

Ti Alloys : Ti Gr.7, Ti Gr.11, Ti Gr.16

Price Reporting

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Introduction to Metals

Alloy	Chemical Composition
Ti Gr.7	Click
Ti Gr.11	Click
Ti Gr.16	Click

Reporting Duration

March 17, 2025 - March 21, 2025 Alloy Price Analysis including Titanium Alloys

Lower prices for Ti Gr.7, Ti Gr.11, and Ti Gr.16 alloys: Changes in the palladium and titanium markets



(Ti Gr.7 price graph, 3 months)



(Ti Gr.11 price graph, 3 months)



(Ti Gr.16 price graph, 3 months)

- Between March 17 and March 21, 2025, the price of Ti Gr.7, Ti Gr.11, and Ti Gr.16 alloys decreased.
- Ti Gr.7 and Ti Gr.11 each decreased by \$1.16, from \$68.05 to \$66.89 per kilogram, and Ti Gr.16 decreased by \$0.32, from \$26.96 to \$26.64 per kilogram.
- The main drivers of the price changes for Ti Gr.7, Ti Gr.11, and Ti Gr.16 include titanium supply stability and palladium price fluctuations.

Titanium price stability and supply situation



(Ti price graph, 3 months)

- The price of titanium remained unchanged at \$11.27 per kilogram.
- The price of titanium remained unchanged due to stable supply from India, increased exports of Russian titanium to Asia, and slowing global demand. India has maintained a stable supply of ferrotitanium, which has prevented sharp fluctuations in titanium prices. In addition, diversified exports of Russian titanium to Asia have helped alleviate supply shortages in the EU. However, slowing demand from the aerospace and automotive industries has weakened upward pressure on titanium prices.

How palladium price fluctuations have affected titanium alloy prices



(Pd price graph, 3 months)

- One of the main drivers of the decline in titanium alloy prices above is the dramatic fluctuation in the price of palladium.
- By March 18, palladium was on the rise, spiking to \$31,893.82 per kilogram, but by March 21, it had dropped to \$30,961.44. The rise in palladium prices was driven by international economic factors, including a weaker U.S. dollar, expectations of stimulus measures in China, and Germany's debt restructuring. However, demand for palladium declined as automakers still preferred platinum, which led to a drop in palladium prices.

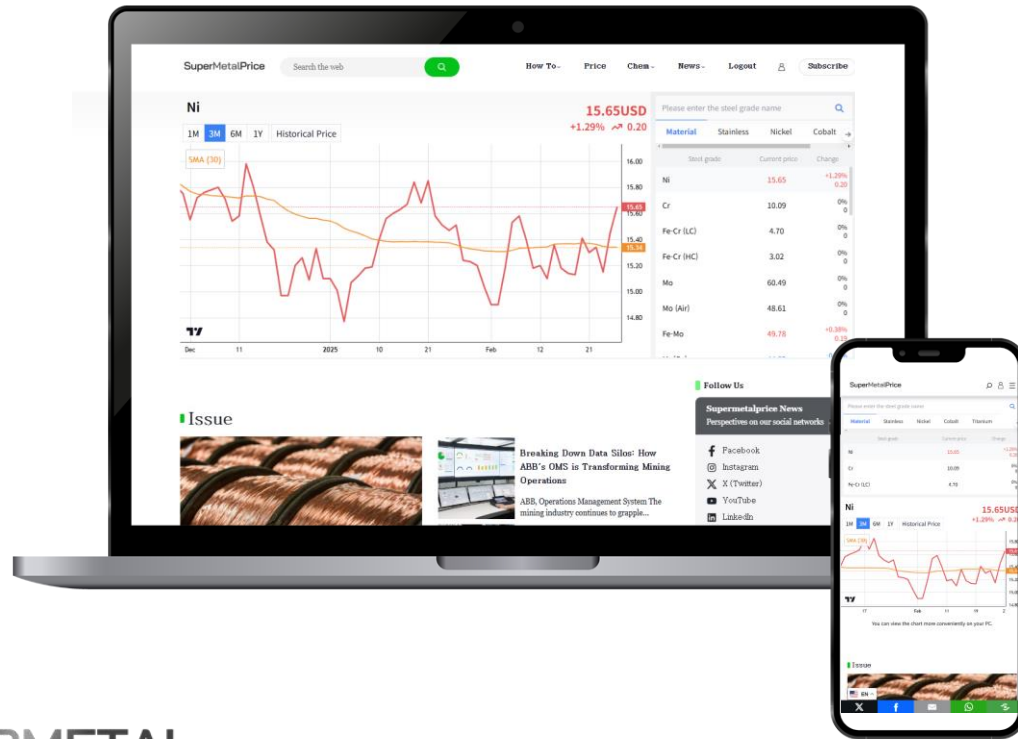
Future outlook

- The future price of Ti Gr.7, Ti Gr.11, and Ti Gr.16 alloys will be highly dependent on the stability of the titanium market and the volatility of palladium prices.
- If the titanium market maintains a stable supply situation, the prices of these alloys are likely to remain largely unchanged.
- However, if the palladium price becomes more volatile, the prices of Ti Gr.7 and Ti Gr.11 alloys with a higher palladium content may also be affected. If the palladium price continues to decline, the prices of these alloys may experience further downward pressure. Ti Gr.7 and Ti Gr.11, which have a relatively high palladium content, may be particularly sensitive to changes in the palladium price.

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