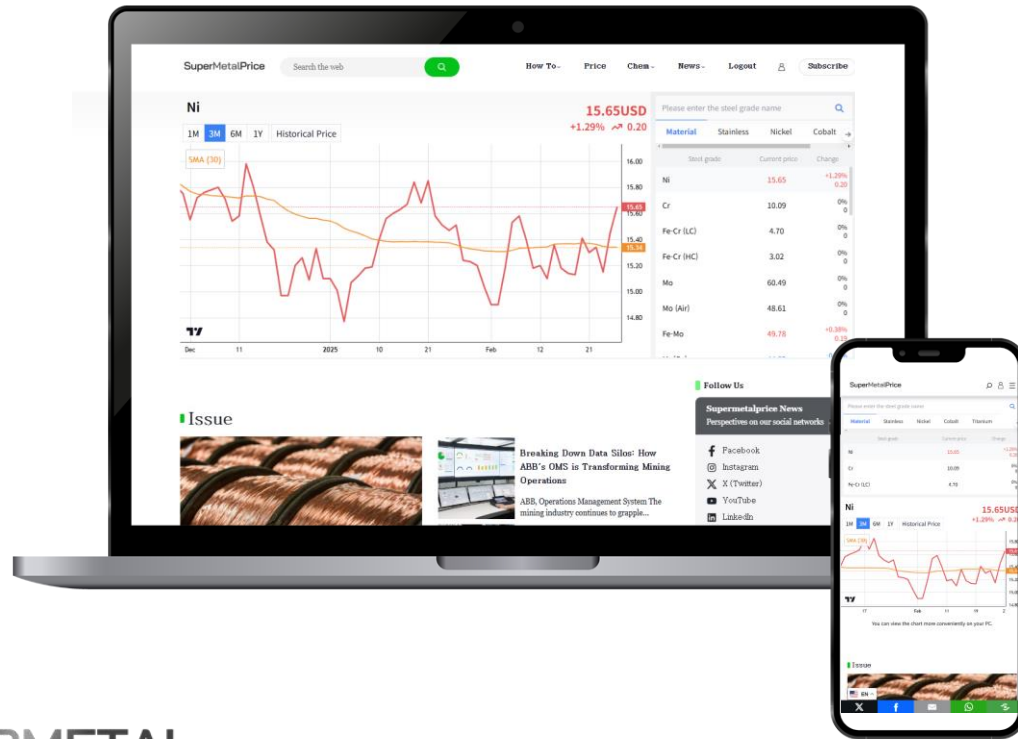
Future Price Outlook

- The price of Inconel 600-based alloys is expected to be heavily influenced by fluctuations in nickel and cobalt prices.
- With the recent increase in nickel prices and cobalt supply disruptions, it is likely that the prices of Inconel 600 and Inconel 617 will continue to increase. In particular, Inconel 617 will be more sensitive to price increases due to its higher cobalt content.
- If the prices of nickel and cobalt continue to increase in the future, it is likely that the prices of Inconel 600-based alloys will continue to increase as well.

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