Vanadium

Metals

A hard grey metal recovered from magnetite ores, steel slag and other residues, used mostly to strengthen steel and increasingly in large flow batteries.

Key facts

World production, 2025
113,300 tonnes

Top producer
China, 72%

Top exporter, ferrovanadium (HS 720292), 2024
Austria, 20% of export value

HS code
720292 Ferro-vanadium

USGS MCS item
Mine production Mine production (vanadium content)

Also called
V, vanadium pentoxide, V2O5, ferrovanadium

Top producers, 2025

Country	Tonnes	Share
China	82,000	72%
Russia	21,000	19%
Brazil	5,300	4.7%
South Africa	5,000	4.4%

USGS Mineral Commodity Summaries, MCS 2026.

Top exporters, 2024

Country	Export value	Share
Austria	134.6 million USD	20%
China	125 million USD	19%
Czechia	105.2 million USD	16%
South Korea	69 million USD	10%
South Africa	65.1 million USD	9.7%

CEPII BACI international trade database (HS22, V202601).

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