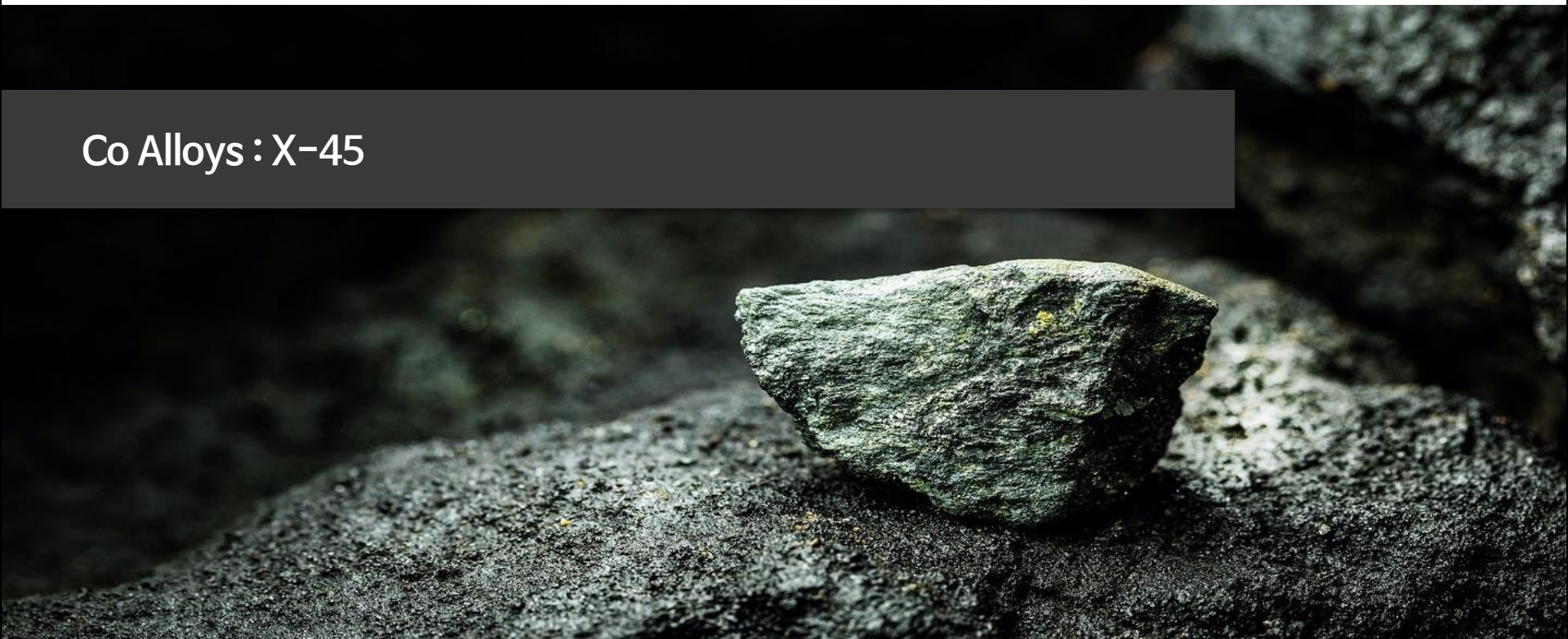


Co Alloys : X-45



Price Reporting

www.supermetalsprice.com

Copyright © SUPERMETALPRICE. All rights reserved.

Introduction to Metals

Alloy	Chemical Composition
X-45	Click

Reporting Duration

February 24, 2025 - February 28, 2025 Alloy Price Analysis including Cobalt Alloys

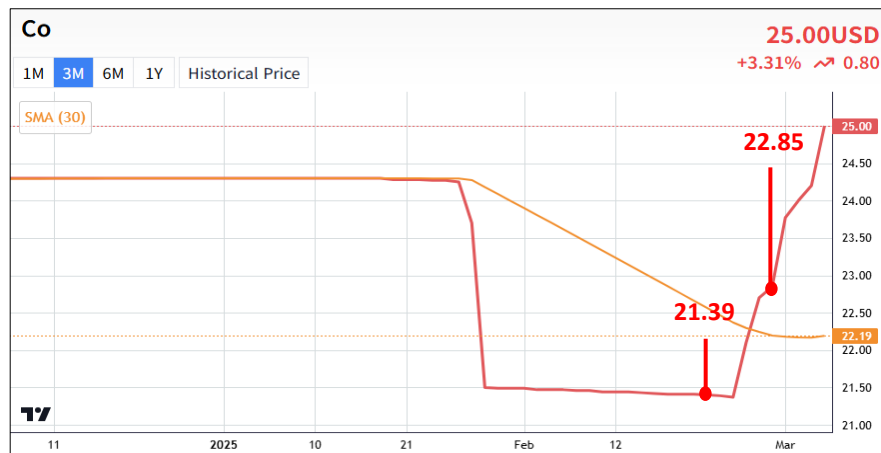
X-45 Alloy Price Increase: Analyzing the Impact of Key Metals



(X-45 price graph, 3 months)

- Between February 24 and 28, 2025, the price of X-45 alloy increased by \$1.64, from \$29.70 to \$31.34 per kg.
- This increase was driven by the rising prices of cobalt, nickel, molybdenum, and tungsten.
- The price fluctuations of each of these metals had a significant impact on the X-45 alloy market, with supply chain instability and global economic factors playing a significant role.

Cobalt price rises: Congo suspends exports



<Co price graph, 3 months>

- Cobalt prices rose by \$1.46, from \$21.39 to \$22.85 per kilogram, following the Democratic Republic of Congo's announcement on February 22, 2025, to suspend cobalt exports for four months.
- As the largest producer of cobalt, this move caused a significant supply shortage, driving prices higher. With growing demand from electric vehicles, cobalt prices are expected to continue rising, though supply chain stabilization and alternative materials may influence future price fluctuations.

Nickel price rises: supply uncertainty in the US



<Ni price graph, 3 months>

- Nickel prices rose by \$0.12, from \$15.34 to \$15.46 per kilogram, driven by supply uncertainty in the U.S. and increased volatility from former President Trump's tariff comments on Chinese imports.
- Key nickel producers like Indonesia, the Philippines, and Russia are facing supply chain issues, adding to price increases. Rising demand for nickel in electric vehicle batteries and stainless steel production is also contributing to the price surge.

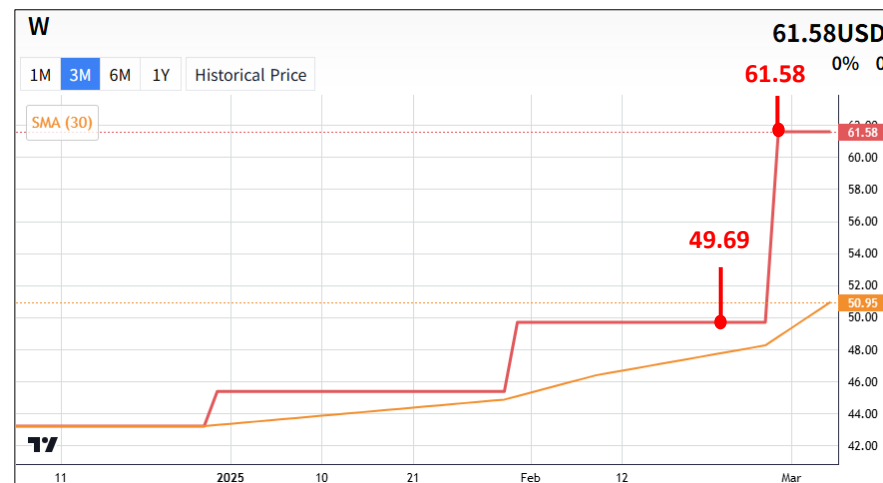
Rising molybdenum prices: strengthening supply chain stability



(Mo price graph, 3 months)

- Molybdenum prices rose by \$2.17, from \$60.49 to \$62.66 per kilogram, following a long-term contract between Greenland Resources and Outokumpu.
- This contract signals stability in the molybdenum supply chain. Increased demand for specialty stainless steel and low-emission molybdenum, driven by stricter environmental regulations, is fueling the price rise.

Tungsten price rises: China tightens export controls



(W price graph, 3 months)

- Tungsten prices surged by \$11.89, from \$49.69 to \$61.58 per kilogram, following China's tightening of export controls in February 2025. China's restrictions have created supply shortages, leading to a short-term price spike.
- Tungsten, essential for electronics, aerospace, and alloys, remains in high demand. Prices are expected to keep rising due to supply uncertainty, but may stabilize long-term if other producing countries can meet demand.

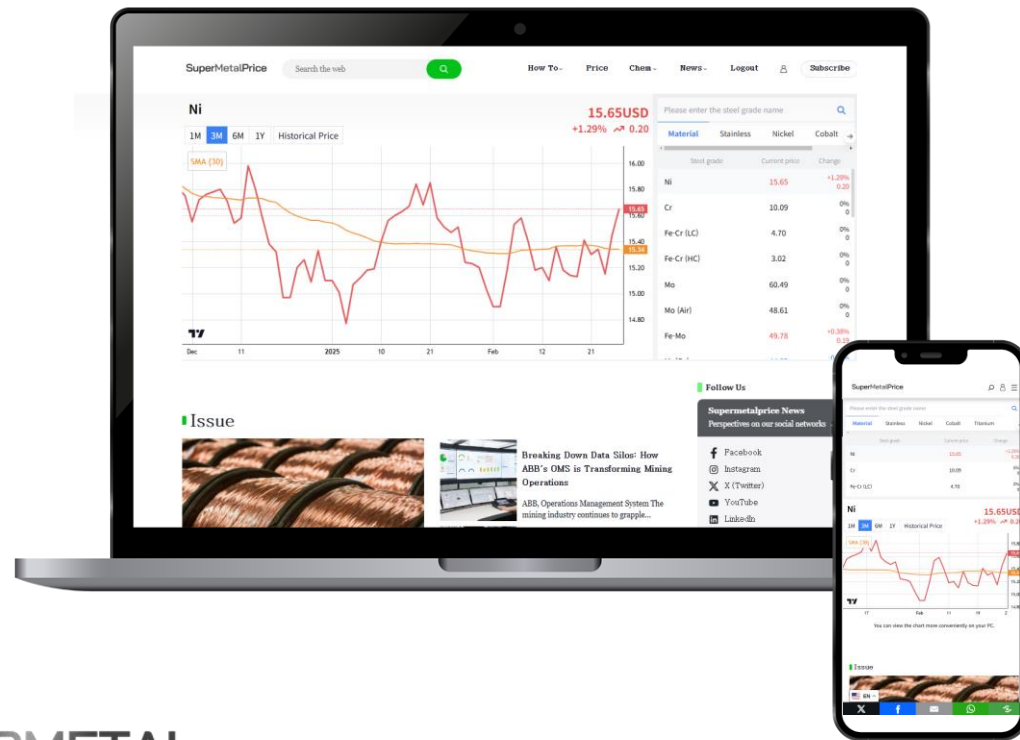
X-45 alloy price outlook

- The price of X-45 alloy has increased due to the rising prices of cobalt, nickel, molybdenum, and tungsten, with supply chain instability and increased demand having a significant impact.
- Going forward, the price of X-45 is likely to remain high due to increased demand for these metals and supply chain instability.
- However, prices may adjust as supply chains stabilize or alternative metals are developed.

SMP

WEB | MOBILE Service

www.supermetalsprice.com



Copyright © SUPERMETALPRICE. All rights reserved.