

All metals news

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Top stories

'Best days ahead' after record quarter: CMC

By Abby Verret - Tuesday 11 January

Commercial Metals Co (CMC) is focusing on sustainability and growth after kicking off 2022 with a record quarter and a confident fiscal outlook, the company's top executive said on Monday January 10.

"Before we can responsibly talk about growth, we need to be certain that what we are growing is sustainable," chairperson, president and chief executive officer Barbara Smith said in a fiscal first-quarter earnings call on Monday, noting that she believes CMC's best days are yet to come.

Sustainability

While CMC already runs "possibly the cleanest portfolio of steel mills in the world," they are focused on further environmental progress, Smith said.

The company's emissions have improved by 6.20% since 2019 and are already under the 2040 Paris Accord target, placing them "in stark contrast to the global industry, which increased its emissions intensity over the same time frame," according to Smith.

Globally, the steel industry's energy efficiency has worsened by nearly 6% since 2019, while CMC's has improved by 7.80% in that same time. The company has also increased the proportion of green energy sources it consumes by approximately 3% and aims to bring this number higher, she added.

Growth

The upcoming [Arizona micro-mill that broke ground in September](#) remains on track to utilize on-site solar power for some of the cleanest steelmaking technology available, Smith said.

More than half of the cost of the new plant will be funded by [the sale of CMC's "higher cost and inefficient rebar capacity" in Rancho Cucamonga, California](#), she added.

CMC plans to invest \$475-525 million in the fiscal year 2022, with roughly half of that going to the Arizona mill, senior vice president and chief financial officer Paul Lawrence said.

While CMC expects the Arizona mill to expand their merchant bar footprint to the West Coast, [a planned fourth micro-mill announced on Monday](#) will "augment [their] operational footprint in the Eastern United States and enhance [their] ability to serve markets in the Northeast, Mid-Atlantic and Midwest," according to Smith.

CMC expects a roughly 18-24 month period from when significant construction activity on the new micro mill begins and when it comes online, Smith said, adding that the startup will likely come in late 2024 or early 2025.

Any information the company may provide regarding the size and expense of the new mill will come after a site has been selected, Smith said during the question-and-answer session.

In addition to the micro-mill expansions, Smith added, [CMC's recent agreement to acquire Tensar Corporation](#) "will make CMC a unique provider of value-added reinforcement solutions for the domestic and international

construction markets" and "represents CMC's entry into an adjacent and complementary product space."

CMC expects the Tensar deal to close in the fiscal third quarter of the year, she said.

On a final growth note, Smith added that she is confident about the future of the company's core geographical markets.

"For more than a decade, population growth within CMC's key US markets has outpaced the broader United States," Smith said. "This trend has picked up pace considerably since early 2020 [...] and population drives construction over the long-term."

Earnings

CMC enjoyed considerably higher earnings despite fewer overall shipments year on year due to increased selling prices; however, the pricing benefits were slightly offset by the high costs of energy, freight and alloys, Lawrence said.

In the three months ended November 30, CMC shipped 334,000 tons of raw material, 442,000 tons of rebar, 257,000 tons of merchant and other steel products, and 400,000 of downstream items. In the same quarter the previous year, they shipped 330,000 tons of raw material, 486,000 tons of rebar, 264,000 tons of merchant and other steel products, and 371,000 tons of downstream items.

Average selling prices for the quarter were \$1,034 per ton for raw materials, up by 64.13% from \$630 per ton the previous year; \$976 per ton for steel products, up by 59.48% from \$612 per ton year on year; and \$400 per ton for downstream products, up by 7.82% from \$371 per ton in the first quarter of fiscal year 2021.

The margin of steel products over scrap also increased by \$202 per ton year on year and \$82 per ton from the previous quarter, according to Lawrence.

"During our fourth-quarter earnings call, I indicated that CMC's downstream backlog was expected to reprice higher throughout fiscal 2022 as new higher price work replaces older lower priced work," Lawrence said. "We continue to expect further upward movement in CMC's average backlog price through the remainder of the fiscal year, particularly in light of strong market demand and bid volume."

Fastmarkets' price assessment for [steel reinforcing bar \(rebar\), fob mill US](#) averaged \$49.57 per hundredweight (\$991.40 per short ton) during the September-November period, up by 3.38% from a \$47.95 average in the previous quarter. The price was last assessed at \$51.50 per cwt on Wednesday January 5.

W Va governor may reveal Nucor investment

By Robert England - Tuesday 11 January

In his State of the State address on Wednesday January 12, West Virginia Governor Jim Justice is expected to announce that Nucor Corp has chosen the state for a new \$2.7 billion steel sheet mill capable of producing 3 million tons a year, according to steel industry sources.

The governor has not publicly named Nucor, but has said he will be making "a major, major announcement" during his Wednesday address.



The state's House of Delegates passed the West Virginia Industrial Advancement Act on Tuesday January 11. The legislation contains economic incentives for a potential heavy industrial development following its passage on Monday January 10 by the state Senate in a special session called by the governor.

Legislators have remained publicly mum on the intended beneficiary of incentives in the legislation.

The legislative package includes tax breaks and funding for construction site preparation for an industrial investment of more than \$2 billion by a company that will hire at least 500 full-time employees in the first three years the facility is in operation.

Tax credits in the legislation are valued at 50% of the cost of the investment. West Virginia will provide up to \$315 million in fund matching for the infrastructure investments.

Last September, Nucor said it planned to build a major new steel mill in either Pennsylvania, Ohio or West Virginia that will **target the high end of the sheet market**.

"We have a strategy to be a much more significant player in sheet [and] the new mill is the first step in that evolution," Nucor president and chief executive officer Leon Topalian said on September 20, 2021.

Nucor did not immediately respond to a request for a comment by the time of publication.

Nucor has stated the potential annual output of the new mill will be 1.1 million tons of galvanized, 800,000 tons of cold-rolled, 750,000 tons of hot band and 350,000 tons of pickled and oiled product, according to a presentation.

Local media in West Virginia cited unnamed sources that the **potential Nucor investment is likely to be in two locations**, one in Weirton and the other in Mason County.

Steel industry sources told Fastmarkets the likely location is a 1,370 acre site on Route 2 in Apple Grove, in Mason County.

Fastmarkets' daily **steel hot-rolled coil index, fob mill US** was calculated at \$75.72 per hundredweight (\$1,514.40 per short ton) on Tuesday, down by 0.15% from \$75.83 per cwt on January 10 and by 2.44% from \$77.61 per cwt a week earlier.

Special Metals lays off 75 workers amid strike

By Robert England - Tuesday 11 January

Special Metals Corp announced on Friday January 7 that it will lay off 75 employees at its Huntington, West Virginia, specialty steel mill, where a strike of 450 metal workers represented by United Steelworkers (USW) continues into its fourth month.

The layoffs are effective February 7.

The strike began October 1 when the company and USW Local 80 were unable to reach agreement on a new labor contract after the prior contract expired September 30.

Negotiations and picketing were suspended December 23 for the holidays and resumed January 4.

A negotiating session was held on Tuesday January 11, according to a source at the United Steelworkers Local 80 in Huntington.

Local USW president Chad Thompson did not respond to a request for an update on the negotiations at the time of publication.

When the strike began, Thompson told the local media the union was **not able to reach agreement on seniority, health care and wages**.

At the start of the strike **Special Metals implemented contingency plans to keep the plant operating**, according to its parent company Precision Castparts Corp, in Portland, Oregon.

Precision Castparts did not respond to a request for comment and update on negotiations by the time of publication.

The prolonged strike at Special Metals is seen as potentially shifting market share to competitor Allegheny Technologies Inc, according to an investor note January 11 by Gautam Khanna and Jack Ayers at Cowen Research.

Special Metals produces super alloys resistant to high temperatures that are used in aircraft, deep sea drillings rigs and space-related equipment.

Precision Castparts is owned by Warren Buffet's Berkshire Hathaway, **which acquired the company in 2015 for \$37.2 billion**, then the largest acquisition in the conglomerate's history.

US stainless sheet prices highest since 2008

By Robert England - Tuesday 11 January

Stainless steel sheet prices in the United States rose in January to their highest level since 2008 on base price increases and mostly higher alloy surcharges, with supply remaining tight, according to market participants.

Fastmarkets' monthly assessment for **stainless steel 304 cold-rolled sheet, fob mill US** was \$205 per hundredweight (\$4,100 per short ton) on Monday January 10, up 2.50% from \$200 per cwt on December 10 and up by 6.77% from \$192 per cwt on November 10. This is the assessment's highest level since it stood at \$215.62 per cwt in September 2008.

The assessment for **stainless steel 304L cold-rolled sheet, fob mill US** was \$209 per cwt on Monday, up 2.45% from \$204 per cwt on December 10 and up by 6.63% from \$196 per cwt on November 10. This marks the assessment's highest since it was at \$218.62 per cwt in September 2008.

Fastmarkets' assessment for **stainless steel 316L cold-rolled sheet, fob mill US** rose to \$282 per cwt on Monday, up 1.44% from \$278 per cwt on December 10 and up by 5.22% from \$268 per cwt on November 10. The assessment is at its highest since it hit \$294.89 per cwt in November 2008.

Stainless surcharges for January rose by \$1.29-1.55 per cwt for Type 304 product at North American Stainless (NAS), Outokumpu Stainless USA and Cleveland-Cliffs Steel Corp. For Type 316 material, surcharges moved up \$0.54-0.66 per cwt at the same three producers. Surcharges were lower for all product types at Allegheny Technologies Inc.

The latest round of price increases began with a **reduction of functional discounts by 2 percentage points** at NAS, effective from January 1, which sources indicated is roughly equivalent to a price rise of \$3.75-4.00 per cwt.

While Outokumpu had not followed the NAS price increase as of Tuesday January 11, market participants said they expect the company and other stainless producers to announce increases similar to those at NAS, noting a market environment where buyers remain under allocation from the top stainless producers.

"Yes, I believe the price increase went through fine," a Great Lakes distributor



said. "There has been no lead time improvement [with] everyone on allocation."

"Demand remains strong," a northeastern distributor said, adding that lead times remain lengthy at eight to 12 weeks.

Despite persistent domestic supply constraints, this distributor reported that his own inventory remains good because he stocked up on imports during the past year.

"Imports saved the day," he noted.

A midwestern distributor reported strong demand and overall tight supply, saying: "There's not enough stainless steel."

A southern distributor said market conditions remained tight and unchanged from last month.

The mill source said that customer purchases have slowed for about a month and a half, with buyers taking stock of how the switch from tariffs to quotas might affect supply in the US.

"Business is not as brisk, but we're not concerned about any slowdown. We have a healthy order backlog going well into 2022, and lead times remain way out there," the mill source said.

US steel mill shipments down in Nov: AISI

By Abby Verret - Tuesday 11 January

Steel mill shipments in the United States decreased month on month but increased considerably year on year in November, with year-to-date volumes also higher compared with the first eleven months of 2020.

US steel mills shipped 7.89 million net tons in November, down by 3.91% from 8.22 million tons shipped in October but up by 16.89% from 6.75 million tons shipped in November 2020, according to American Iron and Steel Institute (AISI) data released on Monday January 10.

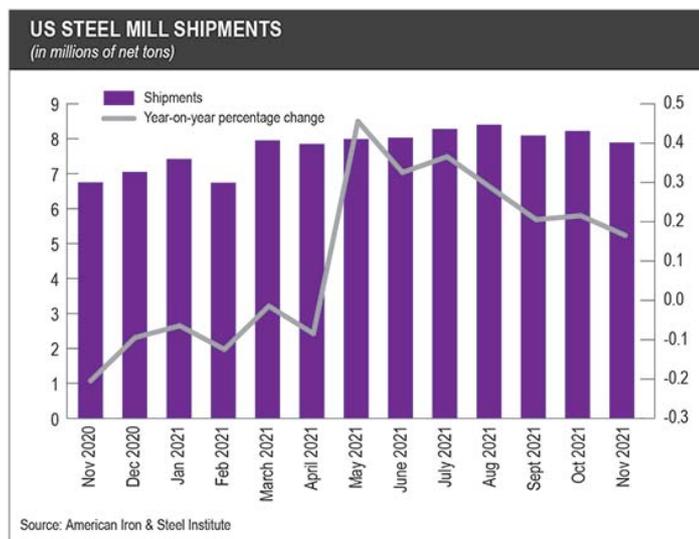
Total shipments for January–November reached 86.85 million tons, 17.44% higher than 73.95 million tons in the same period last year.

Year-to-date shipments of corrosion-resistant sheet and strip, cold-rolled sheet and hot-rolled sheet increased by 20%, 15% and 12% respectively compared with the same period in 2020.

Fastmarkets' assessment for [steel hot-dipped galvanized coil \(cold-rolled base\)](#), fob mill US averaged \$106.50 per hundredweight (\$2,130 per short ton) in November, down by 2.74% compared with \$109.50 in October. That price was last assessed at \$97.50 per cwt on January 6.

The assessment for [steel cold-rolled coil](#), fob mill US averaged \$106 per cwt (\$2,120 per ton) in November, down by 2.75% from \$109 per cwt in October. That price was last assessed at \$98.50 per cwt on January 6.

Fastmarkets' [steel hot-rolled coil index](#), fob mill US averaged \$91.62 per cwt (\$1,832.40 per ton) in November, down by 4.86% from an average of \$96.30 in October. The index was last calculated at \$75.83 per cwt on January 10.



Tianjin's mass Covid-19 testing hammers commodity port ops, transport

By IM Staff - Tuesday 11 January

The roll-out of mass Covid-19 testing in the major Chinese port city of Tianjin has created chaos for the area's logistics, sources told Fastmarkets on Monday January 10.

Tianjin started city-wide mass Covid testing on Sunday after local cases of the Omicron variant were detected in the area.

Testing the nearly 14-million citizens of the city led to delays and some suspended operations at the Port of Tianjin, which is the largest port in northern China and deals with a wide variety of commodity imports and exports.

The impact on metal markets from this dramatic development is still coming into focus, but market participants are keeping a close eye on whether more stringent Covid-19 measures may be implemented in the key port city over the coming weeks.

Container transport halted

From January 9, de-vanning and delivery for container cargoes at Port of Tianjin have both been suspended, sources said.

While bulk cargoes can still flow in and out of the port at the time of writing, bulk shipping has also been slowed down by inefficiencies caused by a lack of manpower and truck shortages, participants added.

All port staff are required to take a Covid-19 test, and the resumption of normal operations depends on testing results, which will take at least 48 hours, market participants told Fastmarkets.

"We have seen some impact on container trading, but no impact on bulk vessels right now. All transportation in land for containers from the port has stopped," a Southern China-based steel importer said on Monday.

"But we still don't know if the situation will get worse and we don't know how long it will last," he added.



Higher freight costs

The Port of Tianjin hosts the majority of the country's chrome ore and manganese ore imports, with current stock levels for chrome and manganese ore estimated at around 1.55-1.72 million tonnes and 3.82-3.95 million tonnes respectively. These account for approximately 60% and 70% of total domestic chrome ore and manganese ore stock, according to market participants.

With concerns that the Covid-19 situation in the city could lead to extended restrictions on transport, ore users are eager to have their cargoes delivered.

But there has been a shortage of available trucks because drivers have to present a negative result from a nucleic acid Covid-19 test take within 48 hours, while many drivers have tried to avoid driving to Tianjin ahead of the approaching of the Lunar New Year beginning on January 31.

These two factors combined have pushed up transport costs.

For single route from the Port of Tianjin to Inner Mongolia, delivery costs have risen by around 20 yuan per tonne to 130-140 yuan (\$20-22) per tonne, according to market participants. One supplier of fused alumina in Henan said that land transport costs have increased by 35-45 yuan per tonne in the past couple of days.

Suppliers of fused alumina and bauxite in Shanxi and Henan, as well as some areas of Shandong who ship out their material mostly via the Port of Tianjin to overseas countries, expressed concern for their export business.

"Costs to Tianjin port has increased and it's getting more difficult to find drivers willing to ship cargoes to Tianjin," a producer of fused alumina in Shandong said.

"The situation is unclear now. Everything has been on halt at the port for mass testing. People are waiting for the mass testing result in the following two days. Shipment could be affected if there were many positive infections," a trader of bauxite in China said.

"Tianjin port is the major export port for magnesium. Given that nucleic acid testing is conducted throughout the city, trucks from other regions cannot enter the city. Trucks that are halfway to Tianjin have to wait with cargoes," a magnesium trader said.

A second magnesium trader told Fastmarkets that all they could do is to wait for the testing results of Tianjin and the anti-epidemic measures thereafter, and then make their arrangements accordingly.

Some sources said magnesium that has already been stored at Tianjin Port warehouses could be sold at higher prices to overseas consumers who are in an urgent need of the materials.

Fastmarkets' weekly price assessment for magnesium, 99.9% Mg min, fob China main ports was \$8,300-8,500 per tonne Friday January 7, up by \$200-300 per tonne (3.1%) from \$8,000-8,300 per tonne a week earlier.

Outlook

Market participants agreed that the outlook was very unclear regarding the shipping situation out of Tianjin for the coming weeks and it will depend heavily on controlling the spread of Covid-19 in the city.

"It remained uncertain what the local government might do should more cases emerge. The worst case scenario would be a total lockdown, including logistics in general which will also impact port operations," a Shanghai-based iron ore trader said.

"Currently, the impact on pricing from the Omicron variant emerging in Tianjin has dampened the earlier bullish sentiment in the iron ore market. [We] will probably have to keep a close eye on this to see if [the] provincial government will further increase restrictions," a Xiamen-based analyst said.

"The impact will depend on if more new Covid-19 cases will be tested, and Tianjin is closer to Beijing, and with the approaching of 2022 Beijing Winter

Olympic Games, more stricter measures are likely to be taken," a northern China based copper scrap trader said.

Kamoa-Kakula to produce 290,000-340,000 tonnes of copper in 2022

By Sally Zhang - Tuesday 11 January

The Kamoa-Kakula copper complex in the Democratic Republic of Congo (DRC) is expected to produce 290,000-340,000 tonnes of copper concentrate in 2022, Ivanhoe Mines said on Monday January 10.

The company has set a guidance of \$1.20-1.40 per pound of payable copper for 2022 cash costs.

The copper project, which was commissioned in May 2021, produced 105,884 tonnes of copper in concentrate last year, exceeding the company's guidance of 92,500-100,000 tonnes.

The project's second phase of expansion is now 80% complete, Ivanhoe said. It **expects to start operations in the second quarter of 2022.**

A third phase of expansion is targeted for 2024, with earthworks to access new mining areas well underway, according to the company.

The copper giant is jointly owned by Ivanhoe (39.6%), China's Zijin Mining (39.6%), Hong Kong-based Crystal River Global Ltd (0.8%) and the government of the DRC (20%).

In late December 2021, Zijin Mining issued an update for its Julong copper project in Tibet, **saying its first phase was expected to produce 120,000-130,000 tonnes of the red metal in 2022.**

Fastmarkets' benchmark copper concentrate **TC/RC** index, cif Asia Pacific - a mid-point between smelter and trader buying levels - was at \$58.70 per tonne/5.87 cents per lb on January 7, up slightly from \$57.70 per tonne/5.77 cents per lb a week earlier.

Tesla in US nickel supply deal at Tamarack with Talon Metals

By Andrea Hotter - Tuesday 11 January

Talon Metals Corp has entered into an agreement to supply Tesla with nickel from the Tamarack project in central Minnesota, marking the auto manufacturer's first supply deal in the United States for the metal used in the batteries for its electric vehicles (EVs), the company said.

According to Talon, which is in a joint venture with miner Rio Tinto to develop nickel-cobalt-copper deposit Tamarack, Tesla has committed to purchase 75,000 tonnes of nickel in concentrate over a six-year period.

This represents a portion of the metals projected to be produced at Tamarack, with Tesla also having a preferential right under the agreement to negotiate the purchase of additional nickel concentrate over and above the initial 75,000-tonne commitment, Talon noted.

The execution of the agreement follows an extensive and detailed due diligence period performed by Tesla and lengthy negotiations between the parties, Talon added.

"This agreement is the start of an innovative partnership between Tesla and Talon for the responsible production of battery materials directly from the



mine to the battery cathode," Talon chief executive officer Henri van Rooyen said.

"Talon is committed to meeting the highest standards of responsible production that is fully traceable and that has the lowest embedded carbon footprint in the industry," he added.

The deal with Tesla is conditional on Talon earning a 60% interest in Tamarack from its current 51% stake, which Talon has the preferential right to do. The project is currently scheduled to begin commercial production by the start of 2026, with initial production of 18,600 tonnes per year.

Drew Baglino, senior vice president of powertrain and energy engineering at Tesla, noted that Talon was working to responsibly produce its nickel, including to permanently store carbon as part of mining operations and the investigation of novel methods of extracting battery materials.

"Responsible sourcing of battery materials has long been a focus for Tesla, and this project has the promise to accelerate the production of sustainable energy products in North America," Baglino added.

Tesla CEO Elon Musk has publicly [called for nickel producers to ramp up output](#) to meet demand for battery raw materials.

In April 2021, Fastmarkets launched a nickel sulfate premium amid strong global demand for EV battery materials. It assessed the [nickel sulfate premium, cif China, Japan and Korea](#) at \$1,900 per tonne on January 4, down from \$2,300 per tonne at the start of the prior month.

The purchase price to be paid by Tesla will be linked to the London Metal Exchange official cash settlement price for nickel. The parties have also agreed to share in any additional economics derived from by-products extracted from the nickel concentrate, such as iron and cobalt.

Base metals

Novelis to build US aluminium recycling center for auto customers

By Andrea Hotter - Tuesday 11 January

Novelis is to build an aluminium recycling center for automotive customers in North America, which will reduce the company's carbon emissions by more than 1 million tonnes per year and enlarge its closed-loop recycling programs, it has said.

The \$365 million investment will create casting capacity for 240,000 tpy of aluminium sheet ingot. It will be built adjacent to Novelis' existing automotive finishing plant in Guthrie in the US state of Kentucky, the company said on Tuesday January 11.

Ground-breaking to commence construction was scheduled for early this year, with commissioning expected in 2024.

Steve Fisher, president and chief executive officer of Novelis, said that the investment would allow the company to continue to increase the amount of recycled content in its products, reduce its carbon emissions and move it closer to carbon neutrality.

"Through closed-loop recycling, the company takes back the aluminium remaining after automotive parts are stamped from sheets, and remakes it into similar product for new vehicle production," the company said.

"The center will also have the capability to process aluminium from vehicles at the end of their lifecycle. Using recycled aluminium as input material requires only 5% of the energy used to make primary aluminium, thus avoiding 95% of the carbon emissions associated with production," it added.

Novelis hoped to reduce its energy intensity by 10% by 2026. It is the world's largest supplier of aluminium sheet to the automotive industry, with a global market share of roughly 50%.

The company opened its automotive finishing plant in Guthrie in October last year. Also in Kentucky, it operates an aluminium beverage can recycling plant in Berea and the Logan Aluminum joint venture in Russellville.

Novelis is based in Atlanta, in the US state of Georgia, and is a subsidiary of aluminium and copper producer Hindalco Industries, which is in turn part of the Aditya Birla Group.

LME off-warrant zinc, nickel stocks build up in November; aluminium decline slows

By Ana de Liz - Tuesday 11 January

There was a small rise in the amount of metal held outside of London Metal Exchange warehouses in November 2021 after three months of decline, according to data recently released by the exchange.

Across all metals, stock volumes rose by 11,780 tonnes throughout November to 447,443 tonnes, as shown in the latest LME off-warrant stock report published on Tuesday January 11.

Nickel stocks dropped by the biggest percentage (57%) among base metals in October, but jumped to 5,866 tonnes in November on a large increase in Europe.

Zinc stocks also increased for a third month in a row, primarily due to a rise in Asian off-warrant stocks. But there was still no off-warrant zinc in Europe, with supply tightness in the region since late summer last year.

Aluminium continued to be the largest component of off-warrant stocks, with 79% of the total globally, but the decrease seen in previous months slowed down in November.

LME OFF-WARRANT STOCK FIGURES

(tonnes)	End of Nov 2021	End of Oct 2021	Change
Aluminium	447,443	448,941	▼ 1,498
Copper	18,945	20,702	▼ 1,757
Nickel	5,866	3,598	▲ 2,268
Lead	1,640	2,940	▼ 1,300
Zinc	92,361	78,465	▲ 13,896
Tin	190	100	▲ 90
Total (including all LME metals)	567,059	555,279	▲ 11,780

Source: London Metal Exchange, compiled by Fastmarkets

The data is released with a one-month delay and reflects stock levels at the end of November 2021.

Key information



Copper

- The volumes of material held outside LME warehouses decreased by 8.5% in November to 18,945 tonnes, from October's figure of 20,702 tonnes.

- Europe continued to be the main hub for off-warrant (as well as on-warrant) copper stocks, at 13,601 tonnes of the total, with that amount increasing by 26.7% from 11,002 tonnes in April.

- Asia's off-warrant stocks were down by one-third, to 2,699 tonnes in November from 4,032 tonnes in the previous month, with the amount in Singapore being completely depleted from 2,855 tonnes in October.

- Similarly, the amount of red metal held outside LME warehouses in the United States fell by 53.3% to 2,645 tonnes in November.

Nickel

- The amount of nickel held off-warrant increased through November to 4,866 tonnes from October's 3,598 tonnes, which was a year-to-date low.

- The biggest increase for nickel outside LME stocks was in Europe, where the amount nearly tripled to 4,045 tonnes - held entirely in Rotterdam - from 1,549 tonnes in October.

- Off-warrant material volumes held in Asia decreased, meanwhile, with levels in Port Klang dropping to just 24 tonnes from 198 tonnes, and the amount held in the rest of the continent, excluding the Malaysian city and Singapore, dropping to 1,725 tonnes.

Aluminium

- The amount of aluminium held outside LME warehouses fell by just 1,498 tonnes in November to 447,443 tonnes, with the decrease in the metal slowing down from previous months. In October, for example, the decline was by 19.6%.

- This came despite a slight rise in Asian off-warrant stocks, which were up by 1,282 tonnes to 358,079 tonnes in November.

- The uptick in Asia was mostly perceived outside the cities of Port Klang and Singapore, with off-warrant aluminium volumes in the rest of the continent rising by 6% to 96,166 tonnes in November.

- In Europe, aluminium volumes held outside the LME decreased slightly in locations beyond Rotterdam, bringing down the volume in the region, with a fall also seen in the United States, by 6% to 41,067 tonnes, a year-to-date low for the country.

LME OFF-WARRANT STOCK REPORTING - NOVEMBER 2021 (tonnes)

Location	Aluminium	Copper	Nickel	Lead	Tin	Zinc
Port Klang	196,820	58	24	0	190	726
Singapore	65,093	0	12	275	0	80,749
Rest of Asia	96,166	2,641	1,785	1,328		2,857
Total Asia	358,079	2,699	1,821	1,603	190	84,332
Rotterdam	47,620	12,101	4,045	12	0	0
Rest of Europe	677	1,500	0	25	0	0
Total Europe	48,297	13,601	4,045	37	0	0
Total USA	41,067	2,645	0	0	0	8,029
GLOBAL TOTAL	447,443	18,945	5,866	1,640	190	92,361

Source: London Metal Exchange, compiled by Fastmarkets

Minor metals

Trade log: Cobalt alloy grade, in-whs Rotterdam, \$/lb

By pricing@fastmarkets.com - Tuesday 11 January

The Cobalt alloy grade, in-whs Rotterdam, \$/lb trade log including business, bids and offers reported to Fastmarkets.

Fastmarkets publishes trades logs for its key price assessments and indices to bring more transparency into the markets it covers and the pricing process it applies.

Fastmarkets assessed Cobalt alloy grade, in-whs Rotterdam, \$/lb at 34.00-34.40 on Tuesday January 11, 2022.

- Prices indicated at \$33.95-34.30
- Prices indicated at \$33.95-34.30
- Prices indicated at \$34.00
- Prices indicated at \$34.00-34.50
- Prices indicated at \$34.00-34.50
- Prices indicated at \$34.10-34.50
- Prices indicated at \$34.00-34.50
- Prices indicated at \$34.10-34.60

Any data submitted under a Data Submitter Agreement (DSA) will not be published.

To see all Fastmarkets' pricing methodology and specification documents, go to <https://www.fastmarkets.com/about-us/methodology>.

Fastmarkets uses its expert judgment to exclude outlying or unrepresentative numbers, and discount or discard prices that it believes may otherwise be questionable and/or unreliable.

Trade log: Cobalt standard grade, in-whs Rotterdam, \$/lb

By pricing@fastmarkets.com - Tuesday 11 January

The Cobalt standard grade, in-whs Rotterdam, \$/lb trade log including business, bids and offers reported to Fastmarkets.

Fastmarkets publishes trades logs for its key price assessments and indices to bring more transparency into the markets it covers and the pricing process it applies.

Fastmarkets assessed Cobalt standard grade, in-whs Rotterdam, \$/lb at 34.00-34.40 on Tuesday January 11, 2022.

- Sale at \$34.10 for small tonnage
- Sale at \$34.15 for standard tonnage
- Sale at \$34.30 for small tonnage
- Sale at \$34.40 for standard tonnage
- Offer at \$34.00 for small tonnage
- Offer at \$34.25 for small tonnage
- Offer at \$34.50 for standard tonnage
- Offer at \$34.75 for large tonnage
- Bid at \$34.35
- Prices indicated at \$33.95-34.30
- Prices indicated at \$33.95-34.30
- Prices indicated at \$34.00
- Prices indicated at \$34.00-34.50
- Prices indicated at \$34.00-34.50
- Prices indicated at \$34.00-34.50
- Prices indicated at \$34.10-34.50
- Prices indicated at \$34.10-34.60
- Deal heard at \$33.75 for standard tonnage (discarded - offgrade)

Any data submitted under a Data Submitter Agreement (DSA) will not be published.

To see all Fastmarkets' pricing methodology and specification documents, go to <https://www.fastmarkets.com/about-us/methodology>.

Fastmarkets uses its expert judgment to exclude outlying or unrepresentative numbers, and discount or discard prices that it believes may otherwise be questionable and/or unreliable.

Ores and alloys

Fastmarkets AMM: Ferro-alloys January 11

By Chris Kavanagh - Tuesday 11 January

The latest ferro-alloys prices from Fastmarkets price reporters.

GLOBAL FERRO-CHROME AND CHROME ORE PRICES			
	New price	Previous price	% Change
Ferro-chrome high carbon 6-8.5% C, basis 60-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	1.73-1.95	1.72-1.92	▲1.1
Ferro-chrome, high carbon, 6-8.5% C, basis 65-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	1.28-1.50	1.41-1.50	▼4.8
Ferro-chrome, high carbon, 6-8.5% C, basis 60-64.9% Cr, max 3% Si, of Europe, \$/lb Cr	2.10-2.25	2.05-2.25	▲1.4
Ferro-chrome high carbon 6-8% C, basis 60-65% Cr, max 2% Si, in-whs Pittsburgh, \$/lb	1.07	1.07	0.0
Ferro-chrome 50% Cr import, of main Chinese ports, \$/lb contained Cr	1.06-1.08	1.19-1.21	▼10.8
Ferro-chrome high carbon 57-65% Cr, of dup Japan, \$/lb	1.05-1.07	1.17-1.19	▼10.2
Ferro-chrome high carbon 57-65% Cr, of dup South Korea, \$/lb	8,200-8,500	8,100-8,400	▲1.2
Ferro-chrome spot 6-8% C, basis 50% Cr, ddp China, yuan/tonne	1.72	1.71	▲0.6
Ferro-chrome lumpy Cr benchmark indicator, charge basis 52% (and high carbon), Europe, \$/lb	171	171	0.0
Chrome ore South Africa UG2 concentrates index basis 42%, of China, \$/tonne	300-310	300-310	0.0
Chrome ore Turkish lumpy 40-42%, of main Chinese ports, \$/tonne			

Source: Fastmarkets

China

- The spot ferro-chrome market showed an upward trajectory for the first time since mid-October, with suppliers raising their offers after previous price falls reduced their profit margins; some producers in southern regions who could not bear the high production costs had to cut production.
- Market sentiment also strengthened amid improved stainless steel performance in recent weeks.
- The turning point in the domestic market has capped the downtrend on the imported charge chrome market, despite quiet spot trading.
- The UG2/MG market was unchanged, with little activity reported from either the buy or sell side.
- Turkish lumpy prices also remained stable in thin trading.

Europe

- High carbon ferro-chrome prices, basis 65-70% Cr, ticked up in the week to January 11 after more market participants returned to work following the holiday period.
- Demand from European buyers has increased, sources said.
- High electricity prices also continue to be an issue for some producers, which looks likely to continue in the coming weeks.
- Meanwhile, high carbon ferro-chrome, basis 60-64.9% appears weaker amid an apparent lack of buying interest.

Japan and South Korea

- These markets are assessed every two weeks. The table shows the latest price from December 30, 2021 compared with the previous session. Fastmarkets will next assess these markets on January 13.

United States

- The US high carbon ferro-chrome market strengthened in the week to Thursday January 6 amid a slight uptick in spot trading over the period.
- Thin spot availability continues to prop up pricing; suppliers were able to garner higher prices on small-tonnage spot transactions.
- Market participants suspect prices will maintain these elevated levels over the near term, with the supply situation unlikely to dissipate.

Upward trajectory emerges in Chinese spot FeCr markets; high carbon prices tick up in Europe and US

By Chris Kavanagh, Siyi Liu, Claire Patel-Campbell - Tuesday 11 January

An overview of the chrome ore and alloy markets and their latest price moves globally in the week ended Tuesday January 11.



Steel

USS to add EAFs in Ark to form 'mega-mill'

By Dom Yanchunas - Tuesday 11 January

US Steel said it will add steelmaking operations at Osceola, Arkansas, combining with the existing Big River Steel division to form "a 6.3-million-ton mega-mill" with new endless casting and rolling technology.

The new steel capacity will include two electric-arc furnaces (EAFs) totaling 3 million tons annually, US Steel said in a news release on Tuesday January 11.

Equipment will include "a state-of-the-art endless casting and rolling line and advanced finishing capabilities." The endless casting and rolling system will be the first in the United States.

The Pittsburgh-based steelmaker said the permitting process has begun en route to a groundbreaking in the first quarter of 2022 and full operation anticipated in 2024.

"With its extraordinarily low-cost structure, energy efficient production equipment and advanced capabilities, this \$3-billion project will yield significant benefits to our customers, stockholders, communities, employees, and contribute to a more sustainable world," US Steel president and chief executive officer David B Burritt said in the statement.

Kyrgyzstan imposes temporary ban on ferrous scrap exports beyond EAEU

By Elina Virchenko - Tuesday 11 January

Kyrgyzstan is to impose a six-month ban on the export of ferrous scrap, falling under international customs code HS 7204, to regions outside the Eurasian Economic Union (EAEU).

The decision was published on the official website of the EAEU on January 3, the order having been signed by Akylbek Zhaparov, the chairman of the Cabinet of Ministers of the Kyrgyz Republic on December 24, 2021.

The ban comes into force on Saturday January 15, Fastmarkets understands.

The measures have been imposed to support domestic ferrous scrap consumers. According to the public discussion announcement on the website of the Ministry of Economy & Commerce of the Kyrgyz Republic, these include rebar and wire rod producer Metall-Ken, which started operations in April 2021 and has a total capacity of about 300,000 tonnes per year; the currently idle Kaindinsky cable plant, which plans to construct a steelmaking plant; the foundry product manufacturer Vulkan Plus.

The five full members of the EAEU are Russia, Belarus, Armenia, Kazakhstan, and Kyrgyzstan.

Most of the 74,881.54 tonnes of scrap exported from Kyrgyzstan in 2020 went to non-member Uzbekistan, which imported around 60,265 tonnes, with Russia taking some 13,998 tonnes of the remainder, according to Fastmarkets data.

Kyrgyzstan follows in the footsteps of other EAEU countries that already have export restrictions on scrap. Russia raised its steel scrap export duty to €100 (\$113.28) per tonne in November 2021, while Armenia, Belarus and Kazakhstan also have scrap export bans in place.

Mexican steel scrap market rises, detaches from US trend

By Felipe Peroni - Tuesday 11 January

Ferrous scrap prices in Mexico maintained their positive momentum in the first week of the year, detaching from falling prices in the United States.

Major steelmakers in the Bajío region and in the region around northeastern Monterrey city have increased their buying prices for scrap to secure supply and maintain their inventory levels in the first weeks of the year.

"Demand for scrap is usually higher early in the year, with many buyers increasing production," a source in the Mexican market said.

In Mexico's two main scrap markets, Fastmarkets' weekly assessments increased for five grades and were stable for the other five.

Fastmarkets assessed the [steel scrap No1 heavy melt, consumer buying price, delivered mill Bajío](#) at 8,200 pesos (\$400) per tonne on Tuesday January 11, up by 200 pesos per tonne from 8,000 pesos per tonne a week before.

The corresponding weekly assessment of the [steel scrap No1 busheling, consumer buying price, delivered mill Bajío](#) was stable at 11,050 pesos per tonne.

Meanwhile, Fastmarkets' weekly assessment of the [steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Monterrey](#) was up by 300 pesos per tonne, to 10,300 pesos per tonne, from 10,000 pesos per tonne earlier.

And the weekly [steel scrap No1 busheling, consumer buying price, delivered mill Monterrey](#) was assessed unchanged at 10,950 pesos per tonne.

Some scrap sellers have been reporting limited upside for No1 busheling, with few buyers committing to large volumes of the material.

In the United States prices nosedived in the January settlements, with prices in Chicago settling at \$60-70-per-gross-ton discounts from December prices.

Buyers of scrap in Mexico are expected to apply pressure to decrease prices if the negative trend persists in the US.

"Buyers will use this opportunity to try to reduce prices," a second source said.

HRC prices mostly flat; spot buyers inactive

By Dom Yanchunas - Tuesday 11 January

Prices for hot-rolled coil in the United States were little-changed after more distributors said they are not interested in booking spot material right now.

Fastmarkets' daily [steel hot-rolled coil index, fob mill US](#) was calculated at \$75.72 per hundredweight (\$1,514.40 per short ton) on Tuesday January 11, a slight 0.15% decrease from \$75.83 per cwt on Monday January 10 and down by 2.44% from \$77.61 per cwt a week ago.

Fresh inputs were collected in the distributor sub-index in a range of \$70-80 per cwt, representing general indications of current spot market pricing. Inputs were carried over in the producer and consumer sub-indices due to a lack of liquidity there.

**Heard in the market**

Lead times have been reported to be approximately three to four weeks. Sources said service centers and other buyers are more interested in reducing their inventories-on-hand instead of ordering new spot material. As a result, most sources said HRC prices are likely headed lower, especially with import offers in the low- to mid-\$60s per cwt.

Order books continue to look tepid as January progresses, and some sources predicted that domestic mills are likely to take strategic outages to curtail output in the hopes of holding prices in the \$70s per cwt.

Quote of the day

"The order book is weak at every level. Distributors are cutting prices in our marketplace, and everyone is looking for orders. The mills have caught up on all their orders and are trying to ask for orders, but are not willing to talk price," an East Coast distributor said. "Everyone is overstocked and will sell off their inventories before placing new orders."

EU HRC spot prices stable in slow market; some automotive contracts settled

By Maria Tanatar - Tuesday 11 January

Domestic prices for steel hot-rolled coil were fairly stable in Northern Europe and Italy on Tuesday January 11, with market activity remaining slow after the year-end holiday season, market sources told Fastmarkets.

Increasing energy costs and the settlement of some long-term contracts with the automotive industry, however, have prompted some buyers to believe that European steelmakers will soon attempt to increase their prices.

Negotiations for long-term contracts between end-consumers, including the automotive sector, and European flat-steel producers have dragged on from the start of the fourth quarter of 2021 into January this year.

This was largely due to significant year-on-year price rises and the uncertainty surrounding automotive steel demand caused by the global semiconductor shortage.

As a result, spot buyers have been holding back from making new deals, preferring to wait until long-term agreements are settled.

In the second week of January, market sources have reported some agreements being reached with end-consumers and prices having moved up by about €500.00 (\$566.42) per tonne year-on-year.

Energy prices have increased substantially in Europe, resulting in high production costs for steelmakers and downstream coil processors. Two sources said that an Italian steelmaker intended to cut its output due to the surge in energy prices.

These factors, which should support the recovery of coil prices, could be offset by reduced demand from the automobile industry, given that the short supply of semiconductors is likely to remain an issue. Some competitive import offers have been heard in the market as well.

Fastmarkets calculated its daily [steel hot-rolled coil index, domestic, exw Northern Europe](#), at €905.00 per tonne on Tuesday, up by €1.67 per tonne from €903.33 per tonne on January 10.

The index was up by €2.50 per tonne week on week but down by €14.35 per tonne month on month.

The calculation was based on achievable prices indicated by market participants and offers heard at €900-910 per tonne ex-works.

Import offers in Northern Europe have been heard at €835 per tonne cfr Antwerp.

Fastmarkets calculated its corresponding daily [steel HRC index, domestic, exw Italy](#), at €813.75 per tonne on January 11, up by €1.25 per tonne from €812.50 per tonne on January 10.

But the Italian index was down by €2.92 per tonne week on week and by €36.25 per tonne month on month.

The calculation was based on achievable prices heard at €800-820 per tonne ex-works and offers reported at €830 per tonne ex-works.

Offers of HRC from India, Turkey and Asia have been heard at €770-780 per tonne cfr Italian ports.

HRC import prices to UAE fall, but Saudi Arabia import prices increase

By Serife Durmus - Tuesday 11 January

Prices for hot-rolled coil imports to the United Arab Emirates decreased with new deals, while Saudi Arabia HRC import prices increased during the week ending Tuesday, January 11, sources told Fastmarkets.

Increasing prices in Saudi Arabia was because imports were for 1.2mm thickness, which is a comparatively rare product.

There was also a ship shortage; some buyers in Saudi Arabia are still waiting for their November-production orders to be shipped, sources told Fastmarkets.

"There is huge shortage of ships for both bulk and container-based deliveries. The shortage is worse when you want your product delivered to a smaller port because it is very hard to fill one ship. Shipping cost and time is the issue for steel sector in Saudi Arabia, rather than steel prices," one trader said.

Saudi Arabia

Taiwan sold 1.2mm thick hot-rolled coil at \$915-920 per tonne cfr Saudi Arabia (Jeddah) during the week, which normalizes to about \$815-820 per tonne cfr for 2mm base product.

Another deal was heard from Taiwan at \$935 per tonne cfr for 1.2mm thickness during the week.

China offered 1.2mm thick HRC \$940 per tonne cfr. The price normalizes to about \$840 per tonne cfr for 2mm thickness.

Fastmarkets' weekly price assessment for [steel HRC, import, cfr Saudi Arabia](#) was \$815-835 per tonne on January 11, rising from \$790-830 per tonne January 4.

UAE

Japan offered HRC at \$740 per tonne cfr UAE during the week, decreasing from the deal price of \$765-770 per tonne cfr [heard late in December](#).

India sold 2mm thick HRC at \$750-760 per tonne cfr UAE.

One buyer in the UAE assessed HRC import price into the country at \$770-780 per tonne cfr for the next orders to be placed.

Fastmarkets' weekly price assessment for [steel HRC, import, cfr Jebel Ali, UAE](#) was \$740-770 per tonne on January 11, falling from \$765-820 per tonne on January 4.

Hot-dipped galvanized coil import prices to the UAE remained stable on a lack of activity during the week.



The price assessment for [steel HDG, import, cfr Jebel Ali, UAE](#) was unchanged at \$1,075-1,140 per tonne on Tuesday.

The cold-rolled coil import market was also slow in the country, with no new prices heard.

The weekly price assessment for [steel CRC, import, cfr Jebel Ali, UAE](#) was \$870-910 per tonne on January 11, unchanged week on week.

Republic raises SBQ prices \$60-70/ton

By Robert England - Tuesday 11 January

Republic Steel will raise base prices on all sizes of carbon, alloy and leaded grades of hot-rolled bar and coil by \$60 per ton effective with shipments on Tuesday February 1, the company said in a price notice issued on January 11.

The company also notified customers in a separate price notice on Tuesday that it is increasing prices on all cold-finish bar and wire products by \$70 per ton with any new orders. Existing orders will be price protected if shipped prior to February 1.

The monthly material cost surcharge, alloy and fuel surcharges will remain in effect for both hot-rolled and cold-finish products and represent additional costs added to base prices.

Fastmarkets' monthly assessment for [steel bar hot-rolled special bar quality 1-inch round 1000 series \(carbon\), fob mill US](#) was \$70 per hundredweight (\$1,400 per short ton) on December 17, down by 0.71% from \$70.50 per cwt on November 19 but up by 0.72% from \$69.50 per cwt on October 15.

Fastmarkets' monthly assessment for [steel bar cold-finished 1-inch round 1018 \(carbon\), fob mill US](#) was at \$91 per cwt on December 17, up by 0.55% from \$90.50 per cwt on November 19 and by 2.54% from \$88.75 per cwt on October 15.

UAE rebar prices fall on lack of demand

By Serife Durmus - Tuesday 11 January

Steel rebar prices in the United Arab Emirates fell in the week to Tuesday, January 11, because of a lack of market activity, sources told Fastmarkets.

Buying was weak due to buyer uncertainty about the direction of prices globally, they said.

Buyers in Singapore, however, booked more than 50,000 tonnes of UAE-origin rebar at \$700-703 per tonne cfr, Fastmarkets understands.

Domestic rebar

The country's biggest rebar producer Emirates Steel rolled over its official rebar offer price of 2,490 dirhams (\$678) per tonne ex-works on December 28 and that price is still valid.

But rebar was actually on offer from long steelmakers in the UAE at 2,400-2,450 dirhams (\$653-667) per tonne ex-works this week.

Fastmarkets' [weekly price assessment for steel reinforcing bar \(rebar\), domestic, exw UAE](#) was 2,400-2,450 dirhams per tonne on January 11, down from 2,443-2,470 per tonne on January 4.

Billet imports

The import market for billet was very weak, with no new offers or bids heard.

Fastmarkets' [weekly price assessment for steel billet, import, cfr Jebel Ali, UAE](#) was unchanged at \$580-620 per tonne on January 11.

Rebar imports

Oman sold rebar at 2,390 dirhams (\$651) per tonne cpt UAE in the week to Tuesday.

Rebar offers from Oman came in at 2,424-2,435 dirhams per tonne cpt.

And the [weekly price assessment for steel reinforcing bar \(rebar\), import, cfr Jebel Ali, UAE](#), on a theoretical-weight basis was \$651-660 per tonne on January 11, narrowing from \$649-667 per tonne on January 4.

Import shredded scrap prices in India up on higher offers, trading muted

By Vlada Novokreshchenova - Tuesday 11 January

Import shredded scrap prices continued to rise in India in the week to Tuesday January 11 amid higher offers available in the market. Trading activity was muted, however, because customers were targeting lower levels.

Fresh offers were heard within the range of \$535-550 per tonne cfr early this week, against \$515-530 per tonne cfr in the second half of last week.

Prices increased amid improved demand in such major markets as Turkey, Vietnam and Taiwan.

For example, Fastmarkets' calculation of its [daily index for steel scrap, HMS 1&2 \(80:20 mix\), North Europe origin, cfr Turkey](#) rose to \$464.71 per tonne on Monday, up by \$13.83 per tonne from \$450.88 per tonne on January 4, following a number of fresh deals done at higher prices.

Customers in India, however, remained quiet, placing bids for import shredded scrap at \$525 per tonne at most.

"Interest is at \$525 per tonne cfr maximum among very few mills; the rest are bidding closer to \$500 cfr per tonne," one market source said.

The mismatch between offers and bids resulted in a lack of trading activity.

Fastmarkets' calculation of the [steel scrap, shredded, index, import, cfr Nhava Sheva, India](#), however, moved up by \$5.47 per tonne to reach \$531.67 per tonne on Tuesday amid higher offer prices.

CIS steel billet prices rise on higher offers

By Vlada Novokreshchenova - Tuesday 11 January

Prices in the Commonwealth of Independent States export billet market increased on Tuesday January 11 amid higher offers announced by mills. The move by suppliers was driven by growing scrap costs in the global market, Turkey in particular, which resulted in higher finished long steel offer values.

Fastmarkets' daily [steel billet index, export, fob Black Sea, CIS](#), rose to \$603 per tonne on Tuesday, up by \$8 per tonne from \$595 per tonne a day earlier.

Fresh offers from CIS suppliers varied within a range of \$600-620 per tonne fob Black Sea, compared with \$600-605 per tonne fob in late December.

The lower end of the range reflected offers from a Ukraine-based supplier, which was considered rather low by some market sources.



A source on the trader side said that today it is possible to ask above \$600-605 per tonne fob.

Russian mills were seeking \$610-620 per tonne fob Black Sea, sources told Fastmarkets.

New higher levels have not been fixed in deals yet because customers in most destinations were cautious, preferring to see more clarity in the semis and finished long steel markets.

But several sources said that \$635-645 per tonne cfr (equivalent to \$600-605 per tonne fob Black Sea) could be achieved in Turkey, where import scrap prices had increased lately, pushing finished long steel offers higher.

Fastmarkets' calculation of its daily [index for steel scrap, HMS 1&2 \(80:20 mix\), North Europe origin, cfr Turkey](#) rose to \$464.71 per tonne on Monday, up by \$13.83 per tonne from \$450.88 per tonne on January 4, following a number of fresh deals done at higher prices.

And Fastmarkets' weekly price assessment for [steel reinforcing bar \(rebar\), export, fob main port Turkey](#), was \$690-700 per tonne on January 6, narrowing upward by \$10 per tonne from \$680-700 per tonne on December 30.

Turkish steel producers go quiet in deep-sea markets again

By Cem Turken - Tuesday 11 January

Turkish steel mills have skipped the second working day of the week with no deep-sea scrap import trade following the latest upturn in the prices, sources told Fastmarkets on Tuesday January 11.

The most recent trading activity was at the end of last week, when a steel mill in the Marmara region booked a Canadian cargo comprising shredded, and plate and structural scrap (P&S) at an average price of \$490 per tonne cfr and another steel mill in the same region booked a United States cargo comprising HMS 1&2 (80:20) at \$472 per tonne and shredded at \$492 per tonne cfr.

These transactions caused a \$3.12-per-tonne increase in the daily scrap indices at the [beginning of the week](#).

Another deep-sea cargo deal from last week also came to light on Tuesday January 11.

A steel mill in the Izmir region booked a European cargo at \$463.50 per tonne cfr on HMS 1&2 (80:20) basis. The cargo also contained shredded and bonus scrap, but the composition was not clear at the time of publication.

Due to the lack of fresh trading, the daily scrap indices remained flat on Tuesday January 11.

Fastmarkets' calculation of its daily [index for steel scrap, HMS 1&2 \(80:20 mix\), North Europe origin, cfr Turkey](#) was \$464.71 per tonne on Tuesday, unchanged day on day.

Fastmarkets' corresponding index for [steel scrap, HMS 1&2 \(80:20 mix\), US origin, cfr Turkey](#) was \$473 per tonne on January 11, also static day on day, leaving the premium for US-origin material over European scrap at \$8.29 per tonne.

Overall demand for deep-sea steel scrap was limited because mills continued to struggle with poor steel sales.

"There might be few more deep-sea scrap cargo deals in the coming days, but the market will not support further [activity]. The finished long steel sales

are still weak. We may see two to three cargoes. But the mills will probably go into wait-and-see mode again," a Turkish mill source said.

US crude steel production rebounds slightly

By Fastmarkets AMM staff - Tuesday 11 January

Crude steel production in the United States totaled 1,813,000 net tons for the week ended Saturday January 8, 2022, up by 1.57% from 1,785,000 tons the previous week, with mills operating at an average capacity utilization rate of 82.30%.

In the corresponding week last year, mills produced 1,736,000 tons at an average capacity utilization rate of 76.60%, according to the American Iron and Steel Institute, Washington.

Mills have produced an adjusted 2,068,000 tons thus far this year at an average capacity utilization rate of 82.20%, up by 4.23% from 1,984,000 tons at an average capacity utilization rate of 76.60% in the same period last year.

STEEL OUTPUT			
Week ended	Net tons in thousands	Capacity utilization	
January 1	1,785	80.9	
January 8	1,813	82.3	
Year to date*	2,068	82.2	
Year ago to date*	1,984	76.6	
* Reflects AISI adjustments.			
STEEL PRODUCTION BY DISTRICTS (in thousands of net tons)			
	Jan 8, 2022	Jan 1, 2022	Dec 25, 2021
Northeast	179	183	180
Great Lakes	620	629	636
Midwest	200	197	198
Southern	735	707	718
Western	79	69	70
Total	1,813	1,785	1,802
Source: American Iron and Steel Institute.			

CIS export flat steel market still quiet after year-end; buyers pessimistic

By Marina Shulga - Tuesday 11 January

The export market for flat steel from the Commonwealth of Independent States was calm during the week to Monday January 10 because suppliers have not yet returned to activity after their year-end holidays, while buyers remained pessimistic because of soft local markets.

Fastmarkets' weekly price assessment for [steel hot-rolled coil, export, fob Black Sea, CIS](#), was \$760-770 per tonne on Monday, [unchanged week on week](#).

Suppliers have not announced new offer prices and were preparing to come back to the market next week.

"The market is silent," one buyer said. "[Russian steelmaker] MMK [Magnitogorsk Iron & Steel Works] says that it has maintenance [to



undertake] but others say that they are out of allocation and that we should check again with them in late January.”

One Russia-based trader told Fastmarkets that the country's suppliers were well booked with local orders and would have less material than usual available for exports with late February-March shipment.

Meanwhile, estimates of the market level among buyers in Turkey were around \$780 per tonne cfr, equivalent to \$750 per tonne fob. That was down from \$780-790 per tonne cfr, or \$750-760 per tonne fob, a week earlier on expectations of a price decline in the local Turkish market, sources said.

But no trading activity has yet been reported in the market this year.

Fastmarkets' weekly price assessment for [steel cold-rolled coil, export, fob Black Sea, CIS](#), was \$895-905 per tonne on Monday, stable week on week.

And the price assessment for [steel heavy plate, 8-50mm, export, fob Black Sea, CIS](#), was also unchanged on January 10 at \$830-835 per tonne.

India removes anti-dumping duty on HRC, CRC imports

By Suresh Nair - Tuesday 11 January

The Indian government has removed the anti-dumping duties that had been levied on the country's imports of hot- and cold-rolled coil.

In a notification on Monday January 10, India's ministry of finance said that it has not accepted the recommendations of a sunset review of the anti-dumping duties.

In that review, the Directorate General of Trade Remedies (DGTR) had recommended a continuation of the levies on HRC and CRC imports into India from China, Japan, South Korea, Indonesia, Brazil and Russia.

The government decided in June last year to extend these duties until December 15, 2021, pending the findings of the sunset review. The recommendations of the review were notified by DGTR on September 14.

The threshold for the levying of anti-dumping duty on HRC was set at \$489 per tonne cfr, and at \$576 per tonne cfr for CRC.

HRC and CRC imported below those prices were subject to levies equivalent to the difference amount in the form of anti-dumping duty.

The withdrawal of the anti-dumping duties will have no immediate effect on imports of HRC and CRC into India, market sources said, because the current costs of such imports were far higher than the recommended duty thresholds.

Fastmarket's latest price assessment for [steel HRC, import, cfr main port India](#), was \$760-775 per tonne on December 7.

The corresponding price assessment for [steel CRC, import, cfr main port India](#), was \$800-810 per tonne on the same day.

Taiwan enters import steel billet market; Philippines users slowed by Covid spread

By Lee Allen - Tuesday 11 January

Taiwanese importers have taken the lead in the Southeast Asian steel billet markets in recent days, purchasing a handful of cargoes, while the key Philippines market battles with another spike in Covid-19 infections, Fastmarkets heard on Tuesday January 11.

Cargoes of Japan-origin high-vanadium steel billet were sold at \$660-665 per tonne cfr Taiwan late last week for shipment in late February or March, sources said, with the total volume transacted heard to be 6,000 tonnes.

Indonesia-origin 5sp 150mm blast furnace (BF) steel billet was also heard sold at \$625 per tonne cfr Taiwan in recent days. A buyer in Taiwan was heard to be bidding \$610 per tonne cfr for 5sp billet.

A deal for an 8,000-tonne cargo of Southeast Asia-origin 5sp billet was closed at \$634 per tonne cfr Indonesia last week, but no details were available at the time of publication about the mill which produced the cargo.

Offers of Indonesian 150mm BF billet have risen by \$10 per tonne in recent days to \$625 per tonne cfr China, compared with an [offer of \\$615 per tonne cfr China for 3sp 150mm billet one week ago](#), sources said.

Offers of Malaysia-origin 5sp billet were heard at \$660 per tonne cfr Indonesia this week, while Iran-origin billet was offered at \$615 per tonne cfr Indonesia.

Indian 3sp BF billet was last heard offered at \$590-600 per tonne fob, with an estimated \$50 per tonne in freight costs to China for 30,000 tonnes.

Philippines hurt by Covid-19

The key Philippines import billet market was held back at the beginning of the week by rising numbers of Covid-19 cases in the nation.

The Philippines reported 33,169 new Covid-19 cases on Monday, the third straight daily record high number, with a surge in omicron variant infections.

Fastmarkets' price assessment for standard 5sp 120-150mm [steel billet, import, cfr Manila](#), was \$625-630 per tonne on Tuesday, unchanged day on day but widening downward by \$5 per tonne week on week from \$630 per tonne.

No further deals were heard done to the Philippines after 100mm 3sp Russian Far East billet was sold last week at \$620 per tonne cfr Manila, which was [reported by Fastmarkets on Friday](#).

The rise in offer prices pushed through by the Indonesian mill surprised a Philippines trading source, who lamented the current level of demand in the Manila market.

"I seriously wonder where that sense of optimism is coming from while the world continues to grapple with galloping [Covid-19] infection rates," the trader said on Tuesday.

"Many customers have been forced to shut down their operations and offices because of outbreaks," he added. "In terms of its effect on business, [however,] this wave is not as severe as the strict lockdown in early 2020 - not yet, anyway."

A second Philippines trading source said that some steel re-rollers had not yet restarted operations for the new year, and some bank branches had been forced to close because of the virus spread, but he said that the principal problem would be staffing numbers in the construction sector.



"There is not enough manpower for some projects, and this will surely affect demand," the second trader said on Tuesday.

Chinese views mixed ahead of new year

Chinese market participants were divided over the direction the country's import billet market would take this week, with prices remaining largely firm despite a worsening logistics situation in the northern Chinese port of Tianjin, caused by a [mass-testing regime for Covid-19](#) that started on Sunday.

On Monday, steel rebar futures in China were hit by the [release of data showing high production figures](#), although steel billet prices in the Tangshan market rose by 50 yuan (\$8) per tonne over the weekend because of low inventory in the spot market.

But most market participants polled said that workable prices in the country had dipped slightly in the first two days of this week, compared with the levels seen on Friday, with a change in trading patterns ahead of the upcoming lunar new year holiday, which will begin on January 31.

Fastmarkets' price assessment for 3sp-grade [steel billet, import, cfr China](#), was \$605-615 per tonne on Tuesday, up by \$5 per tonne week on week, but down by \$5 per tonne from \$610-620 per tonne cfr on Friday.

"The re-rollers who are exporters have already finished their tendering processes before the Chinese new year. And export orders that are further out in time will not get traded at the moment," a Chinese trading source told Fastmarkets on Tuesday.

"So the imported billet demand is slowing down as we approach the new year period," he added.

A Japanese trading source had a similar view.

"The Chinese market is looking at cheaper bids of \$605-610 per tonne cfr this week, but we should consider that last deal at \$615 per tonne cfr China as being the [latest] benchmark," he said.

"In mid-January, the Chinese steel market will go down, [and] inventories will increase in China because sales by stockists will be declining ahead of the Chinese new year," he added.

A major Chinese billet importer source said that the decline in the futures market on Monday meant that he would only be able to pay \$605 per tonne cfr China for 3sp billet on Monday, down from \$610-615 per tonne cfr on Friday.

A representative of a Chinese steelmaker said on Tuesday that although \$610 per tonne cfr China would be a workable price for buyers, there would not be any sellers at that price.

Following the publication of Fastmarkets' cfr China billet price at 6pm Singapore time on Tuesday, a second Chinese billet importer source commented that, due to the rise in futures prices on Tuesday, he would now consider paying \$620-625 per tonne cfr China for 3sp billet.

Scrap prices in China surge on tighter domestic supplies ahead of Chinese New Year

By Paul Lim, Tianran Zhao - Tuesday 11 January

Buyers in China increased their bids for imported steel scrap amid tightening domestic supplies ahead of the Chinese New Year, market participants told Fastmarkets on Tuesday January 11.

- Import spot prices in China jump with higher bids heard from buyers
- Tight China domestic scrap supply likely to raise local prices
- Sentiment in Taiwan bullish amid rising iron ore and coking coal prices

China

Spot prices for imported scrap in China surged on Tuesday January 11 amid tight domestic supplies of the material, sources said.

Fastmarkets' calculation of the [steel scrap, index, heavy recycled steel materials, cfr north China](#), was at \$521.55 per tonne on Tuesday, up by \$13.55 per tonne compared with \$508 per tonne last Friday.

The highest bid for imported HRS101-grade scrap was heard at \$540 per tonne cfr on Monday from a major steel mill based in eastern China. Other market participants were heard bidding at \$505-530 per tonne cfr northern China on Tuesday, sources said.

"Scrap supplies are already tight and are highly likely to be tighter as we approach the Chinese New Year. [And] the recent Covid-19 situation in Tianjin may further decrease domestic scrap supplies. We just learned that some local scrapyards [in Tianjin] let their staff begin their holiday early [because of] the current Covid situation," a Chinese scrap industry analyst based in Beijing told Fastmarkets.

That view was corroborated by Anhui-based scrap trading source and a mill source in Hebei said: "Domestic supplies of [scrap] are going to remain tight ahead of the Chinese New Year holiday [and] I expect the scrap arrival volumes to most mills to be lower than normal. If a mill needs to stock up, it will still have to raise its buy price to attract resources," a Hebei mill source said.

But trading activity for imported material was still sparse despite the higher bids from buyers in China. The gap between bids and offers, although narrowing down, still exists, sources said.

"Tighter domestic supply can support scrap prices, but demand is also going to be weaker ahead of the Chinese Lunar New Year. Especially when South Korean buyers are ready to purchase material from Japan at higher prices following a rise in the Korean local market this week, it may become even harder for buyers in China to close the gap between bids and offers," a Japanese trading source told Fastmarkets.

Offers for heavy scrap (HS) from Japan were heard at \$550-555 per tonne cfr China on Tuesday.

Taiwan

Buyers are receiving offers for containerized heavy melting scrap (HMS) 1&2 (80:2) at \$440 per tonne cfr Taiwan, while indicating that they are interested in purchasing cargoes at \$435 per tonne cfr Taiwan.

"Spot prices are on an uptrend now, especially now that iron ore and coking coal prices are increasing and Vietnamese buyers are back in the spot market," a Taiwanese trader told Fastmarkets on January 11.

Sellers of containerized scrap are resisting selling below \$440 per tonne cfr Taiwan and are in no hurry to offload material due to the bullish outlook.



The upcoming Kanto Tetsugen auction - slated to close on the morning of Wednesday January 12 - will provide a strong reference point for market participants in Asia, sources said.

"Overseas prices in markets such as Vietnam are stronger now compared with domestic prices in the Kanto region, such as at Tokyo Bay, so there's a good chance the auction will conclude tomorrow," a buyer source in Taiwan told Fastmarkets.

A major electric-arc furnace operator in Taiwan kept its domestic scrap purchase price stable week on week, but dropped its rebar sales price by NT\$400 (\$14.45) per tonne.

Most market sources expect scrap spot prices to continue with their upward trend.

Fastmarkets' daily price assessment for [containerized steel scrap, heavy melting scrap 1&2 \(80:20 mix\)](#), [United States material import, cfr main port Taiwan](#) was \$435-440 per tonne on Monday, narrowing upward by \$3 day on day.

Seaborne coking coal prices increase across the board; bid level rises, no offers in fob Australia market

By Min Li - Tuesday 11 January

Seaborne coking coal prices rose across the board on Tuesday January 11, and an increased bid price in the fob Australia market led to a price jump, sources said.

Fastmarkets indices

Premium hard coking coal, cfr Jingtang: \$377.59 per tonne, up by \$7.55 per tonne

Hard coking coal, cfr Jingtang: \$346.03 per tonne, up by \$8.59 per tonne

Premium hard coking coal, fob DBCT: \$385.20 per tonne, up by \$6.58 per tonne

Hard coking coal, fob DBCT: \$342.90 per tonne, up by \$12.75 per tonne

In the fob Australia market, a February-laycan cargo of premium mid-volatility hard coking coal in the HCCA Branded segment was bid at \$380 per tonne fob Australia on the Globalcoal platform on Tuesday, two trading sources in Singapore and a coke producer source in India told Fastmarkets.

One of the Singapore trading sources said the reason for the increased seaborne coking coal fob price was Monday's bidding level on the platform at \$380 per tonne fob Australia.

There were no offers on the platform, however, the coke producer source in India said, adding that there was no Australian coking coal cargo for the spot market.

A trading source in India said supply from Australia in the spot market was tight.

In the cfr market, a February-laycan Capesize vessel of United States-origin hard coking coal Buchanan was heard offered at \$366 per tonne cfr China, a trading source in Australia said on Tuesday.

Domestic coking coal prices in the spot market increased by 50-200 yuan (\$8-31) per tonne in the previous two days, a trading source in Hebei province said on Tuesday.

Fastmarkets' weekly price assessment for [Coke 65% CSR, fob China](#) was

\$565-590 per tonne on Tuesday, up by \$30-40 per tonne from January 4.

Dalian Commodity Exchange

The most-traded May coking coal futures contract closed at 2,295 yuan (\$359.90) per tonne on Tuesday, up by 9.50 yuan per tonne.

The most-traded May coke contract closed at 3,171 yuan per tonne, down by 7.50 yuan per tonne.

Brazil rainfall affects short-term iron ore supplies; high-grade prices rise

By Alice Li - Tuesday 11 January

Seaborne ore prices increased on Tuesday January 11, with market sentiment supported by the impact of heavy rainfall in the major mining areas of Brazil, sources told Fastmarkets.

Key drivers

Sentiment in the iron ore market improved in China shortly after the world's largest iron ore producer, [Vale](#), [halted some iron ore operations in Brazil because of heavy rains](#) on Monday night, although the company said the temporary suspension would have no impact on its yearly output guidance.

A few trader sources said supplies of high-grade Brazilian fines would be reduced due to the heavy rains, while others said it would not continue to have an impact a lot on prices because of the upcoming Chinese Lunar New Year holiday and the steelmaking production restrictions in place ahead of and during the Winter Olympics.

A Shanghai-based trader source said that supplies of Brazilian Blended Fines (BRBF) could be affected because they are the main products shipped to China from the rain-impacted regions of Vale's south and southeast mining systems.

Market sentiment for high-grade Carajas fines (IOCJ) from Vale rapidly improved in response, with deals in both the primary and secondary markets concluded today at unexpectedly high prices.

Additionally, some market participants were still uncertain about the impact of the emerging Covid-19 cases in China, especially near the major port of Tianjin, and market sentiment in the country was somewhat depressed because of that uncertainty, a Xiamen-based analyst said.

The most-traded May iron ore futures contract on the Dalian Commodity Exchange ended the day up by 3.4% from yesterday's closing price of 699.5 yuan (\$110) per tonne.

Iron ore forward-month swaps contracts on the Singapore Exchange were also up on Tuesday. By 6:10 pm Singapore time, the most-traded February contract was up by \$3.42 per tonne compared with Monday's settlement price of \$125.08 per tonne.

Fastmarkets iron ore indices

62% Fe fines, cfr Qingdao: \$129.17 per tonne, up \$3.44 per tonne

62% Fe low-alumina fines, cfr Qingdao: \$130.05 per tonne, up \$2.97 per tonne

58% Fe fines high-grade premium, cfr Qingdao: \$101.41 per tonne, up \$3.08 per tonne

65% Fe Brazil-origin fines, cfr Qingdao: \$159.20 per tonne, up \$8.00 per tonne

63% Fe Australia-origin lump ore premium, cfr Qingdao: \$0.3000 per dry metric tonne unit (dmtu), up \$0.0200 per dmtu



62% Fe fines, fot Qingdao: 844 yuan per wet metric tonne (implied 62% Fe China Port Price: \$122.36 per dry tonne), up by 8 yuan per wmt

Quote of the day

"The price of IOCJ at China's ports increase to about 1,030-1,040 yuan per wet tonne (\$151-152 per dry tonne) [but] is much lower than seaborne prices. But it should definitely follow the uptrend because of tight supplies and speculative buying interest from traders," a Shandong-based trader said.

Trades/offers/bids heard in the market

Vale, Globalore, 100,000 tonnes of 65% Fe Iron Ore Carajas fines, traded at \$159.15 per tonne cfr China, bill of lading dated January 3

BHP, Globalore, 110,000 tonnes of 62% Fe Mining Area C fines, traded at \$120.60 per tonne cfr China, February delivery.

Rio Tinto, Globalore, 70,000 tonnes of 62.5% Fe Pilbara Blend lump, traded at February average of a 62% Fe index plus a lump premium of \$0.3000 per dry metric tonne unit, laycan February 1-10.

BHP, Beijing Iron Ore Trading Center (Corex), 90,000 tonnes of 60.5% Fe Jimblebar fines, traded at the February average of two 62% Fe indices plus a discount of \$21.20 per tonne, laycan February 1-10.

Fortescue Metals Group (FMG), tender, 85,000 tonnes of 57.1% Fe FMG lump, traded at the February average of a 62% Fe index on an fob Australia basis plus a discount of 23%, laycan February 11-20.

Rio Tinto, Corex, 170,000 tonnes of 61% Fe Pilbara Blend fines, offered at \$127 per tonne cfr China, laycan February 1-10.

BHP, tender, 80,000 tonnes of 56.7% Fe Yandi fines, laycan February 1-10.

BHP, tender, 80,000 tonnes of 56.7% Fe Yandi fines, laycan February 3-12.

Market participant indications for MBI062 Index (62%Fe basis)

Pilbara Blend fines: \$126.03-128.50 per tonne cfr China

Brazilian Blend fines: \$129-132 per tonne cfr China
Newman fines: \$126.71-129.37 per tonne cfr China
Jimblebar fines: \$101.45-109.65 per tonne cfr China

Port prices

Pilbara Blend fines were traded at 825-835 yuan per wmt in Rizhao city on Tuesday, compared with 815-827 yuan per wmt on Monday.

The latest range is equivalent to about \$119-121 per tonne in the seaborne market.

Dalian Commodity Exchange

The most-traded May iron ore futures contract closed at 723.5 yuan (\$113) per tonne on Tuesday, up by 24 yuan per tonne from yesterday's closing price.

Alex Theo in Singapore contributed to this article.

Chinese CRC, HDG export trades pick up after year-end holidays

By Zihuan Pan - Tuesday 11 January

Trading activity for Chinese steel cold-rolled coil and hot-dipped galvanized coil exports recovered in the week to Tuesday January 11, with buyers returning after the Christmas and New Year holidays.

"Trades picked up last week, with European market participants returning from the holidays," a Hangzhou-based trader said on Tuesday.

Export prices for China-origin CRC and HDG were stable, however, while domestic prices rose in response to gains in hot-rolled coil futures prices.

The most-traded May HRC contract on the Shanghai Futures Exchange rose for four consecutive trading days following the New Year holiday, rising by 266 yuan (\$42) per tonne (or 6.03%) in the week to January 7.

On the other hand, major Chinese mills including Baoshan Iron & Steel, Anshan Iron and Steel and Benxi Iron and Steel have announced they will keep their prices for products such as HRC, CRC and HDG unchanged month on month for February domestic bookings.

Cold-rolled coil

Fastmarkets' weekly price assessment for steel CRC, export, fob China main port, was \$850-860 per tonne on January 11, unchanged from a week earlier.

Major mills' CRC offers were steady at \$860 per tonne fob China on Tuesday.

Market participants continued to indicate that \$850-860 per tonne fob China was a workable level for business to transact at over the past week, while deals were also done within this range. These deals were bound for the Middle East, Southeast Asia and South America.

Fastmarkets' weekly price assessment for steel CRC, domestic, delivered Eastern China, was 5,420-5,450 (\$850-855) yuan per tonne on January 7, up by 20-50 yuan per tonne from 5,370-5,430 yuan per tonne a week earlier.

"Gains in raw materials will underpin spot CRC prices, while market participants remained cautious given the poor demand from downstream users. [Domestic] spot CRC prices are expected to continue to fluctuate in the short term," a Shanghai-based industry analyst said.

Hot-dipped galvanized coil

Fastmarkets' weekly price assessment for steel galvanized coil, 1mm, export, fob China, was \$900-920 per tonne on Tuesday, unchanged from a week earlier.

Fastmarkets' assessment is for HDG with zero-spangle zinc coating of 120gsm.

Some mills offered Z120 HDG at \$915-920 per tonne fob China on Tuesday, while some offered Z140 materials at \$915 per tonne fob China.

Deals for Z120 HDG were concluded at \$910-915 per tonne fob China over the past week, while Z40 material was sold at \$840-850 per tonne fob China.

Most market participants suggested that \$900-920 per tonne fob China was an acceptable level for transactions over the past week, while some indicated the level could be as low as \$890 per tonne fob China.

Fastmarkets' weekly price assessment for steel hot-dipped galvanized coil, domestic, ex-whs Eastern China, which considers 80gsm zinc-coated zero-spangle HDG, was 5,630-5,700 yuan per tonne on Friday, up by 50-60 yuan per tonne from 5,580-5,640 yuan per tonne a week earlier.



Shrinking demand ahead of the Lunar New Year holidays, cold weather and sporadic Covid-19 outbreaks have kept traders cautious, which will weigh on domestic HDG prices, a second Shanghai-based industry analyst said.

China's steel-plate export price range narrows amid thin trading

By Min Li - Tuesday 11 January

Export prices for Chinese heavy steel plate narrowed slightly in the week to Tuesday January 11 amid thin trading, sources said.

Fastmarkets' weekly price assessment for March-shipment **steel heavy plate, export, fob China main port** was \$775-785 per tonne on Tuesday, narrowing by \$5-10 per tonne from \$770-795 per tonne **a week earlier**.

Yingkou Medium Plate issued an offer of around \$775 per tonne fob for March-shipment plate during the week, a trading source in Beijing said on Tuesday.

Inner Mongolia's Baotou Iron & Steel issued an offer of \$779 per tonne fob for mid-March-shipment plate on January 10, a trading source in Shanghai said.

Hebei Puyang Iron & Steel issued an offer of \$810 per tonne fob for March-shipment plate during the week, a trading source in Zhejiang province said.

No trading was heard during the week to January 11, several trading sources said.

"Export activity is usually thin in the first few days of a new year, and recent trading [of hot-rolled coil, including plate] in domestic China was relatively good," a second trading source in Zhejiang province said.

Fastmarkets' weekly price assessment for **steel plate, domestic, delivered whs Eastern China** was 5,000-5,020 yuan (\$784-787) per tonne on Friday January 7, down by 30 yuan per tonne from 5,000-5,050 yuan per tonne a week earlier.

Spot HRC prices in China narrow downward despite higher futures

By Zihuan Pan - Tuesday 11 January

China's spot prices for hot-rolled coil narrowed downward on Tuesday January 11 despite gains in the futures market in response to hopes of strong demand following a series of stimulus measures.

Domestic

Eastern China (Shanghai): 4,900-4,920 yuan (\$769-772) per tonne, narrowing downward by 10 yuan per tonne

The most-traded HRC contract on the Shanghai Futures Exchange rose sharply in the final trading hour before the closing bell on Tuesday, hitting its highest since December 21, at 4,729 yuan per tonne.

Despite the seasonal lull, there are expectations that demand will pick up following a release of funds from the issuance of local government bonds and an increasing push for infrastructure in the country, which supported steel futures, a Shanghai-based industry analyst said.

China's State Council said on Monday that the release of funds for projects raised via local governments' 1.2 trillion yuan worth of special bonds issued in the fourth quarter of 2021 as well as the issuance of such bonds under 2022's quota will be accelerated to support the economy.

Price gains for steelmaking raw materials such as coke and iron ore also

helped to push up steel futures, the analyst added.

Spot prices for coke in China have experienced a third round of increases since the start of this week, while the most-traded iron ore contract on the Dalian Commodity Exchange gained 24 yuan per tonne - or 3.43% - on Tuesday due to supply concerns sparked by heavy rain in Brazil and tightened measures to halt the spread of Covid-19 in Tianjin in northern China.

Shipments entering or leaving the city of Tianjin, which borders Beijing, have been affected by the city's tighter travel restrictions to curb the spread of Covid-19, traders reported.

But the impact is unlikely to spread to wider markets such as eastern China, and its impact on spot HRC prices should be limited, according to traders.

Export

Fastmarkets' steel hot-rolled coil index export, fob main port China: \$755.26 per tonne, unchanged

Most offers for SS400 HRC exports from mills and trading houses remained at \$750-800 per tonne fob China on Tuesday.

Market participants continued to indicate workable transaction prices at \$740-755 per tonne fob China.

While mills and traders are seeing an increase in inquiries, trading activity has yet to improve due to a wide gap between offers and bids.

Mills are not in a rush to take orders given the existing orders they have in hand, while buyers keep lowering their bids due to the **availability of cheaper cargoes from non-Chinese suppliers**, a Tianjin-based trader said.

Cargo deliveries to the Port of Tianjin are being affected by the tightened measures to stop the spread of Covid-19 in the city due to a shortage of truck drivers. But sellers have yet to decide to export via a different port or inform their customers of delays because **"the situation looks okay now,"** a Beijing-based trader said.

Market chatter

"I am optimistic about spot and futures prices for steel ahead of the Chinese New Year amid the strong demand outlook. Inventory increases during the Chinese New Year holiday will likely weigh on prices after that before the prices rise again once demand picks up," a second Tianjin-based trader said.

Shanghai Futures Exchange

The most-traded May HRC contract closed at 4,719 yuan per tonne on Tuesday, up by 87 yuan per tonne from **Monday's close**.

Tianjin Covid-19 jitters ease, no significant steel-market impact expected

By Jessica Zong, Zihuan Pan - Tuesday 11 January

Concerns over the recent Covid-19 outbreak in Northern China's major steel market Tianjin have eased after more information has emerged.

The city confirmed 21 positive cases on January 10 among the results of 3.43 million people's nucleic acid tests, the municipal Health Commission reported.

But market participants do not expect the cases to influence the country's steel market during what is typically a slow period for demand.



"The result is not as serious as market participants expected, so sentiment is less bearish than Monday," a trader in Northern China said on Tuesday January 11.

Although Tianjin has designated some parts of Jinnan district as high-risk for Covid-19 infections, disrupting steel transportation there, the area is not the major steel market in Tianjin, so the designation has not influenced steel prices in the city, market sources said.

In other major steel markets such as Daqiu Zhuang, a major consuming region of hot-rolled coil and steel strip, logistics have slowed but are largely still operating normally, sources said.

"Pipe production stopped on Monday, and it may take a few days to resume production because we need to wait for workers' nucleic acid test results," a welded-pipe producer in Tianjin said.

"But prices of raw materials, HRC and steel strip will not be influenced because the market was in a demand lull even before the recent outbreak," he added.

Spot prices of HRC in Tianjin were at 4,730-4,740 yuan (\$741-743) per tonne on Tuesday, unchanged from a day earlier, local traders reported.

Port congestion concerns resurface

Tianjin port is a major nerve center for Chinese steel exports, with a number of major Chinese steelmakers using it to ship steel overseas.

Market participants expect steel cargo deliveries to and from Tianjin port to feel the greatest impact from tightened pandemic-control measures.

"It's a struggle to find truck drivers now. Drivers won't be able to go back home for the Chinese New Year reunion if they go to Tianjin," a Hong Kong-based trader said.

"The impact on truck delivery is very severe, while shipment by rail has yet to be affected," another trader in Beijing said. "People's [health] code will turn yellow if they enter Tianjin," he added.

Under China's color-coded health scheme, people are allowed to travel only with a green code.

"While the port of Tianjin is still maintaining operations, congestion at the port is set to continue [due to the tightened anti-virus measures]," the Beijing-based trader said. Traders had reported an easing in congestion at Tianjin port in the week before this latest outbreak in Tianjin city.

Despite the pandemic-induced restrictions, sellers have yet to consider shifting their export cargoes from Tianjin port to other ports for delivery, nor are they warning clients of delivery delays because, as the Beijing-based trader said, "the situation looks okay for now."

China's domestic rebar prices flat despite rising futures

By Jessica Zong - Tuesday 11 January

China's domestic rebar prices remained unchanged for a second day on Tuesday January 11 despite a pick-up in demand and the futures market.

Domestic

Eastern China (Shanghai): 4,700-4,740 yuan (\$737-744) per tonne, unchanged

Rebar futures increased during the day, tracking the movements of the iron ore contract. Gains in the futures market stimulated physical trading activity, sources said.

A few rebar sellers raised their offers by 10-20 yuan per tonne, but buyers snubbed them.

Other sellers largely kept their prices flat to generate more sales ahead of the Chinese New Year holiday over January 31- February 6.

A trader in Shanghai said he was planning to destock over the next two weeks because the outlook for the post-holiday market was not very clear.

Rebar demand typically increases after a holiday, but production is also rising this month and may continue to rise in February, the trader said. As such, it's hard to predict the price trend, the trader noted.

Market chatter

"The rebar inventory levels in the spot market are unlikely to increase after the holiday as much as it did in the corresponding period of last year because some stockists are not as confident about the post-holiday market this time around, and as such, have no plans to build up their inventories," an industry analyst said.

China's major spot markets had a total of 12.22 million tonnes of rebar at the end of February 2021, up by 4.9 million tonnes - or 67% - from earlier that month, according to a local industry information provider. The Chinese New Year break was observed in mid-February last year.

Billet

As at 3pm, billet was being traded at 4,370 yuan per tonne including value-added tax in Tangshan, unchanged from the previous day.

Shanghai Futures Exchange

The most-traded May rebar futures contract closed at 4,589 yuan per tonne on Tuesday, up by 97 yuan per tonne from the previous day.

Evraz to boost annual capacity by 150,000 tonnes at NTMK rail, beam rolling line

By Elina Virchenko - Tuesday 11 January

Russian steelmaker Evraz is modernizing the rail and beam rolling line at its integrated Nizhny Tagil Iron & Steel Works (NTMK) in the Urals to increase output to 950,000 tonnes per year, from 800,000 tonnes currently, and to expand the range of products on offer.

The upgrade project will cost about \$210 million, is expected to be completed in 2024, the company said on Monday January 10.

"Rolled steel products from the renewed line will be in high demand on the market [and], thanks to the implementation of the project, we will be able to ensure the full load of the line and to add about 280,000 tonnes of beams and 50,000 tonnes of sheet piles," Evraz vice president and head of its Ural divisions Denis Novozhenov said.

The expanded range will include U-shaped sheet piles up to 600mm wide, 130-450mm long I-beams, European railway-standard rails up to 25 meters long, crane rails and asymmetrical L-shaped flat bulbs 270-600mm in length, the company said.



How green energy could fundamentally alter Chinese steelmaking

By Paul Lim, Zihuan Pan - Tuesday 11 January

China aims to raise the share of non-fossil fuels in total energy consumption to about 20% and 25% by 2025 and 2030 respectively, according to an action plan formulated by the Central Committee of the Communist Party of China and the State Council to peak carbon dioxide emissions by 2030 and achieve carbon neutrality by 2060.

That suggests an increasing importance and usage of green energy - energy that is produced with little-to-no environmental impact - amid the country's decarbonization push.

"The change to the energy structure does not only facilitate the steel sector's transition to low carbon, but also brings profound changes to the demand structure for steel," Wang Guoqing, research director at the Beijing Lange Steel Information Research Center, told Beijing-based securities newspaper Securities Daily in December.

Steelmakers bet on hydrogen power

"The application of hydrogen energy in steel production is an effective way to transform and upgrade the steel industry to a low-carbon and green industry," Jin Qinxian, deputy secretary-general of Tsinghua University and dean of the Beijing Tsinghua Industrial Development Research Institute, said at an industry forum in November.

Hydrogen metallurgy is a technology that applies hydrogen instead of carbon as a reduction agent in ironmaking processes; it is zero emission, and the process is very fast. The technology is one of the most promising ways to help the steel industry achieve "zero carbon," Ma Guangyu, the director of the environment and resource unit under the Iron and Steel Research Institute of Ansteel Group, told Fastmarkets.

The action plan for a 2030 carbon peak also encourages steel mills to facilitate "the substitution of clean energy" and venture into "integrated trials on hydrogen metallurgy and integrated capture and utilization of carbon dioxide."

Wei Wei, president of the clean energy unit at Baowu Steel Group, identified three ultimate directions for decarbonization in steelmaking: 1) electrification, such as shifting to electric-arc furnaces, 2) carbon capture and utilization, and 3) hydrogen energy, which will be "disruptive" to the industry.

Given the significant potential of hydrogen power, Chinese steelmakers have stepped up their efforts in the development of hydrogen metallurgy.

HBIS Xuansteel started the construction of its hydrogen energy application pilot project in northern China in May last year, marking the launch of the world's first hydrogen metallurgy demonstration project.

The project will use wind and solar power to produce hydrogen and employ new hydrogen reduction technologies, including Tenova Energiron-ZR technology, to replace the traditional blast furnace hot metal procedures, according to HBIS Xuansteel.

Baowu Steel is now working on a hydrogen-enriched carbon recycling blast furnace project in the Xinjiang Uyghur Autonomous Region in northwest China. **Baowu's 1 million-tonne capacity, zero-carbon plant** with hydrogen-based shaft furnaces and electric-arc furnaces in Zhanjiang, southern China is also in the pipeline and is expected to start operation in September 2023.

Ansteel Group released its roadmap for low-carbon metallurgical pathway development at the end of 2021, in which it identified three key technologies for carbon reduction: hydrogen-rich oxygen-rich ironmaking technologies in blast furnaces, carbon dioxide capture and utilization, and hydrogen

metallurgy.

The steelmaker is working on the project of "green power, green hydrogen and green steel" - using green energy-produced hydrogen to produce steel, and facilities for the project are expected to be completed by the end of 2022, according to Ansteel Group's Ma.

But Ma also pointed out that technologies for the production, storage, transportation and utilization of hydrogen are still "immature" and require vast investment. Ansteel expects to the mass adoption of hydrogen metallurgy to be realized after 2035, according to its roadmap.

Energy transition to boost steel demand

The clean energy transition to ease the impact of climate change could "unleash unprecedented metals demand in the coming decades," the International Monetary Fund (IMF) said in a blog post in December.

The IMF expects the energy transition, including the shift to electric vehicles, greater electrification and use of renewable energies, to require "as much as 3 billion tons in metals."

For China's pathway to green and low-carbon energy transition, the country plans to continue its development of energy resources such as hydro, wind and solar power, speed up its development of new electric power systems, and actively develop nuclear power in a safe and orderly way. At the same time, it will promote the substitution, transformation and upgrading of coal and regulating oil and gas consumption, according to its 2030 carbon peak action plan.

China aims to bring its installed generation capacity of wind and solar power to beyond 1,200 gigawatts by 2030.

Data from the National Energy Administration (NEA) shows that China's installed wind power capacity soared by 29% year on year to 300 million kilowatts in the first eleven months of 2021, and solar power capacity reached 290 million kilowatts, up by 24.1% from a year earlier.

Steel mills are also investing in green energy to make their production process greener. For instance, Baowu's operations in Zhanjiang are making progress with a solar power project. Phase 1 of its rooftop solar photovoltaic systems, with capacity of 48.2 megawatts, was connected to the grid on December 15, 2021. Ansteel said it is developing solar energy, wind energy and nuclear power projects to generate electricity.

Construction of these green energy projects looks to set to give a boost to steel demand, with wind farms requiring heavy plates and photovoltaic (PV) power generation requiring high-strength, lightweight, corrosion-resistant, and fatigue-resistant steel structures.

China also identified promoting green and low-carbon transportation as a key focus on its way to carbon peak and neutrality.

The application of new and clean energy, such as electricity, hydrogen power, natural gas, and advanced liquid biofuels, will be increasingly used in transportation. China aims for new energy and clean energy-powered vehicles to make up 40% of total vehicles in the country by 2030.

Automobiles are a major steel consumer. China wants about 20% of new cars sold by 2025 to be electrified, while also aiming for new energy vehicles (NEV) to be the dominant type of vehicle sold in the country by 2035, according to the development plan for the NEV sector (2021-35), issued by the State Council in November 2020.

The China Association of Automobile Manufacturers (CAAM) made a forecast on December 14 that domestic NEV sales will hit 5 million units in 2022, up by 47% year on year. CAAM data shows that for the first 11 months of 2021, **China's NEV output and sales amounted to 3.02 million and 2.99 million units respectively**, both up by about 167% from the same period last year.

Robust growth in the NEV sector, coupled with the construction of charging facilities, will offer strong support to steel consumption, a Shanghai-based



industry analyst said. A number of mills told Fastmarkets they are developing steel products used in NEVs.

Some steelmakers have stepped up their deployment of high-end auto sheets for NEVs. For instance, a groundbreaking ceremony for an auto sheet plant, which is jointly owned by HBIS Group and South Korean steel producer Posco

was held on January 7. The plant, located in Tangshan in North China's Hebei Province, coupled with an existing production line in Guangdong in South China, will make the joint venture to be the biggest high-end auto sheet supplier in China and the venture will focus on sales of high-end, NEV sheets and aim to provide low-carbon, green and lightweight materials for high-end car brands.

Steel scrap

Fastmarkets AMM: Jan 12 Mexico scrap wrap

- Tuesday 11 January

Fastmarkets AMM's Mexican edition features weekly scrap prices, basis Monterrey and Bajio.



Industrial minerals

Beowulf/Epsilon JV signs MOU for its Finnish graphite anode project

By Jon Stibbs - Tuesday 11 January

The Finish subsidiary of graphite junior Beowulf Mining - Grafintec - and Epsilon Advanced Materials have agreed a Memorandum of Understanding (MOU) with the City of Vaasa, Finland, to develop an anode material production facility.

The Grafintec and Epsilon graphite anode material project will be in Plot 18, in the GigaVaasa area, near to the Freyr Battery's proposed battery cell development, Beowulf said in a release.

Freyr Battery, Finnish Minerals Group and the City of Vaasa are exploring industrial scaling of battery cell technology and production.

Grafintec and Epsilon will build a 10,000-tonnes-per-year anode material production facility to supply battery manufacturing companies in Europe in the first phase of a joint venture signed in December 2021.

A further 40,000 tpy capacity will be added in the second phase of the project.

The market for graphite active anode material is currently dominated by China but several companies are moving towards production outside of



China.

Among them, Nouveau Monde Graphite in Canada has begun phase two of its Matawinie mining project and appointed a **new chief operating officer** in an effort to move towards its goal to be a carbon-neutral alternative to Chinese supply of anode material.

Mineral Commodities has successfully achieved battery-grade purities of 99.98% and 99.99% C for spherical graphite derived from graphite concentrates sourced from its Skaland and Munglinup projects in Norway and Australia respectively, it **announced in September 2021**.

The Grafintec and Epsilon JV has six months to develop the first phase of the project, with the option of extending by a further six months.

In this time the JV will conduct technical and environmental studies as well as starting to permit discussions with Finnish authorities.

Beowulf is listed on AIM in London and Spotlight in Stockholm, and is developing the Aitolampi graphite asset, which has a contained graphite resource of 1,275,000 million tonnes. However, it is not yet in production.

Epsilon has an anode materials business in India.

"The signing of the MOU with the City of Vaasa is a significant step forward in bringing our technology and know-how of producing high quality anode materials for the lithium-ion battery industry to Europe," managing director of Epsilon Advance Materials Vikram Handa said.

GigaVaasa is an industrial center of battery value chain manufacturing.

Iodine market getting "dramatic" amid tight supply

By Sofia Okun - Tuesday 11 January

Contract and spot prices for iodine have increased and market participants describe the conditions as "dramatic" while producers mention buoyant demand for iodine.

Demand has recovered to pre-pandemic levels while producers have had to deal with logistical issues throughout 2021, pushing iodine prices to rise to 2014 levels.

Fastmarkets assessed the price of **iodine 99.5% min, spot, delivered US/Europe, cif Asia** at \$49-53 per kg on January 6 for volumes exceeding five tons, a 2% increase from the previous week.

Fastmarkets' assessment for the price of **iodine 99.5% min, contract, delivered US/Europe, cif Asia** was at \$40-45 per kg on December 30, an 8% increase month on month.

In January 2021, the prices were at \$34-37 per kg for contracts and at \$33.5-37.5 per kg on the spot market, according to Fastmarkets' assessment.

A large customer said that at the end of December they were still finalizing contracts for 2022, calling the situation "dramatic" and "extraordinary".

"The market is now split into two: one is for Japanese material, with lower prices, and the other is for Chilean material and is more bullish," another consumer said.

Chile produced 69% of the global iodine supply in 2020, with the rest coming primarily from Japan.

Issues with supply and delivery

Iodine exports from Chile, which provides most of the global supply, were 18.9 kilotons in 2021 – the lowest in five years and 9% lower than in 2020.

However, iodine sales of SQM, the largest global producer, were 9.7 kilotons in 2020 and 9.5 kilotons in first three quarters of 2021, the company said.

Market participants in conversation with Fastmarkets said it was **difficult to get a quotation for the spot market** – just as in the previous month – because logistics issues persisted.

"We cannot even get offers for new material and expected imports from Chile have been delayed by months," an Indian consumer said.

"We are getting more requests than we can handle - there is not enough product available," a trader said.

Another trader suggested that some Latin American producers might be holding back from active trading on the spot market.

A producer told Fastmarkets that their supply for the first quarter had sold out by early January, citing healthy demand across all applications.

A Japanese producer, citing prices below Fastmarkets' assessment level, said that they were not expecting sudden price increases due to a good relationship with long-term customers.

Demand recovering

Several sources told Fastmarkets that they expect demand to return to pre-pandemic levels across all applications: contrast (x-ray) media, iodine derivatives and pharmaceuticals, LCD screens and animal health products.

A producer told Fastmarkets that large companies producing contrast media have long-term contracts that they need to honor, which adds to pressure to get material.

However, not all consumers are ready to put up with increased prices.

Two sources told Fastmarkets that they see reluctance from iodine derivative producers to buy at current prices.

"We don't see any improvement in this short market unless there is a crash in demand, and we expect it will rise," an Indian consumer said.

"The market is still extremely tight," a European distributor said.

Copper raw materials

Source: dashboard.fastmarkets.com/m/00000004-0000-4000-8000-000000000000

Top stories

Kamoa-Kakula to produce 290,000-340,000 tonnes of copper in 2022

By Sally Zhang - Tuesday 11 January

The Kamoa-Kakula copper complex in the Democratic Republic of Congo (DRC) is expected to produce 290,000-340,000 tonnes of copper concentrate in 2022, Ivanhoe Mines said on Monday January 10.

The company has set a guidance of \$1.20-1.40 per pound of payable copper for 2022 cash costs.

The copper project, which was commissioned in May 2021, produced 105,884 tonnes of copper in concentrate last year, exceeding the company's guidance of 92,500-100,000 tonnes.

The project's second phase of expansion is now 80% complete, Ivanhoe said. It expects to start operations in the second quarter of 2022.

A third phase of expansion is targeted for 2024, with earthworks to access new mining areas well underway, according to the company.

The copper giant is jointly owned by Ivanhoe (39.6%), China's Zijin Mining (39.6%), Hong Kong-based Crystal River Global Ltd (0.8%) and the government of the DRC (20%).

In late December 2021, Zijin Mining issued an update for its Julong copper project in Tibet, saying its first phase was expected to produce 120,000-130,000 tonnes of the red metal in 2022.

Fastmarkets' benchmark copper concentrate TC/RC index, cif Asia Pacific - a mid-point between smelter and trader buying levels - was at \$58.70 per tonne/5.87 cents per lb on January 7, up slightly from \$57.70 per tonne/5.77 cents per lb a week earlier.

Tesla in US nickel supply deal at Tamarack with Talon Metals

By Andrea Hotter - Tuesday 11 January

Talon Metals Corp has entered into an agreement to supply Tesla with nickel from the Tamarack project in central Minnesota, marking the auto manufacturer's first supply deal in the United States for the metal used in the batteries for its electric vehicles (EVs), the company said.

According to Talon, which is in a joint venture with miner Rio Tinto to develop nickel-cobalt-copper deposit Tamarack, Tesla has committed to purchase 75,000 tonnes of nickel in concentrate over a six-year period.

This represents a portion of the metals projected to be produced at Tamarack, with Tesla also having a preferential right under the agreement to negotiate the purchase of additional nickel concentrate over and above the initial 75,000-tonne commitment, Talon noted.

The execution of the agreement follows an extensive and detailed due diligence period performed by Tesla and lengthy negotiations between the parties, Talon added.

"This agreement is the start of an innovative partnership between Tesla and Talon for the responsible production of battery materials directly from the mine to the battery cathode," Talon chief executive officer Henri van Rooyen said.

"Talon is committed to meeting the highest standards of responsible production that is fully traceable and that has the lowest embedded carbon footprint in the industry," he added.

The deal with Tesla is conditional on Talon earning a 60% interest in Tamarack from its current 51% stake, which Talon has the preferential right to do. The project is currently scheduled to begin commercial production by the start of 2026, with initial production of 18,600 tonnes per year.

Drew Baglino, senior vice president of powertrain and energy engineering at Tesla, noted that Talon was working to responsibly produce its nickel, including to permanently store carbon as part of mining operations and the investigation of novel methods of extracting battery materials.

"Responsible sourcing of battery materials has long been a focus for Tesla, and this project has the promise to accelerate the production of sustainable energy products in North America," Baglino added.

Tesla CEO Elon Musk has publicly called for nickel producers to ramp up output to meet demand for battery raw materials.

In April 2021, Fastmarkets launched a nickel sulfate premium amid strong global demand for EV battery materials. It assessed the nickel sulfate premium, cif China, Japan and Korea at \$1,900 per tonne on January 4, down from \$2,300 per tonne at the start of the prior month.

The purchase price to be paid by Tesla will be linked to the London Metal Exchange official cash settlement price for nickel. The parties have also agreed to share in any additional economics derived from by-products extracted from the nickel concentrate, such as iron and cobalt.

Copper concentrate news

LME off-warrant zinc, nickel stocks build up in November; aluminium decline slows

By Ana de Liz - Tuesday 11 January

There was a small rise in the amount of metal held outside of London Metal Exchange warehouses in November 2021 after three months of decline, according to data recently released by the exchange.

Across all metals, stock volumes rose by 11,780 tonnes throughout November to 447,443 tonnes, as shown in the latest LME off-warrant stock report published on Tuesday January 11.

Nickel stocks dropped by the biggest percentage (57%) among base metals in October, but jumped to 5,866 tonnes in November on a large increase in Europe.

Zinc stocks also increased for a third month in a row, primarily due to a rise in Asian off-warrant stocks. But there was still no off-warrant zinc in Europe, with supply tightness in the region since late summer last year.

Aluminium continued to be the largest component of off-warrant stocks, with 79% of the total globally, but the decrease seen in previous months slowed down in November.

LME OFF-WARRANT STOCK FIGURES (tonnes)			
	End of Nov 2021	End of Oct 2021	Change
Aluminium	447,443	448,941	▼ 1,498
Copper	18,945	20,702	▼ 1,757
Nickel	5,866	3,598	▲ 2,268
Lead	1,640	2,940	▼ 1,300
Zinc	92,361	78,465	▲ 13,896
Tin	190	100	▲ 90
Total (including all LME metals)	567,059	555,279	▲ 11,780

Source: London Metal Exchange, compiled by Fastmarkets

The data is released with a one-month delay and reflects stock levels at the end of November 2021.

Key information**Copper**

- The volumes of material held outside LME warehouses decreased by 8.5% in November to 18,945 tonnes, from October's figure of 20,702 tonnes.

- Europe continued to be the main hub for off-warrant (as well as on-warrant) copper stocks, at 13,601 tonnes of the total, with that amount

increasing by 26.7% from 11,002 tonnes in April.

- Asia's off-warrant stocks were down by one-third, to 2,699 tonnes in November from 4,032 tonnes in the previous month, with the amount in Singapore being completely depleted from 2,855 tonnes in October.

- Similarly, the amount of red metal held outside LME warehouses in the United States fell by 53.3% to 2,645 tonnes in November.

Nickel

- The amount of nickel held off-warrant increased through November to 4,866 tonnes from October's 3,598 tonnes, which was a year-to-date low.

- The biggest increase for nickel outside LME stocks was in Europe, where the amount nearly tripled to 4,045 tonnes - held entirely in Rotterdam - from 1,549 tonnes in October.

- Off-warrant material volumes held in Asia decreased, meanwhile, with levels in Port Klang dropping to just 24 tonnes from 198 tonnes, and the amount held in the rest of the continent, excluding the Malaysian city and Singapore, dropping to 1,725 tonnes.

Aluminium

- The amount of aluminium held outside LME warehouses fell by just 1,498 tonnes in November to 447,443 tonnes, with the decrease in the metal slowing down from previous months. In October, for example, the decline was by 19.6%.

- This came despite a slight rise in Asian off-warrant stocks, which were up by 1,282 tonnes to 358,079 tonnes in November.

- The uptick in Asia was mostly perceived outside the cities of Port Klang and Singapore, with off-warrant aluminium volumes in the rest of the continent rising by 6% to 96,166 tonnes in November.

- In Europe, aluminium volumes held outside the LME decreased slightly in locations beyond Rotterdam, bringing down the volume in the region, with a fall also seen in the United States, by 6% to 41,067 tonnes, a year-to-date low for the country.

LME OFF-WARRANT STOCK REPORTING - NOVEMBER 2021 (tonnes)						
Location	Aluminium	Copper	Nickel	Lead	Tin	Zinc
Port Klang	196,820	58	24	0	190	726
Singapore	65,093	0	12	275	0	80,749
Rest of Asia	96,166	2,641	1,785	1,328		2,857
Total Asia	358,079	2,699	1,821	1,603	190	84,332
Rotterdam	47,620	12,101	4,045	12	0	0
Rest of Europe	677	1,500	0	25	0	0
Total Europe	48,297	13,601	4,045	37	0	0
Total USA	41,067	2,645	0	0	0	8,029
GLOBAL TOTAL	447,443	18,945	5,866	1,640	190	92,361

Source: London Metal Exchange, compiled by Fastmarkets

Key copper raw materials prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0287	Copper concentrates TC index, cif Asia Pacific, \$/tonne	07 Jan 2022	58.7	1.73%	Dec 2021	56.44
MB-CU-0288	Copper concentrates RC index, cif Asia Pacific, US cents/lb	07 Jan 2022	5.87	1.73%	Dec 2021	5.64
MB-CU-0409	Copper blister 98-99% RC annual benchmark, cif China, \$/tonne	31 Dec 2021	145 - 165	6.90%	Dec 2021	145 - 165
MB-CU-0408	Copper blister 98-99% RC spot, cif China, \$/tonne	31 Dec 2021	150 - 170	0.00%	Dec 2021	150 - 170

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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0512	No1 copper material, RCu-2A,1B (candy/berry), cif China, LME/Comex discount, US cents per lb	27 Dec 2021	9 - 13	0.00%	Dec 2021	9 - 13
MB-CU-0360	No2 copper material, RCu-2B (birch/cliff), cif China, LME/Comex discount, US cents per lb	27 Dec 2021	24 - 28	0.00%	Dec 2021	24 - 28
MB-CU-0422	Copper concentrates counterparty spread, \$/tonne	04 Jan 2022	9.58	-8.33%	Dec 2021	10.45
MB-CU-0423	Copper Concentrates Co-VIU, \$/tonne	04 Jan 2022	(0.45)		Dec 2021	0.28
MB-CU-0508	Copper concentrates TC implied smelters purchase, cif Asia Pacific, \$/tonne	07 Jan 2022	63.49	0.89%	Dec 2021	61.67
MB-CU-0510	Copper concentrates RC implied smelters purchase, cif Asia Pacific, cents/lb	07 Jan 2022	6.35	0.95%	Dec 2021	6.17
MB-CU-0509	Copper concentrates TC implied traders purchase, cif Asia Pacific, \$/tonne	07 Jan 2022	53.91	2.72%	Dec 2021	51.22
MB-CU-0511	Copper concentrates RC implied traders purchase, cif Asia Pacific, cents/lb	07 Jan 2022	5.39	2.67%	Dec 2021	5.12

Coking coal/coke markets

Source: dashboard.fastmarkets.com/m/00000021-0000-4000-8000-000000000000

Coking coal/coke/PCI news

Scrap prices in China surge on tighter domestic supplies ahead of Chinese New Year

By Paul Lim, Tianran Zhao - Tuesday 11 January

Buyers in China increased their bids for imported steel scrap amid tightening domestic supplies ahead of the Chinese New Year, market participants told Fastmarkets on Tuesday January 11.

- Import spot prices in China jump with higher bids heard from buyers
- Tight China domestic scrap supply likely to raise local prices
- Sentiment in Taiwan bullish amid rising iron ore and coking coal prices

China

Spot prices for imported scrap in China surged on Tuesday January 11 amid tight domestic supplies of the material, sources said.

Fastmarkets' calculation of the [steel scrap index](#), [heavy recycled steel materials](#), [cfr north China](#), was at \$521.55 per tonne on Tuesday, up by \$13.55 per tonne compared with \$508 per tonne last Friday.

The highest bid for imported HRS101-grade scrap was heard at \$540 per tonne cfr on Monday from a major steel mill based in eastern China. Other market participants were heard bidding at \$505-530 per tonne cfr northern China on Tuesday, sources said.

"Scrap supplies are already tight and are highly likely to be tighter as we approach the Chinese New Year. [And] the recent Covid-19 situation in Tianjin may further decrease domestic scrap supplies. We just learned that some local scrapyards [in Tianjin] let their staff begin their holiday early [because of] the current Covid situation," a Chinese scrap industry analyst based in Beijing told Fastmarkets.

That view was corroborated by Anhui-based scrap trading source and a mill source in Hebei said: "Domestic supplies of [scrap] are going to remain tight ahead of the Chinese New Year holiday [and] I expect the scrap arrival volumes to most mills to be lower than normal. If a mill needs to stock up, it will still have to raise its buy price to attract resources," a Hebei mill source said.

But trading activity for imported material was still sparse despite the higher bids from buyers in China. The gap between bids and offers, although narrowing down, still exists, sources said.

"Tighter domestic supply can support scrap prices, but demand is also going to be weaker ahead of the Chinese Lunar New Year. Especially when South Korean buyers are ready to purchase material from Japan at higher prices following a rise in the Korean local market this week, it may become even harder for buyers in China to close the gap between bids and offers," a Japanese trading source told Fastmarkets.

Offers for heavy scrap (HS) from Japan were heard at \$550-555 per tonne cfr China on Tuesday.

Taiwan

Buyers are receiving offers for containerized heavy melting scrap (HMS) 1&2 (80:2) at \$440 per tonne cfr Taiwan, while indicating that they are interested in purchasing cargoes at \$435 per tonne cfr Taiwan.

"Spot prices are on an uptrend now, especially now that iron ore and coking coal prices are increasing and Vietnamese buyers are back in the spot market," a Taiwanese trader told Fastmarkets on January 11.

Sellers of containerized scrap are resisting selling below \$440 per tonne cfr Taiwan and are in no hurry to offload material due to the bullish outlook.

The upcoming Kanto Tetsugen auction - slated to close on the morning of Wednesday January 12 - will provide a strong reference point for market participants in Asia, sources said.

"Overseas prices in markets such as Vietnam are stronger now compared with domestic prices in the Kanto region, such as at Tokyo Bay, so there's a good chance the auction will conclude tomorrow," a buyer source in Taiwan told Fastmarkets.

A major electric-arc furnace operator in Taiwan kept its domestic scrap purchase price stable week on week, but dropped its rebar sales price by NT\$400 (\$14.45) per tonne.

Most market sources expect scrap spot prices to continue with their upward trend.

Fastmarkets' daily price assessment for [containerized steel scrap](#), [heavy melting scrap 1&2 \(80:20 mix\)](#), [United States material import](#), [cfr main port Taiwan](#) was \$435-440 per tonne on Monday, narrowing upward by \$3 day on day.

Seaborne coking coal prices increase across the board; bid level rises, no offers in fob Australia market

By Min Li - Tuesday 11 January

Seaborne coking coal prices rose across the board on Tuesday January 11, and an increased bid price in the fob Australia market led to a price jump, sources said.

Fastmarkets indices

Premium hard coking coal, cfr Jingtang: \$377.59 per tonne, up by \$7.55 per tonne

Hard coking coal, cfr Jingtang: \$346.03 per tonne, up by \$8.59 per tonne

Premium hard coking coal, fob DBCT: \$385.20 per tonne, up by \$6.58 per tonne

Hard coking coal, fob DBCT: \$342.90 per tonne, up by \$12.75 per tonne

In the fob Australia market, a February-laycan cargo of premium mid-volatility hard coking coal in the HCCA Branded segment was bid at \$380 per tonne fob Australia on the Globalcoal platform on Tuesday, two trading sources in Singapore and a coke producer source in India told Fastmarkets.

One of the Singapore trading sources said the reason for the increased seaborne coking coal fob price was Monday's bidding level on the platform at



\$380 per tonne fob Australia.

There were no offers on the platform, however, the coke producer source in India said, adding that there was no Australian coking coal cargo for the spot market.

A trading source in India said supply from Australia in the spot market was tight.

In the cfr market, a February-laycan Capesize vessel of United States-origin hard coking coal Buchanan was heard offered at \$366 per tonne cfr China, a trading source in Australia said on Tuesday.

Domestic coking coal prices in the spot market increased by 50-200 yuan (\$8-31) per tonne in the previous two days, a trading source in Hebei province said on Tuesday.

Fastmarkets' weekly price assessment for **Coke 65% CSR, fob China** was \$565-590 per tonne on Tuesday, up by \$30-40 per tonne from January 4.

Dalian Commodity Exchange

The most-traded May coking coal futures contract closed at 2,295 yuan (\$359.90) per tonne on Tuesday, up by 9.50 yuan per tonne.

The most-traded May coke contract closed at 3,171 yuan per tonne, down by 7.50 yuan per tonne.

How green energy could fundamentally alter Chinese steelmaking

By Paul Lim, Zihuan Pan - Tuesday 11 January

China aims to raise the share of non-fossil fuels in total energy consumption to about 20% and 25% by 2025 and 2030 respectively, according to an action plan formulated by the Central Committee of the Communist Party of China and the State Council to peak carbon dioxide emissions by 2030 and achieve carbon neutrality by 2060.

That suggests an increasing importance and usage of green energy - energy that is produced with little-to-no environmental impact - amid the country's decarbonization push.

"The change to the energy structure does not only facilitate the steel sector's transition to low carbon, but also brings profound changes to the demand structure for steel," Wang Guoqing, research director at the Beijing Lange Steel Information Research Center, told Beijing-based securities newspaper Securities Daily in December.

Steelmakers bet on hydrogen power

"The application of hydrogen energy in steel production is an effective way to transform and upgrade the steel industry to a low-carbon and green industry," Jin Qinxian, deputy secretary-general of Tsinghua University and dean of the Beijing Tsinghua Industrial Development Research Institute, said at an industry forum in November.

Hydrogen metallurgy is a technology that applies hydrogen instead of carbon as a reduction agent in ironmaking processes; it is zero emission, and the process is very fast. The technology is one of the most promising ways to help the steel industry achieve "zero carbon," Ma Guangyu, the director of the environment and resource unit under the Iron and Steel Research Institute of Ansteel Group, told Fastmarkets.

The action plan for a 2030 carbon peak also encourages steel mills to facilitate "the substitution of clean energy" and venture into "integrated trials on hydrogen metallurgy and integrated capture and utilization of carbon dioxide."

Wei Wei, president of the clean energy unit at Baowu Steel Group, identified three ultimate directions for decarbonization in steelmaking: 1) electrification, such as shifting to electric-arc furnaces, 2) carbon capture and utilization, and 3) hydrogen energy, which will be "disruptive" to the industry.

Given the significant potential of hydrogen power, Chinese steelmakers have stepped up their efforts in the development of hydrogen metallurgy.

HBIS Xuansteel started the construction of its hydrogen energy application pilot project in northern China in May last year, marking the launch of the world's first hydrogen metallurgy demonstration project.

The project will use wind and solar power to produce hydrogen and employ new hydrogen reduction technologies, including Tenova Energiron-ZR technology, to replace the traditional blast furnace hot metal procedures, according to HBIS Xuansteel.

Baowu Steel is now working on a hydrogen-enriched carbon recycling blast furnace project in the Xinjiang Uyghur Autonomous Region in northwest China. **Baowu's 1 million-tonne capacity, zero-carbon plant** with hydrogen-based shaft furnaces and electric-arc furnaces in Zhanjiang, southern China is also in the pipeline and is expected to start operation in September 2023.

Ansteel Group released its roadmap for low-carbon metallurgical pathway development at the end of 2021, in which it identified three key technologies for carbon reduction: hydrogen-rich oxygen-rich ironmaking technologies in blast furnaces, carbon dioxide capture and utilization, and hydrogen metallurgy.

The steelmaker is working on the project of "green power, green hydrogen and green steel" - using green energy-produced hydrogen to produce steel, and facilities for the project are expected to be completed by the end of 2022, according to Ansteel Group's Ma.

But Ma also pointed out that technologies for the production, storage, transportation and utilization of hydrogen are still "immature" and require vast investment. Ansteel expects to the mass adoption of hydrogen metallurgy to be realized after 2035, according to its roadmap.

Energy transition to boost steel demand

The clean energy transition to ease the impact of climate change could "unleash unprecedented metals demand in the coming decades," the International Monetary Fund (IMF) said in a blog post in December.

The IMF expects the energy transition, including the shift to electric vehicles, greater electrification and use of renewable energies, to require "as much as 3 billion tons in metals."

For China's pathway to green and low-carbon energy transition, the country plans to continue its development of energy resources such as hydro, wind and solar power, speed up its development of new electric power systems, and actively develop nuclear power in a safe and orderly way. At the same time, it will promote the substitution, transformation and upgrading of coal and regulating oil and gas consumption, according to its 2030 carbon peak action plan.

China aims to bring its installed generation capacity of wind and solar power to beyond 1,200 gigawatts by 2030.

Data from the National Energy Administration (NEA) shows that China's installed wind power capacity soared by 29% year on year to 300 million kilowatts in the first eleven months of 2021, and solar power capacity reached 290 million kilowatts, up by 24.1% from a year earlier.

Steel mills are also investing in green energy to make their production process greener. For instance, Baowu's operations in Zhanjiang are making progress with a solar power project. Phase 1 of its rooftop solar photovoltaic systems, with capacity of 48.2 megawatts, was connected to the grid on December 15, 2021. Ansteel said it is developing solar energy, wind energy and nuclear power projects to generate electricity.

Construction of these green energy projects looks to set to give a boost to steel demand, with wind farms requiring heavy plates and photovoltaic (PV) power generation requiring high-strength, lightweight, corrosion-resistant, and fatigue-resistant steel structures.

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Coking coal/coke/PCI prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-COA-0003	Premium hard coking coal, fob DBCT, \$/dmt	11 Jan 2022	385.2	1.74%	Dec 2021	340.4
MB-COA-0005	Premium hard coking coal, cfr Jingtang, \$/dmt	11 Jan 2022	377.59	2.04%	Dec 2021	355.52
MB-COA-0004	Hard coking coal, fob DBCT, \$/dmt	11 Jan 2022	342.9	3.86%	Dec 2021	287.44
MB-COA-0002	Hard coking coal, cfr Jingtang, \$/dmt	11 Jan 2022	346.03	2.55%	Dec 2021	325.14
MB-COA-0001	Hard coking coal domestic China spot market, Shanxi-origin, delivered Tangshan, yuan/tonne	10 Jan 2022	2475 - 2920	8.44%	Dec 2021	2175 - 2692
MB-COA-0008	PCI low-vol, fob DBCT, \$/dmt	07 Jan 2022	245.08	2.08%	Dec 2021	235.28
MB-COA-0007	PCI low-vol, cfr Jingtang, \$/dmt	07 Jan 2022	234.52	-1.13%	Dec 2021	218.74
MB-COA-0006	Coke 65% CSR, fob China, \$/tonne	11 Jan 2022	565 - 590	6.45%	Dec 2021	497.5 - 526.25

Base metals premiums

Source: dashboard.fastmarkets.com/m/30e12191-84d2-4805-a994-4c1c21976c25

Alumina index, aluminium premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ALU-0002	Alumina index, fob Australia, \$/tonne	11 Jan 2022	345.89	0.35%	Dec 2021	356.24
MB-AL-0329	Aluminium P1020A premium, cif Taiwan, \$/tonne	11 Jan 2022	160 - 200	0.00%	Dec 2021	167.5 - 200
MB-AL-0001	Aluminium P1020A (MJP) quarterly premium, cif Japan, \$/tonne	07 Jan 2022	177	-18.62%	Dec 2021	215 - 220
MB-AL-0343	Aluminium P1020A (MJP) spot premium, cif Japan, \$/tonne	11 Jan 2022	160 - 180	0.00%	Dec 2021	161.67 - 180
MB-AL-0328	Aluminium P1020A premium, bonded in-whs, Shanghai, \$/tonne	29 Dec 2021	50 - 80	-13.33%	Dec 2021	50 - 80
MB-AL-0345	Aluminium P1020A premium, cif Shanghai, \$/tonne	29 Dec 2021	50 - 70	-7.69%	Dec 2021	50 - 70
MB-AL-0307	Aluminium P1020A premium, fca South Korea, \$/tonne	11 Jan 2022	175 - 185	0.00%	Dec 2021	175 - 185
MB-AL-0344	Aluminium P1020A premium, cif South Korea, \$/tonne	11 Jan 2022	170 - 180	6.06%	Dec 2021	160 - 170
MB-AL-0316	Aluminium P1020A premium, fca dp Italy, \$/tonne	11 Jan 2022	490 - 510	14.94%	Dec 2021	377.5 - 396.25
MB-AL-0346	Aluminium P1020A premium, in-whs dup Rotterdam, \$/tonne	11 Jan 2022	320 - 340	6.45%	Dec 2021	250.24 - 266.43
MB-AL-0004	Aluminium P1020A premium, in-whs dp Rotterdam, \$/tonne	11 Jan 2022	430 - 455	2.31%	Dec 2021	321.11 - 345
MB-AL-0319	Aluminium P1020A premium, fca dp Spain, \$/tonne	11 Jan 2022	490 - 500	20.73%	Dec 2021	382.5 - 397.5
MB-AL-0337	Aluminium P1020A premium, cif dup Turkey, \$/tonne	11 Jan 2022	340 - 350	4.55%	Dec 2021	295 - 310
MB-AL-0020	Aluminium P1020A premium, ddp Midwest US, US cents/lb	11 Jan 2022	30.5 - 32.25	0.00%	Dec 2021	27.22 - 29.78
MB-AL-0021	Aluminium P1020A premium, delivered Sao Paulo region, \$/tonne	11 Jan 2022	400 - 450	13.33%	Dec 2021	375 - 425
MB-AL-0022	Aluminium P1020A premium, cif dup Brazilian main ports, \$/tonne	11 Jan 2022	380 - 410	1.28%	Dec 2021	380 - 400
MB-AL-0381	Aluminium low-carbon differential P1020A, Europe, \$/tonne	07 Jan 2022	0 - 10	0.00%	Dec 2021	0 - 10
MB-AL-0377	Aluminium P1020A premium, in-whs dup Rotterdam, inferred low-carbon midpoint, \$/tonne	11 Jan 2022	335	6.35%	Dec 2021	263.33
MB-AL-0378	Aluminium P1020A premium, in-whs dp Rotterdam, inferred low-carbon midpoint, \$/tonne	11 Jan 2022	447.5	2.29%	Dec 2021	338.06

Copper premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0386	Copper grade A cathode premium, cif Taiwan, \$/tonne	11 Jan 2022	75 - 90	0.00%	Dec 2021	75 - 90
MB-CU-0405	Copper grade A cathode premium, in-whs Shanghai, \$/tonne	11 Jan 2022	65 - 80	-3.97%	Dec 2021	84.52 - 104.9
MB-CU-0383	Copper grade A cathode ER premium, bonded in-whs Shanghai, \$/tonne	11 Jan 2022	75 - 80	-3.73%	Dec 2021	94.52 - 104.9
MB-CU-0382	Copper grade A cathode SX-EW premium, bonded in-whs Shanghai, \$/tonne	11 Jan 2022	65 - 72	-4.86%	Dec 2021	84.52 - 93.67
MB-CU-0403	Copper grade A cathode premium, cif Shanghai, \$/tonne	11 Jan 2022	62 - 78	-4.76%	Dec 2021	75.24 - 94.62
MB-CU-0380	Copper grade A cathode ER premium, cif Shanghai, \$/tonne	11 Jan 2022	72 - 78	-4.46%	Dec 2021	84.14 - 94.62
MB-CU-0384	Copper grade A cathode SX-EW premium, cif Shanghai, \$/tonne	11 Jan 2022	62 - 70	-3.65%	Dec 2021	75.24 - 81.81
MB-CU-0399	Copper grade A cathode premium, cif Southeast Asia, \$/tonne	11 Jan 2022	80 - 90	0.00%	Dec 2021	80 - 90
MB-CU-0404	Copper grade A cathode premium, cif South Korea, \$/tonne	11 Jan 2022	75 - 85	0.00%	Dec 2021	75 - 85
MB-CU-0372	Copper grade A cathode premium, delivered Germany, \$/tonne	11 Jan 2022	110 - 130	41.18%	Dec 2021	80 - 90
MB-CU-0406	Copper grade A cathode premium, cif Leghorn, \$/tonne	11 Jan 2022	85 - 95	9.09%	Dec 2021	75 - 90

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0369	Copper grade A cathode premium, cif Rotterdam, \$/tonne	11 Jan 2022	50 - 60	10.00%	Dec 2021	45 - 55
MB-CU-0002	Copper grade 1 cathode premium, ddp Midwest US, US cents/lb	11 Jan 2022	8 - 10	0.00%	Dec 2021	8 - 10
MB-CU-0411	Copper EQ cathode premium, cif Europe, \$/tonne	11 Jan 2022	20 - 30	0.00%	Dec 2021	20 - 30
MB-CU-0412	Copper EQ cathode premium, cif Shanghai, \$/tonne	11 Jan 2022	(15) - 0		Dec 2021	5 - 20

Lead premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0084	Lead 99.97% ingot premium, cif Taiwan, \$/tonne	11 Jan 2022	100 - 120	2.33%	Dec 2021	100 - 115
MB-PB-0083	Lead 99.99% ingot premium, cif Taiwan, \$/tonne	11 Jan 2022	140 - 150	3.57%	Dec 2021	135 - 145
MB-PB-0087	Lead 99.97% ingot premium, cif India, \$/tonne	04 Jan 2022	50 - 130	0.00%	Dec 2021	50 - 130
MB-PB-0086	Lead 99.99% ingot premium, cif India, \$/tonne	04 Jan 2022	140 - 150	0.00%	Dec 2021	140 - 150
MB-PB-0107	Lead 99.97% ingot premium, cif Southeast Asia, \$/tonne	07 Dec 2021	80 - 110	0.00%	Dec 2021	80 - 110
MB-PB-0108	Lead 99.99% ingot premium, cif Southeast Asia, \$/tonne	07 Dec 2021	125 - 145	-1.82%	Dec 2021	125 - 145
MB-PB-0099	Lead 99.99% ingot premium, delivered Midwest US, US cents/lb	11 Jan 2022	19 - 22	0.00%	Dec 2021	18 - 20.5
MB-PB-0006	Lead 99.97% ingot premium, ddp Midwest US, US cents/lb	11 Jan 2022	17 - 20	0.00%	Dec 2021	16 - 19

Tin premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-SN-0038	Tin 99.9% ingot premium, cif Taiwan, \$/tonne	11 Jan 2022	350 - 500	0.00%	Dec 2021	325 - 450
MB-SN-0002	Tin 99.9% ingot premium, in-whs Rotterdam, \$ per tonne	11 Jan 2022	1000 - 1400	0.00%	Dec 2021	1050 - 1400
MB-SN-0029	Tin 99.9% low lead ingot premium, in-whs Rotterdam, \$/tonne	11 Jan 2022	1500 - 2000	0.00%	Dec 2021	1500 - 2000
MB-SN-0036	Tin 99.85% ingot premium, in-whs Baltimore, \$/tonne	11 Jan 2022	1900 - 2200	0.00%	Dec 2021	1900 - 2200
MB-SN-0011	Tin grade A min 99.85% ingot premium, ddp Midwest US, \$/tonne	11 Jan 2022	2100 - 2500	0.00%	Dec 2021	2100 - 2500

Zinc premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0116	Zinc SHG 99.995% ingot premium, cif Taiwan \$/tonne	11 Jan 2022	150 - 160	0.00%	Dec 2021	150 - 160
MB-ZN-0106	Zinc SHG min 99.995% ingot premium, cif Shanghai, \$/per tonne	11 Jan 2022	80 - 90	0.00%	Dec 2021	77.5 - 87.5
MB-ZN-0119	Zinc min 99.995% ingot premium, in-whs Shanghai, \$/tonne	11 Jan 2022	80 - 90	0.00%	Dec 2021	77.5 - 87.5
MB-ZN-0113	Zinc SHG 99.995% ingot premium, fca Singapore, \$/per tonne	11 Jan 2022	140 - 150	-3.33%	Dec 2021	140 - 155
MB-ZN-0115	Zinc SHG 99.995% ingot premium, fca Malaysia, \$/per tonne	11 Jan 2022	140 - 150	-3.33%	Dec 2021	140 - 155
MB-ZN-0093	Zinc SHG min 99.995% ingot premium, cif Southeast Asia, \$/tonne	11 Jan 2022	145 - 160	0.00%	Dec 2021	145 - 160
MB-ZN-0001	Zinc SHG min 99.995% ingot premium, dp fca Rotterdam, \$/tonne	11 Jan 2022	300 - 350	6.56%	Dec 2021	260 - 290
MB-ZN-0099	Zinc SHG min 99.995% ingot premium, dp fca Antwerp, \$/tonne	11 Jan 2022	300 - 350	6.56%	Dec 2021	260 - 290
MB-ZN-0103	Zinc SHG min 99.995% ingot premium, fca dp Italy, \$/tonne	11 Jan 2022	350 - 380	0.00%	Dec 2021	350 - 380
MB-ZN-0102	Zinc SHG min 99.995% ingot premium, ddp Italy, \$/per tonne	11 Jan 2022	380 - 420	0.00%	Dec 2021	380 - 420
MB-ZN-0005	Zinc SHG min 99.995% ingot premium, ddp Midwest US, US cents/lb	11 Jan 2022	18 - 22	17.65%	Dec 2021	15 - 19

Nickel premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NI-0245	Nickel min 99.8% briquette premium, cif Shanghai, \$/tonne	29 Dec 2021	400 - 500	28.57%	Dec 2021	400 - 500
MB-NI-0143	Nickel min 99.8% full plate premium, in-whs Shanghai, \$/tonne	11 Jan 2022	350 - 375	8.21%	Dec 2021	325 - 352.5
MB-NI-0142	Nickel min 99.8% full plate premium, cif Shanghai, \$/tonne	11 Jan 2022	330 - 350	7.94%	Dec 2021	305 - 335
MB-NI-0003	Nickel uncut cathode premium, in-whs Rotterdam, \$/tonne	11 Jan 2022	70 - 90	0.00%	Dec 2021	70 - 90
MB-NI-0001	Nickel 4x4 cathode premium, in-whs Rotterdam, \$/tonne	11 Jan 2022	220 - 290	0.00%	Dec 2021	220 - 290
MB-NI-0002	Nickel briquette premium, in-whs Rotterdam, \$/tonne	11 Jan 2022	150 - 170	0.00%	Dec 2021	150 - 170
MB-NI-0240	Nickel 4x4 cathode premium, delivered Midwest US, US cents/lb	11 Jan 2022	55 - 65	0.00%	Dec 2021	55 - 63.75
MB-NI-0241	Nickel briquette premium, delivered Midwest US, US cents/lb	11 Jan 2022	65 - 90	0.00%	Dec 2021	67.5 - 90

Base metals warrant premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0334	Aluminium P1020A, warrant premium, in-whs East Asia, \$/tonne	05 Jan 2022	40 - 65	0.00%	Dec 2021	40 - 66
MB-AL-0333	Aluminium P1020A warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	40 - 70	10.00%	Dec 2021	40 - 62
MB-AL-0338	Aluminium P1020A warrant premium, in-whs US, \$/tonne	05 Jan 2022	115 - 125	0.00%	Dec 2021	115 - 125
MB-CU-0398	Copper grade A cathode warrant premium, in-whs East Asia \$/tonne	05 Jan 2022	10 - 20	0.00%	Dec 2021	13 - 23
MB-CU-0397	Copper grade A cathode warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	15 - 35	25.00%	Dec 2021	13 - 24
MB-CU-0400	Copper grade A cathode warrant premium, in-whs North Europe, \$/tonne	05 Jan 2022	5 - 10	0.00%	Dec 2021	5 - 10
MB-CU-0401	Copper grade A cathode warrant premium, in-whs South Europe, \$/tonne	05 Jan 2022	15 - 25	0.00%	Dec 2021	15 - 25
MB-CU-0377	Copper grade A cathode warrant premium, in-whs US, \$/tonne	05 Jan 2022	10 - 25	0.00%	Dec 2021	10 - 25
MB-PB-0106	Lead min 99.97% ingot warrant premium, in-whs East Asia \$/tonne	05 Jan 2022	5 - 20	0.00%	Dec 2021	5 - 20
MB-PB-0105	Lead min 99.97% ingot warrant premium, in-whs Southeast Asia \$/tonne	05 Jan 2022	5 - 20	0.00%	Dec 2021	5 - 20
MB-PB-0109	Lead 99.97% ingot warrant premium, in-whs North Europe, \$/tonne	05 Jan 2022	30 - 50	0.00%	Dec 2021	24 - 42
MB-PB-0110	Lead 99.97% ingot warrant premium, in-whs South Europe, \$/tonne	05 Jan 2022	30 - 50	0.00%	Dec 2021	24 - 38
MB-PB-0097	Lead 99.97% ingot warrant premium, in-whs US, \$/tonne	05 Jan 2022	20 - 30	0.00%	Dec 2021	20 - 30
MB-NI-0138	Nickel min 99.8% briquette warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	50 - 60	0.00%	Dec 2021	50 - 60
MB-NI-0140	Nickel min 99.8% briquette warrant premium, in-whs East Asia, \$/tonne	05 Jan 2022	50 - 60	0.00%	Dec 2021	50 - 60
MB-NI-0137	Nickel min 99.8% full plate warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	30 - 45	0.00%	Dec 2021	30 - 45
MB-NI-0139	Nickel min 99.8% full plate warrant premium, in-whs East Asia, \$/tonne	05 Jan 2022	30 - 45	0.00%	Dec 2021	30 - 43
MB-NI-0141	Nickel min 99.8% warrant premium, in-whs North Europe, \$/tonne	05 Jan 2022	50 - 175	0.00%	Dec 2021	38 - 157
MB-SN-0042	Tin min 99.85% ingot warrant premium, in-whs South East Asia, \$/tonne	05 Jan 2022	50 - 150	0.00%	Dec 2021	50 - 150
MB-ZN-0117	Zinc SHG min 99.995% warrant premium, in-whs North Europe, \$/tonne	05 Jan 2022	80 - 100	0.00%	Dec 2021	80 - 100
MB-ZN-0104	Zinc SHG min 99.995% warrant premium, in-whs US, \$/per tonne	05 Jan 2022	10 - 15	0.00%	Dec 2021	10 - 15
MB-ZN-0123	Zinc SHG min 99.995% warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	10 - 30	33.33%	Dec 2021	10 - 20

Steel scrap prices

Source: dashboard.fastmarkets.com/m/6310df54-51f9-4441-9a17-47f6239159d5

Alabama

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0213	Steel scrap No1 heavy melt, consumer buying price, delivered mill Alabama, \$/gross ton	10 Jan 2022	400	-11.11%	Dec 2021	450
MB-STE-0214	Steel scrap No2 heavy melt, consumer buying price, delivered mill Alabama, \$/gross ton	10 Jan 2022	390	-11.36%	Dec 2021	440
MB-STE-0216	Steel scrap No1 busheling, consumer buying price, delivered mill Alabama, \$/gross ton	10 Jan 2022	515	-10.43%	Dec 2021	575
MB-STE-0215	Steel scrap No1 bundles, consumer buying price, delivered mill Alabama, \$/gross ton	10 Jan 2022	507	-10.58%	Dec 2021	567
MB-STE-0218	Steel scrap machine shop turnings, consumer buying price, delivered mill Alabama, \$/gross ton	10 Jan 2022	325	-13.33%	Dec 2021	375
MB-STE-0217	Steel scrap shredded auto scrap, consumer buying price, delivered mill Alabama, \$/gross ton	10 Jan 2022	468	-9.65%	Dec 2021	518
MB-STE-0219	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Alabama, \$/gross ton	10 Jan 2022	445	-10.10%	Dec 2021	495
MB-STE-0220	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Alabama, \$/gross ton	10 Jan 2022	420	-10.64%	Dec 2021	470

Arkansas/Tennessee

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0221	Steel scrap No1 heavy melt, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	11 Jan 2022	415	-12.63%	Dec 2021	475
MB-STE-0224	Steel scrap No1 busheling, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	11 Jan 2022	550	-9.84%	Dec 2021	610
MB-STE-0222	Steel scrap No1 bundles, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	11 Jan 2022	545	-9.92%	Dec 2021	605
MB-STE-0223	Steel scrap No2 bundles, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	11 Jan 2022	392	-13.27%	Dec 2021	452
MB-STE-0226	Steel scrap machine shop turnings, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	11 Jan 2022	320	-13.51%	Dec 2021	370
MB-STE-0225	Steel scrap shredded auto scrap, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	11 Jan 2022	465	-11.43%	Dec 2021	525
MB-STE-0227	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	11 Jan 2022	435	-12.12%	Dec 2021	495

Atlanta

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0340	Steel scrap No1 heavy melt, dealer selling price, fob dealer yard Atlanta, \$/gross ton	10 Jan 2022	366	-12.02%	Dec 2021	416
MB-STE-0341	Steel scrap No1 busheling, dealer selling price, fob dealer yard Atlanta, \$/gross ton	10 Jan 2022	463	-10.62%	Dec 2021	518
MB-STE-0343	Steel scrap machine shop turnings, dealer selling price, fob dealer yard Atlanta, \$/gross ton	10 Jan 2022	220	-18.52%	Dec 2021	270

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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0342	Steel scrap shredded auto scrap, dealer selling price, fob dealer yard Atlanta, \$/gross ton	10 Jan 2022	406	-10.96%	Dec 2021	456
MB-STE-0344	Steel scrap cut structural/plate 5ft max, dealer selling price, fob dealer yard Atlanta, \$/gross ton	10 Jan 2022	376	-11.74%	Dec 2021	426

Bajio

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0553	Steel scrap No1 heavy melt, consumer buying price, delivered mill Bajio, \$/tonne	11 Jan 2022	400	2.83%	Dec 2021	347.25
MB-STE-0551	Steel scrap No1 busheling, consumer buying price, delivered mill Bajio, \$/tonne	11 Jan 2022	540	0.56%	Dec 2021	531
MB-STE-0552	Steel scrap No1 busheling, consumer buying price, delivered mill Bajio, peso/tonne	11 Jan 2022	11050	0.00%	Dec 2021	11200
MB-STE-0549	Steel scrap machine shop turnings, consumer buying price, delivered mill Bajio, \$/tonne	11 Jan 2022	347	0.58%	Dec 2021	305.75
MB-STE-0550	Steel scrap machine shop turnings, consumer buying price, delivered mill Bajio, peso/tonne	11 Jan 2022	7100	0.00%	Dec 2021	6450
MB-STE-0556	Steel scrap shredded auto scrap, consumer buying price, delivered mill Bajio, peso/tonne	11 Jan 2022	10750	0.47%	Dec 2021	10637.5
MB-STE-0547	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Bajio, \$/tonne	11 Jan 2022	474	2.82%	Dec 2021	425
MB-STE-0548	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Bajio, peso/tonne	11 Jan 2022	9700	2.11%	Dec 2021	8962.5
MB-STE-0554	Steel scrap No1 heavy melt, consumer buying price, delivered mill Bajio, peso/tonne	11 Jan 2022	8200	2.50%	Dec 2021	7325
MB-STE-0555	Steel scrap shredded auto scrap, consumer buying price, delivered mill Bajio, \$/tonne	11 Jan 2022	525	0.96%	Dec 2021	504.25

Birmingham

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0698	Steel scrap No1 heavy melting, broker buying price, fob Birmingham, \$/gross ton	07 Dec 2021	313	0.00%	Dec 2021	313
MB-STE-0699	Steel scrap No2 heavy melting, broker buying price, fob Birmingham, \$/gross ton	07 Dec 2021	303	0.00%	Dec 2021	303
MB-STE-0710	Steel scrap plate and structurals 5ft and under, broker buying price, fob Birmingham \$/gross ton	07 Dec 2021	385	0.00%	Dec 2021	385
MB-STE-0704	Steel scrap machine shop turnings, broker buying price, fob Birmingham \$/gross ton	07 Dec 2021	270	0.00%	Dec 2021	270
MB-STE-0703	Steel scrap shredded scrap, broker buying price, fob Birmingham \$/gross ton	07 Dec 2021	480	0.00%	Dec 2021	480
MB-STE-0702	Steel scrap No1 busheling, broker buying price, fob Birmingham \$/gross ton	07 Dec 2021	475	0.00%	Dec 2021	475
MB-STE-0700	Steel scrap No1 dealer bundles, broker buying price, fob Birmingham, \$/gross ton	07 Dec 2021	505	0.00%	Dec 2021	505

Boston

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0366	Steel scrap No1 heavy melt, export yard buying price, delivered to yard Boston, \$/gross ton	10 Jan 2022	340	-4.23%	Dec 2021	358.75
MB-STE-0367	Steel scrap No2 bundles, export yard buying price, delivered to yard Boston, \$/gross ton	10 Jan 2022	260	-5.45%	Dec 2021	278.75
MB-STE-0370	Steel scrap auto bodies, export yard buying price, delivered to yard Boston, \$/gross ton	10 Jan 2022	225	0.00%	Dec 2021	235

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0369	Steel scrap unstripped motor blocks, export yard buying price, delivered to yard Boston, \$/gross ton	10 Jan 2022	340	-4.23%	Dec 2021	358.75
MB-STE-0368	Steel scrap mixed cast, export yard buying price, delivered to yard Boston, \$/gross ton	10 Jan 2022	325	-4.41%	Dec 2021	343.75
MB-STE-0371	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard Boston, \$/gross ton	10 Jan 2022	350	-4.11%	Dec 2021	368.75

Chicago

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0228	Steel scrap No1 heavy melt, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	410	-14.58%	Dec 2021	480
MB-STE-0232	Steel scrap No1 busheling, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	520	-10.34%	Dec 2021	580
MB-STE-0230	Steel scrap No1 bundles, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	525	-10.26%	Dec 2021	585
MB-STE-0248	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	420	-12.50%	Dec 2021	480
MB-STE-0231	Steel scrap No2 bundles, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	270	-20.59%	Dec 2021	340
MB-STE-0234	Steel scrap machine shop turnings, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	270	-18.18%	Dec 2021	330
MB-STE-0233	Steel scrap shredded auto scrap, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	480	-11.11%	Dec 2021	540
MB-STE-0578	Steel scrap low-residual, ductile-quality shredded clips, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	682	-8.09%	Dec 2021	742
MB-STE-0241	Steel scrap unstripped motor blocks, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	504	-9.03%	Dec 2021	554
MB-STE-0235	Steel scrap cast iron borings, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	300	-18.92%	Dec 2021	370
MB-STE-0239	Steel scrap cupola cast, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	559	-8.21%	Dec 2021	609
MB-STE-0240	Steel scrap clean auto cast, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	622	-7.44%	Dec 2021	672
MB-STE-0242	Steel scrap heavy breakable cast, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	502	-9.06%	Dec 2021	552
MB-STE-0243	Steel scrap drop broken machinery cast, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	537	-8.52%	Dec 2021	587
MB-STE-0238	Steel scrap foundry steel 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	484	-11.03%	Dec 2021	544
MB-STE-0244	Steel scrap rail crops 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	553	-8.29%	Dec 2021	603
MB-STE-0246	Steel scrap steel car wheels, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	485	-11.01%	Dec 2021	545
MB-STE-0577	Steel scrap low-residual, black foundry busheling, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	682	-8.09%	Dec 2021	742
MB-STE-0236	Steel scrap cut structural/plate 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	584	-7.89%	Dec 2021	634
MB-STE-0237	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	445	-11.88%	Dec 2021	505

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0579	Steel scrap low-alloy punchings, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	702	-7.87%	Dec 2021	762
MB-STE-0229	Steel scrap No2 heavy melt, consumer buying price, delivered mill Chicago, \$/gross ton	10 Jan 2022	395	-15.05%	Dec 2021	465

Cincinnati

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0249	Steel scrap No1 heavy melt, consumer buying price, delivered mill Cincinnati, \$/gross ton	10 Jan 2022	400	-13.04%	Dec 2021	460
MB-STE-0251	Steel scrap No1 busheling, consumer buying price, delivered mill Cincinnati, \$/gross ton	10 Jan 2022	515	-10.43%	Dec 2021	575
MB-STE-0250	Steel scrap No1 bundles, consumer buying price, delivered mill Cincinnati, \$/gross ton	10 Jan 2022	515	-10.43%	Dec 2021	575
MB-STE-0253	Steel scrap machine shop turnings, consumer buying price, delivered mill Cincinnati, \$/gross ton	10 Jan 2022	227	-20.91%	Dec 2021	287
MB-STE-0252	Steel scrap shredded auto scrap, consumer buying price, delivered mill Cincinnati, \$/gross ton	10 Jan 2022	445	-11.88%	Dec 2021	505
MB-STE-0254	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Cincinnati, \$/gross ton	10 Jan 2022	425	-12.37%	Dec 2021	485

Cleveland

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0255	Steel scrap No1 heavy melt, consumer buying price, delivered mill Cleveland, \$/gross ton	10 Jan 2022	420	-12.50%	Dec 2021	480
MB-STE-0257	Steel scrap No1 busheling, consumer buying price, delivered mill Cleveland, \$/gross ton	10 Jan 2022	580	-9.38%	Dec 2021	640
MB-STE-0256	Steel scrap No1 bundles, consumer buying price, delivered mill Cleveland, \$/gross ton	10 Jan 2022	580	-9.38%	Dec 2021	640
MB-STE-0269	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Cleveland, \$/gross ton	10 Jan 2022	410	-12.77%	Dec 2021	470
MB-STE-0259	Steel scrap machine shop turnings, consumer buying price, delivered mill Cleveland, \$/gross ton	10 Jan 2022	245	-19.67%	Dec 2021	305
MB-STE-0258	Steel scrap shredded auto scrap, consumer buying price, delivered mill Cleveland, \$/gross ton	10 Jan 2022	470	-11.32%	Dec 2021	530
MB-STE-0260	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Cleveland, \$/gross ton	10 Jan 2022	440	-12.00%	Dec 2021	500
MB-STE-0653	Steel scrap punchings and plate, broker buying price, fob Cleveland, \$/gross ton	10 Jan 2022	725	-7.05%	Dec 2021	780

Detroit

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0272	Steel scrap No1 busheling, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	495	-10.81%	Dec 2021	555
MB-STE-0271	Steel scrap No1 bundles, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	485	-11.01%	Dec 2021	545
MB-STE-0634	Steel scrap No1 dealer bundles, broker buying price, fob Detroit, \$/gross ton	06 Dec 2021	390	0.00%	Dec 2021	390
MB-STE-0279	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	370	-13.95%	Dec 2021	430

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0274	Steel scrap machine shop turnings, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	145	-29.27%	Dec 2021	205
MB-STE-0273	Steel scrap shredded auto scrap, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	460	-11.54%	Dec 2021	520
MB-STE-0636	Steel scrap shredded scrap, broker buying price, fob Detroit, \$/gross ton	06 Dec 2021	393	0.00%	Dec 2021	393
MB-STE-0277	Steel scrap cupola cast, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	395	-13.19%	Dec 2021	455
MB-STE-0278	Steel scrap clean auto cast, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	435	-12.12%	Dec 2021	495
MB-STE-0276	Steel scrap foundry steel 2ft max, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	410	-12.77%	Dec 2021	470
MB-STE-0640	Steel scrap cast iron borings, broker buying price, fob Detroit, \$/gross ton	06 Dec 2021	115	0.00%	Dec 2021	115
MB-STE-0275	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	420	-12.50%	Dec 2021	480
MB-STE-0637	Steel scrap plate and structurals 5ft and under, broker buying price, fob Detroit, \$/gross ton	06 Dec 2021	356	0.00%	Dec 2021	356
MB-STE-0633	Steel scrap No1 heavy melting, broker buying price, fob Detroit, \$/gross ton	06 Dec 2021	325	0.00%	Dec 2021	325
MB-STE-0635	Steel scrap No1 busheling, broker buying price, fob Detroit, \$/gross ton	06 Dec 2021	438	0.00%	Dec 2021	438
MB-STE-0638	Steel scrap machine shop turnings, broker buying price, fob Detroit, \$/gross ton	06 Dec 2021	85	0.00%	Dec 2021	85
MB-STE-0270	Steel scrap No1 heavy melt, consumer buying price, delivered mill Detroit, \$/gross ton	10 Jan 2022	405	-12.90%	Dec 2021	465

Hamilton

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0333	Steel scrap No1 heavy melt, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	11 Jan 2022	339	-18.12%	Dec 2021	414
MB-STE-0772	Steel scrap No1 heavy melting, broker buying price, fob Hamilton, Canadian \$/net ton	07 Dec 2021	359	4.36%	Dec 2021	359
MB-STE-0335	Steel scrap No1 busheling, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	11 Jan 2022	531	-12.38%	Dec 2021	606
MB-STE-0774	Steel scrap No1 busheling, broker buying price, fob Hamilton, Canadian \$/net ton	07 Dec 2021	505	4.12%	Dec 2021	505
MB-STE-0334	Steel scrap No1 bundles, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	11 Jan 2022	545	-12.10%	Dec 2021	620
MB-STE-0773	Steel scrap No1 dealer bundles, broker buying price, fob Hamilton, Canadian \$/net ton	07 Dec 2021	610	3.39%	Dec 2021	610
MB-STE-0777	Steel scrap machine shop turnings, broker buying price, fob Hamilton, Canadian \$/ net ton	07 Dec 2021	236	0.00%	Dec 2021	236
MB-STE-0336	Steel scrap shredded auto scrap, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	11 Jan 2022	543	-12.14%	Dec 2021	618
MB-STE-0776	Steel scrap shredded scrap, broker buying price, fob Hamilton, Canadian \$/ net ton	07 Dec 2021	340	4.62%	Dec 2021	340
MB-STE-0337	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	11 Jan 2022	362	-17.16%	Dec 2021	437

Houston

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0350	Steel scrap No1 heavy melt, dealer selling price, fob dealer yard Houston, \$/gross ton	11 Jan 2022	225	-21.05%	Dec 2021	285
MB-STE-0765	Steel scrap No1 heavy melting, broker buying price, fob Houston \$/gross ton	07 Dec 2021	280	0.00%	Dec 2021	280
MB-STE-0766	Steel scrap No2 heavy melting, broker buying price, fob Houston \$/gross ton	07 Dec 2021	270	0.00%	Dec 2021	270
MB-STE-0351	Steel scrap No1 busheling, dealer selling price, fob dealer yard Houston, \$/gross ton	11 Jan 2022	342	-14.93%	Dec 2021	402
MB-STE-0405	Steel scrap No1 busheling, consumer buying price trend, delivered mill Houston, \$/gross ton	11 Jan 2022	(60)		Dec 2021	0
MB-STE-0767	Steel scrap No1 busheling, broker buying price, fob Houston \$/gross ton	07 Dec 2021	430	0.00%	Dec 2021	430
MB-STE-0353	Steel scrap machine shop turnings, dealer selling price, fob dealer yard Houston, \$/gross ton	11 Jan 2022	145	-29.27%	Dec 2021	205
MB-STE-0769	Steel scrap machine shop turnings, broker buying price, fob Houston \$/gross ton	07 Dec 2021	200	0.00%	Dec 2021	200
MB-STE-0352	Steel scrap shredded auto scrap, dealer selling price, fob dealer yard Houston, \$/gross ton	11 Jan 2022	275	-17.91%	Dec 2021	335
MB-STE-0768	Steel scrap shredded scrap, broker buying price, fob Houston \$/gross ton	07 Dec 2021	325	0.00%	Dec 2021	325
MB-STE-0354	Steel scrap cut structural/plate 5ft max, dealer selling price, fob dealer yard Houston, \$/gross ton	11 Jan 2022	260	-18.75%	Dec 2021	320
MB-STE-0408	Steel scrap cut structural/plate 5ft max, consumer buying price trend, delivered mill Houston, \$/gross ton	11 Jan 2022	(60)		Dec 2021	0
MB-STE-0770	Steel scrap plate and structurals 5ft and under, broker buying price, fob Houston \$/gross ton	07 Dec 2021	305	0.00%	Dec 2021	305
MB-STE-0404	Steel scrap No1 heavy melt, consumer buying price trend, delivered mill Houston, \$/gross ton	11 Jan 2022	(60)		Dec 2021	0
MB-STE-0407	Steel scrap machine shop turnings, consumer buying price trend, delivered mill Houston, \$/gross ton	11 Jan 2022	(60)		Dec 2021	0
MB-STE-0406	Steel scrap shredded auto scrap, consumer buying price trend, delivered mill Houston, \$/gross ton	11 Jan 2022	(60)		Dec 2021	0

Los Angeles

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0372	Steel scrap No1 heavy melt, export yard buying price, delivered to yard Los Angeles, \$/gross ton	10 Jan 2022	265	0.00%	Dec 2021	265
MB-STE-0425	Steel scrap HMS 1&2 (80:20), export index, fob Los Angeles, \$/tonne	05 Jan 2022	475	0.00%	Dec 2021	475
MB-STE-0374	Steel scrap No1 busheling, export yard buying price, delivered to yard Los Angeles, \$/gross ton	10 Jan 2022	275	0.00%	Dec 2021	275
MB-STE-0373	Steel scrap No2 bundles, export yard buying price, delivered to yard Los Angeles, \$/gross ton	10 Jan 2022	165	0.00%	Dec 2021	165
MB-STE-0375	Steel scrap machine shop turnings, export yard buying price, delivered to yard Los Angeles, \$/gross ton	10 Jan 2022	60	0.00%	Dec 2021	60
MB-STE-0378	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard Los Angeles, \$/gross ton	10 Jan 2022	275	0.00%	Dec 2021	275

Midwest

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0424	Steel scrap No1 heavy melt, index, delivered Midwest mill, \$/gross ton	10 Jan 2022	423.92	-11.70%	Dec 2021	480.08
MB-STE-0882	Steel scrap No1 busheling, indicator, delivered Midwest mill, \$/gross ton	11 Jan 2022	542	-0.55%	Dec 2021	595.38

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0422	Steel scrap No1 busheling, index, delivered Midwest mill, \$/gross ton	10 Jan 2022	542.33	-10.18%	Dec 2021	603.81
MB-STE-0423	Steel scrap shredded, index, delivered Midwest mill, \$/gross ton	10 Jan 2022	481.39	-10.88%	Dec 2021	540.16
MB-STE-0787	Steel scrap shredder feed, fob Midwest, \$/gross ton	10 Jan 2022	199.84	-6.72%	Dec 2021	220.07

Monterrey

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0533	Steel scrap No1 heavy melt, consumer buying price, delivered mill Monterrey, \$/tonne	11 Jan 2022	349	4.80%	Dec 2021	324.5
MB-STE-0534	Steel scrap No1 heavy melt, consumer buying price, delivered mill Monterrey, peso/tonne	11 Jan 2022	7150	4.38%	Dec 2021	6850
MB-STE-0539	Steel scrap No1 busheling, consumer buying price, delivered mill Monterrey, \$/tonne	11 Jan 2022	535	0.56%	Dec 2021	519
MB-STE-0540	Steel scrap No1 busheling, consumer buying price, delivered mill Monterrey, peso/tonne	11 Jan 2022	10950	0.00%	Dec 2021	10950
MB-STE-0541	Steel scrap machine shop turnings, consumer buying price, delivered mill Monterrey, \$/tonne	11 Jan 2022	322	0.31%	Dec 2021	312.75
MB-STE-0542	Steel scrap machine shop turnings, consumer buying price, delivered mill Monterrey, peso/tonne	11 Jan 2022	6600	0.00%	Dec 2021	6600
MB-STE-0535	Steel scrap shredded auto scrap, consumer buying price, delivered mill Monterrey, \$/tonne	11 Jan 2022	527	0.38%	Dec 2021	512
MB-STE-0536	Steel scrap shredded auto scrap, consumer buying price, delivered mill Monterrey, peso/tonne	11 Jan 2022	10800	0.00%	Dec 2021	10800
MB-STE-0537	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Monterrey, \$/tonne	11 Jan 2022	503	3.50%	Dec 2021	465.75
MB-STE-0538	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Monterrey, peso/tonne	11 Jan 2022	10300	3.00%	Dec 2021	9825

Montreal

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0789	Steel scrap No1 heavy melting, consumer buying price, fob Montreal, Canadian \$/net ton	06 Dec 2021	435	0.00%	Dec 2021	435
MB-STE-0790	Steel scrap No1 busheling, consumer buying price, fob Montreal, Canadian \$/net ton	06 Dec 2021	557	0.00%	Dec 2021	557
MB-STE-0848	Steel scrap No2 bundles, consumer buying price, fob Montreal, Canadian \$/net ton	06 Dec 2021	345	0.00%	Dec 2021	345
MB-STE-0792	Steel scrap machine shop turnings, consumer buying price, fob Montreal, Canadian \$/net ton	06 Dec 2021	365	0.00%	Dec 2021	365
MB-STE-0793	Steel scrap cut structural/plate 5ft max, consumer buying price, fob Montreal, Canadian \$/net ton	06 Dec 2021	475	0.00%	Dec 2021	475

New York

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0379	Steel scrap No1 heavy melt, export yard buying price, delivered to yard New York, \$/gross ton	10 Jan 2022	365	-1.35%	Dec 2021	372.5
MB-STE-0418	Steel scrap HMS 1&2 (80:20), export index, fob New York, \$/tonne	05 Jan 2022	417.5	0.00%	Dec 2021	432.5
MB-STE-0380	Steel scrap No2 bundles, export yard buying price, delivered to yard New York, \$/gross ton	10 Jan 2022	315	-1.56%	Dec 2021	322.5

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0381	Steel scrap machine shop turnings, export yard buying price, delivered to yard New York, \$/gross ton	10 Jan 2022	260	-1.89%	Dec 2021	267.5
MB-STE-0419	Steel scrap shredded scrap, export index, fob New York, \$/tonne	05 Jan 2022	432.5	0.00%	Dec 2021	449.5
MB-STE-0384	Steel scrap auto bodies, export yard buying price, delivered to yard New York, \$/gross ton	10 Jan 2022	345	-1.43%	Dec 2021	352.5
MB-STE-0383	Steel scrap unstripped motor blocks, export yard buying price, delivered to yard New York, \$/gross ton	10 Jan 2022	380	-1.30%	Dec 2021	387.5
MB-STE-0382	Steel scrap mixed cast, export yard buying price, delivered to yard New York, \$/gross ton	10 Jan 2022	360	-1.37%	Dec 2021	367.5
MB-STE-0385	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard New York, \$/gross ton	10 Jan 2022	375	-1.32%	Dec 2021	382.5

North Carolina/Virginia

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0280	Steel scrap No1 heavy melt, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	10 Jan 2022	410	-10.87%	Dec 2021	460
MB-STE-0281	Steel scrap No1 busheling, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	10 Jan 2022	500	-9.09%	Dec 2021	550
MB-STE-0283	Steel scrap machine shop turnings, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	10 Jan 2022	325	-13.33%	Dec 2021	375
MB-STE-0282	Steel scrap, shredded auto scrap, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	10 Jan 2022	440	-10.20%	Dec 2021	490
MB-STE-0284	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	10 Jan 2022	420	-10.64%	Dec 2021	470

Philadelphia

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0285	Steel scrap No1 heavy melt, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	395	-10.23%	Dec 2021	440
MB-STE-0386	Steel scrap No1 heavy melt, export yard buying price, delivered to yard Philadelphia, \$/gross ton	10 Jan 2022	365	-1.35%	Dec 2021	372.5
MB-STE-0288	Steel scrap No1 busheling, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	505	-8.18%	Dec 2021	550
MB-STE-0286	Steel scrap No1 bundles, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	505	-8.18%	Dec 2021	550
MB-STE-0287	Steel scrap No2 bundles, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	355	-11.25%	Dec 2021	400
MB-STE-0387	Steel scrap No2 bundles, export yard buying price, delivered to yard Philadelphia, \$/gross ton	10 Jan 2022	290	-1.69%	Dec 2021	297.5
MB-STE-0290	Steel scrap machine shop turnings, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	275	-17.91%	Dec 2021	335
MB-STE-0289	Steel scrap shredded auto scrap, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	470	-8.74%	Dec 2021	515
MB-STE-0390	Steel scrap auto bodies, export yard buying price, delivered to yard Philadelphia, \$/gross ton	10 Jan 2022	330	-1.49%	Dec 2021	337.5
MB-STE-0297	Steel scrap unstripped motor blocks, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	415	-9.78%	Dec 2021	460

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0389	Steel scrap unstripped motor blocks, export yard buying price, delivered to yard Philadelphia, \$/gross ton	10 Jan 2022	360	-1.37%	Dec 2021	367.5
MB-STE-0295	Steel scrap cupola cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	410	-9.89%	Dec 2021	455
MB-STE-0296	Steel scrap clean auto cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	405	-10.00%	Dec 2021	450
MB-STE-0298	Steel scrap heavy breakable cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	361	-11.08%	Dec 2021	406
MB-STE-0299	Steel scrap drop broken machinery, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	466	-8.81%	Dec 2021	511
MB-STE-0300	Steel scrap rail crops 2ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	530	-7.83%	Dec 2021	575
MB-STE-0301	Steel scrap random rails, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	505	-8.18%	Dec 2021	550
MB-STE-0291	Steel scrap cut structural/plate 2ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	520	-7.96%	Dec 2021	565
MB-STE-0292	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	415	-9.78%	Dec 2021	460
MB-STE-0293	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	10 Jan 2022	405	-10.00%	Dec 2021	450
MB-STE-0391	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard Philadelphia, \$/gross ton	10 Jan 2022	375	-1.32%	Dec 2021	382.5

Pittsburgh

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0303	Steel scrap No1 heavy melt, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	415	-12.63%	Dec 2021	475
MB-STE-0306	Steel scrap No1 busheling, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	550	-9.84%	Dec 2021	610
MB-STE-0304	Steel scrap No1 bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	531	-10.15%	Dec 2021	591
MB-STE-0305	Steel scrap No2 bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	329	-15.42%	Dec 2021	389
MB-STE-0307	Steel scrap No1 industrial bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	557	-9.72%	Dec 2021	617
MB-STE-0321	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	320	-15.79%	Dec 2021	380
MB-STE-0309	Steel scrap machine shop turnings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	315	-16.00%	Dec 2021	375
MB-STE-0308	Steel scrap shredded auto scrap, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	470	-11.32%	Dec 2021	530
MB-STE-0310	Steel scrap cast iron borings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	270	-18.18%	Dec 2021	330
MB-STE-0388	Steel scrap mixed cast, export yard buying price, delivered to yard Philadelphia, \$/gross ton	10 Jan 2022	365	-1.35%	Dec 2021	372.5
MB-STE-0311	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	465	-11.43%	Dec 2021	525
MB-STE-0312	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	445	-11.88%	Dec 2021	505

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0598	Steel scrap punchings and plate, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	777	-6.61%	Dec 2021	832

Seattle/Portland

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0409	Steel scrap No1 heavy melt, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	10 Jan 2022	(28)		Dec 2021	0
MB-STE-0411	Steel scrap machine shop turnings, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	10 Jan 2022	(28)		Dec 2021	0
MB-STE-0410	Steel scrap shredded auto scrap, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	10 Jan 2022	(28)		Dec 2021	0
MB-STE-0412	Steel scrap cut structural/plate 5ft max, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	10 Jan 2022	(28)		Dec 2021	0

South Carolina

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0322	Steel scrap No1 heavy melt, consumer buying price, delivered mill South Carolina, \$/gross ton	10 Jan 2022	410	-10.87%	Dec 2021	460
MB-STE-0323	Steel scrap No1 busheling, consumer buying price, delivered mill South Carolina, \$/gross ton	10 Jan 2022	500	-9.09%	Dec 2021	550
MB-STE-0324	Steel scrap shredded auto scrap, consumer buying price, delivered mill South Carolina, \$/gross ton	10 Jan 2022	440	-10.20%	Dec 2021	490
MB-STE-0326	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill South Carolina, \$/gross ton	10 Jan 2022	420	-10.64%	Dec 2021	470
MB-STE-0325	Steel scrap machine shop turnings, consumer buying price, delivered mill South Carolina, \$/gross ton	10 Jan 2022	325	-13.33%	Dec 2021	375

St Louis

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0355	Steel scrap No1 heavy melt, dealer selling price, fob dealer yard St Louis, \$/gross ton	11 Jan 2022	338	-15.08%	Dec 2021	398
MB-STE-0621	Steel scrap No1 heavy melting, broker buying price, fob St Louis, \$/gross ton	07 Dec 2021	415	-2.35%	Dec 2021	415
MB-STE-0622	Steel scrap No2 heavy melting, broker buying price, fob St Louis, \$/gross ton	07 Dec 2021	405	-2.41%	Dec 2021	405
MB-STE-0357	Steel scrap No1 busheling, dealer selling price, fob dealer yard St Louis, \$/gross ton	11 Jan 2022	488	-10.95%	Dec 2021	548
MB-STE-0623	Steel scrap No1 busheling, broker buying price, fob St Louis, \$/gross ton	07 Dec 2021	555	-1.77%	Dec 2021	555
MB-STE-0356	Steel scrap No1 bundles, dealer selling price, fob dealer yard St Louis, \$/gross ton	11 Jan 2022	488	-10.95%	Dec 2021	548
MB-STE-0624	Steel scrap No1 dealer bundles, broker buying price, fob St Louis, \$/gross ton	07 Dec 2021	550	-1.79%	Dec 2021	550
MB-STE-0359	Steel scrap machine shop turnings, dealer selling price, fob dealer yard St Louis, \$/gross ton	11 Jan 2022	210	-20.75%	Dec 2021	265
MB-STE-0627	Steel scrap machine shop turnings, broker buying price, fob St Louis, \$/gross ton	07 Dec 2021	260	-3.70%	Dec 2021	260
MB-STE-0358	Steel scrap shredded auto scrap, dealer selling price, fob dealer yard St Louis, \$/gross ton	11 Jan 2022	401	-13.02%	Dec 2021	461
MB-STE-0360	Steel scrap cut structural/plate 5ft max, dealer selling price, fob dealer yard St Louis, \$/gross ton	11 Jan 2022	353	-14.53%	Dec 2021	413

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0631	Steel scrap plate and structurals 5ft and under, broker buying price, fob St Louis, \$/gross ton	07 Dec 2021	430	-2.27%	Dec 2021	430
MB-STE-0626	Steel scrap shredded scrap, broker buying price, fob St Louis, \$/gross ton	07 Dec 2021	455	-2.15%	Dec 2021	455

Composite

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0528	Steel scrap No1 heavy melt, consumer buying price, delivered mill Chicago, \$/gross ton, weekly composite	07 Jan 2022	480	0.00%	Dec 2021	
MB-STE-0529	Steel scrap No1 heavy melt, consumer buying price, delivered mill Philadelphia, \$/gross ton, weekly composite	07 Jan 2022	440	0.00%	Dec 2021	
MB-STE-0530	Steel scrap No1 heavy melt, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	07 Jan 2022	475	0.00%	Dec 2021	
MB-STE-0531	Steel scrap No1 heavy melt, consumer buying price, delivered mill, \$/gross ton, weekly composite	07 Jan 2022	465	0.00%	Dec 2021	
MB-STE-0524	Steel scrap No1 busheling, consumer buying price, delivered mill Chicago, \$/gross ton, weekly composite	07 Jan 2022	580	0.00%	Dec 2021	
MB-STE-0525	Steel scrap No1 busheling, consumer buying price, delivered mill Cleveland, \$/gross ton, weekly composite	07 Jan 2022	640	0.00%	Dec 2021	
MB-STE-0526	Steel scrap No1 busheling, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	07 Jan 2022	610	0.00%	Dec 2021	
MB-STE-0527	Steel scrap No1 busheling, consumer buying price, delivered mill, \$/gross ton, weekly composite	07 Jan 2022	610	0.00%	Dec 2021	
MB-STE-0427	Steel scrap Shredded auto, daily composite, delivered mill US, \$/gross ton	11 Jan 2022	472	0.00%	Dec 2021	525.44
MB-STE-0519	Steel scrap shredded auto scrap, consumer buying price, delivered mill Alabama, \$/gross ton, weekly composite	07 Jan 2022	518	0.00%	Dec 2021	
MB-STE-0520	Steel scrap shredded auto scrap, consumer buying price, delivered mill Chicago, \$/gross ton, weekly composite	07 Jan 2022	540	0.00%	Dec 2021	
MB-STE-0521	Steel scrap shredded auto scrap, consumer buying price, delivered mill Philadelphia, \$/gross ton, weekly composite	07 Jan 2022	515	0.00%	Dec 2021	
MB-STE-0522	Steel scrap shredded auto scrap, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	07 Jan 2022	530	0.00%	Dec 2021	
MB-STE-0523	Steel scrap shredded auto scrap, consumer buying price, delivered mill, \$/gross ton, weekly composite	07 Jan 2022	525.75	0.00%	Dec 2021	
MB-STE-0426	Steel scrap No1 heavy melt, daily composite, delivered mill US, \$/gross ton	11 Jan 2022	406.67	0.00%	Dec 2021	465
MB-STE-0428	Steel scrap No1 busheling, daily composite, delivered mill US, \$/gross ton	11 Jan 2022	550	0.00%	Dec 2021	610

US steel scrap shredder feed prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0786	Steel scrap shredder feed, fob Ohio Valley, \$/gross ton	10 Jan 2022	214.98	-5.69%	Dec 2021	234.7
MB-STE-0787	Steel scrap shredder feed, fob Midwest, \$/gross ton	10 Jan 2022	199.84	-6.72%	Dec 2021	220.07
MB-STE-0788	Steel scrap shredder feed, fob Southeast, \$/gross ton	10 Jan 2022	171.56	-5.34%	Dec 2021	186.71

Boston stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0178	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Boston, US cents/lb	11 Jan 2022	32 - 33	0.00%	Dec 2021	32 - 33
MB-ST5-0056	Stainless steel scrap 430 bundles, export yard buying price, delivered to yard Boston, \$/gross ton	11 Jan 2022	717 - 739	0.00%	Dec 2021	717 - 739

Chicago stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0185	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Chicago, \$/gross ton	04 Jan 2022	1478 - 1702	6.75%	Dec 2021	1366 - 1613
MB-ST5-0063	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Chicago, US cents/lb	04 Jan 2022	66 - 76	6.77%	Dec 2021	61 - 72
MB-ST5-0190	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Chicago, US cents/lb	11 Jan 2022	94 - 96	2.15%	Dec 2021	90.25 - 93.25
MB-ST5-0068	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	11 Jan 2022	2106 - 2150	2.16%	Dec 2021	2021.75 - 2088.75
MB-ST5-0186	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Chicago, \$/gross ton	04 Jan 2022	1568 - 1859	6.99%	Dec 2021	1478 - 1725
MB-ST5-0064	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Chicago, US cents/lb	04 Jan 2022	70 - 83	6.99%	Dec 2021	66 - 77
MB-ST5-0189	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Chicago, US cents/lb	11 Jan 2022	99 - 102	1.52%	Dec 2021	95.5 - 98.25
MB-ST5-0067	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Chicago, \$/gross ton	11 Jan 2022	2218 - 2285	1.53%	Dec 2021	2139.25 - 2200.75
MB-ST5-0184	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Chicago, \$/gross ton	04 Jan 2022	1568 - 1859	6.99%	Dec 2021	1478 - 1725
MB-ST5-0062	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Chicago, US cents/lb	04 Jan 2022	70 - 83	6.99%	Dec 2021	66 - 77
MB-ST5-0191	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Chicago, US cents/lb	11 Jan 2022	36 - 39	2.74%	Dec 2021	35 - 38
MB-ST5-0069	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Chicago, \$/gross ton	11 Jan 2022	806 - 874	2.75%	Dec 2021	784.25 - 851.5
MB-ST5-0187	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Chicago, \$/gross ton	04 Jan 2022	515 - 582	-5.84%	Dec 2021	538 - 627
MB-ST5-0065	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Chicago, US cents/lb	04 Jan 2022	23 - 26	-5.77%	Dec 2021	24 - 28
MB-ST5-0192	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Chicago, US cents/lb	11 Jan 2022	32 - 34	3.13%	Dec 2021	30.25 - 33.5
MB-ST5-0070	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	11 Jan 2022	717 - 762	3.21%	Dec 2021	677.5 - 750.5
MB-ST5-0194	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Chicago, US cents/lb	11 Jan 2022	27 - 31	7.41%	Dec 2021	26.25 - 29
MB-ST5-0072	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	11 Jan 2022	605 - 694	7.44%	Dec 2021	588 - 649.5
MB-ST5-0193	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Chicago, US cents/lb	11 Jan 2022	31 - 34	1.56%	Dec 2021	31.5 - 34
MB-ST5-0071	Stainless steel scrap 409 bundles, broker buying price, delivered to processor Chicago, \$/gross ton	11 Jan 2022	694 - 762	1.61%	Dec 2021	705.25 - 761.5
MB-ST5-0183	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Chicago, \$/gross ton	04 Jan 2022	2374 - 2464	9.63%	Dec 2021	1971 - 2442

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0061	Stainless steel scrap 316 solids, dealer buying price, delivered to yard Chicago, US cents/lb	04 Jan 2022	106 - 110	9.64%	Dec 2021	88 - 109
MB-ST5-0066	Stainless steel scrap 316 solids, broker buying price, delivered to processor Chicago, \$/gross ton	11 Jan 2022	2912 - 3091	2.69%	Dec 2021	2856 - 3001.5
MB-ST5-0188	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Chicago, US cents/lb	11 Jan 2022	130 - 138	2.68%	Dec 2021	127.5 - 134

Cleveland stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0197	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Cleveland, \$/gross	04 Jan 2022	1456 - 1568	6.29%	Dec 2021	1389 - 1456
MB-ST5-0202	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Cleveland, US cents/lb	11 Jan 2022	95 - 96	3.24%	Dec 2021	90 - 93.25
MB-ST5-0201	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Cleveland, US cents/lb	11 Jan 2022	100 - 102	3.59%	Dec 2021	95.25 - 98.5
MB-ST5-0079	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Cleveland, \$/gross ton	11 Jan 2022	2240 - 2285	3.59%	Dec 2021	2133.75 - 2206.5
MB-ST5-0196	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Cleveland, \$/gross	04 Jan 2022	1568 - 1680	6.63%	Dec 2021	1478 - 1568
MB-ST5-0074	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Cleveland, US cents/lb	04 Jan 2022	70 - 75	6.62%	Dec 2021	66 - 70
MB-ST5-0075	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Cleveland, US cents/lb	04 Jan 2022	65 - 70	6.30%	Dec 2021	62 - 65
MB-ST5-0080	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Cleveland, \$/gross ton	11 Jan 2022	2128 - 2150	3.23%	Dec 2021	2016 - 2088.75
MB-ST5-0198	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Cleveland, \$/gross	04 Jan 2022	1568 - 1680	6.63%	Dec 2021	1478 - 1568
MB-ST5-0076	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Cleveland, US cents/lb	04 Jan 2022	70 - 75	6.62%	Dec 2021	66 - 70
MB-ST5-0199	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Cleveland, \$/gross	04 Jan 2022	448 - 560	-2.14%	Dec 2021	448 - 582
MB-ST5-0077	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Cleveland, US cents/lb	04 Jan 2022	20 - 25	-2.17%	Dec 2021	20 - 26
MB-ST5-0195	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Cleveland, \$/gross	04 Jan 2022	2016 - 2464	12.37%	Dec 2021	1904 - 2083
MB-ST5-0200	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Cleveland, US cents/lb	11 Jan 2022	132 - 138	2.27%	Dec 2021	127.5 - 134.25
MB-ST5-0078	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Cleveland, \$/gross ton	11 Jan 2022	2957 - 3091	2.28%	Dec 2021	2856 - 3007.25
MB-ST5-0073	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Cleveland, US cents/lb	04 Jan 2022	90 - 110	12.36%	Dec 2021	85 - 93

Detroit stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0205	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Detroit, \$/gross ton	04 Jan 2022	1478 - 1568	10.56%	Dec 2021	1366 - 1389
MB-ST5-0083	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Detroit, US cents/lb	04 Jan 2022	66 - 70	10.57%	Dec 2021	61 - 62

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0210	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Detroit, US cents/lb	11 Jan 2022	93 - 96	1.07%	Dec 2021	90.25 - 93.25
MB-ST5-0088	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Detroit, \$/gross ton	11 Jan 2022	2083 - 2150	1.05%	Dec 2021	2021.75 - 2088.75
MB-ST5-0206	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Detroit, \$/gross ton	04 Jan 2022	1568 - 1792	11.96%	Dec 2021	1478 - 1523
MB-ST5-0084	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Detroit, US cents/lb	04 Jan 2022	70 - 80	11.94%	Dec 2021	66 - 68
MB-ST5-0209	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Detroit, US cents/lb	11 Jan 2022	100 - 102	2.02%	Dec 2021	95.5 - 98.5
MB-ST5-0087	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Detroit, \$/gross ton	11 Jan 2022	2240 - 2285	2.03%	Dec 2021	2139.25 - 2206.5
MB-ST5-0204	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Detroit, \$/gross ton	04 Jan 2022	1568 - 1792	11.96%	Dec 2021	1478 - 1523
MB-ST5-0082	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Detroit, US cents/lb	04 Jan 2022	70 - 80	11.94%	Dec 2021	66 - 68
MB-ST5-0207	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Detroit, \$/gross ton	04 Jan 2022	538 - 560	-1.96%	Dec 2021	538 - 582
MB-ST5-0085	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Detroit, US cents/lb	04 Jan 2022	24 - 25	-2.00%	Dec 2021	24 - 26
MB-ST5-0211	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Detroit, US cents/lb	11 Jan 2022	34 - 39	0.00%	Dec 2021	36 - 37.75
MB-ST5-0089	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Detroit, \$/gross ton	11 Jan 2022	762 - 874	0.06%	Dec 2021	806.25 - 845.75
MB-ST5-0212	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Detroit, US cents/lb	11 Jan 2022	30 - 34	0.00%	Dec 2021	31.5 - 33.25
MB-ST5-0213	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Detroit, US cents/lb	11 Jan 2022	28 - 31	9.26%	Dec 2021	26.75 - 28.5
MB-ST5-0091	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Detroit, \$/gross ton	11 Jan 2022	627 - 694	9.26%	Dec 2021	599 - 638.25
MB-ST5-0090	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Detroit, \$/gross ton	11 Jan 2022	672 - 762	0.07%	Dec 2021	705.5 - 744.75
MB-ST5-0208	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Detroit, US cents/lb	11 Jan 2022	135 - 138	3.80%	Dec 2021	127 - 134
MB-ST5-0086	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Detroit, \$/gross ton	11 Jan 2022	3024 - 3091	3.80%	Dec 2021	2844.75 - 3001.5
MB-ST5-0203	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Detroit, \$/gross ton	04 Jan 2022	2374 - 2576	22.10%	Dec 2021	1971 - 2083
MB-ST5-0081	Stainless steel scrap 316 solids, dealer buying price, delivered to yard Detroit, US cents/lb	04 Jan 2022	106 - 115	22.10%	Dec 2021	88 - 93

East Coast stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0297	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard East Coast, \$/gross ton	04 Jan 2022	1680 - 1747	6.26%	Dec 2021	1478 - 1747
MB-ST5-0287	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard East Coast, US cents/lb	04 Jan 2022	75 - 78	6.25%	Dec 2021	66 - 78
MB-ST5-0295	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard East Coast, \$/gross ton	04 Jan 2022	1680 - 1747	1.33%	Dec 2021	1635 - 1747

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0285	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard East Coast, US cents/lb	04 Jan 2022	75 - 78	1.32%	Dec 2021	73 - 78
MB-ST5-0286	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard East Coast, US cents/lb	04 Jan 2022	66 - 68	0.00%	Dec 2021	66 - 68
MB-ST5-0296	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard East Coast, \$/gross ton	04 Jan 2022	1478 - 1523	0.00%	Dec 2021	1478 - 1523
MB-ST5-0298	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard East Coast, \$/gross ton	04 Jan 2022	493 - 560	-7.87%	Dec 2021	538 - 605
MB-ST5-0288	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard East Coast, US cents/lb	04 Jan 2022	22 - 25	-7.84%	Dec 2021	24 - 27
MB-ST5-0294	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard East Coast, \$/gross ton	04 Jan 2022	2262 - 2464	11.65%	Dec 2021	1971 - 2262
MB-ST5-0284	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard East Coast, US cents/lb	04 Jan 2022	101 - 110	11.64%	Dec 2021	88 - 101

Houston stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0218	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Houston, US cents/lb	11 Jan 2022	98 - 100	0.00%	Dec 2021	94.75 - 96.75
MB-ST5-0096	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Houston, \$/gross ton	11 Jan 2022	2195 - 2240	0.00%	Dec 2021	2122.5 - 2167.25
MB-ST5-0215	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Houston, \$/gross ton	04 Jan 2022	1568 - 1680	3.57%	Dec 2021	1344 - 1792
MB-ST5-0093	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	04 Jan 2022	70 - 75	3.57%	Dec 2021	60 - 80
MB-ST5-0219	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Houston, US cents/lb	11 Jan 2022	92 - 93	0.00%	Dec 2021	88.5 - 90.75
MB-ST5-0097	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Houston, \$/gross ton	11 Jan 2022	2061 - 2083	0.00%	Dec 2021	1982.5 - 2033
MB-ST5-0216	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Houston, \$/gross ton	04 Jan 2022	1232 - 1456	-12.41%	Dec 2021	1389 - 1680
MB-ST5-0094	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Houston, US cents/lb	04 Jan 2022	55 - 65	-12.41%	Dec 2021	62 - 75
MB-ST5-0220	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Houston, US cents/lb	11 Jan 2022	36 - 37	-2.67%	Dec 2021	32.5 - 35
MB-ST5-0098	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Houston, \$/gross ton	11 Jan 2022	806 - 829	-2.68%	Dec 2021	727.75 - 784.25
MB-ST5-0221	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Houston, US cents/lb	11 Jan 2022	28 - 29	16.33%	Dec 2021	24.75 - 26.25
MB-ST5-0099	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Houston, \$/gross ton	11 Jan 2022	627 - 650	16.30%	Dec 2021	554.25 - 588.25
MB-ST5-0214	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Houston, \$/gross ton	04 Jan 2022	2397 - 2419	10.26%	Dec 2021	2016 - 2352
MB-ST5-0092	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	04 Jan 2022	107 - 108	10.26%	Dec 2021	90 - 105
MB-ST5-0217	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Houston, US cents/lb	11 Jan 2022	134 - 137	0.74%	Dec 2021	132.25 - 136
MB-ST5-0095	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Houston, \$/gross ton	11 Jan 2022	3002 - 3069	0.76%	Dec 2021	2962.5 - 3046.25

Los Angeles stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0227	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard Los Angeles, US cents/lb	11 Jan 2022	51.43 - 53.57	0.00%	Dec 2021	49.39 - 51.62
MB-ST5-0105	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard Los Angeles, \$/gross ton	11 Jan 2022	1152 - 1200	0.00%	Dec 2021	1106.25 - 1156.25
MB-ST5-0226	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard Los Angeles, US cents/lb	11 Jan 2022	71.43 - 72.55	0.00%	Dec 2021	69.48 - 70.59
MB-ST5-0104	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard Los Angeles, \$/gross ton	11 Jan 2022	1600 - 1625	0.00%	Dec 2021	1556.25 - 1581.25
MB-ST5-0228	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Los Angeles, US cents/lb	11 Jan 2022	16.52 - 17.41	0.00%	Dec 2021	15.41 - 16.3
MB-ST5-0106	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Los Angeles, \$/gross ton	11 Jan 2022	370 - 390	0.00%	Dec 2021	345 - 365

Montreal stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0252	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Montreal, Canadian \$/gross ton	04 Jan 2022	2016 - 2038	7.08%	Dec 2021	1725 - 2061
MB-ST5-0253	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Montreal, Canadian \$/gross ton	04 Jan 2022	2195 - 2218	-2.48%	Dec 2021	2173 - 2352
MB-ST5-0131	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	04 Jan 2022	98 - 99	-2.48%	Dec 2021	97 - 105
MB-ST5-0130	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	04 Jan 2022	90 - 91	7.10%	Dec 2021	77 - 92
MB-ST5-0129	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	04 Jan 2022	98 - 99	-2.48%	Dec 2021	97 - 105
MB-ST5-0251	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Montreal, Canadian \$/gross ton	04 Jan 2022	2195 - 2218	-2.48%	Dec 2021	2173 - 2352
MB-ST5-0128	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	04 Jan 2022	133 - 134	-4.98%	Dec 2021	135 - 146
MB-ST5-0250	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Montreal, Canadian \$/gross ton	04 Jan 2022	2979 - 3002	-4.97%	Dec 2021	3024 - 3270

New York stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0236	Stainless steel scrap 304 turnings, broker buying price, delivered to processor New York, US cents/lb	11 Jan 2022	91 - 95	-0.53%	Dec 2021	88 - 92.25
MB-ST5-0114	Stainless steel scrap 304 turnings, broker buying price, delivered to processor New York, \$/gross ton	11 Jan 2022	2038 - 2128	-0.55%	Dec 2021	1971 - 2066.25
MB-ST5-0116	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard New York, \$/gross ton	11 Jan 2022	1904 - 1938	0.00%	Dec 2021	1904 - 1938
MB-ST5-0238	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard New York, US cents/lb	11 Jan 2022	85 - 86.5	0.00%	Dec 2021	85 - 86.5
MB-ST5-0235	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor New York, US cents/lb	11 Jan 2022	100 - 102	2.02%	Dec 2021	95.5 - 98.5

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0113	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor New York, \$/gross ton	11 Jan 2022	2240 - 2285	2.03%	Dec 2021	2139.25 - 2206.5
MB-ST5-0237	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard New York, US cents/lb	11 Jan 2022	94 - 95	-0.26%	Dec 2021	93.5 - 95.13
MB-ST5-0115	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard New York, \$/gross ton	11 Jan 2022	2106 - 2128	-0.26%	Dec 2021	2094.5 - 2131
MB-ST5-0239	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard New York, US cents/lb	11 Jan 2022	32 - 33	0.00%	Dec 2021	32 - 33
MB-ST5-0117	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard New York, \$/gross ton	11 Jan 2022	717 - 739	0.00%	Dec 2021	717 - 739
MB-ST5-0234	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor New York, US cents/lb	11 Jan 2022	138 - 140	6.51%	Dec 2021	125.5 - 133.5
MB-ST5-0112	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor New York, \$/gross ton	11 Jan 2022	3091 - 3136	6.52%	Dec 2021	2811.25 - 2990.25

Philadelphia stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0241	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard Philadelphia, US cents/lb	11 Jan 2022	85 - 86.5	0.00%	Dec 2021	85 - 86.5
MB-ST5-0119	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard Philadelphia, \$/gross ton	11 Jan 2022	1904 - 1938	0.00%	Dec 2021	1904 - 1938
MB-ST5-0240	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard Philadelphia, US cents/lb	11 Jan 2022	94 - 95	-0.26%	Dec 2021	93.5 - 95.13
MB-ST5-0118	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard Philadelphia, \$/gross ton	11 Jan 2022	2106 - 2128	-0.26%	Dec 2021	2094.5 - 2131
MB-ST5-0242	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Philadelphia, US cents/lb	11 Jan 2022	32 - 33	0.00%	Dec 2021	32 - 33
MB-ST5-0120	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Philadelphia, \$/gross ton	11 Jan 2022	717 - 739	0.00%	Dec 2021	717 - 739

Pittsburgh stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0042	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Pittsburgh, US cents/lb	04 Jan 2022	55 - 67	8.93%	Dec 2021	50 - 62
MB-ST5-0164	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	04 Jan 2022	1232 - 1501	8.93%	Dec 2021	1120 - 1389
MB-ST5-0169	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Pittsburgh, US cents/lb	11 Jan 2022	93 - 96	2.16%	Dec 2021	89 - 93.25
MB-ST5-0047	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	11 Jan 2022	2083 - 2150	2.15%	Dec 2021	1993.5 - 2088.75
MB-ST5-0256	Stainless steel scrap 304 turnings, consumer buying price, delivered mill Pittsburgh, US cents/lb	10 Jan 2022	86.4 - 87.3	-0.61%	Dec 2021	87 - 87.75
MB-ST5-0134	Stainless steel scrap 304 turnings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	1935 - 1956	-0.61%	Dec 2021	1949 - 1966
MB-ST5-0168	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Pittsburgh, US cents/lb	11 Jan 2022	98 - 102	1.01%	Dec 2021	94.75 - 98.5
MB-ST5-0255	Stainless steel scrap 304 solids, clips, consumer buying price, delivered mill Pittsburgh, US cents/lb	10 Jan 2022	95 - 97	-0.78%	Dec 2021	96 - 97.5

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0163	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	04 Jan 2022	1344 - 1680	17.39%	Dec 2021	1008 - 1568
MB-ST5-0041	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	04 Jan 2022	60 - 75	17.39%	Dec 2021	45 - 70
MB-ST5-0046	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Pittsburgh, \$/gross ton	11 Jan 2022	2195 - 2285	1.01%	Dec 2021	2122.75 - 2206.5
MB-ST5-0133	Stainless steel scrap 304 solids, clips, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	2128 - 2173	-0.76%	Dec 2021	2150 - 2184
MB-ST5-0165	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	04 Jan 2022	1344 - 1680	17.39%	Dec 2021	1008 - 1568
MB-ST5-0043	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	04 Jan 2022	60 - 75	17.39%	Dec 2021	45 - 70
MB-ST5-0171	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Pittsburgh, US cents/lb	11 Jan 2022	26 - 34	-6.25%	Dec 2021	29.5 - 33
MB-ST5-0049	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	11 Jan 2022	582 - 762	-6.21%	Dec 2021	660.75 - 739.5
MB-ST5-0257	Stainless steel scrap 430 bundles, solids, consumer buying price, delivered mill Pittsburgh, US cents/lb	10 Jan 2022	31.71 - 33.26	-4.89%	Dec 2021	33.71 - 34.6
MB-ST5-0170	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Pittsburgh, US cents/lb	11 Jan 2022	34 - 39	0.00%	Dec 2021	35 - 37.75
MB-ST5-0048	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Pittsburgh, \$/gross ton	11 Jan 2022	762 - 874	0.06%	Dec 2021	784 - 845.75
MB-ST5-0135	Stainless steel scrap 430 bundles, solids, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	710 - 745	-4.90%	Dec 2021	755 - 775
MB-ST5-0166	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	04 Jan 2022	336 - 560	-2.40%	Dec 2021	336 - 582
MB-ST5-0044	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	04 Jan 2022	15 - 25	-2.44%	Dec 2021	15 - 26
MB-ST5-0172	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Pittsburgh, US cents/lb	11 Jan 2022	29 - 34	-1.56%	Dec 2021	30.75 - 33.25
MB-ST5-0258	Stainless steel scrap 409 bundles, solids, consumer buying price, delivered mill Pittsburgh, US cents/lb	10 Jan 2022	27.24 - 28.13	-5.66%	Dec 2021	29.24 - 29.46
MB-ST5-0136	Stainless steel scrap 409 bundles, solids, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	610 - 630	-5.70%	Dec 2021	655 - 660
MB-ST5-0173	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Pittsburgh, US cents/lb	11 Jan 2022	26 - 31	5.56%	Dec 2021	25.25 - 28.25
MB-ST5-0050	Stainless steel scrap 409 bundles, broker buying price, delivered to processor Pittsburgh, \$/gross ton	11 Jan 2022	650 - 762	-1.47%	Dec 2021	688.75 - 744.75
MB-ST5-0051	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	11 Jan 2022	582 - 694	5.54%	Dec 2021	565.5 - 632.75
MB-ST5-0167	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Pittsburgh, US cents/lb	11 Jan 2022	135 - 138	3.41%	Dec 2021	127.5 - 134
MB-ST5-0254	Stainless steel scrap 316 solids, clips, consumer buying price, delivered mill Pittsburgh, US cents/lb	10 Jan 2022	137.5 - 138	-0.36%	Dec 2021	138 - 138.5
MB-ST5-0162	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	04 Jan 2022	1792 - 2464	13.10%	Dec 2021	1680 - 2083
MB-ST5-0040	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	04 Jan 2022	80 - 110	13.10%	Dec 2021	75 - 93
MB-ST5-0132	Stainless steel scrap 316 solids, clips, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Jan 2022	3080 - 3091	-0.36%	Dec 2021	3091 - 3102

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0045	Stainless steel scrap 316 solids, broker buying price, delivered to processor Pittsburgh, \$/gross ton	11 Jan 2022	3024 - 3091	3.42%	Dec 2021	2856 - 3001.5

San Francisco stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0248	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard San Francisco, US cents/lb	11 Jan 2022	51.34 - 53.57	0.00%	Dec 2021	49.39 - 51.62
MB-ST5-0126	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard San Francisco, \$/gross ton	11 Jan 2022	1150 - 1200	0.00%	Dec 2021	1106.25 - 1156.25
MB-ST5-0247	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard San Francisco, US cents/lb	11 Jan 2022	71.43 - 72.55	0.00%	Dec 2021	69.48 - 70.59
MB-ST5-0125	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard San Francisco, \$/gross ton	11 Jan 2022	1600 - 1625	0.00%	Dec 2021	1556.25 - 1581.25
MB-ST5-0249	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard San Francisco, US cents/lb	11 Jan 2022	16.52 - 17.41	0.00%	Dec 2021	15.41 - 16.3
MB-ST5-0127	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard San Francisco, \$/gross ton	11 Jan 2022	370 - 390	0.00%	Dec 2021	345 - 365

Southeast US stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0151	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Southeast US, US cents/lb	11 Jan 2022	93 - 96	2.16%	Dec 2021	90.25 - 93.25
MB-ST5-0139	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	11 Jan 2022	2083 - 2150	2.15%	Dec 2021	2021.5 - 2088.75
MB-ST5-0147	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Southeast US, US cents/lb	04 Jan 2022	38 - 75	13.00%	Dec 2021	38 - 62
MB-ST5-0159	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Southeast US, \$/gross ton	04 Jan 2022	851 - 1680	12.99%	Dec 2021	851 - 1389
MB-ST5-0138	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Southeast US, \$/gross ton	11 Jan 2022	2240 - 2285	2.03%	Dec 2021	2139.25 - 2206.5
MB-ST5-0150	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Southeast US, US cents/lb	11 Jan 2022	100 - 102	2.02%	Dec 2021	95.5 - 98.5
MB-ST5-0158	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Southeast US, \$/gross ton	04 Jan 2022	1120 - 1904	13.43%	Dec 2021	1120 - 1546
MB-ST5-0146	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Southeast US, US cents/lb	04 Jan 2022	50 - 85	13.45%	Dec 2021	50 - 69
MB-ST5-0145	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Southeast US, US cents/lb	04 Jan 2022	50 - 85	13.45%	Dec 2021	50 - 69
MB-ST5-0157	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Southeast US, \$/gross ton	04 Jan 2022	1120 - 1904	13.43%	Dec 2021	1120 - 1546
MB-ST5-0161	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Southeast US, \$/gross ton	04 Jan 2022	403 - 560	-2.23%	Dec 2021	403 - 582
MB-ST5-0155	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Southeast US, US cents/lb	11 Jan 2022	33 - 39	0.00%	Dec 2021	35.75 - 37.75
MB-ST5-0143	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Southeast US, \$/gross ton	11 Jan 2022	739 - 874	0.00%	Dec 2021	800.5 - 845.75
MB-ST5-0144	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	11 Jan 2022	694 - 762	12.09%	Dec 2021	694 - 739.5

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0156	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Southeast US, US cents/lb	11 Jan 2022	31 - 34	12.07%	Dec 2021	31 - 33
MB-ST5-0149	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Southeast US, US cents/lb	04 Jan 2022	18 - 25	-2.27%	Dec 2021	18 - 26
MB-ST5-0154	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Southeast US, US cents/lb	11 Jan 2022	27 - 31	7.41%	Dec 2021	26.25 - 28.25
MB-ST5-0142	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	11 Jan 2022	605 - 694	7.44%	Dec 2021	587.75 - 632.75
MB-ST5-0141	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Southeast US, \$/gross ton	11 Jan 2022	717 - 762	4.82%	Dec 2021	705.5 - 744.75
MB-ST5-0153	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Southeast US, US cents/lb	11 Jan 2022	32 - 34	4.76%	Dec 2021	31.5 - 33.25
MB-ST5-0160	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Southeast US, \$/gross ton	04 Jan 2022	1837 - 2464	8.47%	Dec 2021	1837 - 2128
MB-ST5-0148	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Southeast US, US cents/lb	04 Jan 2022	82 - 110	8.47%	Dec 2021	82 - 95
MB-ST5-0152	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Southeast US, US cents/lb	11 Jan 2022	135 - 138	2.63%	Dec 2021	127.5 - 134
MB-ST5-0140	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Southeast US, \$/gross ton	11 Jan 2022	3024 - 3091	2.64%	Dec 2021	2856 - 3001.5

West Coast stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0301	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard West Coast, \$/gross ton	04 Jan 2022	762 - 806	2.95%	Dec 2021	739 - 784
MB-ST5-0291	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard West Coast, US cents/lb	04 Jan 2022	34 - 36	2.94%	Dec 2021	33 - 35
MB-ST5-0302	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard West Coast, \$/gross ton	04 Jan 2022	1142 - 1187	2.92%	Dec 2021	1098 - 1165
MB-ST5-0292	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard West Coast, US cents/lb	04 Jan 2022	51 - 53	2.97%	Dec 2021	49 - 52
MB-ST5-0300	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard West Coast, \$/gross ton	04 Jan 2022	1142 - 1187	2.92%	Dec 2021	1098 - 1165
MB-ST5-0290	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard West Coast, US cents/lb	04 Jan 2022	51 - 53	2.97%	Dec 2021	49 - 52
MB-ST5-0299	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard West Coast, \$/gross ton	04 Jan 2022	1434 - 1478	0.00%	Dec 2021	1434 - 1478
MB-ST5-0289	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard West Coast, US cents/lb	04 Jan 2022	64 - 66	0.00%	Dec 2021	64 - 66

Europe domestic

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0431	Steel scrap 12 D new production clean shovellable steel domestic, delivered consumer UK, £/tonne	10 Dec 2021	295 - 310	0.00%	Dec 2021	295 - 310
MB-STE-0432	Steel scrap 12 A/C new production heavy steel domestic, delivered consumer UK, £/tonne	10 Dec 2021	290 - 305	0.00%	Dec 2021	290 - 305
MB-STE-0430	Steel scrap 7B heavy steel turnings inter-merchant, delivered to export dock UK, £/tonne	10 Dec 2021	210 - 225	0.00%	Dec 2021	210 - 225

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0081	Steel scrap 4C new steel bales domestic, delivered consumer UK, £/tonne	10 Dec 2021	285 - 300	0.00%	Dec 2021	285 - 300
MB-STE-0087	Steel scrap OA plate and structural domestic, delivered consumer UK, £/tonne	10 Dec 2021	250 - 265	0.00%	Dec 2021	250 - 265
MB-STE-0080	Steel scrap 4A new steel bales domestic, delivered consumer UK, £/tonne	10 Dec 2021	295 - 310	0.00%	Dec 2021	295 - 310
MB-STE-0084	Steel scrap 8B new loose light cuttings domestic, delivered consumer UK, £/tonne	10 Dec 2021	270 - 285	0.00%	Dec 2021	270 - 285
MB-STE-0085	Steel scrap 9A/10 heavy and light cast iron domestic, delivered consumer UK, £/tonne	10 Dec 2021	240 - 255	0.00%	Dec 2021	240 - 255
MB-STE-0078	Steel scrap 11A cast iron borings (low P) domestic, delivered consumer UK, £/tonne	10 Dec 2021	200 - 210	0.00%	Dec 2021	200 - 210
MB-STE-0086	Steel scrap 9B/C cylinder block scrap domestic, delivered consumer UK, £/tonne	10 Dec 2021	260 - 275	0.00%	Dec 2021	260 - 275
MB-STE-0083	Steel scrap 8A new loose light cuttings domestic, delivered consumer UK, £/tonne	10 Dec 2021	285 - 300	0.00%	Dec 2021	285 - 300
MB-STE-0077	Steel scrap 1&2 old steel domestic, delivered consumer UK, £/tonne	10 Dec 2021	230 - 245	0.00%	Dec 2021	230 - 245
MB-ST5-0012	Steel scrap 5C loose old light domestic, delivered inter-merchant UK, £/tonne	07 Jan 2022	180 - 195	-2.60%	Dec 2021	185 - 200
MB-STE-0167	Steel scrap No E3 (old thick scrap) domestic, delivered mill Italy, €/tonne	14 Dec 2021	420 - 430	6.25%	Dec 2021	420 - 430
MB-STE-0169	Steel scrap No E3 (old thick steel scrap) domestic, delivered mill Germany, €/tonne	17 Dec 2021	420 - 430	1.19%	Dec 2021	420 - 430
MB-STE-0093	Steel scrap auto bundle scrap domestic, delivered Turkey, lira/tonne	10 Jan 2022	6050 - 6875	7.57%	Dec 2021	5722.5 - 6716.25
MB-STE-0415	Steel scrap E8 thin new production steel domestic, delivered consumer Germany, €/tonne	17 Dec 2021	490 - 500	1.54%	Dec 2021	490 - 500
MB-STE-0168	Steel scrap No E8 (thin new production steel scrap) domestic, delivered mill Italy, €/tonne	14 Dec 2021	490 - 510	6.38%	Dec 2021	490 - 510
MB-STE-0414	Steel scrap E40 shredded domestic, delivered consumer Germany, €/tonne	17 Dec 2021	430 - 440	0.58%	Dec 2021	430 - 440
MB-STE-0849	Steel scrap E40 shredded, delivered to mill Italy, €/tonne	14 Dec 2021	475 - 490	6.04%	Dec 2021	475 - 490

Europe export

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0095	Steel scrap shredded import, cfr delivered Turkish port, \$/tonne	07 Jan 2022	476 - 487	1.80%	Dec 2021	479.4 - 488.8
MB-STE-0096	Steel scrap HMS 1&2 (75:25 mix) import, cfr delivered Turkish port, \$/tonne	07 Jan 2022	446 - 460	0.67%	Dec 2021	454.2 - 456.8
MB-STE-0097	Steel scrap HMS 1&2 (75:25 mix) export, fob Rotterdam, \$/tonne	07 Jan 2022	408 - 422	0.73%	Dec 2021	416.2 - 418.8
MB-STE-0098	Steel scrap shredded export, fob Rotterdam, \$/tonne	07 Jan 2022	438 - 445	2.67%	Dec 2021	440.4 - 442.4
MB-STE-0099	Steel scrap shredded export, fob main port UK, \$/tonne	07 Jan 2022	435 - 449	-0.45%	Dec 2021	449.2 - 451.6
MB-STE-0100	Steel scrap HMS 1&2 (80:20 mix) export, fob main port UK, \$/tonne	07 Jan 2022	415 - 429	-0.47%	Dec 2021	429.2 - 431.6
MB-STE-0416	Steel scrap HMS 1&2 (80:20 mix) North Europe origin, cfr Turkey, \$/tonne	11 Jan 2022	464.71	0.00%	Dec 2021	464.6
MB-STE-0894	Steel scrap, HMS 1&2 (80:20 mix), month-to-date deal-weighted average, North Europe origin, cfr Turkey, \$/tonne	11 Jan 2022	459.73	0.00%	Dec 2021	469.67
MB-STE-0417	Steel scrap HMS 1&2 (80:20 mix) US origin, cfr Turkey, \$/tonne	11 Jan 2022	473	0.00%	Dec 2021	472.57
MB-STE-0420	Steel scrap HMS 1&2 (80:20 mix), fob Rotterdam, \$/tonne	07 Jan 2022	415.68	0.68%	Dec 2021	427.45

European stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0008	Stainless steel scrap 18/8 solids import, cif main European port, €/tonne	07 Jan 2022	1860 - 1890	0.81%	Dec 2021	1846 - 1870
MB-ST5-0011	Stainless steel scrap 18/8 turnings domestic, delivered merchants UK, £/tonne	07 Jan 2022	1320 - 1375	0.94%	Dec 2021	1294 - 1356
MB-ST5-0010	Stainless steel scrap 18/8 solids domestic, delivered merchants UK, £/tonne	07 Jan 2022	1520 - 1580	0.98%	Dec 2021	1488 - 1560
MB-ST5-0009	Stainless steel scrap 18/8 turnings import, cif main European port, €/tonne	07 Jan 2022	1675 - 1700	-0.74%	Dec 2021	1681 - 1694
MB-ST5-0013	Stainless steel scrap 12-13% Cr solids domestic, delivered merchants UK, £/tonne	07 Jan 2022	350 - 370	0.00%	Dec 2021	350 - 370
MB-ST5-0014	Stainless steel scrap 16-17% Cr solids domestic, delivered merchants UK, £/tonne	07 Jan 2022	390 - 410	0.00%	Dec 2021	390 - 410
MB-ST5-0261	Stainless steel scrap 316 solids import, cif main port Europe, €/tonne	07 Jan 2022	2670 - 2690	0.94%	Dec 2021	2634 - 2646
MB-ST5-0262	Stainless steel scrap 316 turnings import, cif main port Europe, €/tonne	07 Jan 2022	2405 - 2420	0.94%	Dec 2021	2371 - 2382
MB-ST5-0260	Stainless steel scrap 316 turnings domestic, delivered merchants UK, £/tonne	07 Jan 2022	1915 - 1985	4.28%	Dec 2021	1812 - 1897
MB-ST5-0259	Stainless steel scrap 316 solids domestic, delivered merchants UK, £/tonne	07 Jan 2022	2200 - 2280	4.19%	Dec 2021	2084 - 2180

Asia domestic and export

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0149	Steel scrap heavy scrap domestic, delivered mill China, yuan/tonne	07 Jan 2022	3570 - 3720	2.53%	Dec 2021	3370 - 3476
MB-STE-0889	Steel scrap, index, heavy recycled steel materials, cfr east China, \$/tonne	11 Jan 2022	511.55	2.72%	Dec 2021	475.18
MB-STE-0895	Steel scrap, index, heavy recycled steel materials, cfr north China, \$/tonne	11 Jan 2022	521.55	2.67%	Dec 2021	485.18
MB-STE-0464	Steel scrap HMS 1&2 (80:20 mix) US material import, cfr main port Taiwan, \$/tonne	11 Jan 2022	435 - 440	0.34%	Dec 2021	446.83 - 449.43
MB-STE-0874	Steel scrap H2 export, fob main port Japan, ¥/tonne	05 Jan 2022	47000 - 49000	1.05%	Dec 2021	47700 - 49100
MB-STE-0875	Steel scrap shredded export, fob main port Japan, ¥/tonne	05 Jan 2022	51500 - 53000	0.00%	Dec 2021	52400 - 54000
MB-STE-0876	Steel scrap Shindachi bara export, fob main port Japan, ¥/tonne	05 Jan 2022	55000 - 57000	0.00%	Dec 2021	58000 - 59300
MB-STE-0877	Steel scrap heavy scrap (HS) export, fob main port Japan, ¥/tonne	05 Jan 2022	54000 - 56000	0.00%	Dec 2021	56100 - 58100
MB-STE-0878	Steel scrap H2 Japan-origin import, cfr Vietnam, \$/tonne	07 Jan 2022	485 - 490	1.56%	Dec 2021	488 - 490
MB-STE-0783	Steel scrap HMS 1&2 (80:20), cfr Vietnam, \$/tonne	07 Jan 2022	500	0.00%	Dec 2021	515 - 518
MB-STE-0879	Steel scrap H2 Japan origin import, cfr main port South Korea, ¥/tonne	07 Jan 2022	52500 - 55000	5.39%	Dec 2021	50600 - 51900
MB-STE-0880	Steel scrap HMS 1&2 (80:20) deep-sea origin import, cfr South Korea, \$/tonne	07 Jan 2022	490 - 500	0.00%	Dec 2021	500 - 506
MB-STE-0421	Steel scrap shredded, index, import, cfr Nhava Sheva, India \$/tonne	11 Jan 2022	531.67	1.04%	Dec 2021	529.46
MB-STE-0413	Steel scrap HMS 1&2 (80:20 mix) import, cfr Nhava Sheva, India, \$/tonne	07 Jan 2022	440 - 465	3.43%	Dec 2021	444 - 458
MB-STE-0881	Steel scrap HMS 1&2 (80:20) deep-sea origin import, cfr Bangladesh, \$/tonne	06 Jan 2022	520 - 525	0.00%	Dec 2021	526 - 541
MB-STE-0884	Steel scrap HMS 1&2 (80:20) containerized import, cfr Bangladesh, \$/tonne	06 Jan 2022	515 - 525	0.00%	Dec 2021	518 - 532.8
MB-STE-0885	Steel scrap shredded containerized import, cfr Bangladesh, \$/tonne	06 Jan 2022	550 - 560	1.37%	Dec 2021	555 - 560
MB-STE-0886	Steel scrap shredded deep-sea origin import, cfr Bangladesh, \$/tonne	06 Jan 2022	530 - 540	0.00%	Dec 2021	541 - 555
MB-STE-0887	Steel scrap shredded, index, import, cfr Port Qasim, Pakistan \$/tonne	07 Jan 2022	544.51	1.92%	Dec 2021	543.98

Steel raw materials prices

Source: dashboard.fastmarkets.com/m/2741a719-e91d-4e5e-b9b9-29225e060f7c

Iron ore prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-IRO-0008	Iron ore 62% Fe fines, cfr Qingdao, \$/tonne	11 Jan 2022	129.17	2.74%	Dec 2021	115.25
MB-IRO-0009	Iron ore 65% Fe Brazil-origin fines, cfr Qingdao, \$/tonne	11 Jan 2022	159.2	5.29%	Dec 2021	132.02
MB-IRO-0010	Iron ore 63% Fe Australia-origin lump ore premium, cfr Qingdao, US cents/dmtu	11 Jan 2022	30	7.14%	Dec 2021	15.17
MB-IRO-0011	Iron ore 62% Fe fines, fot Qingdao, yuan/wet tonne	11 Jan 2022	844	0.96%	Dec 2021	758.57
MB-IRO-0012	Iron ore 65% Fe blast furnace pellet, cfr Qingdao, \$/tonne	07 Jan 2022	203.6	4.62%	Dec 2021	185.02
MB-IRO-0013	Iron ore 66% Fe concentrate, cfr Qingdao, \$/tonne	07 Jan 2022	155.77	5.86%	Dec 2021	138.88
MB-IRO-0015	Iron ore 58% Fe fines, cfr Qingdao, \$/tonne	11 Jan 2022	78.41	2.73%	Dec 2021	69.6
MB-IRO-0016	Iron ore 58% Fe fines high-grade premium, cfr Qingdao, \$/tonne	11 Jan 2022	23	4.55%	Dec 2021	18.54
MB-IRO-0017	Iron ore 58% Fe fines high-grade premium index, cfr Qingdao, \$/tonne	11 Jan 2022	101.41	3.13%	Dec 2021	88.14
MB-IRO-0018	Iron ore 62% Fe fines, % Fe VIU, cfr Qingdao, \$/tonne	11 Jan 2022	2.14	0.00%	Dec 2021	2.11
MB-IRO-0019	Iron ore 65% Fe fines, % Fe VIU, cfr Qingdao \$/tonne	11 Jan 2022	2.81	0.00%	Dec 2021	2.29
MB-IRO-0020	Iron ore 62% Fe fines, % Si VIU, cfr Qingdao, \$/tonne	11 Jan 2022	(5.69)		Dec 2021	(4.94)
MB-IRO-0021	Iron ore 62% Fe fines, % Al2O3 VIU, cfr Qingdao, \$/tonne	11 Jan 2022	(6.21)		Dec 2021	(6.33)
MB-IRO-0022	Iron ore 62% Fe fines, fot Qingdao, \$/tonne conversion	11 Jan 2022	122.36	1.17%	Dec 2021	109.62
MB-IRO-0024	Iron ore 62% Fe fines, 0.01% P VIU, cfr Qingdao, \$/tonne	11 Jan 2022	(0.83)		Dec 2021	(0.82)
MB-IRO-0076	Iron ore product differential - 62% Fe Pilbara Blend Fines, cfr Qingdao, \$/tonne	31 Dec 2021	(0.75)		Dec 2021	(1.2)
MB-IRO-0077	Iron ore DR-grade pellet premium to 65% Fe fines index, Middle East reference, \$/tonne	31 Dec 2021	50	0.00%	Dec 2021	50
MB-IRO-0114	Iron ore 62% Fe Pilbara blend fines, cfr Qingdao, \$/tonne	31 Dec 2021	120	0.77%	Dec 2021	94.12
MB-IRO-0144	Iron ore 62% Fe low-alumina fines, cfr Qingdao, \$/tonne	11 Jan 2022	130.05	2.34%	Dec 2021	115.83
MB-IRO-0177	Iron ore pellet premium over 65% Fe fines, cfr China, \$/tonne	07 Jan 2022	54.8	1.67%	Dec 2021	52.2

Coking coal, coke & PCI prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-COA-0001	Hard coking coal domestic China spot market, Shanxi-origin, delivered Tangshan, yuan/tonne	10 Jan 2022	2475 - 2920	8.44%	Dec 2021	2175 - 2692
MB-COA-0002	Hard coking coal, cfr Jingtang, \$/dmt	11 Jan 2022	346.03	2.55%	Dec 2021	325.14
MB-COA-0003	Premium hard coking coal, fob DBCT, \$/dmt	11 Jan 2022	385.2	1.74%	Dec 2021	340.4
MB-COA-0004	Hard coking coal, fob DBCT, \$/dmt	11 Jan 2022	342.9	3.86%	Dec 2021	287.44
MB-COA-0005	Premium hard coking coal, cfr Jingtang, \$/dmt	11 Jan 2022	377.59	2.04%	Dec 2021	355.52
MB-COA-0006	Coke 65% CSR, fob China, \$/tonne	11 Jan 2022	565 - 590	6.45%	Dec 2021	497.5 - 526.25
MB-COA-0007	PCI low-vol, cfr Jingtang, \$/dmt	07 Jan 2022	234.52	-1.13%	Dec 2021	218.74
MB-COA-0008	PCI low-vol, fob DBCT, \$/dmt	07 Jan 2022	245.08	2.08%	Dec 2021	235.28



Pig iron, DRI & HBI prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FE-0002	Hot-briquetted iron export, fob main port Venezuela, \$/tonne	07 Jan 2022	370 - 390	0.00%	Dec 2021	370 - 390
MB-FE-0003	Hot-briquetted iron, fob New Orleans, \$/tonne	10 Jan 2022	490 - 520	0.00%	Dec 2021	490 - 520
MB-FE-0004	Hot-briquetted iron, cfr Italian ports, \$/tonne	06 Jan 2022	490 - 495	0.00%	Dec 2021	490 - 495
MB-FEN-0001	Nickel pig iron, high-grade NPI content 10-15%, contract, ddp China, yuan/nickel unit price	07 Jan 2022	1280 - 1310	0.00%	Dec 2021	1344 - 1376
MB-FEN-0002	Nickel pig iron, high-grade NPI content 10-15%, spot, ddp China, yuan/nickel unit price	07 Jan 2022	1300 - 1320	0.77%	Dec 2021	1328 - 1360
MB-FEN-0004	Pig iron foundry grade, Brazil, fob New Orleans, \$/tonne	10 Jan 2022	710 - 740	0.00%	Dec 2021	710 - 740
MB-IRO-0001	Pig iron export, fob main port Baltic Sea, CIS, \$/tonne	06 Jan 2022	550	0.00%	Dec 2021	550 - 554
MB-IRO-0002	Pig iron export, fob main port Black Sea, CIS, \$/tonne	06 Jan 2022	490 - 500	-0.50%	Dec 2021	501 - 514
MB-IRO-0004	Pig iron import, cfr Gulf of Mexico, US, \$/tonne	07 Jan 2022	530 - 540	-1.38%	Dec 2021	551 - 558
MB-IRO-0005	Pig iron export, fob port of Vitoria/Rio, Brazil, \$/tonne	07 Jan 2022	485	0.00%	Dec 2021	496 - 497
MB-IRO-0006	Pig iron export, fob Ponta da Madeira, Brazil, \$/tonne	07 Jan 2022	510 - 520	-1.44%	Dec 2021	534 - 539
MB-IRO-0014	Pig iron import, cfr Italy, \$/tonne	06 Jan 2022	530 - 545	-0.92%	Dec 2021	548 - 556
MB-IRO-0023	Direct reduced iron domestic, exw India, rupees/tonne	07 Jan 2022	33000 - 33200	3.44%	Dec 2021	30740 - 30940
MB-IRO-0078	Pig iron basic grade, Brazil, fob New Orleans, \$/tonne	10 Jan 2022	550 - 580	0.00%	Dec 2021	580 - 610
MB-IRO-0079	Pig iron basic grade, Ukraine/Russia, fob New Orleans, \$/tonne	10 Jan 2022	550 - 580	0.00%	Dec 2021	580 - 610
MB-IRO-0178	Pig iron, import, cfr China, \$/tonne	06 Jan 2022	530 - 540	1.90%	Dec 2021	517.5 - 525

Steel prices

Source: dashboard.fastmarkets.com/m/2089d493-5d4f-446e-9c96-317d1b54c262

Hot-rolled steel prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0028	Steel hot-rolled coil index domestic, exw Northern Europe, €/tonne	11 Jan 2022	905	0.18%	Dec 2021	916.4
MB-STE-0046	Steel hot-rolled coil import, cfr main port Northern Europe, €/tonne	05 Jan 2022	800 - 830	0.00%	Dec 2021	832 - 856
MB-STE-0047	Steel hot-rolled coil import, cfr main port Southern Europe, €/tonne	05 Jan 2022	780 - 800	0.00%	Dec 2021	796 - 814
MB-STE-0532	Steel hot-rolled coil domestic, exw Central Europe, €/tonne	05 Jan 2022	800 - 820	0.00%	Dec 2021	804 - 830
MB-STE-0892	Steel hot-rolled coil index domestic, exw Italy, €/tonne	11 Jan 2022	813.75	0.15%	Dec 2021	840.09
MB-STE-0893	Steel hot-rolled coil domestic, exw Spain, €/tonne	05 Jan 2022	890 - 920	0.00%	Dec 2021	894 - 924
MB-STE-0107	Steel hot-rolled coil export, fob main port Turkey, \$/tonne	07 Jan 2022	830 - 850	0.00%	Dec 2021	838 - 852
MB-STE-0105	Steel hot-rolled coil import, cfr main port Turkey, \$/tonne	07 Jan 2022	780 - 790	-1.26%	Dec 2021	801 - 820
MB-STE-0108	Steel hot-rolled coil domestic, exw Turkey, \$/tonne	07 Jan 2022	830 - 850	0.00%	Dec 2021	828 - 844
MB-STE-0014	Steel hot-rolled coil export, fob Black Sea, CIS, \$/tonne	10 Jan 2022	760 - 770	0.00%	Dec 2021	773.75 - 795
MB-STE-0065	Steel hot-rolled sheet domestic, cpt Moscow, Russia, rubles/tonne incl. VAT	10 Jan 2022	76000	0.00%	Dec 2021	75000 - 76250
MB-STE-0468	Steel hot-rolled coil index, fob mill US, \$/short ton	11 Jan 2022	1514.4	-0.15%	Dec 2021	
MB-STE-0184	Steel hot-rolled coil index, fob mill US, \$/cwt	11 Jan 2022	75.72	-0.15%	Dec 2021	82.16
MB-STE-0180	Steel hot-rolled coil, import, ddp Houston, \$/short ton	05 Jan 2022	1220 - 1300	0.00%	Dec 2021	1260 - 1340
MB-STE-0007	Steel hot-rolled coil domestic monthly, exw Brazil, reais/tonne	10 Dec 2021	5950 - 6040	-0.79%	Dec 2021	5950 - 6040
MB-STE-0133	Steel hot-rolled coil (dry) export, fob main port Latin America, \$/tonne	07 Jan 2022	750 - 795	-0.32%	Dec 2021	774 - 824
MB-STE-0102	Steel hot-rolled coil import, cfr main ports South America, \$/tonne	07 Jan 2022	840 - 890	0.00%	Dec 2021	864 - 910
MB-STE-0444	Steel hot-rolled coil import, cfr main port India, \$/tonne	07 Jan 2022	760 - 775	0.66%	Dec 2021	798 - 803
MB-STE-0445	Steel hot-rolled coil (CR grade) import, cfr main port India, \$/tonne	07 Jan 2022	770 - 780	0.98%	Dec 2021	803 - 810
MB-STE-0442	Steel hot-rolled coil (commodity) export, fob main port India, \$/tonne	07 Jan 2022	715 - 730	-2.03%	Dec 2021	750 - 779
MB-STE-0436	Steel hot-rolled coil domestic, ex-whse India, rupees/tonne	07 Jan 2022	64000 - 65000	0.00%	Dec 2021	65800 - 66550
MB-STE-0158	Steel hot-rolled coil domestic, exw Northern China, yuan/tonne	07 Jan 2022	4690 - 4700	0.97%	Dec 2021	4716 - 4742
MB-STE-0144	Steel hot-rolled coil index export, fob main port China, \$/tonne	11 Jan 2022	755.26	0.00%	Dec 2021	772.92
MB-STE-0154	Steel hot-rolled coil domestic, ex-whs Eastern China, yuan/tonne	11 Jan 2022	4900 - 4920	-0.10%	Dec 2021	4853.48 - 4889.57
MB-STE-0139	Steel hot-rolled coil import, cfr Vietnam, \$/tonne	07 Jan 2022	750 - 760	-0.66%	Dec 2021	780 - 785
MB-STE-0888	Steel hot-rolled coil (Japan, Korea, Taiwan-origin), import, cfr Vietnam, \$/tonne	07 Jan 2022	785	-3.09%	Dec 2021	822 - 826
MB-STE-0125	Steel hot-rolled coil import, cfr Jebel Ali, UAE, \$/tonne	11 Jan 2022	740 - 770	-4.73%	Dec 2021	800 - 828.75
MB-STE-0113	Steel hot-rolled coil import, cfr Saudi Arabia, \$/tonne	11 Jan 2022	815 - 835	1.85%	Dec 2021	822.5 - 860

Cold-rolled steel prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0005	Steel cold-rolled coil domestic monthly, exw Brazil, reais/tonne	10 Dec 2021	6500 - 6680	-3.23%	Dec 2021	6500 - 6680



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0012	Steel cold-rolled coil export, fob Black Sea, CIS, \$/tonne	10 Jan 2022	895 - 905	0.00%	Dec 2021	902.5 - 927.5
MB-STE-0026	Steel cold-rolled coil domestic, exw Northern Europe, €/tonne	05 Jan 2022	980 - 1030	0.00%	Dec 2021	1018 - 1066
MB-STE-0027	Steel cold-rolled coil domestic, exw Southern Europe, €/tonne	05 Jan 2022	960 - 1000	0.00%	Dec 2021	1014 - 1044
MB-STE-0044	Steel cold-rolled coil import, cfr main port Northern Europe, €/tonne	05 Jan 2022	900 - 920	0.00%	Dec 2021	934 - 954
MB-STE-0045	Steel cold-rolled coil import, cfr main port Southern Europe, €/tonne	05 Jan 2022	880 - 920	0.00%	Dec 2021	914 - 954
MB-STE-0064	Steel cold-rolled sheet domestic, cpt Moscow, Russia, rubles/tonne incl. VAT	10 Jan 2022	83000 - 85000	0.00%	Dec 2021	82500 - 84750
MB-STE-0103	Steel cold-rolled coil import, cfr main ports South America, \$/tonne	07 Jan 2022	940 - 980	0.00%	Dec 2021	943 - 998
MB-STE-0106	Steel cold-rolled coil import, cfr main port Turkey, \$/tonne	07 Jan 2022	930 - 935	0.00%	Dec 2021	937 - 946
MB-STE-0109	Steel cold-rolled coil domestic, exw Turkey, \$/tonne	07 Jan 2022	960 - 980	0.00%	Dec 2021	990 - 1012
MB-STE-0124	Steel cold-rolled coil import, cfr Jebel Ali, UAE, \$/tonne	11 Jan 2022	870 - 910	0.00%	Dec 2021	875 - 926.25
MB-STE-0132	Steel cold-rolled coil export, fob main port Latin America, \$/tonne	07 Jan 2022	990 - 1000	0.00%	Dec 2021	990 - 1000
MB-STE-0145	Steel cold-rolled coil export, fob China main port, \$/tonne	11 Jan 2022	850 - 860	0.00%	Dec 2021	846.25 - 860
MB-STE-0153	Steel cold-rolled coil domestic, delivered Eastern China domestic, yuan/tonne	07 Jan 2022	5420 - 5450	0.65%	Dec 2021	5444 - 5500
MB-STE-0181	Steel cold-rolled coil, import, ddp Houston, \$/short ton	05 Jan 2022	1420 - 1490	0.00%	Dec 2021	1475 - 1525
MB-STE-0185	Steel cold-rolled coil, fob mill US, \$/cwt	06 Jan 2022	98.5	-1.50%	Dec 2021	101.6
MB-STE-0435	Steel cold-rolled coil domestic, ex-whse India, rupees/tonne	07 Jan 2022	68500 - 69500	0.00%	Dec 2021	71800 - 72800
MB-STE-0443	Steel cold-rolled coil import, cfr main port India, \$/tonne	07 Jan 2022	800 - 810	1.90%	Dec 2021	835 - 847
MB-STE-0469	Steel cold-rolled coil, fob mill US, \$/short ton	06 Jan 2022	1970	-1.50%	Dec 2021	

Galvanized steel prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0883	Steel hot-dipped galvanized coil (hot-rolled base), fob mill US, \$/cwt	06 Jan 2022	88	-8.33%	Dec 2021	99.4
MB-STE-0780	Steel hot-dipped galvanized export, fob Turkey, \$/tonne	07 Jan 2022	1075 - 1090	-0.46%	Dec 2021	1119 - 1132
MB-STE-0434	Steel hot-dipped galvanized coil domestic, ex-whse India, rupees/tonne	07 Jan 2022	74000 - 76000	0.00%	Dec 2021	78200 - 80000
MB-STE-0470	Steel hot-dipped galvanized (base) steel coil, fob mill US, \$/short ton	06 Jan 2022	1950	-0.51%	Dec 2021	
MB-STE-0031	Steel hot-dipped galvanized coil domestic, exw Southern Europe, €/tonne	05 Jan 2022	980 - 1020	0.00%	Dec 2021	1022 - 1056
MB-STE-0104	Steel hot-dipped galvanized coil import, cfr main ports South America, \$/tonne	07 Jan 2022	1000 - 1040	0.49%	Dec 2021	1000 - 1046
MB-STE-0091	Steel hot-dipped galvanized coil import, cfr main port Northern Europe, €/tonne	05 Jan 2022	970 - 980	0.00%	Dec 2021	1026 - 1042
MB-STE-0021	Steel hot-dipped galvanized coil domestic, ex-whs Eastern China, yuan/tonne	07 Jan 2022	5630 - 5700	0.98%	Dec 2021	5646 - 5698
MB-STE-0110	Steel hot-dipped galvanized coil domestic, exw Turkey, \$/tonne	07 Jan 2022	1075 - 1090	0.00%	Dec 2021	1113 - 1126
MB-STE-0048	Steel hot-dipped galvanized coil import, cfr main port Southern Europe, €/tonne	05 Jan 2022	920 - 950	0.00%	Dec 2021	984 - 1018
MB-STE-0030	Steel hot-dipped galvanized coil domestic, exw Northern Europe, €/tonne	05 Jan 2022	1000 - 1050	0.00%	Dec 2021	1038 - 1088
MB-STE-0123	Steel hot-dipped-galvanized coil import, cfr Jebel Ali, UAE, \$/tonne	11 Jan 2022	1075 - 1140	0.00%	Dec 2021	1077.5 - 1130
MB-STE-0186	Steel hot-dipped galvanized coil (cold-rolled base), fob mill US, \$/cwt	06 Jan 2022	97.5	-0.51%	Dec 2021	100.6



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0006	Steel hot-dipped galvanized coil domestic monthly, exw Brazil, reais/tonne	10 Dec 2021	8055 - 8420	-9.18%	Dec 2021	8055 - 8420
MB-STE-0441	Steel hot-dipped galvanized coil export, fob main port India, \$/tonne	07 Jan 2022	930 - 960	0.00%	Dec 2021	1024 - 1048
MB-STE-0182	Steel hot-dipped galvanized 0.012 inch G30, ddp Houston, \$/short ton	05 Jan 2022	1640 - 1700	0.00%	Dec 2021	1640 - 1700
MB-STE-0212	Steel hot-dipped galvanized coil 0.03-0.13 inch G90 (cold-rolled base), fob mill US, \$/cwt	06 Jan 2022	102	-0.49%	Dec 2021	105.1
MB-STE-0009	Steel galvanized coil 1mm export, fob main port China, \$/tonne	11 Jan 2022	900 - 920	0.00%	Dec 2021	898.75 - 920
MB-STE-0111	Steel prepainted galvanized domestic, exw Turkey, \$/tonne	07 Jan 2022	1175 - 1200	0.00%	Dec 2021	1217 - 1234
MB-STE-0187	Steel coil Galvalume, fob mill US, \$/cwt	21 Dec 2021	92.5	-8.42%	Dec 2021	92.5
MB-STE-0850	Steel coil Galvalume import, cfr main ports South America, \$/tonne	07 Jan 2022	1150 - 1200	0.00%	Dec 2021	1150 - 1200

Steel plate prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0013	Steel heavy plate 8-50mm export, fob Black Sea, CIS, \$/tonne	10 Jan 2022	830 - 835	0.00%	Dec 2021	890 - 940
MB-STE-0034	Steel domestic plate 8-40mm, exw Northern Europe, €/tonne	05 Jan 2022	960 - 990	0.00%	Dec 2021	966 - 994
MB-STE-0035	Steel domestic plate 8-40mm, exw Southern Europe, €/tonne	05 Jan 2022	840 - 860	0.00%	Dec 2021	842 - 870
MB-STE-0049	Steel plate (8-40mm) import, cfr main port Northern Europe, €/tonne	05 Jan 2022	820 - 830	0.00%	Dec 2021	848 - 858
MB-STE-0050	Steel plate (8-40mm) import, cfr main port Southern Europe, €/tonne	05 Jan 2022	820 - 850	1.21%	Dec 2021	848 - 858
MB-STE-0101	Steel plate import, cfr main ports South America, \$/tonne	07 Jan 2022	890 - 915	0.00%	Dec 2021	913 - 934
MB-STE-0134	Steel heavy plate (thicker than 10mm) export, fob main port Latin America, \$/tonne	07 Jan 2022	850 - 865	0.00%	Dec 2021	853 - 867
MB-STE-0146	Steel heavy plate export, fob China main port, \$/tonne	11 Jan 2022	775 - 785	-0.32%	Dec 2021	797.5 - 807.5
MB-STE-0155	Steel plate domestic, delivered whs Eastern China, yuan/tonne	07 Jan 2022	5000 - 5020	-0.30%	Dec 2021	5080 - 5100
MB-STE-0172	Steel cut-to-length plate carbon grade, fob mill US, \$/cwt	07 Jan 2022	90.75	0.00%	Dec 2021	90.75
MB-STE-0179	Steel medium plate, import, ddp Houston, \$/short ton	05 Jan 2022	1450 - 1500	0.00%	Dec 2021	1475 - 1530
MB-STE-0437	Steel heavy plate domestic, ex-whse India, rupees/tonne	07 Jan 2022	62500 - 64500	0.00%	Dec 2021	65800 - 67600
MB-STE-0439	Steel heavy plate 12-40mm export, fob main port India, \$/tonne	07 Jan 2022	760 - 770	-3.16%	Dec 2021	791 - 806
MB-STE-0446	Steel heavy plate 10-40mm import, cfr main port India, \$/tonne	07 Jan 2022	760 - 770	0.00%	Dec 2021	816 - 827
MB-STE-0467	Steel cut-to-length plate carbon grade, fob mill US, \$/short ton	07 Jan 2022	1815	0.00%	Dec 2021	
MB-STE-0514	Steel plate domestic, cpt Moscow, Russia, rubles/tonne incl. VAT	10 Jan 2022	81000 - 83000	0.00%	Dec 2021	80500 - 82000

Reinforcing bar (rebar) prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0008	Steel reinforcing bar (rebar) domestic monthly, delivered Brazil, reais/tonne	10 Dec 2021	4280 - 4600	-7.50%	Dec 2021	4280 - 4600
MB-STE-0015	Steel reinforcing bar (rebar) export, fob Black Sea, CIS, \$/tonne	10 Jan 2022	690 - 735	1.06%	Dec 2021	717.5 - 730
MB-STE-0036	Steel reinforcing bar (rebar) domestic, delivered Northern Europe, €/tonne	05 Jan 2022	810 - 850	0.00%	Dec 2021	812 - 844
MB-STE-0037	Steel reinforcing bar (rebar) domestic, delivered Southern Europe, €/tonne	05 Jan 2022	780 - 800	0.00%	Dec 2021	774 - 800
MB-STE-0051	Steel reinforcing bar (rebar) import, cfr main EU port Northern Europe, €/tonne	05 Jan 2022	710 - 760	0.00%	Dec 2021	714 - 760

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0052	Steel reinforcing bar (rebar) import, cfr main EU port Southern Europe, €/tonne	05 Jan 2022	670 - 700	0.00%	Dec 2021	674 - 700
MB-STE-0066	Steel reinforcing bar (rebar) domestic, cpt Moscow, Russia, rubles/tonne incl. VAT	10 Jan 2022	63000 - 65000	0.00%	Dec 2021	62000 - 64000
MB-STE-0073	Steel reinforcing bar (rebar) export, fob main port Southern Europe, €/tonne	05 Jan 2022	740 - 760	0.00%	Dec 2021	732 - 752
MB-STE-0092	Steel reinforcing bar (rebar) domestic, exw Poland, zloty/tonne	07 Jan 2022	3600 - 3800	0.00%	Dec 2021	3600 - 3720
MB-STE-0112	Steel reinforcing bar (rebar) domestic, exw Egypt, E£/tonne	06 Jan 2022	14900 - 15000	-1.16%	Dec 2021	14900 - 15350
MB-STE-0119	Steel reinforcing bar (rebar) export, fob main port Turkey, \$/tonne	06 Jan 2022	690 - 700	0.72%	Dec 2021	693 - 705
MB-STE-0126	Steel reinforcing bar (rebar) domestic, exw UAE, dirhams/tonne	11 Jan 2022	2400 - 2450	-1.28%	Dec 2021	2439.75 - 2475
MB-STE-0127	Steel reinforcing bar (rebar) import, cfr Jebel Ali, UAE, \$/tonne	11 Jan 2022	651 - 660	-0.38%	Dec 2021	649 - 667
MB-STE-0142	Steel reinforcing bar (rebar) import, cfr Singapore, \$/tonne	10 Jan 2022	705	-0.35%	Dec 2021	711.25 - 713.75
MB-STE-0147	Steel reinforcing bar (rebar) index export, fob China main port, \$/tonne	11 Jan 2022	743.33	0.45%	Dec 2021	781.72
MB-STE-0152	Steel reinforcing bar (rebar) domestic, ex-whs Eastern China, yuan/tonne	11 Jan 2022	4700 - 4740	0.00%	Dec 2021	4778.26 - 4809.57
MB-STE-0162	Steel reinforcing bar (rebar) domestic, ex-whs Northern China, yuan/tonne	07 Jan 2022	4500 - 4550	0.00%	Dec 2021	4642 - 4692
MB-STE-0170	Steel reinforcing bar (rebar), fob mill US, \$/cwt	05 Jan 2022	51.5	0.00%	Dec 2021	51.5
MB-STE-0171	Steel reinforcing bar (rebar), import, loaded truck Port of Houston for immediate delivery, \$/short ton	05 Jan 2022	960 - 990	0.00%	Dec 2021	966 - 992
MB-STE-0438	Steel rebar domestic, exw India, rupees/tonne	07 Jan 2022	46800 - 47000	1.52%	Dec 2021	45280 - 45480
MB-STE-0465	Steel reinforcing bar (rebar), fob mill US, \$/short ton	05 Jan 2022	1030	0.00%	Dec 2021	
MB-STE-0784	Steel reinforcing bar (rebar) domestic, exw Turkey, lira/tonne	06 Jan 2022	10850 - 11000	6.59%	Dec 2021	10903 - 11265

Wire rod prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0017	Steel wire rod (mesh quality) export, fob Black Sea, CIS, \$/tonne	10 Jan 2022	740 - 800	0.65%	Dec 2021	728.75 - 800
MB-STE-0042	Steel wire rod (mesh quality) domestic, delivered Northern Europe, €/tonne	05 Jan 2022	820 - 850	0.00%	Dec 2021	818 - 844
MB-STE-0043	Steel wire rod (mesh quality) domestic, delivered Southern Europe, €/tonne	05 Jan 2022	780 - 820	0.00%	Dec 2021	780 - 808
MB-STE-0053	Steel wire rod (mesh quality) import, main port Northern Europe, €/tonne	05 Jan 2022	760 - 780	0.00%	Dec 2021	762 - 780
MB-STE-0054	Steel wire rod (mesh quality) import, main port Southern Europe, €/tonne	05 Jan 2022	750 - 770	0.00%	Dec 2021	750 - 770
MB-STE-0074	Steel wire rod export, fob main port Southern Europe, €/tonne	05 Jan 2022	780 - 790	0.00%	Dec 2021	774 - 790
MB-STE-0120	Steel wire rod (mesh quality) export, fob main port Turkey, \$/tonne	06 Jan 2022	790 - 800	0.00%	Dec 2021	790 - 800
MB-STE-0130	Steel wire rod (mesh quality) export, fob main port Latin America, \$/tonne	07 Jan 2022	750 - 800	0.00%	Dec 2021	770 - 808
MB-STE-0143	Steel wire rod (low carbon) import, cfr Southeast Asia, \$/tonne	10 Jan 2022	720 - 725	1.76%	Dec 2021	710
MB-STE-0148	Steel wire rod (mesh quality) export, fob China main port, \$/tonne	11 Jan 2022	735 - 740	-1.34%	Dec 2021	743.75 - 757.5
MB-STE-0164	Steel wire rod (mesh quality) domestic, ex-whs Eastern China, yuan/tonne	07 Jan 2022	4700 - 4730	0.43%	Dec 2021	4788 - 4838
MB-STE-0192	Steel wire rod (low carbon) industrial quality, fob mill US, \$/cwt	21 Dec 2021	64 - 69	2.31%	Dec 2021	64 - 69

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0193	Steel wire rod (high carbon), fob mill US, \$/cwt	21 Dec 2021	73	4.29%	Dec 2021	73
MB-STE-0194	Steel wire rod cold-heading quality, ddp, \$/cwt	21 Dec 2021	75	6.38%	Dec 2021	75
MB-STE-0195	Steel wire rod (low carbon) import, loaded truck Port of Houston for immediate delivery, \$/short ton	21 Dec 2021	1180 - 1280	-0.81%	Dec 2021	1180 - 1280
MB-STE-0785	Steel wire rod (mesh quality) domestic, exw Turkey, lira/tonne	06 Jan 2022	12500 - 13000	4.08%	Dec 2021	12440 - 12900
MB-STE-0891	Steel wire rod (drawing quality), domestic, delivered Poland, zloty/tonne	07 Jan 2022	3900 - 4000	0.00%	Dec 2021	3900 - 3950

Steel beams, sections & bar prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FE-0001	Steel merchant bar export, fob main port Turkey, \$/tonne	06 Jan 2022	765 - 770	0.66%	Dec 2021	773 - 776
MB-STE-0020	Steel hollow sections ASTM A500 Grade B domestic, fob mill US, \$/short ton	06 Jan 2022	2225 - 2275	-1.10%	Dec 2021	2260 - 2310
MB-STE-0024	Steel beams domestic, delivered Northern Europe, €/tonne	05 Jan 2022	1020 - 1040	0.00%	Dec 2021	1020 - 1040
MB-STE-0025	Steel beams domestic, delivered Southern Europe, €/tonne	05 Jan 2022	1020 - 1030	0.00%	Dec 2021	1020 - 1030
MB-STE-0038	Steel sections (medium) domestic, delivered Northern Europe, €/tonne	05 Jan 2022	1080 - 1150	0.00%	Dec 2021	1080 - 1150
MB-STE-0039	Steel sections (medium) domestic, delivered Southern Europe, €/tonne	05 Jan 2022	1080 - 1150	0.00%	Dec 2021	1080 - 1150
MB-STE-0161	Steel sections domestic, ex-whs Eastern China, yuan/tonne	07 Jan 2022	4700 - 4750	1.07%	Dec 2021	4676 - 4718
MB-STE-0199	Steel bar 2 x 2 x 1/4-inch angle merchant products, fob mill US, \$/cwt	03 Jan 2022	60.8	0.00%	Dec 2021	60.8
MB-STE-0200	Steel bar 3 x 3 x 1/4-inch angle merchant products, fob mill US, \$/cwt	03 Jan 2022	61.25	0.00%	Dec 2021	61.25
MB-STE-0201	Steel bar 8 x 11.5-inch channels merchant products, fob mill US, \$/cwt	03 Jan 2022	60.5	0.00%	Dec 2021	60.5
MB-STE-0202	Steel bar 1/2 x 4-inch flat merchant products, fob mill US, \$/cwt	03 Jan 2022	61	0.00%	Dec 2021	61
MB-STE-0203	Steel merchant bar, loaded truck Port of Houston for immediate delivery, \$/short ton	03 Jan 2022	1180 - 1220	0.00%	Dec 2021	1180 - 1220
MB-STE-0204	Steel bar cold-finished 1-inch round 4140 (alloy), fob mill US, \$/cwt	17 Dec 2021	112	0.45%	Dec 2021	112
MB-STE-0205	Steel bar cold-finished 1-inch round 1018 (carbon), fob mill US, \$/cwt	17 Dec 2021	91	0.55%	Dec 2021	91
MB-STE-0206	Steel bar cold-finished 1-inch round 12L14 (carbon), fob mill US, \$/cwt	17 Dec 2021	106	-0.47%	Dec 2021	106
MB-STE-0207	Steel bar hot-rolled special bar quality (SBQ) 1-inch round 4100 series (alloy), fob mill US, \$/cwt	17 Dec 2021	81.5	-0.61%	Dec 2021	81.5
MB-STE-0208	Steel bar hot-rolled special bar quality (SBQ) 1-inch round 1000 series (carbon), fob mill US, \$/cwt	17 Dec 2021	70	-0.71%	Dec 2021	70
MB-STE-0209	Steel beams 8 x 8-inch, fob mill US, \$/cwt	03 Jan 2022	70.5	0.00%	Dec 2021	70.5
MB-STE-0210	Steel beams medium sections, loaded truck Port of Houston for immediate delivery, \$/short ton	03 Jan 2022	1345 - 1385	-3.19%	Dec 2021	1390 - 1430
MB-STE-0851	Steel hollow sections ASTM 500 Grade B import, ddp US port of entry, \$/short ton	28 Dec 2021	1850 - 1900	0.00%	Dec 2021	1850 - 1900

Steel billet prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0782	Steel billet export, fob ports Iran, \$/tonne	05 Jan 2022	543 - 550	0.00%	Dec 2021	548.6 - 554.4
MB-STE-0558	Steel billet index export, fob Black Sea, CIS, \$/tonne	11 Jan 2022	603	1.34%	Dec 2021	600.9
MB-STE-0516	Steel billet import, cfr main port Egypt, \$/tonne	06 Jan 2022	640 - 650	0.00%	Dec 2021	649 - 662
MB-STE-0433	Steel billet domestic, exw India, rupees/tonne	07 Jan 2022	43900 - 44000	2.69%	Dec 2021	41780 - 41980

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0440	Steel billet export, fob main port India, \$/tonne	07 Jan 2022	580 - 590	-2.09%	Dec 2021	593 - 598
MB-STE-0141	Steel billet import, cfr Manila, \$/tonne	11 Jan 2022	625 - 630	0.00%	Dec 2021	634.13 - 639.35
MB-STE-0157	Steel billet domestic, exw Tangshan, Northern China, yuan/tonne	11 Jan 2022	4370	0.00%	Dec 2021	4339.57
MB-STE-0890	Steel billet, import, cfr China, \$/tonne	11 Jan 2022	605 - 615	-0.81%	Dec 2021	607 - 615
MB-STE-0116	Steel billet import, cfr main port Turkey, \$/tonne	06 Jan 2022	625 - 635	0.00%	Dec 2021	628 - 637
MB-STE-0117	Steel billet export, fob main port Turkey, \$/tonne	06 Jan 2022	655 - 660	1.94%	Dec 2021	652 - 661
MB-STE-0115	Steel billet domestic, exw Turkey, \$/tonne	06 Jan 2022	655 - 660	1.94%	Dec 2021	654 - 667
MB-STE-0128	Steel billet export, fob main port Latin America, \$/tonne	07 Jan 2022	600 - 610	0.00%	Dec 2021	602 - 618
MB-STE-0122	Steel billet import, cfr Jebel Ali, UAE, \$/tonne	11 Jan 2022	580 - 620	0.00%	Dec 2021	590 - 625

Steel slab prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0781	Steel slab export, fob ports Iran, \$/tonne	05 Jan 2022	568	0.00%	Dec 2021	575.2
MB-STE-0566	Steel slab export, fob main port Brazil, \$/tonne	07 Jan 2022	580 - 600	-0.84%	Dec 2021	601 - 628
MB-STE-0140	Steel slab import, cfr Southeast Asia/East Asia, \$/tonne	10 Jan 2022	625	-0.79%	Dec 2021	647.5 - 663.75
MB-STE-0016	Steel slab export, fob Black Sea, CIS, \$/tonne	10 Jan 2022	585 - 600	0.42%	Dec 2021	596.25 - 613.75

Steel tube & pipe prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0022	Steel ERW standard pipe A53 Grade A, fob mill US, \$/short ton	28 Dec 2021	2100 - 2150	-4.49%	Dec 2021	2100 - 2150
MB-STE-0023	Steel ERW standard pipe A53 Grade B, fob mill US, \$/short ton	28 Dec 2021	2200 - 2250	-4.30%	Dec 2021	2200 - 2250
MB-STE-0056	Steel ERW standard pipe A53 Grade A import, cif Houston, \$/short ton	28 Dec 2021	1900 - 1950	0.00%	Dec 2021	1900 - 1950
MB-STE-0057	Steel ERW standard pipe A53 Grade B import, cif Houston, \$/short ton	28 Dec 2021	1950 - 2000	0.00%	Dec 2021	1950 - 2000
MB-STE-0059	Steel seamless line pipe - API 5LB import, cif Houston, \$/short ton	11 Jan 2022	2525 - 2705	0.00%	Dec 2021	2525 - 2705
MB-STE-0062	Steel seamless OCTG API 5CT - Casing P110, import, cif Houston, \$/short ton	11 Jan 2022	1825 - 1925	0.00%	Dec 2021	1825 - 1925
MB-STE-0063	Steel OCTG API 5CT - Casing J55, fob mill US, \$/short ton	11 Jan 2022	2250 - 2350	0.00%	Dec 2021	2250 - 2350
MB-STE-0071	Steel seamless OCTG API 5CT - Casing P110, fob mill US, \$/short ton	11 Jan 2022	2250 - 2350	0.00%	Dec 2021	2250 - 2350
MB-STE-0090	Steel welded mechanical tubing ASTM A513, fob mill US, \$/short ton	28 Dec 2021	2275 - 2350	-3.65%	Dec 2021	2275 - 2350
MB-STE-0166	Steel structural pipe export S235JR grade EN10219 2mm wall thickness, fob main port Turkey, \$/tonne	08 Dec 2021	940 - 945	-4.31%	Dec 2021	940 - 945
MB-STE-0545	Steel ERW line pipe (X52), fob mill US, \$/short ton	11 Jan 2022	2425 - 2475	0.00%	Dec 2021	2425 - 2475
MB-STE-0561	Steel ERW line pipe (X65), fob mill US, \$/short ton	11 Jan 2022	2550 - 2600	0.00%	Dec 2021	2550 - 2600
MB-STE-0564	Steel welded OCTG API 5CT - Casing P110, fob mill US, \$/short ton	11 Jan 2022	2200 - 2300	0.00%	Dec 2021	2200 - 2300
MB-STE-0565	Steel welded OCTG API 5CT - Casing P110, import, cif Houston, \$/short ton	11 Jan 2022	1900 - 1950	0.00%	Dec 2021	1900 - 1950
MB-STE-0869	Steel OCTG API 5CT - Casing J55 import South Korean-made, cif Houston, \$/short ton	11 Jan 2022	1750 - 1800	0.00%	Dec 2021	1750 - 1800
MB-STE-0870	Steel OCTG API 5CT - Casing J55 import non-South Korean-made, cif Houston, \$/short ton	11 Jan 2022	1800 - 1850	0.00%	Dec 2021	1800 - 1850
MB-STE-0871	Steel ERW line pipe (X52) import South Korean-made, cif Houston, \$/short ton	11 Jan 2022	1700 - 1800	0.00%	Dec 2021	1700 - 1800

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0872	Steel ERW line pipe (X52) import non-South Korean-made, cif Houston, \$/short ton	11 Jan 2022	2135 - 2235	0.00%	Dec 2021	2135 - 2235
MB-STE-0873	Steel ERW line pipe (X70), fob mill US, \$/short ton	11 Jan 2022	2600 - 2650	0.00%	Dec 2021	2600 - 2650

Stainless & special steel prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0281	Stainless steel cold-rolled sheet 2mm grade 304 transaction domestic, delivered North Europe, €/tonne	07 Jan 2022	4400 - 4500	0.57%	Dec 2021	4300 - 4430
MB-ST5-0035	Stainless steel 304 cold-rolled sheet, fob mill US, \$/cwt	10 Jan 2022	205	2.50%	Dec 2021	200
MB-ST5-0034	Stainless steel 304L cold-rolled sheet, fob mill US, \$/cwt	10 Jan 2022	209	2.45%	Dec 2021	204
MB-ST5-0037	Stainless steel 316L cold-rolled sheet, fob mill US, \$/cwt	10 Jan 2022	282	1.44%	Dec 2021	278
MB-ST5-0005	Stainless steel bright bar grade 304 base price domestic, delivered Europe, €/tonne	07 Jan 2022	1050 - 1100	0.00%	Dec 2021	1050 - 1100
MB-ST5-0004	Stainless steel bright bar grade 304 alloy surcharge domestic, Europe, €/tonne	07 Jan 2022	2993 - 3330	0.00%	Dec 2021	2993 - 3330
MB-ST5-0282	Stainless steel cold-rolled coil 2mm grade 304 export, fob China, \$/tonne	05 Jan 2022	2840 - 2920	1.59%	Dec 2021	2742 - 2890
MB-ST5-0018	Stainless steel cold-rolled coil, Asia grade 304 (2mm 2B), cif East Asian port, \$/tonne	05 Jan 2022	2900 - 2980	3.16%	Dec 2021	2790 - 2868
MB-ST5-0015	Stainless steel cold-rolled coil 2mm grade 304 domestic, ex-whs China, yuan/tonne	05 Jan 2022	17400 - 17500	2.05%	Dec 2021	16720 - 17000
MB-ST5-0016	Stainless steel cold-rolled coil 2mm grade 430 domestic, ex-whs China, yuan/tonne	05 Jan 2022	9300 - 9350	0.00%	Dec 2021	9480 - 9530
MB-ST5-0283	Stainless steel hot-rolled coil grade 304 export, fob China, \$/tonne	05 Jan 2022	2850 - 2900	1.59%	Dec 2021	2756 - 2830
MB-ST5-0280	Stainless steel hot-rolled coil Asia grade 304, cif port East Asia, \$/tonne	05 Jan 2022	2630 - 2660	1.54%	Dec 2021	2698 - 2758
MB-ST5-0001	Stainless steel cold-rolled sheet 316 2mm alloy surcharge domestic, Europe, €/tonne	07 Jan 2022	3546 - 3589	0.00%	Dec 2021	3546 - 3589
MB-ST5-0002	Stainless steel cold-rolled sheet base price 316 2mm domestic, delivered Europe, €/tonne	07 Jan 2022	2180 - 2280	0.00%	Dec 2021	2180 - 2280
MB-ST5-0006	Stainless steel cold-rolled sheet 2mm grade 304 alloy surcharge domestic, Europe, €/tonne	07 Jan 2022	2308 - 2363	0.00%	Dec 2021	2308 - 2363
MB-ST5-0007	Stainless steel cold-rolled sheet 2mm grade 304 base price domestic, delivered Northern Europe, €/tonne	07 Jan 2022	1900 - 2000	0.00%	Dec 2021	1900 - 2000

Ores and alloys prices

Source: dashboard.fastmarkets.com/m/6c3ef6d0-3976-4705-9af1-f3423ca64ee1

Chrome ore and ferro-chrome prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CHO-0002	Chrome ore Turkish lumpy 40-42%, cfr main Chinese ports, \$/tonne	11 Jan 2022	300 - 310	0.00%	Dec 2021	290 - 308.75
MB-CHO-0003	Chrome ore South Africa UG2/MG concentrates index, cif China, \$/tonne	11 Jan 2022	171	0.00%	Dec 2021	170.75
MB-FEC-0001	Ferro-chrome low phosphorous, min 65% Cr, max 0.015% P, delivered Europe, \$/lb	04 Jan 2022	1.77 - 1.99	0.00%	Dec 2021	1.77 - 1.99
MB-FEC-0002	Ferro-chrome low carbon, 65% Cr, max 0.06% C, delivered Europe, \$/lb Cr	04 Jan 2022	3.69 - 4.32	0.00%	Dec 2021	3.67 - 4.31
MB-FEC-0003	Ferro-chrome 0.10% C, average 65-70% Cr, delivered Europe, \$/lb Cr	04 Jan 2022	3.65 - 4.28	0.00%	Dec 2021	3.63 - 4.27
MB-FEC-0004	Ferro-chrome high carbon 6-8.5% C, basis 60-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	28 Dec 2021	1.72 - 1.92	0.00%	Dec 2021	1.72 - 1.92
MB-FEC-0005	Ferro-chrome contract 6-8% C, basis 50% Cr, ddp China, yuan/tonne	11 Jan 2022	8195 - 9600	0.00%	Dec 2021	9098.75 - 9600
MB-FEC-0006	Ferro-chrome spot 6-8% C, basis 50% Cr, ddp China, yuan/tonne	11 Jan 2022	8200 - 8500	1.21%	Dec 2021	8725 - 9000
MB-FEC-0007	Ferro-chrome high carbon 6-8% C, basis 60-65% Cr, max 2% Si, in-whs Pittsburgh, US cents/lb	06 Jan 2022	210 - 225	1.16%	Dec 2021	202 - 222
MB-FEC-0008	Ferro-chrome low carbon 0.05%C, 65% Cr min, in-whs Pittsburgh, US cents/lb	06 Jan 2022	380 - 385	0.00%	Dec 2021	380 - 385
MB-FEC-0009	Ferro-chrome low carbon 0.10%C, 62% Cr min, in-whs Pittsburgh, US cents/lb	06 Jan 2022	365 - 375	0.00%	Dec 2021	365 - 375
MB-FEC-0010	Ferro-chrome low carbon 0.15%C, 60% Cr min, in-whs Pittsburgh, US cents/lb	06 Jan 2022	355 - 360	0.00%	Dec 2021	355 - 360
MB-FEC-0011	Ferro-chrome 50% Cr import, cif main Chinese ports, \$/lb contained Cr	11 Jan 2022	1.07	0.00%	Dec 2021	1.16
MB-FEC-0012	Ferro-chrome high carbon 6-8% C, basis 60-65% Cr, max 2% Si, in-whs Pittsburgh, \$/lb	06 Jan 2022	2.1 - 2.25	1.40%	Dec 2021	
MB-FEC-0013	Ferro-chrome low carbon 0.05%C, 65% Cr min, in-whs Pittsburgh, \$/lb	06 Jan 2022	3.8 - 3.85	0.00%	Dec 2021	
MB-FEC-0014	Ferro-chrome low carbon 0.10%C, 62% Cr min, in-whs Pittsburgh, \$/lb	06 Jan 2022	3.65 - 3.75	0.00%	Dec 2021	
MB-FEC-0015	Ferro-chrome low carbon 0.15%C, 60% Cr min, in-whs Pittsburgh, \$/lb	06 Jan 2022	3.55 - 3.6	0.00%	Dec 2021	
MB-FEC-0016	Ferro-chrome lumpy Cr charge quarterly, basis 52% Cr (and high carbon), delivered Europe, \$/lb Cr (rounded to the closest 2 decimal places)	01 Oct 2021	1.8	15.38%	Dec 2021	1.8
MB-FEC-0017	Ferro-chrome high carbon 57-65% Cr, cif dup Japan, \$/lb	30 Dec 2021	1.06 - 1.08	-10.83%	Dec 2021	1.17 - 1.19
MB-FEC-0018	Ferro-chrome high carbon 57-65% Cr, cif dup South Korea, \$/lb	30 Dec 2021	1.05 - 1.07	-10.17%	Dec 2021	1.15 - 1.17
MB-FEC-0019	Ferro-chrome lumpy Cr benchmark indicator, charge basis 52% (and high carbon), Europe, \$/lb	11 Jan 2022	1.72	0.58%	Dec 2021	1.81
MB-FEC-0020	Ferro-chrome high carbon 6-8.5% C, basis 60-64.9% Cr, max 3% Si, cif Europe, \$/lb Cr	11 Jan 2022	1.28 - 1.5	-4.79%	Dec 2021	1.42 - 1.5
MB-FEC-0021	Ferro-chrome high carbon 6-8.5% C, basis 65-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	11 Jan 2022	1.73 - 1.95	1.10%	Dec 2021	1.72 - 1.92

Manganese ore and alloy prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEM-0001	Ferro-manganese high carbon 78% Mn, standard 7.5% C, in-whs Pittsburgh, \$/long ton	06 Jan 2022	2600 - 2650	0.00%	Dec 2021	2600 - 2650
MB-FEM-0002	Ferro-manganese low carbon 80% Mn, max 0.80% C, in-whs Pittsburgh, US cents/lb	06 Jan 2022	315 - 320	0.00%	Dec 2021	315 - 320
MB-FEM-0003	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, US cents/lb	06 Jan 2022	255 - 260	0.00%	Dec 2021	249 - 254
MB-FEM-0004	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	06 Jan 2022	2.55 - 2.6	0.00%	Dec 2021	
MB-FEM-0006	Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	07 Jan 2022	1500 - 1550	-10.29%	Dec 2021	1670 - 1770
MB-FEM-0007	Ferro-manganese 65% Mn min, max 7% C, in-whs China, yuan/tonne	07 Jan 2022	7200 - 7500	0.00%	Dec 2021	6920 - 7060
MB-MNO-0001	Manganese ore 44% Mn, cif Tianjin, \$/dmtu	07 Jan 2022	5.46	-2.50%	Dec 2021	5.52
MB-MNO-0002	Manganese ore 37% Mn, fob Port Elizabeth, \$/dmtu	07 Jan 2022	3.23	1.57%	Dec 2021	3.21
MB-MNO-0003	Manganese ore index 37% Mn, cif Tianjin, \$/dmtu	07 Jan 2022	4.51	0.22%	Dec 2021	4.54
MB-MNO-0004	Manganese ore port index, base 37% Mn, range 35-39%, fot Tianjin China, yuan/dmtu	07 Jan 2022	33.9	-0.29%	Dec 2021	33.94
MB-MNO-0005	Manganese ore port index, base 44% Mn, range 42-48%, fot Tianjin China, yuan/dmtu	07 Jan 2022	42.1	-0.24%	Dec 2021	42.24
MB-SIM-0001	Silico-manganese 65% Mn min, max 17% Si, in-whs China, yuan/tonne	07 Jan 2022	7800 - 8000	0.00%	Dec 2021	7680 - 7900
MB-SIM-0002	Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	07 Jan 2022	1550 - 1600	-4.55%	Dec 2021	1620 - 1720
MB-SIM-0003	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, US cents/lb	06 Jan 2022	120 - 125	0.00%	Dec 2021	120 - 125
MB-SIM-0005	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	06 Jan 2022	1.2 - 1.25	0.00%	Dec 2021	
MB-SIM-0004	Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	07 Jan 2022	1450 - 1500	1.72%	Dec 2021	1445 - 1495

Ferro-silicon prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FES-0001	Ferro-silicon 75% Si min, in-whs China, yuan/tonne	05 Jan 2022	9300 - 9500	0.00%	Dec 2021	9360 - 9600
MB-FES-0002	Ferro-silicon 75% Si, in-whs Pittsburgh, US cents/lb	06 Jan 2022	330 - 340	0.00%	Dec 2021	330 - 340
MB-FES-0003	Ferro-silicon 75% Si, in-whs Pittsburgh, \$/lb	06 Jan 2022	3.3 - 3.4	0.00%	Dec 2021	
MB-FES-0004	Ferro-silicon 75% Si min export, fob China, \$/tonne	05 Jan 2022	2000 - 2050	-1.22%	Dec 2021	2070 - 2170
MB-FES-0005	Ferro-silicon lumpy basis 75% Si (scale pro rata), delivered Europe, €/tonne	07 Jan 2022	2800 - 3300	0.00%	Dec 2021	3060 - 3460
MB-FES-0006	Ferro-silicon 75% Si min, cif Japan, \$/tonne	05 Jan 2022	2030 - 2080	-1.67%	Dec 2021	2104 - 2208

Tungsten prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEU-0001	Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W	07 Jan 2022	38 - 39.5	2.92%	Dec 2021	36.75 - 38.5
MB-FEU-0003	Ferro-tungsten export, min 75% fob China, \$/kg W	05 Jan 2022	38.5 - 40.5	0.00%	Dec 2021	38.1 - 40.1
MB-W-0001	Tungsten APT 88.5% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3	07 Jan 2022	321 - 330	0.93%	Dec 2021	320 - 325
MB-W-0002	Tungsten concentrate 65% WO3, in-whs China, yuan/tonne	05 Jan 2022	113000 - 114000	1.34%	Dec 2021	108500 - 109800
MB-W-0003	Tungsten APT 88.5% WO3 min, fob main ports China, \$/mtu WO3	05 Jan 2022	315 - 320	0.00%	Dec 2021	313.8 - 319.4

**Vanadium & niobium prices**

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEV-0003	Ferro-vanadium 78% V min, fob China, \$/kg V	06 Jan 2022	37.79 - 38.81	-0.05%	Dec 2021	37.78 - 38.52
MB-FEV-0001	Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V	07 Jan 2022	33 - 33.5	0.00%	Dec 2021	32.28 - 33
MB-FEV-0002	Ferro-vanadium 70-80% V, in-whs Pittsburgh, \$/lb	06 Jan 2022	15 - 15.25	0.33%	Dec 2021	14.9 - 15.25
MB-V-0001	Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5	07 Jan 2022	8.5 - 9	0.00%	Dec 2021	8.5 - 9
MB-V-0002	Vanadium pentoxide 98% V2O5 min, fob China, \$/lb V2O5	06 Jan 2022	8.77 - 8.92	-0.34%	Dec 2021	8.76 - 8.91
MB-V-0004	Vanadium pentoxide 98% V2O5 min, exw China, yuan/tonne	06 Jan 2022	123000 - 125000	-0.60%	Dec 2021	122900 - 125000
MB-V-0003	Vanadium nitrogen, basis 77%V, 16% N, exw China, yuan/tonne	06 Jan 2022	185000 - 190000	-0.27%	Dec 2021	185200 - 188800
MB-FN-0001	Ferro-niobium 63-67% delivered consumer works, dp, Europe \$ per kg Nb	05 Jan 2022	44.2 - 45.5	0.00%	Dec 2021	44.32 - 45.7

Ferro-nickel & ferro-titanium prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEN-0003	Ferro-nickel premium/discount, 26-32% Ni contained, cif China, \$/tonne	29 Dec 2021	(700) - (300)		Dec 2021	(700) - (300)
MB-FET-0001	Ferro-titanium 70% Ti, max 4.5% Al, ddp Europe, \$/kg Ti	05 Jan 2022	7.7 - 8	0.00%	Dec 2021	7.7 - 8.04
MB-FET-0002	Ferro-titanium 68-72% Ti, ex-whs US, \$/lb	06 Jan 2022	3.6 - 3.85	0.00%	Dec 2021	3.6 - 3.85

Molybdenum prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEO-0001	Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo	07 Jan 2022	44.5 - 45.1	0.90%	Dec 2021	43.31 - 44.46
MB-FEO-0002	Ferro-molybdenum 65-70% Mo, in-whs Pittsburgh, \$/lb	06 Jan 2022	20.25 - 21	0.00%	Dec 2021	20.4 - 21.1
MB-FEO-0003	Molybdenum drummed molybdic oxide 57% Mo min, in-whs Rotterdam, \$/lb Mo	07 Jan 2022	18.95 - 19.1	0.16%	Dec 2021	18.84 - 19.05
MB-FEO-0004	Molybdenum MB drummed molybdic oxide Mo, in-whs Busan, \$/lb	07 Jan 2022	18.6 - 19	1.18%	Dec 2021	18.3 - 18.6
MB-MO-0001	Molybdenum canned molybdic oxide, in-whs Pittsburgh, \$/lb	06 Jan 2022	18.9 - 19.5	0.00%	Dec 2021	18.81 - 19.5

Non-ferrous scrap prices

 Source: dashboard.fastmarkets.com/m/3ca714c4-9cae-418e-9e78-581721ebe93d

US aluminium scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0364	Aluminum scrap 63S aluminum solids, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	81	0.00%	Dec 2021	70.5
MB-AL-0370	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	53	0.00%	Dec 2021	50.5
MB-AL-0371	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	57	0.00%	Dec 2021	58.5
MB-AL-0367	Aluminum scrap litho sheets, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	95	0.00%	Dec 2021	91
MB-AL-0372	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	66	0.00%	Dec 2021	63
MB-AL-0037	Aluminum scrap segregated low copper alloy clips 3105, mills specialty consumers' buying price, delivered consumer US, US cents/lb	06 Jan 2022	101 - 104	0.99%	Dec 2021	92 - 94.6
MB-AL-0369	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	65	0.00%	Dec 2021	64
MB-AL-0366	Aluminum scrap industrial castings, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	55	0.00%	Dec 2021	51.5
MB-AL-0365	Aluminum scrap aluminum borings, turnings, clean & dry, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	27	0.00%	Dec 2021	27
MB-AL-0031	Aluminum scrap turnings clean dry high grade buying price, delivered to Midwest secondary smelters, US cents/lb	06 Jan 2022	69 - 73	0.00%	Dec 2021	68.4 - 72.4
MB-AL-0032	Aluminum scrap turnings clean dry mixed grade (max 5% Zn) buying price, delivered to Midwest secondary smelters, US cents/lb	06 Jan 2022	58 - 62	0.00%	Dec 2021	58 - 62
MB-AL-0033	Aluminum scrap aluminium-copper radiators buying price, delivered to Midwest secondary smelters, US cents/lb	06 Jan 2022	200 - 210	0.00%	Dec 2021	199 - 209
MB-AL-0030	Aluminum scrap old cast buying price, delivered to Midwest secondary smelters, US cents/lb	06 Jan 2022	68 - 72	0.00%	Dec 2021	68 - 72
MB-AL-0029	Aluminum scrap old sheet buying price, delivered to Midwest secondary smelters, US cents/lb	06 Jan 2022	69 - 72	0.00%	Dec 2021	69 - 72
MB-AL-0027	Aluminum scrap siding buying price, delivered Midwest secondary smelters, US cents/lb	06 Jan 2022	71 - 74	0.00%	Dec 2021	71 - 74
MB-AL-0368	Aluminum scrap mixed clips, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	63	0.00%	Dec 2021	61.5
MB-AL-0028	Aluminum scrap mixed clips buying price, delivered to Midwest secondary smelters, US cents/lb	06 Jan 2022	66 - 70	0.00%	Dec 2021	64.8 - 68.4
MB-AL-0024	Aluminum scrap mixed high copper clips, buying price, delivered Midwest secondary smelters, US cents/lb	06 Jan 2022	71 - 75	0.00%	Dec 2021	70 - 74
MB-AL-0038	Aluminum scrap mixed low copper clips, specialty consumers' buying price, delivered consumer US, US cents/lb	06 Jan 2022	99 - 103	1.00%	Dec 2021	90.4 - 94.2
MB-AL-0023	Aluminum scrap mixed low copper clips, buying price, delivered Midwest secondary smelters, US cents/lb	06 Jan 2022	73 - 77	0.00%	Dec 2021	72.6 - 76.6
MB-AL-0025	Aluminum scrap mixed high zinc clips buying price, delivered Midwest secondary smelters, US cents/lb	06 Jan 2022	64 - 68	0.00%	Dec 2021	64 - 68
MB-AL-0026	Aluminum scrap 1-1-3 sows buying price, delivered Midwest secondary smelters, US cents/lb	06 Jan 2022	73 - 75	0.00%	Dec 2021	73 - 75



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0036	Aluminum scrap segregated low copper alloy clips 5052, mills specialty consumers' buying price, fob shipping point US, US cents/lb	06 Jan 2022	140 - 142	1.44%	Dec 2021	129.4 - 133.6
MB-AL-0039	Aluminum scrap painted siding, specialty consumers' buying price, delivered consumer US, US cents/lb	06 Jan 2022	97 - 100	2.07%	Dec 2021	88 - 91.4
MB-AL-0373	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	57	0.00%	Dec 2021	53.5
MB-AL-0035	Aluminum scrap used beverage cans, domestic aluminum producer buying price, fob shipping point US, US cents/lb	06 Jan 2022	93 - 95	2.73%	Dec 2021	84.2 - 87.2
MB-AL-0034	Aluminum scrap non-ferrous auto shred (90% Al) buying price, delivered to Midwest secondary smelters, US cents/lb	06 Jan 2022	78 - 82	0.00%	Dec 2021	75.6 - 78.8
MB-AL-0375	Zorba 95/3 min, basis delivered US facility, US cents/lb	06 Jan 2022	63 - 64	0.00%	Dec 2021	63.2 - 64.4
MB-AL-0161	Aluminum scrap 63S aluminum solids, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	177	10.63%	Dec 2021	160
MB-AL-0117	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	43	0.00%	Dec 2021	43
MB-AL-0101	Aluminum scrap borings, turnings, clean & dry, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	20	0.00%	Dec 2021	20
MB-AL-0118	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	75	2.74%	Dec 2021	73
MB-AL-0102	Aluminum scrap borings, turnings, clean & dry, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	50	0.00%	Dec 2021	50
MB-AL-0160	Aluminum scrap 63S aluminum solids, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	75	0.00%	Dec 2021	75
MB-AL-0085	Aluminum scrap mixed clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	50	0.00%	Dec 2021	50
MB-AL-0054	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	125	9.65%	Dec 2021	113.5
MB-AL-0149	Aluminum scrap industrial castings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	45	0.00%	Dec 2021	45
MB-AL-0150	Aluminum scrap industrial castings, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	75	11.94%	Dec 2021	67
MB-AL-0133	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	15	0.00%	Dec 2021	15
MB-AL-0134	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	98	6.52%	Dec 2021	92
MB-AL-0203	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	47	0.00%	Dec 2021	47
MB-AL-0204	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	96	5.49%	Dec 2021	90
MB-AL-0070	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	103	14.44%	Dec 2021	91.5
MB-AL-0069	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	45	0.00%	Dec 2021	45
MB-AL-0053	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	60	0.00%	Dec 2021	60

Canadian aluminium scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0161	Aluminum scrap 63S aluminum solids, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	177	10.63%	Dec 2021	160
MB-AL-0117	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	43	0.00%	Dec 2021	43
MB-AL-0101	Aluminum scrap borings, turnings, clean & dry, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	20	0.00%	Dec 2021	20
MB-AL-0118	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	75	2.74%	Dec 2021	73
MB-AL-0102	Aluminum scrap borings, turnings, clean & dry, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	50	0.00%	Dec 2021	50
MB-AL-0160	Aluminum scrap 63S aluminum solids, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	75	0.00%	Dec 2021	75
MB-AL-0085	Aluminum scrap mixed clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	50	0.00%	Dec 2021	50
MB-AL-0054	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	125	9.65%	Dec 2021	113.5
MB-AL-0149	Aluminum scrap industrial castings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	45	0.00%	Dec 2021	45
MB-AL-0150	Aluminum scrap industrial castings, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	75	11.94%	Dec 2021	67
MB-AL-0133	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	15	0.00%	Dec 2021	15
MB-AL-0134	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	98	6.52%	Dec 2021	92
MB-AL-0203	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	47	0.00%	Dec 2021	47
MB-AL-0204	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	96	5.49%	Dec 2021	90
MB-AL-0070	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	103	14.44%	Dec 2021	91.5
MB-AL-0069	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	45	0.00%	Dec 2021	45
MB-AL-0053	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	60	0.00%	Dec 2021	60

European aluminium scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0286	Aluminium scrap group 7 turnings, LME discount, delivered consumer works, UK, £/tonne	05 Jan 2022	860 - 900	-10.30%	Dec 2021	1043.6 - 1083.6
MB-AL-0015	Aluminium scrap group 7 turnings, delivered consumer UK, £/tonne	05 Jan 2022	730 - 770	1.35%	Dec 2021	720 - 760
MB-AL-0012	Aluminium scrap commercial turnings, delivered consumer UK, £/tonne	05 Jan 2022	860 - 920	1.14%	Dec 2021	854 - 914
MB-AL-0285	Aluminium scrap commercial turnings, LME discount, delivered consumer UK, £/tonne	05 Jan 2022	710 - 770	-12.01%	Dec 2021	889.6 - 949.6
MB-AL-0010	Aluminium scrap commercial cast, delivered consumer UK, £/tonne	05 Jan 2022	1180 - 1230	0.42%	Dec 2021	1168 - 1228
MB-AL-0283	Aluminium scrap commercial cast, LME discount, delivered consumer UK, £/tonne	05 Jan 2022	400 - 450	-18.43%	Dec 2021	575.6 - 635.6
MB-AL-0011	Aluminium scrap commercial pure cuttings, delivered consumer UK, £/tonne	05 Jan 2022	1220 - 1260	2.48%	Dec 2021	1190 - 1230

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0279	Aluminium scrap commercial pure cuttings, LME discount, delivered consumer UK, £/tonne	05 Jan 2022	835 - 875	-5.11%	Dec 2021	792.2 - 832.2
MB-AL-0017	Aluminium scrap LM6/LM25 gravity diecasting ingot, delivered consumer UK, £/tonne	05 Jan 2022	2420 - 2500	0.82%	Dec 2021	2400 - 2480
MB-AL-0284	Aluminium scrap cast wheels, LME discount, delivered consumer UK, £/tonne	05 Jan 2022	(50) - 0		Dec 2021	135.6 - 191.6
MB-AL-0007	Aluminium scrap cast wheels, delivered consumer UK, £/tonne	05 Jan 2022	1630 - 1680	0.30%	Dec 2021	1612 - 1668
MB-AL-0008	Aluminium scrap cast, delivered consumer Europe, €/tonne	07 Jan 2022	1530 - 1580	0.00%	Dec 2021	1530 - 1580
MB-AL-0278	Aluminium scrap group 1 pure 99% & litho, LME discount, delivered consumer UK, £/tonne	05 Jan 2022	165 - 215	-12.04%	Dec 2021	124.2 - 174.2
MB-AL-0014	Aluminium scrap group 1 pure 99% & litho, delivered consumer UK, £/tonne	05 Jan 2022	1880 - 1930	0.53%	Dec 2021	1848 - 1898
MB-AL-0281	Aluminium scrap loose old rolled cuttings, LME discount, delivered consumer UK, £/tonne	05 Jan 2022	620 - 670	-13.54%	Dec 2021	815.6 - 853.6
MB-AL-0018	Aluminium scrap loose old rolled cuttings, delivered consumer UK, £/tonne	05 Jan 2022	960 - 1010	1.03%	Dec 2021	950 - 988
MB-AL-0282	Aluminium scrap baled old rolled, LME discount, delivered consumer UK, £/tonne	05 Jan 2022	540 - 580	-16.54%	Dec 2021	739.6 - 779.6
MB-AL-0006	Aluminium scrap baled old rolled, delivered consumer UK, £/tonne	05 Jan 2022	1050 - 1090	1.90%	Dec 2021	1024 - 1064
MB-AL-0280	Aluminium scrap clean HE9 extrusions, LME discount, delivered consumer UK, £/tonne	05 Jan 2022	165 - 215	-12.04%	Dec 2021	122.2 - 172.2
MB-AL-0013	Aluminium scrap floated frag, delivered consumer Europe, €/tonne	07 Jan 2022	1570 - 1630	0.95%	Dec 2021	1550 - 1620
MB-AL-0019	Aluminium scrap mixed turnings, delivered consumer Europe, €/tonne	07 Jan 2022	1330 - 1380	0.37%	Dec 2021	1320 - 1380
MB-AL-0009	Aluminium scrap clean HE9 extrusions, delivered consumer UK, £/tonne	05 Jan 2022	1880 - 1930	0.53%	Dec 2021	1850 - 1900
MB-AL-0016	Aluminium scrap LM24 pressure diecasting ingot, delivered consumer UK, £/tonne	05 Jan 2022	1990 - 2040	0.50%	Dec 2021	1980 - 2038

Secondary aluminium alloy prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0005	Aluminium pressure diecasting ingot DIN226/A380, delivered Europe, €/tonne	07 Jan 2022	2310 - 2360	0.43%	Dec 2021	2288 - 2350
MB-AL-0040	Aluminum alloy A380.1, delivered Midwest, US cents/lb	06 Jan 2022	142 - 147	1.40%	Dec 2021	140 - 144.2
MB-AL-0233	Aluminum alloy A380.1, delivered Midwest, \$/lb	06 Jan 2022	1.42 - 1.47	1.40%	Dec 2021	
MB-AL-0041	Aluminum alloy 319.1, delivered Midwest, cents/lb	06 Jan 2022	151 - 153	0.33%	Dec 2021	146.2 - 150.2
MB-AL-0042	Aluminum alloy 356.1, delivered Midwest, cents/lb	06 Jan 2022	176 - 180	0.28%	Dec 2021	170 - 175
MB-AL-0043	Aluminum alloy A360.1, delivered Midwest, cents/lb	06 Jan 2022	177 - 181	0.00%	Dec 2021	174.2 - 178.8
MB-AL-0044	Aluminum alloy A413.1, delivered Midwest, cents/lb	06 Jan 2022	183 - 187	0.54%	Dec 2021	178.6 - 181.2
MB-AL-0292	Aluminium ingot ADC 12 spot (MJP), cfr Japan, \$/tonne	05 Jan 2022	2400 - 2450	0.00%	Dec 2021	2460 - 2540
MB-AL-0350	Aluminium ingot ADC 12, exw dp China, yuan/tonne	05 Jan 2022	20000 - 20500	0.75%	Dec 2021	19780 - 20260

Copper scrap No1 & No2 prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0417	Copper scrap No1 heavy copper & wire, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	360	0.00%	Dec 2021	360

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0295	Copper scrap No1 copper, discount, buying price, delivered to brass ingot makers, US cents/lb	05 Jan 2022	(23) - (20)		Dec 2021	(25.4) - (21.8)
MB-CU-0292	Copper scrap No1 copper, discount, buying price, delivered to refiners, US cents/lb	05 Jan 2022	(16) - (10)		Dec 2021	(20) - (16)
MB-CU-0291	Copper scrap No1 copper, discount, buying price, delivered to brass mill US, US cents/lb	05 Jan 2022	(12) - (9)		Dec 2021	(13.8) - (10.8)
MB-CU-0294	Copper scrap No1 bare bright, discount, buying price, delivered to brass ingot makers, US cents/lb	05 Jan 2022	(9) - (7)		Dec 2021	(13) - (10.2)
MB-CU-0305	Copper scrap No1 bare bright, buying price, delivered to brass ingot makers, US cents/lb	11 Jan 2022	434 - 436	1.87%	Dec 2021	419.9 - 422.67
MB-CU-0306	Copper scrap No1 copper, buying price, delivered to brass ingot makers, US cents/lb	11 Jan 2022	420 - 423	1.93%	Dec 2021	407.24 - 410.95
MB-CU-0302	Copper scrap No1 copper, buying price, delivered to brass mill US, US cents/lb	11 Jan 2022	432.5	1.88%	Dec 2021	420.45
MB-CU-0298	Copper scrap No1 comp solids, buying price, delivered to brass ingot makers, US cents/lb	05 Jan 2022	335 - 338	0.90%	Dec 2021	331 - 334.4
MB-CU-0303	Copper scrap No1 copper, buying price, delivered to refiners, US cents/lb	11 Jan 2022	430	1.90%	Dec 2021	415.1
MB-CU-0010	Copper scrap No1 heavy copper & wire, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	483	3.21%	Dec 2021	470.5
MB-CU-0009	Copper scrap No1 heavy copper & wire, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	330	0.00%	Dec 2021	330
MB-CU-0512	No1 copper material, RCu-2A,1B (candy/berry), cif China, LME/Comex discount, US cents per lb	27 Dec 2021	9 - 13	0.00%	Dec 2021	9 - 13
MB-CU-0360	No2 copper material, RCu-2B (birch/cliff), cif China, LME/Comex discount, US cents per lb	27 Dec 2021	24 - 28	0.00%	Dec 2021	24 - 28
MB-CU-0025	Copper scrap No2 heavy copper & wire, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	293	0.00%	Dec 2021	293
MB-CU-0418	Copper scrap No2 heavy copper & wire, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	335	0.00%	Dec 2021	335
MB-CU-0304	Copper scrap No2 copper, buying price, delivered to refiners, US cents/lb	11 Jan 2022	395.5	2.06%	Dec 2021	380.45
MB-CU-0307	Copper scrap No2 copper, buying price, delivered to brass ingot makers, US cents/lb	11 Jan 2022	389 - 393	2.09%	Dec 2021	377.67 - 380.24
MB-CU-0293	Copper scrap No2 copper, discount, buying price, delivered to refiners, US cents/lb	05 Jan 2022	(50) - (45)		Dec 2021	(53.8) - (50.8)
MB-CU-0296	Copper scrap No2 copper, discount, buying price, delivered to brass ingot makers, US cents/lb	05 Jan 2022	(54) - (50)		Dec 2021	(55.2) - (52.4)
MB-CU-0026	Copper scrap No2 heavy copper & wire, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	455	2.02%	Dec 2021	446

US copper scrap solids, turnings, light, radiators & clips prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0421	Copper scrap yellow brass solids, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	218	0.00%	Dec 2021	211.5
MB-CU-0301	Copper scrap yellow brass solids, buying price, delivered to brass ingot makers, US cents/lb	05 Jan 2022	275 - 280	0.00%	Dec 2021	269 - 277
MB-CU-0416	Copper scrap mixed yellow brass turnings, borings, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	203	0.00%	Dec 2021	193.5
MB-CU-0414	Copper scrap auto radiators (unsweated), dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	190	0.00%	Dec 2021	180

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0300	Copper scrap radiators, buying price, delivered to brass ingot makers, US cents/lb	05 Jan 2022	255 - 258	0.00%	Dec 2021	254.4 - 257.4
MB-CU-0413	Copper scrap 70-30 brass clips, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	250	0.00%	Dec 2021	251.5
MB-CU-0415	Copper scrap light copper, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	300	0.00%	Dec 2021	300
MB-CU-0297	Copper scrap light copper, discount, buying price, delivered to brass ingot makers, US cents/lb	05 Jan 2022	(58) - (55)		Dec 2021	(60.4) - (56.8)
MB-CU-0308	Copper scrap light copper, buying price, delivered to brass ingot makers, US cents/lb	11 Jan 2022	385 - 388	2.11%	Dec 2021	372.24 - 375.95
MB-CU-0299	Copper scrap comp borings, turnings, buying price, delivered to brass ingot makers, US cents/lb	05 Jan 2022	320 - 323	0.00%	Dec 2021	317 - 321.2
MB-CU-0419	Copper scrap red brass solids, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	267	0.00%	Dec 2021	260
MB-CU-0420	Copper scrap red brass turnings, borings, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	235	0.00%	Dec 2021	230

Canadian copper scrap solids, turnings, light, radiators & clips prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0119	Copper scrap yellow brass solids, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	175	0.00%	Dec 2021	175
MB-CU-0120	Copper scrap yellow brass solids, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	322	0.63%	Dec 2021	320
MB-CU-0135	Copper scrap mixed yellow brass turnings, borings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	100	0.00%	Dec 2021	100
MB-CU-0136	Copper scrap mixed yellow brass turnings, borings, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	284	0.00%	Dec 2021	284
MB-CU-0196	Copper scrap auto radiators (unsweated), dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	150	0.00%	Dec 2021	150
MB-CU-0197	Copper scrap auto radiators (unsweated), dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	291	0.34%	Dec 2021	290
MB-CU-0181	Copper scrap 70-30 brass clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	180	0.00%	Dec 2021	180
MB-CU-0042	Copper scrap light copper, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	482	2.55%	Dec 2021	470
MB-CU-0041	Copper scrap light copper, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	265	0.00%	Dec 2021	265
MB-CU-0058	Copper scrap red brass solids, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	397	0.76%	Dec 2021	394
MB-CU-0073	Copper scrap red brass turnings, borings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	110	0.00%	Dec 2021	110
MB-CU-0074	Copper scrap red brass turnings, borings, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	392	1.29%	Dec 2021	387
MB-CU-0057	Copper scrap red brass solids, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	200	0.00%	Dec 2021	200

Chicago nickel scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NI-0202	Nickel alloy scrap Inconel 601 scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	480 - 525	-3.27%	Dec 2021	483 - 523.33
MB-NI-0198	Nickel alloy scrap 309 stainless steel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	128 - 132	0.00%	Dec 2021	126.67 - 131.67
MB-NI-0152	Nickel alloy scrap 330 stainless steel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	205 - 210	1.22%	Dec 2021	200 - 210
MB-NI-0197	Nickel alloy scrap Inconel 600 scrap, solids, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	575 - 630	-3.60%	Dec 2021	581.67 - 633.33
MB-NI-0154	Nickel alloy scrap Inconel 601 scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	330 - 365	2.21%	Dec 2021	320 - 360
MB-NI-0151	Nickel alloy scrap 310 stainless steel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	130 - 135	-0.38%	Dec 2021	131 - 135
MB-NI-0200	Nickel alloy scrap 330 stainless steel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	290 - 305	-2.30%	Dec 2021	292 - 305.67
MB-NI-0199	Nickel alloy scrap 310 stainless steel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	190 - 195	-1.28%	Dec 2021	188.33 - 196.67
MB-NI-0150	Nickel alloy scrap 309 stainless steel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	87 - 93	-0.55%	Dec 2021	90 - 91
MB-NI-0149	Nickel alloy scrap Inconel 600 scrap, solids, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	400 - 410	-2.41%	Dec 2021	390 - 440
MB-NI-0155	Nickel scrap 17-4PH stainless steel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	30 - 34	-5.88%	Dec 2021	29 - 39
MB-NI-0201	Nickel scrap Invar scrap solids, clips, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	280 - 305	-4.10%	Dec 2021	286.67 - 305.67
MB-NI-0153	Nickel scrap Invar scrap solids, clips, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	180 - 210	-4.88%	Dec 2021	200 - 210
MB-NI-0193	Nickel scrap nickel turnings, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	725 - 820	-5.21%	Dec 2021	745 - 818.33
MB-NI-0145	Nickel scrap nickel turnings, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	525 - 580	4.25%	Dec 2021	490 - 570
MB-NI-0192	Nickel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	765 - 855	-4.14%	Dec 2021	793.33 - 855
MB-NI-0144	Nickel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	560 - 600	1.75%	Dec 2021	545 - 595
MB-NI-0196	Nickel-copper scrap Monel K-500 (castings) solids, clips, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	400 - 536	-6.96%	Dec 2021	453.67 - 522.33
MB-NI-0148	Nickel-copper scrap Monel K-500 (castings) solids, clips, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	330 - 360	0.73%	Dec 2021	325 - 360
MB-NI-0194	Nickel-copper scrap Monel R-400 scrap solids, clips, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	500 - 576	0.00%	Dec 2021	508.33 - 561
MB-NI-0146	Nickel-copper scrap Monel R-400 scrap solids, clips, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	360 - 370	2.10%	Dec 2021	345 - 370
MB-NI-0195	Nickel-copper scrap Monel scrap turnings, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	350 - 466	5.15%	Dec 2021	336.67 - 446
MB-NI-0147	Nickel-copper scrap Monel scrap turnings, dealer buying price, delivered to yard Chicago, US cents/lb	05 Jan 2022	250 - 260	2.00%	Dec 2021	220 - 280
MB-NI-0203	Nickel scrap 17-4PH stainless steel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	29 Dec 2021	44 - 51	9.20%	Dec 2021	42 - 50.67

Detroit nickel scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NI-0212	Nickel alloy scrap 330 stainless steel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	290 - 305	-2.94%	Dec 2021	293.67 - 305.67
MB-NI-0162	Nickel alloy scrap 309 stainless steel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	80 - 95	-3.31%	Dec 2021	90 - 91
MB-NI-0167	Nickel scrap 17-4PH stainless steel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	30 - 36	10.00%	Dec 2021	29 - 31
MB-NI-0214	Nickel alloy scrap Inconel 601 scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	480 - 525	-5.10%	Dec 2021	491.33 - 523.33
MB-NI-0211	Nickel alloy scrap 310 stainless steel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	190 - 195	-3.51%	Dec 2021	193 - 196.67
MB-NI-0164	Nickel alloy scrap 330 stainless steel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	180 - 215	-3.66%	Dec 2021	200 - 210
MB-NI-0161	Nickel alloy scrap Inconel 600 scrap, solids, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	368 - 450	-1.45%	Dec 2021	390 - 440
MB-NI-0210	Nickel alloy scrap 309 stainless steel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	127 - 132	-2.26%	Dec 2021	129.33 - 131.67
MB-NI-0209	Nickel alloy scrap Inconel 600 scrap, solids, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	575 - 630	-5.79%	Dec 2021	591.33 - 633.33
MB-NI-0166	Nickel alloy scrap Inconel 601 scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	290 - 365	-4.38%	Dec 2021	325 - 360
MB-NI-0163	Nickel alloy scrap 310 stainless steel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	115 - 140	-4.85%	Dec 2021	133 - 135
MB-NI-0213	Nickel scrap Invar scrap solids, clips, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	280 - 305	-5.49%	Dec 2021	291.33 - 305
MB-NI-0165	Nickel scrap Invar scrap solids, clips, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	173 - 215	-5.37%	Dec 2021	200 - 210
MB-NI-0205	Nickel scrap nickel turnings, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	725 - 820	-5.74%	Dec 2021	761.33 - 818.33
MB-NI-0157	Nickel scrap nickel turnings, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	420 - 580	-7.83%	Dec 2021	515 - 570
MB-NI-0204	Nickel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	765 - 840	-3.83%	Dec 2021	793 - 836.67
MB-NI-0156	Nickel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	438 - 600	-7.73%	Dec 2021	545 - 580
MB-NI-0208	Nickel-copper scrap Monel K-500 (castings) solids, clips, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	400 - 530	-8.73%	Dec 2021	458 - 520
MB-NI-0160	Nickel-copper scrap Monel K-500 (castings) solids, clips, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	265 - 360	-8.76%	Dec 2021	325 - 360
MB-NI-0206	Nickel-copper scrap Monel R-400 scrap solids, clips, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	500 - 540	-1.79%	Dec 2021	508 - 533.33
MB-NI-0158	Nickel-copper scrap Monel R-400 scrap solids, clips, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	300 - 370	-6.29%	Dec 2021	345 - 370
MB-NI-0207	Nickel-copper scrap Monel scrap turnings, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	349 - 350	2.95%	Dec 2021	336 - 351.67
MB-NI-0159	Nickel-copper scrap Monel scrap turnings, dealer buying price, delivered to yard Detroit, US cents/lb	05 Jan 2022	246 - 280	10.74%	Dec 2021	220 - 255
MB-NI-0215	Nickel scrap 17-4PH stainless steel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	29 Dec 2021	44 - 48	3.37%	Dec 2021	43 - 46

Houston nickel scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NI-0222	Nickel alloy scrap 309 stainless steel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	117 - 118	-0.42%	Dec 2021	112.67 - 123.33
MB-NI-0178	Nickel alloy scrap Inconel 601 scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	365 - 400	-1.80%	Dec 2021	389 - 390
MB-NI-0175	Nickel alloy scrap 310 stainless steel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	135 - 152	12.55%	Dec 2021	100 - 155
MB-NI-0227	Nickel scrap 17-4PH stainless steel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	49 - 50	-7.48%	Dec 2021	49.33 - 54.67
MB-NI-0174	Nickel alloy scrap 309 stainless steel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	85 - 100	15.63%	Dec 2021	75 - 85
MB-NI-0224	Nickel alloy scrap 330 stainless steel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	304 - 305	4.64%	Dec 2021	291.67 - 298.33
MB-NI-0221	Nickel alloy scrap Inconel 600 scrap, solids, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	634 - 635	8.55%	Dec 2021	612.33 - 613.33
MB-NI-0179	Nickel scrap 17-4PH stainless steel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	25 - 35	1.69%	Dec 2021	29 - 30
MB-NI-0226	Nickel alloy scrap Inconel 601 scrap solids, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	524 - 525	8.70%	Dec 2021	488 - 503.33
MB-NI-0223	Nickel alloy scrap 310 stainless steel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	183 - 184	1.94%	Dec 2021	176 - 186.33
MB-NI-0176	Nickel alloy scrap 330 stainless steel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	210 - 236	11.50%	Dec 2021	150 - 250
MB-NI-0173	Nickel alloy scrap Inconel 600 scrap, solids, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	450 - 500	11.76%	Dec 2021	400 - 450
MB-NI-0225	Nickel scrap Invar scrap solids, clips, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	294 - 295	1.90%	Dec 2021	287.33 - 297.33
MB-NI-0177	Nickel scrap Invar scrap solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	210 - 248	-0.43%	Dec 2021	220 - 240
MB-NI-0217	Nickel scrap nickel turnings, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	724 - 725	2.77%	Dec 2021	676.33 - 741.67
MB-NI-0169	Nickel scrap nickel turnings, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	500 - 540	12.43%	Dec 2021	425 - 500
MB-NI-0216	Nickel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	829 - 830	5.33%	Dec 2021	784.67 - 816.67
MB-NI-0168	Nickel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	585 - 675	26.00%	Dec 2021	400 - 600
MB-NI-0220	Nickel-copper scrap Monel K-500 (castings) solids, clips, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	574 - 575	6.88%	Dec 2021	528 - 573.33
MB-NI-0172	Nickel-copper scrap Monel K-500 (castings) solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	400 - 412	16.17%	Dec 2021	349 - 350
MB-NI-0218	Nickel-copper scrap Monel R-400 scrap solids, clips, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	584 - 585	2.10%	Dec 2021	566.33 - 586.67
MB-NI-0170	Nickel-copper scrap Monel R-400 scrap solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	410 - 448	14.55%	Dec 2021	374 - 375
MB-NI-0219	Nickel-copper scrap Monel scrap turnings, broker buying price, delivered to yard Houston, US cents/lb	29 Dec 2021	374 - 375	-3.35%	Dec 2021	353 - 416.67
MB-NI-0171	Nickel-copper scrap Monel scrap turnings, dealer buying price, delivered to yard Houston, US cents/lb	05 Jan 2022	260 - 356	7.13%	Dec 2021	250 - 325

Pittsburgh nickel scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NI-0238	Nickel alloy scrap Inconel 601 scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	475 - 525	2.04%	Dec 2021	458.33 - 538.33
MB-NI-0235	Nickel alloy scrap 310 stainless steel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	175 - 195	-1.33%	Dec 2021	175 - 196.67
MB-NI-0188	Nickel alloy scrap 330 stainless steel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	200 - 210	6.49%	Dec 2021	175 - 210
MB-NI-0185	Nickel alloy scrap Inconel 600 scrap, solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	370 - 475	0.00%	Dec 2021	370 - 475
MB-NI-0191	Nickel scrap 17-4PH stainless steel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	22 - 40	10.71%	Dec 2021	21 - 35
MB-NI-0187	Nickel alloy scrap 310 stainless steel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	125 - 135	23.81%	Dec 2021	75 - 135
MB-NI-0234	Nickel alloy scrap 309 stainless steel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	127 - 138	-1.12%	Dec 2021	125.67 - 135.33
MB-NI-0239	Nickel scrap 17-4PH stainless steel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	40 - 55	0.00%	Dec 2021	40.67 - 54
MB-NI-0236	Nickel alloy scrap 330 stainless steel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	280 - 305	-0.34%	Dec 2021	278.33 - 305.67
MB-NI-0233	Nickel alloy scrap Inconel 600 scrap, solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	575 - 630	-0.82%	Dec 2021	570 - 639.33
MB-NI-0190	Nickel alloy scrap Inconel 601 scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	330 - 400	2.10%	Dec 2021	325 - 390
MB-NI-0186	Nickel alloy scrap 309 stainless steel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	86 - 100	19.23%	Dec 2021	65 - 91
MB-NI-0237	Nickel scrap Invar scrap solids, clips, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	280 - 310	0.00%	Dec 2021	278.33 - 310
MB-NI-0189	Nickel scrap Invar scrap solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	171 - 210	-1.04%	Dec 2021	175 - 210
MB-NI-0229	Nickel scrap nickel turnings, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	725 - 825	-2.82%	Dec 2021	740.33 - 820
MB-NI-0181	Nickel scrap nickel turnings, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	525 - 625	5.50%	Dec 2021	515 - 575
MB-NI-0228	Nickel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	765 - 850	-2.71%	Dec 2021	788.33 - 840
MB-NI-0180	Nickel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	560 - 650	3.42%	Dec 2021	545 - 625
MB-NI-0232	Nickel-copper scrap Monel K-500 (castings) solids, clips, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	420 - 530	1.60%	Dec 2021	435 - 520
MB-NI-0184	Nickel-copper scrap Monel K-500 (castings) solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	280 - 360	-0.78%	Dec 2021	270 - 375
MB-NI-0230	Nickel-copper scrap Monel R-400 scrap solids, clips, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	440 - 565	-0.99%	Dec 2021	446.67 - 553.33
MB-NI-0182	Nickel-copper scrap Monel R-400 scrap solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	340 - 390	2.10%	Dec 2021	315 - 400
MB-NI-0231	Nickel-copper scrap Monel scrap turnings, broker buying price, delivered to yard Pittsburgh, US cents/lb	29 Dec 2021	320 - 425	21.14%	Dec 2021	298.33 - 376.67
MB-NI-0183	Nickel-copper scrap Monel scrap turnings, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Jan 2022	220 - 301	4.20%	Dec 2021	220 - 280

Lead scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0004	Lead scrap buying price, delivered smelters US, \$/cwt	11 Jan 2022	81 - 85	0.61%	Dec 2021	80 - 85
MB-PB-0003	Lead scrap remelt buying price, delivered smelters US, \$/cwt	11 Jan 2022	87 - 90	0.00%	Dec 2021	87 - 90
MB-PB-0002	Lead scrap cable buying price, delivered smelters US, \$/cwt	11 Jan 2022	86 - 90	0.00%	Dec 2021	86 - 90
MB-PB-0111	Lead scrap heavy soft lead, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	38	0.00%	Dec 2021	38
MB-PB-0112	Lead scrap undrained whole batteries, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	15	0.00%	Dec 2021	15.5
MB-PB-0005	Lead scrap whole batteries buying price, delivered smelters US, \$/cwt	11 Jan 2022	26 - 30	3.70%	Dec 2021	26 - 28
MB-PB-0009	Lead scrap heavy soft lead, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	50	0.00%	Dec 2021	50
MB-PB-0010	Lead scrap heavy soft lead, dealer buying price, delivered to yard Toronto, Canadian cents/lb	03 Jan 2022	68	6.25%	Dec 2021	64
MB-PB-0033	Lead scrap undrained whole batteries, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	15	0.00%	Dec 2021	16.5

Zinc scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0122	Zinc scrap old zinc scrap, dealer buying price, delivered to yard US, US cents/lb	03 Jan 2022	35	0.00%	Dec 2021	27.5
MB-ZN-0004	Zinc scrap old zinc (clean), buying price, delivered smelters US, US cents/lb	11 Jan 2022	69 - 72	4.44%	Dec 2021	66 - 69
MB-ZN-0003	Zinc scrap new zinc clippings buying price, delivered smelters US, US cents/lb	11 Jan 2022	88 - 91	3.47%	Dec 2021	85 - 88
MB-ZN-0002	Zinc scrap galvanizers dross buying price, delivered smelters US, US cents/lb	11 Jan 2022	87 - 92	4.07%	Dec 2021	84 - 88
MB-ZN-0050	Zinc scrap old zinc, dealer buying price, delivered to yard Montreal, Canadian cents/lb	03 Jan 2022	30	0.00%	Dec 2021	30

Titanium scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-TI-0002	Titanium scrap turnings, unprocessed type 90/6/4, 0.5-2% Sn max, cif Europe, \$/lb	05 Jan 2022	1.8 - 1.9	0.00%	Dec 2021	1.8 - 1.9
MB-TI-0001	Titanium scrap turnings, unprocessed type 90/6/4, 0.5% Sn max, cif Europe, \$/lb	05 Jan 2022	1.8 - 2	0.00%	Dec 2021	1.8 - 2

Minor metals prices

Source: dashboard.fastmarkets.com/m/1fa335bf-a37e-4af1-90ad-ddc3eb8d0576

Global cobalt metal & intermediate prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CO-0005	Cobalt standard grade, in-whs Rotterdam, \$/lb	11 Jan 2022	34 - 34.4	0.21%	Dec 2021	32.78 - 33.56
MB-CO-0004	Cobalt alloy grade, in-whs Rotterdam, \$/lb	11 Jan 2022	34 - 34.4	0.21%	Dec 2021	32.78 - 33.56
MB-CO-0001	Cobalt 99.8% Co min, ex-works China, yuan/tonne	07 Jan 2022	496000 - 506000	-0.40%	Dec 2021	474500 - 484800
MB-CO-0017	Cobalt sulfate 20.5% Co basis, exw China, yuan/tonne	07 Jan 2022	102000 - 103000	0.00%	Dec 2021	97000 - 98800
MB-CO-0012	Cobalt tetroxide 72.6% Co min, delivered China, yuan/tonne	07 Jan 2022	390000 - 400000	0.00%	Dec 2021	367600 - 373000
MB-CO-0020	Cobalt hydroxide index 30% Co min, cif China, \$/lb	07 Jan 2022	29.3	4.46%	Dec 2021	27.47
MB-CO-0021	Cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end)	07 Jan 2022	88 - 90	0.00%	Dec 2021	88.2 - 90
MB-CO-0023	Cobalt hydroxide, min 30% Co, inferred, China, \$/lb	11 Jan 2022	30.26	0.13%	Dec 2021	

Europe minor metals prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CO-0004	Cobalt alloy grade, in-whs Rotterdam, \$/lb	11 Jan 2022	34 - 34.4	0.21%	Dec 2021	32.78 - 33.56
MB-CO-0005	Cobalt standard grade, in-whs Rotterdam, \$/lb	11 Jan 2022	34 - 34.4	0.21%	Dec 2021	32.78 - 33.56
MB-AS-0001	Arsenic 99% min As, in-whs Rotterdam, \$/lb	31 Dec 2021	1.4 - 1.7	0.00%	Dec 2021	1.4 - 1.7
MB-SB-0002	Antimony MMTA standard grade II, in-whs Rotterdam, \$/tonne	07 Jan 2022	13200 - 13600	0.75%	Dec 2021	12870 - 13560
MB-SB-0001	Antimony max 100 ppm Bi, in-whs Rotterdam, \$/tonne	07 Jan 2022	13300 - 13600	1.13%	Dec 2021	12900 - 13600
MB-BI-0001	Bismuth 99.99% Bi min, in-whs Rotterdam, \$/lb	07 Jan 2022	3.95 - 4.2	0.00%	Dec 2021	3.95 - 4.2
MB-CR-0001	Chromium alumino-thermic 99% min, in-whs Rotterdam, \$/tonne	07 Jan 2022	11900 - 13150	0.00%	Dec 2021	11760 - 12910
MB-GA-0001	Gallium 99.99% Ga min, in-whs Rotterdam, \$/kg	07 Jan 2022	390 - 415	0.00%	Dec 2021	390 - 412
MB-GER-0003	Germanium 99.99% Ge, in-whs Rotterdam, \$/kg	07 Jan 2022	1400 - 1480	0.00%	Dec 2021	1393 - 1465
MB-IN-0002	Indium 99.99%, in-whs Rotterdam, \$/kg	07 Jan 2022	255 - 280	-2.73%	Dec 2021	257 - 290.5
MB-MG-0001	Magnesium 99.9%, in-whs Rotterdam, \$/tonne	07 Jan 2022	8550 - 9050	4.76%	Dec 2021	8060 - 8620
MB-MN-0001	Manganese 99.7% electrolytic manganese flake, in-whs Rotterdam, \$/tonne	07 Jan 2022	7200 - 7500	-2.00%	Dec 2021	7290 - 7590
MB-RE-0001	Rhenium APR catalytic grade, in-whs dup Rotterdam, \$/kg	31 Dec 2021	890 - 1100	0.00%	Dec 2021	890 - 1100
MB-RE-0002	Rhenium metal pellets 99.9% Re min, in-whs dup, Rotterdam \$/lb	31 Dec 2021	360 - 700	0.00%	Dec 2021	360 - 700
MB-SE-0002	Selenium 99.5% Se min, in-whs Rotterdam, \$/lb	07 Jan 2022	9.7 - 11	0.00%	Dec 2021	9.7 - 10.94
MB-SI-0004	Silicon grade 5-5-3 98.5% Si min, in-whs Rotterdam, €/tonne	07 Jan 2022	4700 - 5700	-5.45%	Dec 2021	5300 - 6000
MB-SI-0001	Silicon grade 4-4-1 99% Si min, in-whs Rotterdam, €/tonne	07 Jan 2022	5500 - 6500	0.00%	Dec 2021	5500 - 6500
MB-TE-0001	Tellurium 99.9-99.99% Te min, in-whs Rotterdam, \$/kg	07 Jan 2022	60 - 75	0.00%	Dec 2021	60.6 - 73.5

China minor metals prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CO-0001	Cobalt 99.8% Co min, ex-works China, yuan/tonne	07 Jan 2022	496000 - 506000	-0.40%	Dec 2021	474500 - 484800
MB-CO-0021	Cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end)	07 Jan 2022	88 - 90	0.00%	Dec 2021	88.2 - 90
MB-CO-0020	Cobalt hydroxide index 30% Co min, cif China, \$/lb	07 Jan 2022	29.3	4.46%	Dec 2021	27.47
MB-CO-0023	Cobalt hydroxide, min 30% Co, inferred, China, \$/lb	11 Jan 2022	30.26	0.13%	Dec 2021	
MB-CO-0017	Cobalt sulfate 20.5% Co basis, exw China, yuan/tonne	07 Jan 2022	102000 - 103000	0.00%	Dec 2021	97000 - 98800
MB-CO-0012	Cobalt tetroxide 72.6% Co min, delivered China, yuan/tonne	07 Jan 2022	390000 - 400000	0.00%	Dec 2021	367600 - 373000
MB-SB-0003	Antimony MMTA standard grade II, ddp China, yuan/tonne	07 Jan 2022	73000 - 74000	0.00%	Dec 2021	73000 - 74000
MB-BI-0002	Bismuth 99.99% Bi min, in-whs China, yuan/tonne	07 Jan 2022	44000 - 45000	-0.56%	Dec 2021	44800 - 45300
MB-GA-0002	Gallium 99.99% Ga min, in-whs China, yuan/kg	07 Jan 2022	2300 - 2350	-3.13%	Dec 2021	2372 - 2450
MB-GER-0004	Germanium 99.999% Ge min, in-whs China, yuan/kg	07 Jan 2022	9200 - 9450	0.00%	Dec 2021	9180 - 9450
MB-GER-0001	Germanium dioxide, in-whs China, \$/kg	07 Jan 2022	920 - 955	0.00%	Dec 2021	912 - 955
MB-IN-0003	Indium 99.99%, exw China, yuan/kg	07 Jan 2022	1460 - 1490	0.00%	Dec 2021	1508 - 1542
MB-MG-0002	Magnesium 99.9% Mg min, fob China main ports, \$/tonne	07 Jan 2022	8300 - 8500	3.07%	Dec 2021	7180 - 7400
MB-MG-0003	Magnesium 99.9%, exw China, yuan/tonne	07 Jan 2022	50000 - 53000	4.04%	Dec 2021	43000 - 44400
MB-MN-0007	Manganese 99.7% electrolytic manganese flake, fob China, \$/tonne	07 Jan 2022	6500 - 6700	2.33%	Dec 2021	6260 - 6500
MB-SI-0002	Silicon export 98.5% Si min, fob China, \$/tonne	07 Jan 2022	3050 - 3200	-3.10%	Dec 2021	3180 - 3360
MB-SE-0003	Selenium 99.9% Se min, in-whs China, yuan/kg	07 Jan 2022	130 - 170	-3.23%	Dec 2021	130 - 183
MB-TE-0002	Tellurium 99.99% Te min, in-whs China, yuan/kg	07 Jan 2022	450 - 460	0.00%	Dec 2021	458 - 465
MB-TA-0001	Tantalite, basis 25% min Ta2O5, cif China, \$ per lb Ta2O5	07 Jan 2022	81 - 83	1.86%	Dec 2021	76.4 - 81.6

US minor metals prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CR-0002	Chromium alumino-thermic 99% min ex-US warehouse \$/lb	06 Jan 2022	4.85 - 5	0.00%	Dec 2021	4.85 - 5
MB-SI-0003	Silicon, ddp US, US cents/lb	06 Jan 2022	475 - 500	0.00%	Dec 2021	468 - 496
MB-TI-0007	Titanium plate commercially pure, fob shipping point US, \$/lb	10 Jan 2022	11 - 13	0.00%	Dec 2021	11 - 13
MB-TI-0006	Titanium bar alloy AMS 4928, fob shipping point US, \$/lb	10 Jan 2022	24 - 25	0.00%	Dec 2021	24 - 25
MB-TI-0004	Titanium ingot 6Al-4V, fob shipping point US, \$/lb	10 Jan 2022	8 - 8.5	0.00%	Dec 2021	8 - 8.5
MB-TI-0008	Titanium sheet commercially pure, fob shipping point US, \$/lb	10 Jan 2022	13 - 15	0.00%	Dec 2021	13 - 15
MB-TI-0005	Titanium plate alloy AMS 4911, fob shipping point US, \$/lb	10 Jan 2022	27 - 28	0.00%	Dec 2021	27 - 28

Global location minor metals prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CD-0001	Cadmium 99.95% min, cif global ports, cents/lb	07 Jan 2022	125 - 140	0.00%	Dec 2021	125 - 138.8
MB-CD-0002	Cadmium 99.99% min, cif global ports, cents/lb	07 Jan 2022	130 - 140	0.00%	Dec 2021	130 - 140
MB-HF-0001	Hafnium, max 1% Zr, in-whs global locations, \$/kg	31 Dec 2021	900 - 1100	0.00%	Dec 2021	900 - 1083.33

Base metals prices

Source: dashboard.fastmarkets.com/m/d7d11f17-248b-4073-82c4-f750b2994d8e

Aluminium prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0343	Aluminium P1020A (MJP) spot premium, cif Japan, \$/tonne	11 Jan 2022	160 - 180	0.00%	Dec 2021	161.67 - 180
MB-AL-0001	Aluminium P1020A (MJP) quarterly premium, cif Japan, \$/tonne	07 Jan 2022	177	-18.62%	Dec 2021	215 - 220
MB-AL-0344	Aluminium P1020A premium, cif South Korea, \$/tonne	11 Jan 2022	170 - 180	6.06%	Dec 2021	160 - 170
MB-AL-0307	Aluminium P1020A premium, fca South Korea, \$/tonne	11 Jan 2022	175 - 185	0.00%	Dec 2021	175 - 185
MB-AL-0329	Aluminium P1020A premium, cif Taiwan, \$/tonne	11 Jan 2022	160 - 200	0.00%	Dec 2021	167.5 - 200
MB-AL-0328	Aluminium P1020A premium, bonded in-whs, Shanghai, \$/tonne	29 Dec 2021	50 - 80	-13.33%	Dec 2021	50 - 80
MB-AL-0345	Aluminium P1020A premium, cif Shanghai, \$/tonne	29 Dec 2021	50 - 70	-7.69%	Dec 2021	50 - 70
MB-AL-0346	Aluminium P1020A premium, in-whs dup Rotterdam, \$/tonne	11 Jan 2022	320 - 340	6.45%	Dec 2021	250.24 - 266.43
MB-AL-0004	Aluminium P1020A premium, in-whs dp Rotterdam, \$/tonne	11 Jan 2022	430 - 455	2.31%	Dec 2021	321.11 - 345
MB-AL-0316	Aluminium P1020A premium, fca dp Italy, \$/tonne	11 Jan 2022	490 - 510	14.94%	Dec 2021	377.5 - 396.25
MB-AL-0319	Aluminium P1020A premium, fca dp Spain, \$/tonne	11 Jan 2022	490 - 500	20.73%	Dec 2021	382.5 - 397.5
MB-AL-0021	Aluminium P1020A premium, delivered Sao Paulo region, \$/tonne	11 Jan 2022	400 - 450	13.33%	Dec 2021	375 - 425
MB-AL-0022	Aluminium P1020A premium, cif dup Brazilian main ports, \$/tonne	11 Jan 2022	380 - 410	1.28%	Dec 2021	380 - 400
MB-AL-0020	Aluminium P1020A premium, ddp Midwest US, US cents/lb	11 Jan 2022	30.5 - 32.25	0.00%	Dec 2021	27.22 - 29.78
MB-AL-0231	Aluminum P1020A all-in price, delivered Midwest US, US cents/lb	11 Jan 2022	164.88 - 166.63	1.18%	Dec 2021	149.23 - 151.99
MB-AL-0337	Aluminium P1020A premium, cif dup Turkey, \$/tonne	11 Jan 2022	340 - 350	4.55%	Dec 2021	295 - 310
MB-AL-0381	Aluminium low-carbon differential P1020A, Europe, \$/tonne	07 Jan 2022	0 - 10	0.00%	Dec 2021	0 - 10
MB-AL-0378	Aluminium P1020A premium, in-whs dp Rotterdam, inferred low-carbon midpoint, \$/tonne	11 Jan 2022	447.5	2.29%	Dec 2021	338.06
MB-AL-0377	Aluminium P1020A premium, in-whs dup Rotterdam, inferred low-carbon midpoint, \$/tonne	11 Jan 2022	335	6.35%	Dec 2021	263.33
MB-AL-0333	Aluminium P1020A warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	40 - 70	10.00%	Dec 2021	40 - 62
MB-AL-0334	Aluminium P1020A, warrant premium, in-whs East Asia, \$/tonne	05 Jan 2022	40 - 65	0.00%	Dec 2021	40 - 66
MB-AL-0338	Aluminium P1020A warrant premium, in-whs US, \$/tonne	05 Jan 2022	115 - 125	0.00%	Dec 2021	115 - 125
MB-AL-0297	Aluminium 6063 extrusion billet premium, cif Thailand, \$/tonne	17 Dec 2021	465 - 485	0.00%	Dec 2021	465 - 485
MB-AL-0298	Aluminium 6063 extrusion quarterly billet premium, cif MJP, \$/tonne	15 Oct 2021	180 - 200	16.92%	Dec 2021	180 - 200
MB-AL-0302	Aluminium 6063 extrusion billet premium, ddp North Germany (Ruhr region), \$/tonne	07 Jan 2022	1490 - 1550	1.67%	Dec 2021	1470 - 1520
MB-AL-0300	Aluminium 6063 extrusion billet premium, ddp Italy (Brescia region), \$/tonne	07 Jan 2022	1490 - 1550	1.00%	Dec 2021	1470 - 1540
MB-AL-0299	Aluminium 6063 extrusion billet premium, ddp Spain, \$/tonne	31 Dec 2021	1430 - 1500	0.00%	Dec 2021	1430 - 1500
MB-AL-0002	Aluminium 6063 extrusion billet premium, in-whs dp Rotterdam, \$/tonne	07 Jan 2022	1450 - 1510	1.72%	Dec 2021	1430 - 1480
MB-AL-0296	Aluminium 6063 extrusion billet premium, cif Turkey (Marmara region), \$/tonne	31 Dec 2021	700 - 750	0.00%	Dec 2021	700 - 750
MB-AL-0052	Aluminum 6063 extrusion billet premium, delivered Midwest US, US cents/lb	31 Dec 2021	24 - 28	0.00%	Dec 2021	24 - 28



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0287	Aluminium 6063 & 6060 extrusion billet premium, cif Brazilian main ports, \$/tonne	31 Dec 2021	680 - 720	0.00%	Dec 2021	680 - 720
MB-AL-0382	Aluminium low-carbon differential value-added product, Europe, \$/tonne	07 Jan 2022	20 - 30	0.00%	Dec 2021	20 - 30
MB-AL-0379	Aluminium 6063 extrusion billet premium, ddp Italy (Brescia region), inferred low-carbon midpoint, \$/tonne	07 Jan 2022	1545	0.98%	Dec 2021	1530
MB-AL-0380	Aluminium 6063 extrusion billet premium, ddp North Germany (Ruhr region), inferred low-carbon midpoint, \$/tonne	07 Jan 2022	1545	1.64%	Dec 2021	1520
MB-AL-0341	Aluminium primary foundry alloy silicon 7 ingot premium, cif dup over P1020A Turkey, \$/tonne	10 Dec 2021	500 - 600	23.60%	Dec 2021	500 - 600
MB-AL-0349	Aluminium primary foundry alloy silicon 7 ingot annual premium, cif MJP, \$/tonne	15 Jan 2021	100 - 120	-15.38%	Dec 2021	100 - 120
MB-AL-0348	Aluminium primary foundry alloy silicon 7 ingot annual premium, cif main South Korean ports, \$/tonne	15 Jan 2021	90 - 120	0.00%	Dec 2021	90 - 120
MB-AL-0342	Aluminium primary foundry alloy silicon 7 ingot /T-bar premium, dlvd dup over P1020A Midwest US, US cents/lb	10 Dec 2021	11 - 13	0.00%	Dec 2021	11 - 13
MB-AL-0340	Aluminium primary foundry alloy silicon 7 ingot premium, ddp Eastern Europe, \$/tonne	10 Dec 2021	750 - 850	-5.88%	Dec 2021	750 - 850
MB-AL-0339	Aluminium primary foundry alloy silicon 7 ingot premium, ddp Germany, \$/tonne	10 Dec 2021	750 - 850	-5.88%	Dec 2021	750 - 850
MB-AL-0045	Aluminum 6061 alloyed ingot, US cents/lb	03 Jan 2022	1.67 - 1.73	3.03%	Dec 2021	1.61 - 1.69
MB-AL-0046	Aluminum 6063 alloyed ingot, US cents/lb	03 Jan 2022	1.75 - 1.81	2.89%	Dec 2021	1.69 - 1.77
MB-AL-0277	Aluminum alloy C355.2 ingot, delivered, \$/lb	11 Jan 2022	2.1	5.00%	Dec 2021	1.86
MB-AL-0289	Aluminium import arbitrage, \$/tonne	11 Jan 2022	(62.48)		Dec 2021	(116.34)
MB-AL-0290	Aluminium import arbitrage, yuan/tonne	11 Jan 2022	(399)		Dec 2021	(742.36)
MB-AL-0256	Aluminium fixing price for LME trade, rand/tonne	11 Jan 2022	46253.94	1.46%	Dec 2021	42891.1

Metallurgical bauxite & alumina prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ALU-0010	Alumina index inferred, fob Brazil, \$/dmt	11 Jan 2022	358.7	0.34%	Dec 2021	372.3
MB-ALU-0003	Alumina index adjustment to fob Australia index, Brazil, \$/dmt	30 Dec 2021	12.81	9.77%	Dec 2021	14.54
MB-ALU-0002	Alumina index, fob Australia, \$/tonne	11 Jan 2022	345.89	0.35%	Dec 2021	356.24
MB-ALU-0001	Alumina metallurgical grade, exw China, yuan/tonne	06 Jan 2022	2650 - 2850	-0.90%	Dec 2021	2810 - 2980
MB-BX-0015	Bauxite, fob Trombetas, Brazil, \$/dmt	16 Dec 2021	32	0.00%	Dec 2021	32
MB-BX-0014	Bauxite, fob Kamsar, Guinea, \$/dmt	16 Dec 2021	27	0.00%	Dec 2021	27

Copper prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0412	Copper EQ cathode premium, cif Shanghai, \$/tonne	11 Jan 2022	(15) - 0		Dec 2021	5 - 20
MB-CU-0411	Copper EQ cathode premium, cif Europe, \$/tonne	11 Jan 2022	20 - 30	0.00%	Dec 2021	20 - 30
MB-CU-0369	Copper grade A cathode premium, cif Rotterdam, \$/tonne	11 Jan 2022	50 - 60	10.00%	Dec 2021	45 - 55
MB-CU-0372	Copper grade A cathode premium, delivered Germany, \$/tonne	11 Jan 2022	110 - 130	41.18%	Dec 2021	80 - 90
MB-CU-0406	Copper grade A cathode premium, cif Leghorn, \$/tonne	11 Jan 2022	85 - 95	9.09%	Dec 2021	75 - 90

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0380	Copper grade A cathode ER premium, cif Shanghai, \$/tonne	11 Jan 2022	72 - 78	-4.46%	Dec 2021	84.14 - 94.62
MB-CU-0383	Copper grade A cathode ER premium, bonded in-whs Shanghai, \$/tonne	11 Jan 2022	75 - 80	-3.73%	Dec 2021	94.52 - 104.9
MB-CU-0403	Copper grade A cathode premium, cif Shanghai, \$/tonne	11 Jan 2022	62 - 78	-4.76%	Dec 2021	75.24 - 94.62
MB-CU-0405	Copper grade A cathode premium, in-whs Shanghai, \$/tonne	11 Jan 2022	65 - 80	-3.97%	Dec 2021	84.52 - 104.9
MB-CU-0384	Copper grade A cathode SX-EW premium, cif Shanghai, \$/tonne	11 Jan 2022	62 - 70	-3.65%	Dec 2021	75.24 - 81.81
MB-CU-0382	Copper grade A cathode SX-EW premium, bonded in-whs Shanghai, \$/tonne	11 Jan 2022	65 - 72	-4.86%	Dec 2021	84.52 - 93.67
MB-CU-0399	Copper grade A cathode premium, cif Southeast Asia, \$/tonne	11 Jan 2022	80 - 90	0.00%	Dec 2021	80 - 90
MB-CU-0386	Copper grade A cathode premium, cif Taiwan, \$/tonne	11 Jan 2022	75 - 90	0.00%	Dec 2021	75 - 90
MB-CU-0404	Copper grade A cathode premium, cif South Korea, \$/tonne	11 Jan 2022	75 - 85	0.00%	Dec 2021	75 - 85
MB-CU-0310	Copper grade 1 cathode premium, ddp Midwest US, \$/tonne	11 Jan 2022	176.37 - 220.46	0.00%	Dec 2021	
MB-CU-0002	Copper grade 1 cathode premium, ddp Midwest US, US cents/lb	11 Jan 2022	8 - 10	0.00%	Dec 2021	8 - 10
MB-CU-0309	Copper grade 1 cathode all-in price, ddp Midwest US, US cents/lb	11 Jan 2022	450.05 - 452.05	1.71%	Dec 2021	440.72 - 442.72
MB-CU-0400	Copper grade A cathode warrant premium, in-whs North Europe, \$/tonne	05 Jan 2022	5 - 10	0.00%	Dec 2021	5 - 10
MB-CU-0401	Copper grade A cathode warrant premium, in-whs South Europe, \$/tonne	05 Jan 2022	15 - 25	0.00%	Dec 2021	15 - 25
MB-CU-0397	Copper grade A cathode warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	15 - 35	25.00%	Dec 2021	13 - 24
MB-CU-0398	Copper grade A cathode warrant premium, in-whs East Asia \$/tonne	05 Jan 2022	10 - 20	0.00%	Dec 2021	13 - 23
MB-CU-0377	Copper grade A cathode warrant premium, in-whs US, \$/tonne	05 Jan 2022	10 - 25	0.00%	Dec 2021	10 - 25
MB-CU-0336	Copper Aurubis grade A cathode annual premium, exw Europe, \$/tonne	16 Jan 2019	96	11.63%	Dec 2021	
MB-CU-0410	Copper rod premium, ddp Midwest US, US cents/lb	06 Jan 2022	21 - 23	0.00%	Dec 2021	21 - 23
MB-CU-0361	Copper import arbitrage, \$/tonne	11 Jan 2022	(27.09)		Dec 2021	14.61
MB-CU-0362	Copper import arbitrage, yuan/tonne	11 Jan 2022	(173.03)		Dec 2021	93.24
MB-CU-0338	Copper fixing price for LME trade, rand/tonne	11 Jan 2022	151493.4	0.50%	Dec 2021	151838.38
MB-CU-0321	Copper Republican copper price for Palabora 7.90mm South Africa Rand per tonne	30 Nov 2021	151699.21	4.46%	Dec 2021	

Copper concentrate & copper blister prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0287	Copper concentrates TC index, cif Asia Pacific, \$/tonne	07 Jan 2022	58.7	1.73%	Dec 2021	56.44
MB-CU-0288	Copper concentrates RC index, cif Asia Pacific, US cents/lb	07 Jan 2022	5.87	1.73%	Dec 2021	5.64
MB-CU-0422	Copper concentrates counterparty spread, \$/tonne	04 Jan 2022	9.58	-8.33%	Dec 2021	10.45
MB-CU-0423	Copper Concentrates Co-VIU, \$/tonne	04 Jan 2022	(0.45)		Dec 2021	0.28
MB-CU-0508	Copper concentrates TC implied smelters purchase, cif Asia Pacific, \$/tonne	07 Jan 2022	63.49	0.89%	Dec 2021	61.67
MB-CU-0510	Copper concentrates RC implied smelters purchase, cif Asia Pacific, cents/lb	07 Jan 2022	6.35	0.95%	Dec 2021	6.17
MB-CU-0509	Copper concentrates TC implied traders purchase, cif Asia Pacific, \$/tonne	07 Jan 2022	53.91	2.72%	Dec 2021	51.22
MB-CU-0511	Copper concentrates RC implied traders purchase, cif Asia Pacific, cents/lb	07 Jan 2022	5.39	2.67%	Dec 2021	5.12

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0408	Copper blister 98-99% RC spot, cif China, \$/tonne	31 Dec 2021	150 - 170	0.00%	Dec 2021	150 - 170
MB-CU-0409	Copper blister 98-99% RC annual benchmark, cif China, \$/tonne	31 Dec 2021	145 - 165	6.90%	Dec 2021	145 - 165

Nickel prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NI-0241	Nickel briquette premium, delivered Midwest US, US cents/lb	11 Jan 2022	65 - 90	0.00%	Dec 2021	67.5 - 90
MB-NI-0242	Nickel 4x4 cathode all-in price, delivered Midwest US, US cents/lb	11 Jan 2022	1037.77 - 1047.77	2.82%	Dec 2021	962.9 - 970.76
MB-NI-0243	Nickel briquette all-in price, delivered Midwest US, US cents/lb	11 Jan 2022	1047.77 - 1072.77	2.77%	Dec 2021	975.29 - 997.9
MB-NI-0240	Nickel 4x4 cathode premium, delivered Midwest US, US cents/lb	11 Jan 2022	55 - 65	0.00%	Dec 2021	55 - 63.75
MB-NI-0245	Nickel min 99.8% briquette premium, cif Shanghai, \$/tonne	29 Dec 2021	400 - 500	28.57%	Dec 2021	400 - 500
MB-NI-0142	Nickel min 99.8% full plate premium, cif Shanghai, \$/tonne	11 Jan 2022	330 - 350	7.94%	Dec 2021	305 - 335
MB-NI-0143	Nickel min 99.8% full plate premium, in-whs Shanghai, \$/tonne	11 Jan 2022	350 - 375	8.21%	Dec 2021	325 - 352.5
MB-NI-0001	Nickel 4x4 cathode premium, in-whs Rotterdam, \$/tonne	11 Jan 2022	220 - 290	0.00%	Dec 2021	220 - 290
MB-NI-0002	Nickel briquette premium, in-whs Rotterdam, \$/tonne	11 Jan 2022	150 - 170	0.00%	Dec 2021	150 - 170
MB-NI-0003	Nickel uncut cathode premium, in-whs Rotterdam, \$/tonne	11 Jan 2022	70 - 90	0.00%	Dec 2021	70 - 90
MB-NI-0139	Nickel min 99.8% full plate warrant premium, in-whs East Asia, \$/tonne	05 Jan 2022	30 - 45	0.00%	Dec 2021	30 - 43
MB-NI-0137	Nickel min 99.8% full plate warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	30 - 45	0.00%	Dec 2021	30 - 45
MB-NI-0140	Nickel min 99.8% briquette warrant premium, in-whs East Asia, \$/tonne	05 Jan 2022	50 - 60	0.00%	Dec 2021	50 - 60
MB-NI-0138	Nickel min 99.8% briquette warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	50 - 60	0.00%	Dec 2021	50 - 60
MB-NI-0141	Nickel min 99.8% warrant premium, in-whs North Europe, \$/tonne	05 Jan 2022	50 - 175	0.00%	Dec 2021	38 - 157
MB-NI-0244	Nickel sulfate min 21%, max 22.5%; cobalt 10ppm max, exw China, yuan/tonne	07 Jan 2022	35000 - 36000	2.90%	Dec 2021	34500 - 35300
MB-NI-0246	Nickel sulfate, cif China, Japan and Korea, \$/tonne	04 Jan 2022	4898	-1.33%	Dec 2021	4964
MB-NI-0247	Nickel sulfate premium, cif China, Japan and Korea, \$/tonne	04 Jan 2022	1900	-17.39%	Dec 2021	2300
MB-NI-0107	Nickel import arbitrage, yuan/tonne	11 Jan 2022	6176.97	22.06%	Dec 2021	1610.79
MB-NI-0106	Nickel import arbitrage, \$/tonne	11 Jan 2022	967.27	22.07%	Dec 2021	252.32
MB-NI-0093	Nickel fixing price for LME trade, rand/tonne	11 Jan 2022	339927.22	3.56%	Dec 2021	319300.16

Nickel ore & laterite ore prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NIO-0001	Nickel ore 1.8% basis 15-20% Fe water content: 30-35% Si:Mg ratio<2 lot size 50,000 tonnes, cif China, \$/tonne	07 Jan 2022	115 - 118	0.00%	Dec 2021	116.8 - 120.4
MB-NIO-0002	Laterite ore with 1.5% Ni content, cif China, \$/tonne	07 Jan 2022	81 - 83	0.00%	Dec 2021	81 - 83

Lead prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0108	Lead 99.99% ingot premium, cif Southeast Asia, \$/tonne	07 Dec 2021	125 - 145	-1.82%	Dec 2021	125 - 145
MB-PB-0107	Lead 99.97% ingot premium, cif Southeast Asia, \$/tonne	07 Dec 2021	80 - 110	0.00%	Dec 2021	80 - 110
MB-PB-0084	Lead 99.97% ingot premium, cif Taiwan, \$/tonne	11 Jan 2022	100 - 120	2.33%	Dec 2021	100 - 115
MB-PB-0083	Lead 99.99% ingot premium, cif Taiwan, \$/tonne	11 Jan 2022	140 - 150	3.57%	Dec 2021	135 - 145
MB-PB-0087	Lead 99.97% ingot premium, cif India, \$/tonne	04 Jan 2022	50 - 130	0.00%	Dec 2021	50 - 130
MB-PB-0086	Lead 99.99% ingot premium, cif India, \$/tonne	04 Jan 2022	140 - 150	0.00%	Dec 2021	140 - 150
MB-PB-0099	Lead 99.99% ingot premium, delivered Midwest US, US cents/lb	11 Jan 2022	19 - 22	0.00%	Dec 2021	18 - 20.5
MB-PB-0006	Lead 99.97% ingot premium, ddp Midwest US, US cents/lb	11 Jan 2022	17 - 20	0.00%	Dec 2021	16 - 19
MB-PB-0056	Lead 99.97% ingot all-in price, ddp Midwest US, US cents/lb	11 Jan 2022	121.44 - 124.44	0.07%	Dec 2021	120.1 - 123.1
MB-PB-0109	Lead 99.97% ingot warrant premium, in-whs North Europe, \$/tonne	05 Jan 2022	30 - 50	0.00%	Dec 2021	24 - 42
MB-PB-0110	Lead 99.97% ingot warrant premium, in-whs South Europe, \$/tonne	05 Jan 2022	30 - 50	0.00%	Dec 2021	24 - 38
MB-PB-0106	Lead min 99.97% ingot warrant premium, in-whs East Asia \$/tonne	05 Jan 2022	5 - 20	0.00%	Dec 2021	5 - 20
MB-PB-0105	Lead min 99.97% ingot warrant premium, in-whs Southeast Asia \$/tonne	05 Jan 2022	5 - 20	0.00%	Dec 2021	5 - 20
MB-PB-0097	Lead 99.97% ingot warrant premium, in-whs US, \$/tonne	05 Jan 2022	20 - 30	0.00%	Dec 2021	20 - 30
MB-PB-0064	Lead fixing price for LME trade, rand/tonne	11 Jan 2022	36140.79	0.62%	Dec 2021	36595.63

Lead concentrate prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0101	Lead concentrate TC High Silver, Annual Benchmark, \$ per tonne	03 Jun 2019	98	0.00%	Dec 2021	98
MB-PB-0100	Lead concentrate TC, low silver, annual benchmark, \$/tonne	15 Mar 2018	99	-28.26%	Dec 2021	99
MB-PB-0103	Lead spot concentrate TC, low silver, cif China, \$/tonne	31 Dec 2021	55 - 75	0.00%	Dec 2021	55 - 75
MB-PB-0104	Lead spot concentrate TC, high silver, cif China, \$/tonne	31 Dec 2021	50 - 70	0.00%	Dec 2021	50 - 70

Tin prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-SN-0029	Tin 99.9% low lead ingot premium, in-whs Rotterdam, \$/tonne	11 Jan 2022	1500 - 2000	0.00%	Dec 2021	1500 - 2000
MB-SN-0002	Tin 99.9% ingot premium, in-whs Rotterdam, \$ per tonne	11 Jan 2022	1000 - 1400	0.00%	Dec 2021	1050 - 1400
MB-SN-0036	Tin 99.85% ingot premium, in-whs Baltimore, \$/tonne	11 Jan 2022	1900 - 2200	0.00%	Dec 2021	1900 - 2200
MB-SN-0038	Tin 99.9% ingot premium, cif Taiwan, \$/tonne	11 Jan 2022	350 - 500	0.00%	Dec 2021	325 - 450
MB-SN-0012	Tin grade A min 99.85% ingot all-in price, ddp Midwest US, \$/tonne	11 Jan 2022	42750 - 43150	0.59%	Dec 2021	41668.81 - 42197.38
MB-SN-0011	Tin grade A min 99.85% ingot premium, ddp Midwest US, \$/tonne	11 Jan 2022	2100 - 2500	0.00%	Dec 2021	2100 - 2500
MB-SN-0042	Tin min 99.85% ingot warrant premium, in-whs South East Asia, \$/tonne	05 Jan 2022	50 - 150	0.00%	Dec 2021	50 - 150
MB-SN-0005	Tin rand fixing price for LME trade, rand/tonne	11 Jan 2022	638147.51	1.21%	Dec 2021	629447.24

Zinc prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0115	Zinc SHG 99.995% ingot premium, fca Malaysia, \$/per tonne	11 Jan 2022	140 - 150	-3.33%	Dec 2021	140 - 155

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0113	Zinc SHG 99.995% ingot premium, fca Singapore, \$/per tonne	11 Jan 2022	140 - 150	-3.33%	Dec 2021	140 - 155
MB-ZN-0093	Zinc SHG min 99.995% ingot premium, cif Southeast Asia, \$/tonne	11 Jan 2022	145 - 160	0.00%	Dec 2021	145 - 160
MB-ZN-0116	Zinc SHG 99.995% ingot premium, cif Taiwan \$/tonne	11 Jan 2022	150 - 160	0.00%	Dec 2021	150 - 160
MB-ZN-0119	Zinc min 99.995% ingot premium, in-whs Shanghai, \$/tonne	11 Jan 2022	80 - 90	0.00%	Dec 2021	77.5 - 87.5
MB-ZN-0106	Zinc SHG min 99.995% ingot premium, cif Shanghai, \$/per tonne	11 Jan 2022	80 - 90	0.00%	Dec 2021	77.5 - 87.5
MB-ZN-0102	Zinc SHG min 99.995% ingot premium, ddp Italy, \$/per tonne	11 Jan 2022	380 - 420	0.00%	Dec 2021	380 - 420
MB-ZN-0103	Zinc SHG min 99.995% ingot premium, fca dp Italy, \$/tonne	11 Jan 2022	350 - 380	0.00%	Dec 2021	350 - 380
MB-ZN-0099	Zinc SHG min 99.995% ingot premium, dp fca Antwerp, \$/tonne	11 Jan 2022	300 - 350	6.56%	Dec 2021	260 - 290
MB-ZN-0001	Zinc SHG min 99.995% ingot premium, dp fca Rotterdam, \$/tonne	11 Jan 2022	300 - 350	6.56%	Dec 2021	260 - 290
MB-ZN-0082	Zinc SHG min 99.995% ingot premium monthly average, delivered UK, £/tonne	04 Jan 2022	2822	6.57%	Dec 2021	2648
MB-ZN-0005	Zinc SHG min 99.995% ingot premium, ddp Midwest US, US cents/lb	11 Jan 2022	18 - 22	17.65%	Dec 2021	15 - 19
MB-ZN-0061	Zinc SHG min 99.995% ingot all-in price, ddp Midwest US, US cents/lb	11 Jan 2022	178.5 - 182.5	0.74%	Dec 2021	169.16 - 173.16
MB-ZN-0104	Zinc SHG min 99.995% warrant premium, in-whs US, \$/per tonne	05 Jan 2022	10 - 15	0.00%	Dec 2021	10 - 15
MB-ZN-0117	Zinc SHG min 99.995% warrant premium, in-whs North Europe, \$/tonne	05 Jan 2022	80 - 100	0.00%	Dec 2021	80 - 100
MB-ZN-0123	Zinc SHG min 99.995% warrant premium, in-whs Southeast Asia, \$/tonne	05 Jan 2022	10 - 30	33.33%	Dec 2021	10 - 20
MB-ZN-0083	Zinc import arbitrage, \$/tonne	11 Jan 2022	(286.69)		Dec 2021	(243.21)
MB-ZN-0084	Zinc import arbitrage, yuan/tonne	11 Jan 2022	(1830.82)		Dec 2021	(1552.06)
MB-ZN-0072	Zinc rand fixing price for LME trade, rand/tonne	11 Jan 2022	55504.72	-0.50%	Dec 2021	54173.84

Zinc concentrate & zinc alloy prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0121	Zinc concentrate TC spot, delivered South China, yuan/tonne	31 Dec 2021	3650 - 3950	-2.56%	Dec 2021	3650 - 3950
MB-ZN-0120	Zinc concentrate TC spot, delivered North China, yuan/tonne	31 Dec 2021	3950 - 4100	-1.83%	Dec 2021	3950 - 4100
MB-ZN-0110	Zinc spot concentrate TC, cif China, \$/per tonne	31 Dec 2021	78 - 100	7.88%	Dec 2021	74 - 97.5
MB-ZN-0111	Zinc concentrate TC annual benchmark, cif China, \$/per tonne	24 Jul 2019	245	66.67%	Dec 2021	245

Manganese ore & alloys

 Source: dashboard.fastmarkets.com/m/d73a1ad8-bcee-4a7e-911a-5c69669337c7

Weekly ore indices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-MNO-0002	Manganese ore 37% Mn, fob Port Elizabeth, \$/dmtu	07 Jan 2022	3.23	1.57%	Dec 2021	3.21
MB-MNO-0001	Manganese ore 44% Mn, cif Tianjin, \$/dmtu	07 Jan 2022	5.46	-2.50%	Dec 2021	5.52
MB-MNO-0003	Manganese ore index 37% Mn, cif Tianjin, \$/dmtu	07 Jan 2022	4.51	0.22%	Dec 2021	4.54
MB-MNO-0004	Manganese ore port index, base 37% Mn, range 35-39%, fot Tianjin China, yuan/dmtu	07 Jan 2022	33.9	-0.29%	Dec 2021	33.94
MB-MNO-0005	Manganese ore port index, base 44% Mn, range 42-48%, fot Tianjin China, yuan/dmtu	07 Jan 2022	42.1	-0.24%	Dec 2021	42.24

Silico-manganese prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-SIM-0001	Silico-manganese 65% Mn min, max 17% Si, in-whs China, yuan/tonne	07 Jan 2022	7800 - 8000	0.00%	Dec 2021	7680 - 7900
MB-SIM-0004	Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	07 Jan 2022	1450 - 1500	1.72%	Dec 2021	1445 - 1495
MB-SIM-0002	Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	07 Jan 2022	1550 - 1600	-4.55%	Dec 2021	1620 - 1720
MB-SIM-0005	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	06 Jan 2022	1.2 - 1.25	0.00%	Dec 2021	
MB-SIM-0003	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, US cents/lb	06 Jan 2022	120 - 125	0.00%	Dec 2021	120 - 125

Ferro-manganese prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEM-0007	Ferro-manganese 65% Mn min, max 7% C, in-whs China, yuan/tonne	07 Jan 2022	7200 - 7500	0.00%	Dec 2021	6920 - 7060
MB-FEM-0006	Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	07 Jan 2022	1500 - 1550	-10.29%	Dec 2021	1670 - 1770
MB-FEM-0002	Ferro-manganese low carbon 80% Mn, max 0.80% C, in-whs Pittsburgh, US cents/lb	06 Jan 2022	315 - 320	0.00%	Dec 2021	315 - 320
MB-FEM-0004	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	06 Jan 2022	2.55 - 2.6	0.00%	Dec 2021	
MB-FEM-0003	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, US cents/lb	06 Jan 2022	255 - 260	0.00%	Dec 2021	249 - 254
MB-FEM-0001	Ferro-manganese high carbon 78% Mn, standard 7.5% C, in-whs Pittsburgh, \$/long ton	06 Jan 2022	2600 - 2650	0.00%	Dec 2021	2600 - 2650

Iron ore markets

Source: dashboard.fastmarkets.com/m/74f0932b-34c8-430d-a2b6-2402986448e2

News

Brazil rainfall affects short-term iron ore supplies; high-grade prices rise

By Alice Li - Tuesday 11 January

Seaborne ore prices increased on Tuesday January 11, with market sentiment supported by the impact of heavy rainfall in the major mining areas of Brazil, sources told Fastmarkets.

Key drivers

Sentiment in the iron ore market improved in China shortly after the world's largest iron ore producer, Vale, halted some iron ore operations in Brazil because of heavy rains on Monday night, although the company said the temporary suspension would have no impact on its yearly output guidance.

A few trader sources said supplies of high-grade Brazilian fines would be reduced due to the heavy rains, while others said it would not continue to have an impact a lot on prices because of the upcoming Chinese Lunar New Year holiday and the steelmaking production restrictions in place ahead of and during the Winter Olympics.

A Shanghai-based trader source said that supplies of Brazilian Blended Fines (BRBF) could be affected because they are the main products shipped to China from the rain-impacted regions of Vale's south and southeast mining systems.

Market sentiment for high-grade Carajas fines (IOCJ) from Vale rapidly improved in response, with deals in both the primary and secondary markets concluded today at unexpectedly high prices.

Additionally, some market participants were still uncertain about the impact of the emerging Covid-19 cases in China, especially near the major port of Tianjin, and market sentiment in the country was somewhat depressed because of that uncertainty, a Xiamen-based analyst said.

The most-traded May iron ore futures contract on the Dalian Commodity Exchange ended the day up by 3.4% from yesterday's closing price of 699.5 yuan (\$110) per tonne.

Iron ore forward-month swaps contracts on the Singapore Exchange were also up on Tuesday. By 6:10 pm Singapore time, the most-traded February contract was up by \$3.42 per tonne compared with Monday's settlement price of \$125.08 per tonne.

Fastmarkets iron ore indices

62% Fe fines, cfr Qingdao: \$129.17 per tonne, up \$3.44 per tonne

62% Fe low-alumina fines, cfr Qingdao: \$130.05 per tonne, up \$2.97 per tonne

58% Fe fines high-grade premium, cfr Qingdao: \$101.41 per tonne, up \$3.08 per tonne

65% Fe Brazil-origin fines, cfr Qingdao: \$159.20 per tonne, up \$8.00 per tonne

63% Fe Australia-origin lump ore premium, cfr Qingdao: \$0.3000 per dry metric tonne unit (dmtu), up \$0.0200 per dmtu

62% Fe fines, fot Qingdao: 844 yuan per wet metric tonne (implied 62% Fe China Port Price: \$122.36 per dry tonne), up by 8 yuan per wmt

Quote of the day

"The price of IOCJ at China's ports increase to about 1,030-1,040 yuan per wet tonne (\$151-152 per dry tonne) [but] is much lower than seaborne prices. But it should definitely follow the uptrend because of tight supplies and speculative buying interest from traders," a Shandong-based trader said.

Trades/offers/bids heard in the market

Vale, Globalore, 100,000 tonnes of 65% Fe Iron Ore Carajas fines, traded at \$159.15 per tonne cfr China, bill of lading dated January 3

BHP, Globalore, 110,000 tonnes of 62% Fe Mining Area C fines, traded at \$120.60 per tonne cfr China, February delivery.

Rio Tinto, Globalore, 70,000 tonnes of 62.5% Fe Pilbara Blend lump, traded at February average of a 62% Fe index plus a lump premium of \$0.3000 per dry metric tonne unit, laycan February 1-10.

BHP, Beijing Iron Ore Trading Center (Corex), 90,000 tonnes of 60.5% Fe Jimblebar fines, traded at the February average of two 62% Fe indices plus a discount of \$21.20 per tonne, laycan February 1-10.

Fortescue Metals Group (FMG), tender, 85,000 tonnes of 57.1% Fe FMG lump, traded at the February average of a 62% Fe index on an fob Australia basis plus a discount of 23%, laycan February 11-20.

Rio Tinto, Corex, 170,000 tonnes of 61% Fe Pilbara Blend fines, offered at \$127 per tonne cfr China, laycan February 1-10.

BHP, tender, 80,000 tonnes of 56.7% Fe Yandi fines, laycan February 1-10.

BHP, tender, 80,000 tonnes of 56.7% Fe Yandi fines, laycan February 3-12.

Market participant indications for MBIO162 Index (62%Fe basis)

Pilbara Blend fines: \$126.03-128.50 per tonne cfr China

Brazilian Blend fines: \$129-132 per tonne cfr China

Newman fines: \$126.71-129.37 per tonne cfr China

Jimblebar fines: \$101.45-109.65 per tonne cfr China

Port prices

Pilbara Blend fines were traded at 825-835 yuan per wmt in Rizhao city on Tuesday, compared with 815-827 yuan per wmt on Monday.

The latest range is equivalent to about \$119-121 per tonne in the seaborne market.

Dalian Commodity Exchange

The most-traded May iron ore futures contract closed at 723.5 yuan (\$113) per tonne on Tuesday, up by 24 yuan per tonne from yesterday's closing price.

Alex Theo in Singapore contributed to this article.

How green energy could fundamentally alter Chinese steelmaking

By Paul Lim, Zihuan Pan - Tuesday 11 January

China aims to raise the share of non-fossil fuels in total energy consumption to about 20% and 25% by 2025 and 2030 respectively, according to an action plan formulated by the Central Committee of the Communist Party of China and the State Council to peak carbon dioxide emissions by 2030 and achieve carbon neutrality by 2060.

That suggests an increasing importance and usage of green energy - energy that is produced with little-to-no environmental impact - amid the country's decarbonization push.

"The change to the energy structure does not only facilitate the steel sector's transition to low carbon, but also brings profound changes to the demand structure for steel," Wang Guoqing, research director at the Beijing Lange Steel Information Research Center, told Beijing-based securities newspaper Securities Daily in December.

Steelmakers bet on hydrogen power

"The application of hydrogen energy in steel production is an effective way to transform and upgrade the steel industry to a low-carbon and green industry," Jin Qinxian, deputy secretary-general of Tsinghua University and dean of the Beijing Tsinghua Industrial Development Research Institute, said at an industry forum in November.

Hydrogen metallurgy is a technology that applies hydrogen instead of carbon as a reduction agent in ironmaking processes; it is zero emission, and the process is very fast. The technology is one of the most promising ways to help the steel industry achieve "zero carbon," Ma Guangyu, the director of the environment and resource unit under the Iron and Steel Research Institute of Ansteel Group, told Fastmarkets.

The action plan for a 2030 carbon peak also encourages steel mills to facilitate "the substitution of clean energy" and venture into "integrated trials on hydrogen metallurgy and integrated capture and utilization of carbon dioxide."

Wei Wei, president of the clean energy unit at Baowu Steel Group, identified three ultimate directions for decarbonization in steelmaking: 1) electrification, such as shifting to electric-arc furnaces, 2) carbon capture and utilization, and 3) hydrogen energy, which will be "disruptive" to the industry.

Given the significant potential of hydrogen power, Chinese steelmakers have stepped up their efforts in the development of hydrogen metallurgy.

HBIS Xuansteel started the construction of its hydrogen energy application pilot project in northern China in May last year, marking the launch of the world's first hydrogen metallurgy demonstration project.

The project will use wind and solar power to produce hydrogen and employ new hydrogen reduction technologies, including Tenova Energiron-ZR technology, to replace the traditional blast furnace hot metal procedures, according to HBIS Xuansteel.

Baowu Steel is now working on a hydrogen-enriched carbon recycling blast furnace project in the Xinjiang Uyghur Autonomous Region in northwest China. **Baowu's 1 million-tonne capacity, zero-carbon plant** with hydrogen-based shaft furnaces and electric-arc furnaces in Zhanjiang, southern China is also in the pipeline and is expected to start operation in September 2023.

Ansteel Group released its roadmap for low-carbon metallurgical pathway development at the end of 2021, in which it identified three key technologies for carbon reduction: hydrogen-rich oxygen-rich ironmaking technologies in blast furnaces, carbon dioxide capture and utilization, and hydrogen

metallurgy.

The steelmaker is working on the project of "green power, green hydrogen and green steel" - using green energy-produced hydrogen to produce steel, and facilities for the project are expected to be completed by the end of 2022, according to Ansteel Group's Ma.

But Ma also pointed out that technologies for the production, storage, transportation and utilization of hydrogen are still "immature" and require vast investment. Ansteel expects to the mass adoption of hydrogen metallurgy to be realized after 2035, according to its roadmap.

Energy transition to boost steel demand

The clean energy transition to ease the impact of climate change could "unleash unprecedented metals demand in the coming decades," the International Monetary Fund (IMF) said in a blog post in December.

The IMF expects the energy transition, including the shift to electric vehicles, greater electrification and use of renewable energies, to require "as much as 3 billion tons in metals."

For China's pathway to green and low-carbon energy transition, the country plans to continue its development of energy resources such as hydro, wind and solar power, speed up its development of new electric power systems, and actively develop nuclear power in a safe and orderly way. At the same time, it will promote the substitution, transformation and upgrading of coal and regulating oil and gas consumption, according to its 2030 carbon peak action plan.

China aims to bring its installed generation capacity of wind and solar power to beyond 1,200 gigawatts by 2030.

Data from the National Energy Administration (NEA) shows that China's installed wind power capacity soared by 29% year on year to 300 million kilowatts in the first eleven months of 2021, and solar power capacity reached 290 million kilowatts, up by 24.1% from a year earlier.

Steel mills are also investing in green energy to make their production process greener. For instance, Baowu's operations in Zhanjiang are making progress with a solar power project. Phase 1 of its rooftop solar photovoltaic systems, with capacity of 48.2 megawatts, was connected to the grid on December 15, 2021. Ansteel said it is developing solar energy, wind energy and nuclear power projects to generate electricity.

Construction of these green energy projects looks to set to give a boost to steel demand, with wind farms requiring heavy plates and photovoltaic (PV) power generation requiring high-strength, lightweight, corrosion-resistant, and fatigue-resistant steel structures.

China also identified promoting green and low-carbon transportation as a key focus on its way to carbon peak and neutrality.

The application of new and clean energy, such as electricity, hydrogen power, natural gas, and advanced liquid biofuels, will be increasingly used in transportation. China aims for new energy and clean energy-powered vehicles to make up 40% of total vehicles in the country by 2030.

Automobiles are a major steel consumer. China wants about 20% of new cars sold by 2025 to be electrified, while also aiming for new energy vehicles (NEV) to be the dominant type of vehicle sold in the country by 2035, according to the development plan for the NEV sector (2021-35), issued by the State Council in November 2020.

The China Association of Automobile Manufacturers (CAAM) made a forecast on December 14 that domestic NEV sales will hit 5 million units in 2022, up by 47% year on year. CAAM data shows that for the first 11 months of 2021, **China's NEV output and sales amounted to 3.02 million and 2.99 million units respectively**, both up by about 167% from the same period last year.

Robust growth in the NEV sector, coupled with the construction of charging facilities, will offer strong support to steel consumption, a Shanghai-based

industry analyst said. A number of mills told Fastmarkets they are developing steel products used in NEVs.

Some steelmakers have stepped up their deployment of high-end auto sheets for NEVs. For instance, a groundbreaking ceremony for an auto sheet plant, which is [jointly owned by HBIS Group and South Korean steel producer Posco](#)

was held on January 7. The plant, located in Tangshan in North China's Hebei Province, coupled with an existing production line in Guangdong in South China, will make the joint venture to be the biggest high-end auto sheet supplier in China and the venture will focus on sales of high-end, NEV sheets and aim to provide low-carbon, green and lightweight materials for high-end car brands.

Daily indices price table

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-IRO-0009	Iron ore 65% Fe Brazil-origin fines, cfr Qingdao, \$/tonne	11 Jan 2022	159.2	5.29%	Dec 2021	132.02
MB-IRO-0144	Iron ore 62% Fe low-alumina fines, cfr Qingdao, \$/tonne	11 Jan 2022	130.05	2.34%	Dec 2021	115.83
MB-IRO-0008	Iron ore 62% Fe fines, cfr Qingdao, \$/tonne	11 Jan 2022	129.17	2.74%	Dec 2021	115.25
MB-IRO-0017	Iron ore 58% Fe fines high-grade premium index, cfr Qingdao, \$/tonne	11 Jan 2022	101.41	3.13%	Dec 2021	88.14
MB-IRO-0016	Iron ore 58% Fe fines high-grade premium, cfr Qingdao, \$/tonne	11 Jan 2022	23	4.55%	Dec 2021	18.54
MB-IRO-0015	Iron ore 58% Fe fines, cfr Qingdao, \$/tonne	11 Jan 2022	78.41	2.73%	Dec 2021	69.6
MB-IRO-0010	Iron ore 63% Fe Australia-origin lump ore premium, cfr Qingdao, US cents/dmtu	11 Jan 2022	30	7.14%	Dec 2021	15.17
MB-IRO-0022	Iron ore 62% Fe fines, fot Qingdao, \$/tonne conversion	11 Jan 2022	122.36	1.17%	Dec 2021	109.62
MB-IRO-0011	Iron ore 62% Fe fines, fot Qingdao, yuan/wet tonne	11 Jan 2022	844	0.96%	Dec 2021	758.57
MB-IRO-0076	Iron ore product differential - 62% Fe Pilbara Blend Fines, cfr Qingdao, \$/tonne	31 Dec 2021	(0.75)		Dec 2021	(1.2)
MB-IRO-0114	Iron ore 62% Fe Pilbara blend fines, cfr Qingdao, \$/tonne	31 Dec 2021	120	0.77%	Dec 2021	94.12

Weekly and monthly indices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-IRO-0012	Iron ore 65% Fe blast furnace pellet, cfr Qingdao, \$/tonne	07 Jan 2022	203.6	4.62%	Dec 2021	185.02
MB-IRO-0013	Iron ore 66% Fe concentrate, cfr Qingdao, \$/tonne	07 Jan 2022	155.77	5.86%	Dec 2021	138.88
MB-IRO-0077	Iron ore DR-grade pellet premium to 65% Fe fines index, Middle East reference, \$/tonne	31 Dec 2021	50	0.00%	Dec 2021	50
MB-IRO-0177	Iron ore pellet premium over 65% Fe fines, cfr China, \$/tonne	07 Jan 2022	54.8	1.67%	Dec 2021	52.2

Weekly value-in-use indices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-IRO-0021	Iron ore 62% Fe fines, % Al ₂ O ₃ VIU, cfr Qingdao, \$/tonne	11 Jan 2022	(6.21)		Dec 2021	(6.33)
MB-IRO-0018	Iron ore 62% Fe fines, % Fe VIU, cfr Qingdao, \$/tonne	11 Jan 2022	2.14	0.00%	Dec 2021	2.11
MB-IRO-0020	Iron ore 62% Fe fines, % Si VIU, cfr Qingdao, \$/tonne	11 Jan 2022	(5.69)		Dec 2021	(4.94)
MB-IRO-0024	Iron ore 62% Fe fines, 0.01% P VIU, cfr Qingdao, \$/tonne	11 Jan 2022	(0.83)		Dec 2021	(0.82)
MB-IRO-0019	Iron ore 65% Fe fines, % Fe VIU, cfr Qingdao \$/tonne	11 Jan 2022	2.81	0.00%	Dec 2021	2.29

Ferro-alloy markets

Source: dashboard.fastmarkets.com/m/1746b0c9-25c5-4ffd-b531-bdec474d8481

Bulk ores & alloys news

Upward trajectory emerges in Chinese spot FeCr markets; high carbon prices tick up in Europe and US

By Chris Kavanagh, Siyi Liu, Claire Patel-Campbell - Tuesday 11 January

An overview of the chrome ore and alloy markets and their latest price moves globally in the week ended Tuesday January 11.

GLOBAL FERRO-CHROME AND CHROME ORE PRICES			
	New price	Previous price	% Change
Ferro-chrome high carbon 6-8.5% C, basis 60-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	1.73-1.95	1.72-1.92	▲1.1
Ferro-chrome, high carbon, 6-8.5% C, basis 65-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	1.28-1.50	1.41-1.50	▼4.8
Ferro-chrome, high carbon, 6-8.5% C, basis 60-64.9% Cr, max 3% Si, cif Europe, \$/lb Cr	2.10-2.25	2.05-2.25	▲1.4
Ferro-chrome high carbon 6-8% C, basis 60-65% Cr, max 2% Si, in-whs Pittsburgh, \$/lb	1.07	1.07	0.0
Ferro-chrome 50% Cr import, cif main Chinese ports, \$/lb contained Cr	1.06-1.08	1.19-1.21	▼10.8
Ferro-chrome high carbon 57-65% Cr, cif dup Japan, \$/lb	1.05-1.07	1.17-1.19	▼10.2
Ferro-chrome high carbon 57-65% Cr, cif dup South Korea, \$/lb	8,200-8,500	8,100-8,400	▲1.2
Ferro-chrome spot 6-8% C, basis 50% Cr, ddp China, yuan/tonne	1.72	1.71	▲0.6
Ferro-chrome lumpy Cr benchmark indicator, charge basis 52% (and high carbon), Europe, \$/lb	171	171	0.0
Chrome ore South Africa UG2 concentrates index basis 42%, cif China, \$/tonne	300-310	300-310	0.0
Chrome ore Turkish lumpy 40-42%, cfr main Chinese ports, \$/tonne			

China

- The spot ferro-chrome market showed an upward trajectory for the first time since mid-October, with suppliers raising their offers after previous price falls reduced their profit margins; some producers in southern regions who could not bear the high production costs had to cut production.
- Market sentiment also strengthened amid improved stainless steel performance in recent weeks.
- The turning point in the domestic market has capped the downtrend on the imported charge chrome market, despite quiet spot trading.
- The UG2/MG market was unchanged, with little activity reported from either the buy or sell side.
- Turkish lumpy prices also remained stable in thin trading.

Chrome ore

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CHO-0003	Chrome ore South Africa UG2/MG concentrates index, cif China, \$/tonne	11 Jan 2022	171	0.00%	Dec 2021	170.75
MB-CHO-0002	Chrome ore Turkish lumpy 40-42%, cfr main Chinese ports, \$/tonne	11 Jan 2022	300 - 310	0.00%	Dec 2021	290 - 308.75

Europe

- High carbon ferro-chrome prices, basis 65-70% Cr, ticked up in the week to January 11 after more market participants returned to work following the holiday period.
- Demand from European buyers has increased, sources said.
- High electricity prices also continue to be an issue for some producers, which looks likely to continue in the coming weeks.
- Meanwhile, high carbon ferro-chrome, basis 60-64.9% appears weaker amid an apparent lack of buying interest.

Japan and South Korea

- These markets are assessed every two weeks. The table shows the latest price from December 30, 2021 compared with the previous session. Fastmarkets will next assess these markets on January 13.

United States

- The US high carbon ferro-chrome market strengthened in the week to Thursday January 6 amid a slight uptick in spot trading over the period.
- Thin spot availability continues to prop up pricing; suppliers were able to garner higher prices on small-tonnage spot transactions.
- Market participants suspect prices will maintain these elevated levels over the near term, with the supply situation unlikely to dissipate.

Ferro-chrome

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEC-0012	Ferro-chrome high carbon 6-8% C, basis 60-65% Cr, max 2% Si, in-whs Pittsburgh, \$/lb	06 Jan 2022	2.1 - 2.25	1.40%	Dec 2021	
MB-FEC-0004	Ferro-chrome high carbon 6-8.5% C, basis 60-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	28 Dec 2021	1.72 - 1.92	0.00%	Dec 2021	1.72 - 1.92
MB-FEC-0001	Ferro-chrome low phosphorous, min 65% Cr, max 0.015% P, delivered Europe, \$/lb	04 Jan 2022	1.77 - 1.99	0.00%	Dec 2021	1.77 - 1.99
MB-FEC-0017	Ferro-chrome high carbon 57-65% Cr, cif dup Japan, \$/lb	30 Dec 2021	1.06 - 1.08	-10.83%	Dec 2021	1.17 - 1.19
MB-FEC-0018	Ferro-chrome high carbon 57-65% Cr, cif dup South Korea, \$/lb	30 Dec 2021	1.05 - 1.07	-10.17%	Dec 2021	1.15 - 1.17
MB-FEC-0021	Ferro-chrome high carbon 6-8.5% C, basis 65-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	11 Jan 2022	1.73 - 1.95	1.10%	Dec 2021	1.72 - 1.92
MB-FEC-0020	Ferro-chrome high carbon 6-8.5% C, basis 60-64.9% Cr, max 3% Si, cif Europe, \$/lb Cr	11 Jan 2022	1.28 - 1.5	-4.79%	Dec 2021	1.42 - 1.5
MB-FEC-0011	Ferro-chrome 50% Cr import, cif main Chinese ports, \$/lb contained Cr	11 Jan 2022	1.07	0.00%	Dec 2021	1.16
MB-FEC-0006	Ferro-chrome spot 6-8% C, basis 50% Cr, ddp China, yuan/tonne	11 Jan 2022	8200 - 8500	1.21%	Dec 2021	8725 - 9000
MB-FEC-0005	Ferro-chrome contract 6-8% C, basis 50% Cr, ddp China, yuan/tonne	11 Jan 2022	8195 - 9600	0.00%	Dec 2021	9098.75 - 9600
MB-FEC-0019	Ferro-chrome lumpy Cr benchmark indicator, charge basis 52% (and high carbon), Europe, \$/lb	11 Jan 2022	1.72	0.58%	Dec 2021	1.81
MB-FEC-0016	Ferro-chrome lumpy Cr charge quarterly, basis 52% Cr (and high carbon), delivered Europe, \$/lb Cr (rounded to the closest 2 decimal places)	01 Oct 2021	1.8	15.38%	Dec 2021	1.8
MB-FEC-0014	Ferro-chrome low carbon 0.10%C, 62% Cr min, in-whs Pittsburgh, \$/lb	06 Jan 2022	3.65 - 3.75	0.00%	Dec 2021	
MB-FEC-0013	Ferro-chrome low carbon 0.05%C, 65% Cr min, in-whs Pittsburgh, \$/lb	06 Jan 2022	3.8 - 3.85	0.00%	Dec 2021	
MB-FEC-0015	Ferro-chrome low carbon 0.15%C, 60% Cr min, in-whs Pittsburgh, \$/lb	06 Jan 2022	3.55 - 3.6	0.00%	Dec 2021	
MB-FEC-0003	Ferro-chrome 0.10% C, average 65-70% Cr, delivered Europe, \$/lb Cr	04 Jan 2022	3.65 - 4.28	0.00%	Dec 2021	3.63 - 4.27
MB-FEC-0002	Ferro-chrome low carbon, 65% Cr, max 0.06% C, delivered Europe, \$/lb Cr	04 Jan 2022	3.69 - 4.32	0.00%	Dec 2021	3.67 - 4.31

Manganese ore

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-MNO-0002	Manganese ore 37% Mn, fob Port Elizabeth, \$/dmtu	07 Jan 2022	3.23	1.57%	Dec 2021	3.21
MB-MNO-0001	Manganese ore 44% Mn, cif Tianjin, \$/dmtu	07 Jan 2022	5.46	-2.50%	Dec 2021	5.52
MB-MNO-0003	Manganese ore index 37% Mn, cif Tianjin, \$/dmtu	07 Jan 2022	4.51	0.22%	Dec 2021	4.54
MB-MNO-0004	Manganese ore port index, base 37% Mn, range 35-39%, fot Tianjin China, yuan/dmtu	07 Jan 2022	33.9	-0.29%	Dec 2021	33.94
MB-MNO-0005	Manganese ore port index, base 44% Mn, range 42-48%, fot Tianjin China, yuan/dmtu	07 Jan 2022	42.1	-0.24%	Dec 2021	42.24

Ferro-manganese

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEM-0007	Ferro-manganese 65% Mn min, max 7% C, in-whs China, yuan/tonne	07 Jan 2022	7200 - 7500	0.00%	Dec 2021	6920 - 7060
MB-FEM-0006	Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	07 Jan 2022	1500 - 1550	-10.29%	Dec 2021	1670 - 1770

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEM-0002	Ferro-manganese low carbon 80% Mn, max 0.80% C, in-whs Pittsburgh, US cents/lb	06 Jan 2022	315 - 320	0.00%	Dec 2021	315 - 320
MB-FEM-0004	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	06 Jan 2022	2.55 - 2.6	0.00%	Dec 2021	
MB-FEM-0003	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, US cents/lb	06 Jan 2022	255 - 260	0.00%	Dec 2021	249 - 254
MB-FEM-0001	Ferro-manganese high carbon 78% Mn, standard 7.5% C, in-whs Pittsburgh, \$/long ton	06 Jan 2022	2600 - 2650	0.00%	Dec 2021	2600 - 2650

Silico-manganese

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-SIM-0001	Silico-manganese 65% Mn min, max 17% Si, in-whs China, yuan/tonne	07 Jan 2022	7800 - 8000	0.00%	Dec 2021	7680 - 7900
MB-SIM-0004	Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	07 Jan 2022	1450 - 1500	1.72%	Dec 2021	1445 - 1495
MB-SIM-0002	Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	07 Jan 2022	1550 - 1600	-4.55%	Dec 2021	1620 - 1720
MB-SIM-0005	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	06 Jan 2022	1.2 - 1.25	0.00%	Dec 2021	
MB-SIM-0003	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, US cents/lb	06 Jan 2022	120 - 125	0.00%	Dec 2021	120 - 125

Ferro-silicon

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FES-0003	Ferro-silicon 75% Si, in-whs Pittsburgh, \$/lb	06 Jan 2022	3.3 - 3.4	0.00%	Dec 2021	
MB-FES-0005	Ferro-silicon lumpy basis 75% Si (scale pro rata), delivered Europe, €/tonne	07 Jan 2022	2800 - 3300	0.00%	Dec 2021	3060 - 3460
MB-FES-0004	Ferro-silicon 75% Si min export, fob China, \$/tonne	05 Jan 2022	2000 - 2050	-1.22%	Dec 2021	2070 - 2170
MB-FES-0001	Ferro-silicon 75% Si min, in-whs China, yuan/tonne	05 Jan 2022	9300 - 9500	0.00%	Dec 2021	9360 - 9600

Molybdenum/ferro-molybdenum

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-MO-0001	Molybdenum canned molybdic oxide, in-whs Pittsburgh, \$/lb	06 Jan 2022	18.9 - 19.5	0.00%	Dec 2021	18.81 - 19.5
MB-FEO-0003	Molybdenum drummed molybdic oxide 57% Mo min, in-whs Rotterdam, \$/lb Mo	07 Jan 2022	18.95 - 19.1	0.16%	Dec 2021	18.84 - 19.05
MB-FEO-0004	Molybdenum MB drummed molybdic oxide Mo, in-whs Busan, \$/lb	07 Jan 2022	18.6 - 19	1.18%	Dec 2021	18.3 - 18.6
MB-FEO-0002	Ferro-molybdenum 65-70% Mo, in-whs Pittsburgh, \$/lb	06 Jan 2022	20.25 - 21	0.00%	Dec 2021	20.4 - 21.1
MB-FEO-0001	Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo	07 Jan 2022	44.5 - 45.1	0.90%	Dec 2021	43.31 - 44.46

Ferro-niobium/ferro-titanium

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FN-0001	Ferro-niobium 63-67% delivered consumer works, dp, Europe \$ per kg Nb	05 Jan 2022	44.2 - 45.5	0.00%	Dec 2021	44.32 - 45.7
MB-FET-0001	Ferro-titanium 70% Ti, max 4.5% Al, ddp Europe, \$/kg Ti	05 Jan 2022	7.7 - 8	0.00%	Dec 2021	7.7 - 8.04
MB-FET-0002	Ferro-titanium 68-72% Ti, ex-whs US, \$/lb	06 Jan 2022	3.6 - 3.85	0.00%	Dec 2021	3.6 - 3.85

Tungsten/ferro-tungsten

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-W-0001	Tungsten APT 88.5% WO ₃ min cif Rotterdam and Baltimore duty-free, \$/mtu WO ₃	07 Jan 2022	321 - 330	0.93%	Dec 2021	320 - 325
MB-W-0003	Tungsten APT 88.5% WO ₃ min, fob main ports China, \$/mtu WO ₃	05 Jan 2022	315 - 320	0.00%	Dec 2021	313.8 - 319.4
MB-W-0002	Tungsten concentrate 65% WO ₃ , in-whs China, yuan/tonne	05 Jan 2022	113000 - 114000	1.34%	Dec 2021	108500 - 109800
MB-FEU-0001	Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W	07 Jan 2022	38 - 39.5	2.92%	Dec 2021	36.75 - 38.5
MB-FEU-0003	Ferro-tungsten export, min 75% fob China, \$/kg W	05 Jan 2022	38.5 - 40.5	0.00%	Dec 2021	38.1 - 40.1

Vanadium pentoxide/ferro-vanadium

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-V-0001	Vanadium pentoxide 98% V ₂ O ₅ min, in-whs Rotterdam, \$/lb V ₂ O ₅	07 Jan 2022	8.5 - 9	0.00%	Dec 2021	8.5 - 9
MB-V-0002	Vanadium pentoxide 98% V ₂ O ₅ min, fob China, \$/lb V ₂ O ₅	06 Jan 2022	8.77 - 8.92	-0.34%	Dec 2021	8.76 - 8.91
MB-V-0004	Vanadium pentoxide 98% V ₂ O ₅ min, exw China, yuan/tonne	06 Jan 2022	123000 - 125000	-0.60%	Dec 2021	122900 - 125000
MB-FEV-0002	Ferro-vanadium 70-80% V, in-whs Pittsburgh, \$/lb	06 Jan 2022	15 - 15.25	0.33%	Dec 2021	14.9 - 15.25
MB-FEV-0001	Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V	07 Jan 2022	33 - 33.5	0.00%	Dec 2021	32.28 - 33
MB-FEV-0003	Ferro-vanadium 78% V min, fob China, \$/kg V	06 Jan 2022	37.79 - 38.81	-0.05%	Dec 2021	37.78 - 38.52