

All metals news

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Top stories

US P1020 premium up; large buyers said short

By Orla O'Sullivan - Friday 07 January

The United States' Midwest aluminium premium rose on Friday January 7, with trade resuming in the new year and two large consumers said to be short 100,000 tonnes apiece for 2022.

Fastmarkets assessed the [aluminium P1020A premium, ddp Midwest US](#) at 30.50-32.25 cents per lb on Friday, up by 4.60% from 29-31 cents per lb on January 4 .

The premium had been flat in the four assessments following that on December 21, with almost no trades reported during a year-end trading lull.

Since January 4, several trades at or near 100 tonnes were reported to Fastmarkets and some traders said they had raised their offers to 32 cents per lb for larger volumes.

"Two big consumers are supposed to be short over 100,000 tonnes each for next year," one trader said, adding that whatever quantities the unnamed companies buy will be staggered throughout the year.

A second trader heard similar talk. "Everyone's short, it's not just one or two companies," he said.

The shortage in the US has worsened in recent years, the second trader said, citing a lack of domestic aluminium production, little material in US warehouses and limited supply coming to the US - partly due to Section 232 import tariffs.

Midwest premium futures prices on the Chicago Mercantile Exchange have also risen, a third trader said.

"Forward premiums are being indicated as more than 32 cents [per lb] for February, so there's no reason to sell below 32 cents [per lb]," this source said.

Many buyers told Fastmarkets that they are being quoted upward of 30 cents per lb.

A tug of war between US aluminium market bulls and bears seemed to have ended on December 17, when Fastmarkets' Midwest premium assessment rose following a decline to what some said were [unsustainably low levels in early December](#).

The premium had been gaining ground over the course of 2021, through October 26, when it peaked at 34.75-36.00 cents per lb - the highest level since Fastmarkets' began assessing the market in January 2003.

CME busheling futures trade 1,231 lots

By Amy Hinton - Friday 07 January

CME Group's busheling futures contracts traded 1,231 lots (24,620 gross tons) on Thursday January 6, up by 1,026 lots from 205 lots in the previous session.

The front-month January contract traded 70 lots and closed at \$574 per ton, down by \$10 per ton from the previous session, according to a [daily report](#) from the exchange.

The February and March contracts traded 71 lots and 145 lots respectively, with the former closing down by \$10 per ton at \$580 per ton and the latter down by \$5 per ton at \$585 per ton in the same comparison.

The April-June contracts all closed unchanged at \$590 per ton day on day, with April trading 80 lots and next two months 55 lots each.

The July-November contracts traded 130 lots apiece before closing at \$585 per ton, all unchanged. The December contract traded 105 lots and closed unchanged at the same price.

Open interest stood at 5,806 lots, or 116,120 tons, up by 1,044 lots from 4,762 lots [during the previous session](#).

[Detroit entered the January ferrous scrap trade](#) in the United States down by \$60 per ton on prime grades, including No1 busheling, on Friday January 7.

If the initial trend takes hold, Fastmarkets' assessment of the [steel scrap No1 busheling, consumer buying price, delivered mill Chicago](#) will be \$520 per ton in January compared with \$580 per ton on December 6.

CME's busheling futures contracts are settled against Fastmarkets' [steel scrap No1 busheling, index, delivered Midwest mill](#), which was calculated at \$603.81 per ton on December 10, up by 0.30% from \$602.02 per ton on November 10.

Detroit kicks off US scrap trade down \$60/t

By Lisa Gordon - Friday 07 January

The lights have officially turned on in the Detroit ferrous scrap market, with three steel producers entering the market and successfully locking in tons at prices that are down \$60 per gross ton across the board compared with the December trade.

The news was a welcome relief to many who feared the start of monthly negotiations would drag until Monday January 10.

"There was enough scrap overhanging the market to justify accepting this," a seller into the Midwest said.

Oddly enough, the shredded shortage has evaporated, with plenty of material available.

Fastmarkets' assessment of the [steel scrap shredded auto scrap, consumer buying price, delivered mill Detroit](#) was at \$520 per ton during the November and December trade. If the new price is confirmed, that will move to \$460 per ton.



The prices are expected to be readily accepted in the market, since it is common knowledge that scrap supply is outweighing demand.

The **monthly trade has more than its share of challenges** due to an anemic US export market and domestic mills suffering from thinning order books, falling steel prices, production issues or just holding too much higher-priced raw material inventory.

In the South, meanwhile, buyers and sellers are indicating that the market will not be down to the same degree as Detroit.

A decline of "\$60 a ton is unrealistic in the South, and we will see how it plays out. But we are not sellers at that nonsense," a southern seller source said.

"I am thinking we are going to be \$10... better than Detroit," a second seller in the south said.

Two consumers in the South said they are meeting fierce resistance and have been told that if they don't pay down \$40 per ton they should not expect to see any scrap.

A few spotty sales in the South have dribbled into the market at smaller declines for the secondary grades.

No1 heavy melt sales have been reported in Georgia and South Carolina at down \$40 per ton on trend compared with December.

In Arkansas and Tennessee, No1 HMS sales have been reported down \$40 per ton and \$50 per ton respectively.

BFA prices post fifth fortnightly drop despite Covid outbreak, winter closures in Henan

By Davide Ghilotti, Sybil Pan - Friday 07 January

China's brown fused alumina (BFA) prices continued to fall in the fortnight to Thursday January 6 due to slow spot liquidity at home and abroad. White fused alumina (WFA) also dipped after holding stable in the previous session, and bauxite held firm on limited availability projections.

Fastmarkets' price assessment for **alumina, fused brown, min 95% Al₂O₃, refractory sized (0-6mm), fob China** narrowed downward by \$20 per tonne to \$940-980 per tonne on Thursday, from \$940-1,000 per tonne in the previous assessment. The latest assessment is down by 12.73% from the record high of \$1,050-1,150 per tonne reached on October 28.

Meanwhile, the price for **alumina, fused brown, min 95% Al₂O₃, FEPA F8-220 grit, fob China** was assessed at \$1,000-1,090 per tonne on Thursday, down by \$10 per tonne from \$1,010-1,100 per tonne a fortnight ago. The latest assessment marks a decline of 16.4% from \$1,150-1,350 per tonne at the end of October.

The price for **alumina, fused white (WFA), 25kg bags, cif Europe** was assessed at €930-1,080 (\$1,051-1,220) per tonne on Thursday, down by €10 per tonne from €940-1,090 on December 23 and also falling by 7.8% from the historical high of €1,060-1,120 per tonne reached on October 28.

BFA and WFA prices have been on a downward trend since last November, gradually wiping out gains from the historical highs reached amid China's power shortage issues during the previous quarter.

The price falls come despite the widespread operational shutdowns in main production areas in China's Henan province, as well as a recent Covid-19 outbreak in some cities of the province.

Counterintuitive as it might be, inputs reported for both BFA and WFA are showing an unanimously downward adjustment as the highest price indications are coming off and narrowing the spread between the top and bottom of the market.

Sources attributed this trend to the seasonal slowdown in inquiries and overall trading activity at the beginning of the year, following last-minute spot orders that consumers put through before the Christmas break in mid-December.

"There are mainly domestic shipments being arranged [at the moment]. For the international markets, there are only sporadic deals. It's been very quiet these days... And there's the coming Chinese lunar new year holidays [when shipments ground to a halt]," a fused alumina producer source said.

One source outside China said that "new corrections to the price after the peaks of last year can't be ruled out."

Despite the sluggish sentiment in the immediate term brought about by slow spot liquidity, sources are expecting a stronger market performance within the first quarter of 2022 given the supply availability concerns brought about by two concurring factors: the winter closure period in China's producing areas and the Winter Olympics which run from February 4 to February 20. Worries are also arising from the occurrence of new outbreaks of Covid-19 in Henan.

Fused alumina operations in major production regions like Zhengzhou and Sanmenxia have already been **disrupted by winter anti-pollution controls** since the end of November with only minimum level of production output.

"Prices for fused alumina were down a bit in the past two weeks. But there could be some upward adjustment when anti-pollution controls get tougher," a second producer source in China said.

"There is demand and we expect further price upticks because of the ongoing logistics issues and China winter closures during the Lunar New Year and Winter Olympics. You may see some downtrend in the immediate term, but we expect this to change later in the quarter," a trader in Europe said.

Furthermore, Henan reported 56 domestically transmitted Covid-19 infections with confirmed symptoms on Thursday, up from just four two days earlier, according to official data. One source in Europe commented any new Covid-related issue in China "would have a bullish impact on sentiment and prices."

Nevertheless, at least three producers in Zhengzhou, the capital city of Henan province, said that current impact on the market is limited. Sources said logistics has not been affected, while any restrictions are for now applying only to the affected regions and some public areas.

Most operations were already closed in line with the winter months environmental regulations, participants added.

Bauxite firm with supply risk

Fastmarkets' assessment for all four grades of bauxite remained stable during the past fortnight to Thursday due to slow trade flows and concern over supply in Shanxi, a major production hub.

Inputs received for the past two weeks suggested firm market sentiment amid operation closures for mining and bauxite calcinations in Shanxi province, as well as the looming impact of the upcoming Winter Olympics.

At least three sources in China said that the operational halt would last until the middle of March, the end of the winter closure season, which means that there would be limited new output of bauxite ready in the market.

"The market is quiet now. There could be some movement by the end of the month with all those supply risks around," a bauxite source in China said.

Meanwhile, consumers outside China are expressing concerns over shipment in the new year against the backdrop of logistics disruption and China's environmental inspections.



"You'll have first cargo ready for shipping not before end of March. And then shipping to Europe now takes much longer than before. If you are a buyer in Europe, you won't see your cargo until May or June," a second trader in Europe said.

A third distributor added that the end of the first quarter and the whole of the second quarter "could be really tight for supplies."

Fastmarkets assessed the price for [bauxite, refractory-grade, 85%/2.0/3.15-3.2 \(0-6mm\), fob Xingang](#) at \$450-460 per tonne on Thursday.

The assessment for [bauxite, refractory-grade, 86%/2.0/3.15-3.2 \(0-6mm\), fob Xingang](#) was at \$460-480 per tonne on the same day while that for [bauxite, refractory-grade, 87%/2.0/3.15-3.2 \(0-6mm\), fob Xingang](#) was at \$480-500 per tonne.

The assessment for [bauxite, refractory-grade, 88%/2.0/3.15-3.2 \(0-6mm\), fob Xingang](#) was at \$500-520 per tonne.

All four grades are unchanged from the previous assessments a fortnight ago.

Base metals

Disruptions at ERG's Kazakh chrome ops end, all other assets normal

By Andrea Hotter - Friday 07 January

Temporary disruptions caused by unrest at Eurasian Resources Group's (ERG) Donskoy Ore Mining and Processing Plant in the Aktobe region of Kazakhstan have been resolved, with production processes continuing as normal, the company said.

The issues at Donskoy, which is part of TNC Kazchrome JSC, were settled by ERG and Kazchrome's senior management, ERG noted on Friday January 7.

Donskoy is one of the world's largest chrome ore mining plants, with most of its production going to ferro-alloy plants in Aksu and Aktobe. It has an annual production capacity of 5.64 million tonnes.

Kazakhstan has been roiled with [unrest that began over rising fuel costs](#) and has since escalated to become broader protests against the government.

All ERG's enterprises in Kazakhstan are now continuing to operate as normal with the situation at all assets under control, the company added.

"With regard to the current political events in Kazakhstan, ERG confirms that the situation at all of our Kazakh enterprises is stable and in order," it said in a statement.

"The group has taken all necessary steps to avoid disruption to the normal course of business, deal with localized issues and minimize the impact of external factors on our enterprises," ERG added.

Aside from Donskoy, ERG's major assets in Kazakhstan include iron ore enterprise Sokolov-Sarbai Mining Production Association, alumina producer Aluminium of Kazakhstan, aluminium producer Kazakhstan Aluminium Smelter, power supplier Eurasian Energy Corporation, thermal coal producer Shubarkol Komir and transportation company TransCom.

Aluminium low-carbon differentials flat; strong AI demand

By Alice Mason - Friday 07 January

Fastmarkets' low-carbon aluminium differentials remained firm this month with underlying premiums rising.

Fastmarkets assessed the [aluminium low-carbon differential P1020A, Europe](#) at \$0-10 per tonne on Friday January 7, flat from the previous assessment.

"You can still achieve a small premium for primary aluminium units in Europe and I think the market will keep growing; its one to focus on this year," a trader said.

Some market participants noted that rising P1020A premiums meant that there was less focus on achieving low-carbon differentials this month.

"People are still interested in low-carbon aluminium but with rising premiums the focus has shifted. We came back from the holidays and units were a bit tougher to find and now people are just looking make sure they have enough stock rather than being picky," a second trader said.

Fastmarkets assessed its [aluminium P1020A premium, in-whs dp Rotterdam](#) at \$415-450 per tonne on Friday, up by \$135-150 per tonne from \$280-300 per tonne on December 7.

But the aluminium market has kept a strong focus on sustainability with several new projects announced.

In December, Russian producer Rusal announced that it had opened the [first phase of a new low-carbon aluminium production plant](#) at the Taishet smelter in Siberia. The smelter will operate on clean energy obtained from Siberian hydroelectric power plants and is expected to produce 428,500 tonnes of low-carbon aluminium per year once fully operational.

South32 and Alcoa also announced they would [restart production at the Alumar aluminium smelter](#) in Brazil. South32's 40% share of Brazil Aluminium will be powered by 100% cost-efficient renewable power, it said.

For the value-added product market, deals were reported this pricing session without our range with primary foundry alloy and billet continuing to command a low-carbon differential.

Fastmarkets assessed the [aluminium low-carbon differential, value-added product \(VAP\), Europe](#) at \$20-30 per tonne on Friday, flat from the month before.

Some participants were still expecting higher upcharges heading in 2022 when the majority of consumers return to the market after the year-end holidays.

Inferred low-carbon aluminium midpoint calculations

The figures below were all derived on January 7:

[Aluminium P1020A premium, in-whs dup Rotterdam, inferred low-carbon midpoint](#): \$315 per tonne

[Aluminium P1020A premium, in-whs dp Rotterdam, inferred low-carbon midpoint](#): \$437.50 per tonne

[Aluminium 6063 extrusion billet premium, ddp Italy \(Brescia region\), inferred low-carbon midpoint](#): \$1,545 per tonne

[Aluminium 6063 extrusion billet premium, ddp North Germany \(Ruhr region\), inferred low-carbon midpoint](#): \$1,545 per tonne

An inferred number is a calculation using existing Fastmarkets numbers. The inferred prices take the midpoint of the underlying premium and adds the midpoint of the relevant low-carbon aluminium differential.

Holiday pricing schedule for 2022

By Fastmarkets MB staff - Friday 07 January

Fastmarkets holiday pricing schedule for 2022 is available online.

Click on the image below to view the Fastmarkets holiday pricing schedule for base metals, minors, ores & alloys and industrial minerals, and ferrous prices for 2022.



If you have any questions about Fastmarkets' pricing calendar, please contact Fastmarkets global base metals editor Juliet Walsh at juliet.walsh@fastmarkets.com, Fastmarkets global minor metals, ores & alloys and industrial minerals editor Fleur Ritzema at fritzema@fastmarkets.com or global steel editor Andrew Wells at andrew.wells@fastmarkets.com.

Fastmarkets has aligned the pricing holiday schedule of the cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end) to public holidays in England and Wales, rather than those in China. The change came into effect on Saturday January 1, 2022.

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

Copper TC/RC ticks up; spot market illiquid

By Sally Zhang, Julian Luk - Friday 07 January

Spot trading interest remained limited in the first week of 2022 with a marginal increase in the copper concentrate treatment charge/ refining charge (TC/RC) index.

COPPER CONCENTRATE TC INDEX (cif Asia Pacific, \$/tonne)			
New price	Previous price	Change	% Change
58.7	57.7	1	▲ 1.73

COPPER CONCENTRATE RC INDEX (cif Asia Pacific, US cents/lb)			
New price	Previous price	Change	% Change
5.87	5.77	0.1	▲ 1.73

Source: Fastmarkets

Fastmarkets' assessment of the copper concentrates TC index, cif Asia Pacific rose for the fourth consecutive week in an illiquid market. Bids came at close to pricing floor of \$70 per tonne/ 7 cents per lb with traders offering at low \$60s per tonne for standard clean concentrate.

Counter-party spread for January normalization is \$9.58 per tonne between smelter and trader, down from \$10.45 per tonne for last month. The copper value in use (VIU) coefficient is \$-0.45 per tonne for January, versus \$0.28 per tonne in December.

This week, Peru's major copper mine Las Bambas resumed normal operations.

Supply concerns rose in Central Asia after the unrest over surging fuel costs in Kazakhstan led to partial disruption of transport systems, with the suspension of logistics facility including airport in Almaty and Chinese border in Korghas.

Other coverage in the week:

Jinchuan's Yang to lead Chinese copper smelter alliance in 2022 after tied vote a year ago

China's Ningbo port ops slow amid Covid restrictions

Malaysia to have world's strictest scrap import standards starting next week

Aerospace copper alloy maker Busby Metals latest in Wieland buying spree

People moves: the first seven days of the year saw a few major moves in the copper circle.



Base metal stocks in LME warehouses fall in 2021 for all metals except tin

By Imogen Dudman, Callum Perry - Friday 07 January

The London Metal Exchange released its 2021 warranted stock summary report on Wednesday January 5, providing a breakdown of warranted deliveries to and from LME-approved locations for the calendar year of 2021.

Total stock levels were depleted throughout 2021 across the base-metals complex due to tight supply and logistics challenges globally pressuring LME inventories of key metals.

Aluminium

The three-month aluminium contract closed the year at \$2,807.50 per tonne on Friday December 31 after gaining 38.2% over the course of the year and remaining one of the strongest performing metals on the LME.

Inventory levels for the lightweight metal fell to a 14-year low of just over 880,000 tonnes in December, the lowest stock level since September 2007.

The most significant withdrawal of material was made from Port Klang, Malaysia, where 1,159,525 tonnes were removed from LME warehouses during 2021, data released by the LME showed.

A further 1,124,550 tonnes were delivered in, and Port Klang closed the year having moved over 60% of all aluminium.

The Malaysian port experienced a deficit of more than 34,000 tonnes of material, and closing stock levels of the lightweight metal were reported at 675,275 tonnes.

With strong demand and a recovering economy, aluminium premiums in the physical market rose as a result of depleted LME inventories and long queues for delivering material.

Fastmarkets assessed [aluminium P1020A premium, in-whs dp Rotterdam](#) at \$390-420 per tonne on Friday December 31, up by over \$200 per tonne from \$145-155 per tonne on January 4, 2021.

Copper

The copper market experienced significant volatility in stock levels during the second half of 2021, with the LME forced to introduce [temporary measures in October](#) to cool the market after available stock levels fell to their lowest since 1974.

LME copper stocks began the year at 105,800 tonnes, and over the course of 2021 a further 491,150 tonnes were delivered into warehouses, with 511,725 tonnes delivered out. The final stock level at the end of December was 88,725 tonnes.

The three-month copper price closed the year at \$9,755 per tonne, an increase of 24% across the year from \$7,856 per tonne on January 4, 2021.

Nickel

Nickel stocks also declined significantly throughout 2021, with 213,246 tonnes removed over the course of the year, compared with 66,522 tonnes delivered in. The most significant withdrawals were made from Rotterdam, Kaohsiung and Singapore, which accounted for 123,258 tonnes combined.

Total LME stocks started 2021 at 247,980 tonnes and closed at 101,256 tonnes, the lowest since December 2019.

The global nickel market experienced a supply deficit of 157,000 tonnes in 2021, Fastmarkets research showed, with these figures reflected in current [high physical premium levels globally](#).

Nickel briquette premiums in [Shanghai](#) and [Rotterdam](#) closed 2021 at year-high levels of \$400-500 per tonne and \$150-170 per tonne respectively.

The tightness in nickel supply was also reflected in the futures market, with the three-month LME nickel price rising by 19% across the year, from \$17,375 per tonne to \$20,705 per tonne on December 31.

Zinc

Global zinc stocks remained at steady levels across 2021, with levels closing just 2,705 tonnes lower at the end of the year. Zinc stocks began 2021 at 202,075 tonnes and closed at 199,325 tonnes. 273,600 tonnes were delivered into global warehouses, with 276,350 tonnes delivered out.

The significant trend in zinc stocks has been the drawdown of material within Europe, with just 1,650 tonnes remaining in warehouses in the region at the end of 2021. This compared with 32,425 tonnes at the start of the year.

This acute tightness has been reflected in premiums within the region, which are near record levels. The most recent Fastmarkets assessment of the [zinc SHG min 99.995% ingot premium, dp fca Rotterdam](#), on January 4, 2022, was \$290-320 per tonne.

Lead

Lead also experienced a significant drawdown of stock, beginning the year at 133,175 tonnes and closing at 54,375 tonnes. 63,425 tonnes of the heavy metal were delivered into warehouses versus the 142,225 tonnes delivered out. This is despite the Zinc and Lead Study Group estimating that the lead market was in a 14,800-tonne surplus for the first ten months of 2021.

This strong demand for lead is reflected in the three-month price, which rose 10% across 2021, from \$2,065 per tonne to \$2,290.50 per tonne on December 31.

Tin

Tin is the only metal to close the year with higher stock levels than at the start of the year. And this is after seeing a record year in terms of price. The three-month LME tin price rose 84% across the year following significant market tightness and strong demand, to close at \$38,985 per tonne, compared with \$20,970 per tonne on January 4, 2021.



Tin stocks began the year at 1,860 tonnes, with 9,045 tonnes delivered into warehouses. Stocks closed at 2,045 tonnes following 8,860 tonnes delivered out.

Proposal to discontinue Turkey aluminium primary foundry alloy silicon 7 ingot premium

By Justin Yang - Friday 07 January

Fastmarkets proposes to discontinue the aluminium primary foundry alloy (PFA) silicon 7 ingot premium, cif dup over P1020A turkey.

The proposal for discontinuation comes after a consistent lack of spot liquidity, specifically for the Turkey PFA premium. No changes are proposed for the Germany and Eastern Europe PFA premiums, because liquidity and engagement remain strong in those markets.

Fastmarkets is seeking feedback on its proposal to discontinue the aluminium PFA silicon 7 ingot premium. The assessment, which aims to assess the premium for PFA in Turkey, is published on the second Friday of every month.

The consultation period for this discontinuation will end four weeks from the date of this pricing notice on Friday February 4, with changes taking place, subject to market feedback, from Monday February 7.

To provide feedback on this proposal or if you would like to provide price information by becoming a data submitter, please contact Alice Mason by email at: pricing@fastmarkets.com. Please add the subject heading 'FAO: Alice Mason, re: Aluminium primary foundry alloy silicon 7 ingot premium, cif dup over P1020A Turkey'.

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

Q1 MJP settlement departs from year-long uptrend, concludes at \$177/t

By Liz Ng - Friday 07 January

Fastmarkets has settled its premium for the supply of aluminium to main Japanese ports (MJP) in the first quarter of 2022 at \$177 per tonne over the London Metal Exchange cash price.

The first-quarter premium, at \$177 per tonne, is 18.6% lower than the fourth-quarter benchmark of \$215-220 per tonne, signalling subdued buying interest compared with the fourth-quarter negotiations. It is up by 36.1% compared with the \$130-per-tonne premium in the [first quarter of 2020](#).

The settlement at \$177 per tonne comes after the [aluminium P1020A \(MJP\) quarterly premium, cif Japan](#) has climbed for five straight quarters, reaching repeated record highs since the second quarter of 2021 after settling at [\\$148-149 per tonne](#) on March 29, 2021.

Producers had already lowered the initial offer from [\\$195 to \\$185 per tonne](#) in the week ended December 24 after gaining no traction in a lukewarm market.

The first deal concluded [almost a week later](#) at \$177 per tonne. Over 50,000 tonnes of producer-to-consumer deals, not including double counting, were reported to Fastmarkets during the quarter, similar to previous quarters.

The majority of business reported to Fastmarkets was at [\\$177 per tonne](#), verified by various counter parties on both ends of the transactions. At least two non-producer deals of standard tonnage were also concluded at \$177 per

tonne.

The bulk of these volumes were concluded at \$177 per tonne despite the high initial offer, which some traders took to be producers' implicit acknowledgment of a lackluster market and general uncertainty in aluminium demand for 2022.

"I was quite surprised, because in the past when neither parties were keen, consumers usually blinked [caved in] first. Or risk having offers revised upwards," a Japan-based trader shared, citing third-quarter negotiations when one western aluminium producer increased its initial offer [by \\$5 per tonne](#) after failing to gain buying interest in the market.

Other non-producer deals were reported at \$160-165 per tonne, but the majority of market participants told Fastmarkets that they believed the bulk of first-quarter business was concluded at \$177 per tonne and above. Fastmarkets could not independently verify the deals at \$160-165 per tonne at the time of publication.

While quarterly negotiations traditionally take place between major overseas producers and Japanese end users, traders have become more active in transacting volumes in recent years.

The settlement is in line with [Fastmarkets' methodology](#), which requires a minimum total quarterly transaction volume of 30,000 tonnes to be reported throughout the negotiation period with confirmed deals from at least one producer, one consumer and one trader. The benchmark is assessed based on deals reported, as well as bids and offers, giving a weighted preference to reported transactions.

Codelco signs labor deal with union at Gabriela Mistral division

By Renato Rostás - Friday 07 January

Chilean state-owned copper producer Codelco has signed a 36-month agreement with the Gabriela Mistral workers' union, the company said on Friday January 7.

The terms of the deal included no significant salary increase, but did offer a settlement bonus of 5.55 million Chilean pesos (\$6,616) for each employee on top of undisclosed benefits and various incentives.

Gabriela Mistral is a division of Codelco comprised of an open-pit copper mine located in Chile's northern Antofagasta region with associated solvent extraction and electrowinning (SX/EW) cathode production.

Its copper output was 102,100 tonnes in 2020 and 89,200 tonnes in January-November 2021.

The agreement, Codelco said, concluded all labor negotiations started in 2021 with employees at Gabriela Mistral.

Fastmarkets' latest assessment of the [copper grade A cathode premium, cif Shanghai](#) was \$65-82 per tonne on January 7, down by \$1 from \$66-83 per tonne the previous day and \$3-6 lower than \$68-88 per tonne a week before.



China's Ningbo port ops slow amid Covid restrictions

By Julian Luk - Friday 07 January

Base metal importers are experiencing slight delays in the process of claiming their cargoes from the major port of Ningbo in China's Zhejiang province after it increased restrictions amid rising cases of Covid-19.

"We are experiencing delays in Ningbo due to Covid. Consumers are needing several days to clear their containers and a backlog is starting to build up," a scrap supplier source based in Asia said.

"It's slow but things are still working. Some of our goods arrived at Ningbo port today. We were just told that we could take it three days later; normally we could claim it on the same day," a base metals trader source in China said.

Of the five container terminals in Ningbo, three terminals are located near Beilun district, where the authority said more than 30 new cases have been confirmed over the past few days.

Loading and discharge operations were still normal as of Thursday January 6, but gate-in and gate-out operations are restricted to limit personnel contact, according to shipping company Maersk.

Ningbo is home to China's biggest copper fabricator, Ningbo Jintian, which is also one of the world's biggest buyer of copper scrap.

Fastmarkets assessed [No1 copper material, RCu-2A,1B \(candy/berry\), cif China, LME/Comex discount](#) at 9-13 cents per lb on December 27, 2021, unchanged from a month earlier.

Malaysia to have world's strictest scrap import standards starting next week

By Julian Luk - Friday 07 January

As of next week, the Malaysian government will enforce new scrap import guidelines which are widely opposed by the local recycling industry.

The Guidelines for the Importation and Inspection of Metal Scrap and Waste Paper will come into effect on Monday January 10, 2022, the Ministry of International Trade and Industry (MITI) said in an announcement at the end of 2021.

The new policy has set a 0% impurity threshold - a higher bar than in China, Indonesia and other scrap processing countries - for three major scrap import products into Malaysia. They include "ferrous waste and scrap; remelting scrap ingots of iron or steel" (HS Code 7204), copper waste and scrap (HS Code 7404) and "aluminium waste or scrap" (HS Code 7602).

Local industry bodies, such as the Malaysia Non-Ferrous Metals Association (MNMA), have warned that this ambitious policy **will mean an outright cut in supplies** of copper, aluminium and steel raw materials to Malaysia, which is a regional recycling hub and has been the principal destination for US aluminium scrap exports since the Sino-US trade war.

For the first ten months of 2021, Malaysia took in 426,146 tonnes of aluminium scrap from the US, **an increase of 23.05% year on year.**

MNMA told Fastmarkets on Friday January 7 that it is sending a petition to Malaysian prime minister Ismail Sabri Yaakob requesting he eliminate this guideline, which it described as "drafted without in-depth industry and relevant standards."

The industry body cited potential "catastrophic impact on upstream operators," job losses and business closures as possible outcomes of the new policy.

Editor's note: The final two paragraphs of this article were updated on Friday January 7 to reflect new information about the policy.

Chrome, nickel set to benefit as China's decarbonization push spurs stainless steel capacity growth: 2022 preview

By Siyi Liu, Jessica Zong, Yingchi Yang - Friday 07 January

With decarbonization remaining a top priority in China's ferrous and non-ferrous industries, stainless steel - due to its durability and full recyclability - stands out as a sustainable material that is set to gradually grow in popularity in the coming years, according to market sources.

At the same time, opportunities for stainless steel producers in the country to expand their capacity given this increased popularity would also drive fresh demand for upstream products such as nickel pig iron (NPI) and ferro-chrome, sources added.

The average carbon dioxide (CO₂) emissions from steel production is about 1.85 tonnes CO₂ per tonne of steel produced, according to the World Steel Association (WSA). This compares with an average of 2.23 tonnes for each tonne of stainless steel produced.

"But considering its durability, stainless steel is obviously environmentally friendly," Shaoliang Zhong, deputy director general of the WSA's Beijing office, said at the China Stainless and Special Alloy Industry Forum in October.

For example, to achieve a 150-year lifecycle for a piece of machinery, the CO₂ emissions will be 3.3 tonnes for each tonne of stainless steel used, while that for one tonne of carbon steel will be 4.3 tonnes and that for one tonne of aluminium alloys will be 8.5 tonnes, Zhong said.

In addition, stainless steel can decrease the lifecycle cost of a product by 30% compared with other materials because of its superior durability, he added.

Stainless steel capacity to rise

While stainless steel production in China stands to benefit from the country's push for decarbonization, the post-pandemic economic recovery, especially in Europe and the United States, may also lead to a significant increase in demand for stainless steel, which will in turn drive Chinese exports of the material, market participants said.

Amid this bullish demand outlook, a number of stainless steel mills in China have already made plans to ramp up their capacity, with the country's crude stainless steel capacity set to rise by around 15 million tonnes in the next two years, according to data from local government departments of Industry and Information Technology.

The details are as follows.



KEY UPCOMING STAINLESS STEEL PROJECTS IN CHINA

Mill	Capacity (tonnes per year)	Estimated start of production
Jiangsu Delong Nickel Industry	1.35 million	first quarter of 2022
Jiangsu Zhongtuo Stainless	410,000	first quarter of 2022
Shandong Xinhai Industry	460,000	July 2022
Jiangsu Liyang Baorun Steel	2.76 million	December 2022
Fujian Tsingshan Stainless Steel	900,000	July 2023
Shandong Linyi Steel	1.7 million	undisclosed
Guandong Tsingshan	4 million	undisclosed
Baowu Desheng Stainless Steel	3.22 million	undisclosed

Source: Local government departments of Industry and Information Technology

With stainless steel production set to climb, market participants are mostly pessimistic in their outlook for prices in the first quarter of 2022, especially when compared with the multi-year highs reached in September 2021 due to short supply caused by an electricity crunch across the country.

Fastmarkets' assessments for [stainless steel cold-rolled coil 2mm grade 304 domestic, ex-whs China](#) averaged 17,634 yuan (\$2,764) per tonne in 2021, this being the highest since 2012, when it averaged 18,717 yuan per tonne.

"In the second half of 2021, crude stainless steel production [in China] was at a low level of around 2.3 million tonnes per month due to the lack of power supply and the decarbonization, compared with the high level of 2.7 million tonnes per month in the first half year," an industry analyst said.

But the electricity shortage was resolved in November and China achieved its goal of no annual steel production rise in 2021, so market participants expect stainless steel production will gradually rise, which will weigh on prices.

"Production rises will put stainless steel prices under pressure," a stainless steel trader in eastern China said. "Nevertheless, it is good for raw material suppliers."

Chrome, nickel to benefit

In the past two to three months, weak demand from the downstream stainless steel sector has led to soft performances in chrome and nickel raw material markets.

In December, major Chinese stainless steel mills Tsingshan Group, Taiyuan Iron & Steel (Tisco) and Baosteel Group [lowered their tender prices for high-carbon ferro-chrome](#) by 895 yuan per tonne from the previous month.

And Tsingshan's latest tender for January-delivery high-carbon ferro-chrome was [down by another 1,400 yuan per tonne](#).

Meanwhile, the domestic NPI price in China rebounded in late December after retreating from the all-time high reached in October, and ferro-nickel flipped back to discount again last month amid weak year-end demand.

[Ferro-nickel had commanded a premium of \\$100 per tonne](#) in September and October last year, a time of tight supply and high demand. Prior to this, ferro-nickel had last held a premium in July 2018, according to Fastmarkets' assessments.

"In 2021, domestic Chinese NPI production had been in decline due to ore shortages, low average ore grades and more recently energy and emissions restrictions. At the same time, demand for NPI from stainless steel mills had been strong. These fundamentals underpinned the rise in NPI prices to record high levels last year," Andrew Cole, Fastmarkets senior base metal analyst, said.

"But the seasonal peak is gone, especially because we saw a downward trend in stainless steel prices in the fourth quarter of 2021 so our NPI price forecasts

for the first few months in 2022 will still show a weak performance, but prices could go strong again around March," Cole added.

Many market participants expect China's NPI and ferro-nickel markets to remain steady at least until the Lunar New Year holidays (January 31-February 6) but noted there may be an increase in spot activity ahead of this because stainless steel mills need to restock before the break.

Fastmarkets' price assessment for [nickel pig iron, high-grade NPI content 10-15%, spot, ddp China](#) averaged 1,273.35 yuan per tonne 2021, up by 242.92 yuan per tonne from 1,030.43 yuan per tonne in 2020.

Fastmarkets' monthly assessment of the [ferro-nickel premium/discount, 26-32% Ni contained, cif China](#) averaged a discount of \$1,254.17 per tonne 2021, narrowing by \$216.67 per tonne from \$1,470.84 per tonne in 2020.

After the Lunar New Year, demand also is likely to pick up with mills procuring feedstock ahead of the traditional peak season in May as well as building up stocks ahead of the scheduled capacity rise owing to the aforementioned new projects coming onstream, market sources said.

Chrome, nickel supply in question

But the question remains whether healthy demand in the foreseeable future can be translated into an incremental price gain for these relevant products given supply uncertainties, participants told Fastmarkets.

"Energy-related policy will continue to overhang the ferro-alloys markets," a ferro-chrome producer source said. "Given the higher electricity rates in main production regions and possibility of more stringent production constraints, it'd be unlikely for prices to fall back to a level 5,000-6,000 yuan [per tonne] like in past years."

Fastmarkets' weekly price assessment of [ferro-chrome spot 6-8% C, basis 50% Cr, ddp China](#) averaged 9,068 yuan per tonne in 2021, up by 3,040 yuan per tonne from an average of 6,028 yuan per tonne in 2020 and up by 2,463 yuan per tonne from the 2019 average of 6,605 yuan per tonne.

The elevated prices, as a result, have incentivized producers to maximize their output, pushing up monthly production to unprecedentedly high levels of 650,000-700,000 tonnes in November and December.

"The demand outlook is bright. But if the currently strong production is maintained and large-sized producers continue to unleash their capacity into the market, prices would be pressured," a ferro-chrome trader in eastern China said.

Similarly, participants remain cautious about the outlook for NPI and ferro-nickel prices because supply of the materials remains uncertain.

In Indonesia, ferro-nickel projects, which had been halted due to either unstable political environment or the energy crisis in 2021, are expected to resume this year. In the meantime, new NPI capacity could be launched in the nickel-rich Southeast Asian country, participants told Fastmarkets.

"Some people are really optimistic about the situation in Indonesia and assume those projects will bring huge amounts of materials [NPI] in 2022 but sometimes things just don't go that smoothly," a source from one of the world's biggest miners told Fastmarkets.

Fastmarkets research forecasts that there will be 1.145 million tonnes of nickel in NPI produced in Indonesia this year after making allowances for disruptions/delays and for NPI-matte conversion, up by 28% from 893,000 tonnes of nickel in NPI in 2021.

There are more NPI capacity additions to follow on from those due online in 2022, so there should also be a growth in 2023-2024, according to market sources.

Fastmarkets research also forecasts that there will be 409,000 tonnes of nickel in ferro-nickel produced globally in 2022, up by 10.3% from 370,800 tonnes in 2021, if some of the disrupted production in New Caledonia and



suspensions caused by the European energy crisis can resume in 2022.

Uncertainty remains on the table

In spite of the pervasive optimism for long-term stainless steel growth, there were several uncertainties weighing on market sentiment, one of which is the impact of Indonesian stainless steel.

Stainless steel production in Indonesia is estimated at 4.92 million tonnes in 2021 and expected to rise to 5.70 million tonnes in 2022, according to a local industry information provider.

Indonesia has increased exports of stainless hot-rolled coil and semi-finished products to China in the past year due to the attractiveness of prices there.

"Imports from Indonesia will continue be active in 2022," an importer in eastern China said.

For instance, China imported 1.18 million tonnes of semifinished products (HS code: 72189100, 72189900) from Indonesia in the first eleven months of 2021, up by 54% from 765,117 tonnes in the corresponding period of 2020, according to customs data.

Meanwhile, some participants argued that it could take quite some time for bullish western markets to benefit the Chinese market amid the global Covid-19 pandemic and inflationary environment.

"How well the recovery of global economy under the new Omicron variant [of Covid-19] will be, whether some countries will tighten monetary policy to curb the recent over-heated commodity prices, and these along with the energy concerns all over the world have made it hard to predict the situation of [the prices of NPI and ferro-nickel in] 2022," a stainless steel mill source told Fastmarkets.

"Meanwhile, the stainless steel market along with NPI, ferro-nickel and ferro-chrome markets had performed too well in 2021, it is not that easy for their prices to reach a new high," he added.

Stocks of SHFE base metals mixed; tin inventories up by 36.7%

By Yiwen Ju - Friday 07 January

Deliverable stocks of base metals in Shanghai Futures Exchange-registered warehouse were mixed in the week to Friday January 7, with tin logging the biggest gain by 36.7% and copper down by 23.6%.

Inventories of the soldering metal have piled up by 463 tonnes, reaching 1,723 tonnes, an increase from 1,260 tonnes the previous week.

The largest inflow was from Guochutianwei warehouse in Shanghai, where volumes were up by 214 tonnes from 646 tonnes the week before, the exchange's weekly stocks report showed.

Market participants largely don't attribute this increase to any improvement in tin's supply, however, but rather to speculative activities.

"The delivery date is approaching, so speculative shorts who are squeezed by the longs have to deliver stocks gradually ahead of that," an analyst said.

In comparison, copper is crowned to record the biggest decrease in inventories, with a 9,000-tonne drop from 38,182 tonnes to 29,182 tonnes. This is due primarily to stocking-up activities ahead of the Chinese New Year, Fastmarkets understands.

Other base metal stock changes

- Nickel stocks down by 198 tonnes (3.9%) to 4,859 tonnes
- Aluminium stocks down by 8,710 tonnes (2.7%) to 314,859 tonnes
- Zinc stocks up by 6,419 tonnes (11.1%) to 64,336 tonnes
- Lead stocks up by 2,764 tonnes (3.2%) to 89,147 tonnes

China's nickel sulfate price rebounds in first week of 2022; no major impact from Indonesia power tightness

By Yingchi Yang - Friday 07 January

China's nickel sulfate price increased alongside the strong nickel price on the London Metal Exchange in the week to Friday January 7.

The spot market revived as well, with some downstream precursor producers stocking up before the Lunar New Year (January 31-February 4).

Fastmarkets assessed the price of **nickel sulfate min 21%, max 22.5%; cobalt 10ppm max, exw China** at 35,000-36,000 yuan (\$5,486-5,643) per tonne on Friday, up by 1,000 yuan per tonne from 34,000-35,000 yuan a week earlier.

Increased production costs due to the high LME nickel price prompted nickel sulfate producers to raise their offer prices, sources told Fastmarkets.

The **three-month nickel** contract on the LME ended the official trading session on Thursday January 6 at \$20,340-20,360 per tonne, down by \$150-160 per tonne from \$20,490-20,500 per tonne a week earlier but up by \$485-515 per tonne from \$19,825-19,875 per tonne a month earlier. The price has been above \$20,000 since December 23, 2021.

"Some offers [of nickel sulfate] have even been heard at 37,000 yuan per tonne now, but it is not possible for buyers to accept such a high price level," a downstream precursor producer told Fastmarkets.

"The increase [of the nickel sulfate] price might be temporary, and some downstream precursor producers only stepped into the market lately to pile up some stocks because they hadn't purchased anything since last November when the demand for their precursor products was really weak during year end," he added.

A trader agreed, saying: "If the LME nickel price retreats, the upward trend of the nickel sulfate price can be stopped immediately. But spot trading might remain active before the Lunar New Year."

Many market participants also suggested that since Indonesia is a key provider of nickel sulfate's raw materials, such as mixed hydroxide precipitate (MHP) and nickel matte, the recent tightness in Indonesia's domestic power supplies could affect the supply of those raw materials. So far, however, no major impact has been reported.

"We haven't heard that our Indonesian MHP plants are affected under the power tightness there, and because the production of nickel sulfate is less energy intensive, things shall be fine," an MHP producer told Fastmarkets.

On January 1, Indonesia's Ministry of Energy and Mineral Resources announced a temporary export ban on coal due to concerns that inadequate domestic coal supplies could lead to power outages. The following day, however, the government revised the decision, saying that some companies that had fulfilled their domestic market obligations for January could still export surplus coal.

Indonesia is the world's largest exporter of thermal coal, which is mainly used to generate electricity.



Minor metals

US silicon price holds at all-time high

By Thorsten Schier - Friday 07 January

Silicon prices in the United States remain at an all-time high on tight supply, although some expect prices to fall in the near term.

Fastmarkets assessed the price of **silicon, ddp US** still at \$4.75-5.00 per lb on Thursday January 6, unchanged since it hit that level on December 16.

Sources said the spot market has been relatively quiet in early 2022, with consumers locking up more supply on contract due to the **extreme tightness in the market late last year**.

"I'm talking to people about pricing, but nothing much is happening yet," one trader source said.

Consumers indicated the market as generally still firm around Fastmarkets' existing price level, although one said that the low end might be closer to \$4 per lb now.

One transaction was reported near the high end of Fastmarkets' range this past week.

High silicon prices have driven secondary alloy pricing up as well, with Fastmarkets' assessment for **aluminium alloy A380.1, delivered Midwest** hitting a new all-time high of \$1.42-1.47 per lb on Thursday, up from \$1.40-1.45 per lb previously.

Chinese lithium prices continue rally, nickel sulfate prices up on restocking

By Dalila Ouerghi - Friday 07 January

An overview of the new energy materials markets and their price moves in the week to Friday January 7.

ENERGY TRANSITION RAW MATERIALS - JANUARY 7, 2022				
Metal	Date of latest price assessment	Latest price	% change from previous assessment	Rationale
Cadmium				
Cadmium 99.99% min, of global ports, cents/lb	1/7/2022	130-140	0	The price for Cadmium free market remained unchanged and market participants assessed the market as steady.
Cobalt				
Cobalt standard grade, in-whs Rotterdam, \$/lb	1/7/2022	33.85-34.30	▲ 0.2	Cobalt spot metal prices continue their uptrend amid firm offers in spite of a post-holiday slow market.
Cobalt 99.8% Co min, ex-works China, yuan/tonne	1/7/2022	496,000-506,000	▼ 0.4	Spot prices rose due to higher local futures prices and an increase in the international benchmark metal price; the spot market was active in the second half of the week because buyers feared further price rises and supply shortages due to production stoppages.
Cobalt sulfate 20.5% Co basis, exw China, yuan/tonne	1/7/2022	102,000-103,000	0	China's cobalt sulfate price held steady with buyers cautious and unwilling to accept higher offers.
Cobalt hydroxide index 30% Co min, of China, \$/lb	1/7/2022	29.30-29.30	▲ 4.5	The index rose amid higher offers despite thin buying appetite, with sellers citing logistics disruptions and a tight market.
Cobalt hydroxide payable indicator, min 30% Co, of China, % payable of Fastmarkets' standard-grade cobalt price (low-end)	1/7/2022	88-90	0	The payable indicator held steady over the pricing session in a quiet market with most price indications in the range.
Graphite				
Graphite flake 94% C, -100 mesh, fob China, \$/tonne	1/6/2022	760	▲ 1.3	Prices for fine flake - graphite flake 94% C, -100 mesh, fob China - edged up due to supply tightness following a halt in operations in Heilongjiang and good demand from the spherical graphite sector.
Graphite spherical 99.95% C, 15 microns, fob China, \$/tonne	1/6/2022	3,100-3,300	0	The spherical graphite market remained stable but producers expressed concern about their operations in the first quarter of 2022 due to environmental controls in Luobei, a major production hub for flake fines and spherical graphite.
Lithium				
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot price range exw domestic China, yuan/tonne	1/6/2022	300,000-330,000	▲ 11.9	The spot battery-grade lithium carbonate price in China continued to rise amid even tighter spot availability and firm demand from strong LFP battery momentum and consumers topping up inventories in the year-end.
Lithium hydroxide monohydrate 56.5% LiOH.H2O min, battery grade, spot price range exw domestic China, yuan/tonne	1/6/2022	240,000-250,000	▲ 3.2	China's battery-grade lithium hydroxide price moved up amid tight availability and a rising battery-grade lithium carbonate price.
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot prices of China, Japan & Korea, \$/kg	1/7/2022	40-43	0	The seaborne battery-grade lithium carbonate price held steady while spot units remained tight.
Lithium hydroxide monohydrate 56.5% LiOH.H2O min, battery grade, spot price of China, Japan & Korea, \$/kg	1/7/2022	35-37	0	The seaborne battery-grade lithium hydroxide price held steady while spot supply remained tight.
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot price ddp Europe and US, \$/kg	1/6/2022	34-36	▲ 6.1	Spot lithium prices in Europe and the US continued their uptrend, tracking strength in the Asia market amid tight global spot supply.
Lithium hydroxide monohydrate 56.5% LiOH.H2O min, battery grade, spot price ddp Europe and US, \$/kg	1/6/2022	35-36	▲ 7.6	Spot lithium prices in Europe and the US continued their uptrend, tracking strength in the Asia market amid tight global spot supply.
Spodumene min 6% Li2O min, of China, \$/tonne	1/6/2022	2400.00-2600.00	▲ 8.7	The range moved up in line with higher price indications in a tight market, with rare spot units available.
Manganese				
Manganese 99.7% electrolytic manganese flake, in-whs Rotterdam, \$/tonne	1/7/2022	7,200-7,500	▼ 2.0	Manganese flake corrected down in a wider range; an end-consumer purchased big volumes of material below \$7,000 per tonne, which has weakened sentiment after previous gains.
Manganese ore index 37% Mn, of Tianjin, \$/dmt	1/7/2022	4.51	▲ 0.2	Prices ticked up with support from the portside and alloy markets to narrow the wide discount to higher-grade material.
Nickel				
Laterite ore with 1.5% Ni content, of China, \$/tonne	1/7/2022	81-83	0	1.5% Ni ore of price was stable during the pricing session; the spot market was quiet while the availability of the ores remained low during the current rainy season in the Philippines; a strong LME nickel price continued to support the nickel ores' price.
Nickel premium, 99.80% purity, briquette, duty free, of Shanghai, \$/tonne	12/29/2021	400-500	▲ 28.6	Shanghai nickel briquettes premium increased amid low supply of duty-free briquettes following the increased of premiums of non-duty free briquettes, as the duty-free materials are mostly secured by long-term contracts; the liquidity in the spot market is still low; long-term contract negotiations for 2022 are almost over, with premiums around \$500-600 per tonne, Fastmarkets heard, LME stocks are still low.
Nickel sulfate min 21%, max 22.5%, cobalt 10ppm max, exw China, yuan/tonne	1/7/2022	35,000-36,000	▲ 2.9	Nickel sulfate price increased during the pricing session with deals reported in the new range; the spot market firmed, while some battery raw materials producers started to pile up stock before Chinese Lunar New Year (Jan 31-Feb 4); a strong LME nickel price also underpinned the nickel sulfate price; offers were reported above 36,000 yuan per tonne, with no deals concluded.
Soda ash				
Soda ash, natural and synthetic, dense and light, large contracts, delivered Europe, €/tonne	12/30/2021	290-340	0	Soda ash export prices eased slightly in China after energy issues reduced, while prices in South East Asia increased and narrowed the gap with the Chinese fob basis; in Europe, prices remained stable though sources' anticipations of supply tightness in 2022 continue.
Tellurium				
Tellurium 99.9-99.99% Te min, in-whs Rotterdam, \$/kg	1/7/2022	60-75	0	The price range for tellurium remained unchanged in a calm market with a light transaction atmosphere.
Vanadium				
Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5	1/7/2022	8.50-9	0	V2O5 remained flat with some offers heard at the top end of the range but no concluded deals reported over the period.

Source: Fastmarkets

Yingchi Yang and Sybil Pan in Shanghai; Carrie Shi in Beijing; and Fola Malomo, Cristina Belda Janie Davies and John Stibbs in London contributed to this report.



Correction to daily cobalt hydroxide inferred price

By Carrie Shi - Friday 07 January

Fastmarkets has corrected its daily cobalt hydroxide inferred price, which was published incorrectly during January 4-6 because of a technical issue.

The daily cobalt hydroxide inferred price was incorrectly published as \$2,985.95 per lb on January 4, \$3,003.75 per lb on January 5 and \$3,003.75 per lb on January 6. This has been corrected to \$29.86 per lb on January 4, \$30.04 per lb on January 5 and \$30.04 per lb on January 6.

This was caused by a technical error during the calculation process.

Fastmarkets' price book and database have both been updated to reflect these changes.

The affected price is MB-CO-0023 [Cobalt hydroxide, min 30% Co, inferred, China, \\$ per lb](#).

For more information, or to provide feedback on the delayed publication of this indicator, or if you would like to provide price information by becoming a data submitter, please contact Fleur Ritzema or Janie Davies by email at: pricing@fastmarkets.com. Please add the subject heading 'FAO: Fleur Ritzema/Janie Davies, re: inferred cobalt hydroxide.'

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

[NOTE: the full name of the inferred cobalt hydroxide price has been amended to 'Cobalt hydroxide, min 30% Co, inferred, cif China, \$ per lb' from the previous name 'inferred cobalt hydroxide, min 30% Co, cif China, \$ per lb' to conform with the standard naming format of Fastmarkets' prices. Further information was added to clarify that Fastmarkets will continue to publish its twice-weekly cobalt hydroxide payable indicator and weekly cobalt hydroxide index.]

Trade log: Cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end)

By pricing@fastmarkets.com - Friday 07 January

The Cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end) 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 hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end) at 88.00-90.00 on Friday January 07, 2022.

- Sale at 90.50 for small tonnage
- Prices indicated at 84.00-85.00
- Prices indicated at 88.00
- Prices indicated at 88.00
- Prices indicated at 88.00-90.00
- Prices indicated at 88.00-89.00
- Prices indicated at 89.00
- Prices indicated at 89.00
- Prices indicated at 88.00-90.00
- Prices indicated at 88.50-90.50
- Prices indicated at 89.50-91.00

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 - Friday 07 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 33.85-34.30 on Friday January 07, 2022.

- Sale at \$34.30 for small tonnage
- Offer at \$34.25 for standard tonnage
- Offer at \$34.25 for standard tonnage
- Offer at \$34.25-34.50
- Offer at \$34.30 for standard tonnage
- Prices indicated at \$33.55-33.80
- Prices indicated at \$33.75-34.25
- Prices indicated at \$33.85-34.30
- Prices indicated at \$33.85-34.35
- Prices indicated at \$34.25
- Prices indicated at \$34.00-34.50
- Prices indicated at \$34.00-34.50
- Prices indicated at \$33.90-34.50
- Prices indicated at \$33.95-34.50

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 alloy grade, in-whs Rotterdam, \$/lb

By pricing@fastmarkets.com - Friday 07 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 33.85-34.30 on Friday January 07, 2022.

- Offer at \$34.35 for standard tonnage
- Prices indicated at \$33.55-33.80
- Prices indicated at \$33.75-34.25
- Prices indicated at \$33.85-34.30
- Prices indicated at \$33.85-34.35
- Prices indicated at \$33.90-34.50
- Prices indicated at \$33.95-34.50
- Prices indicated at \$34.25
- Prices indicated at \$34.00-34.50
- Prices indicated at \$34.00-34.75

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 sulfate 20.5% Co basis, exw China, yuan/tonne

By pricing@fastmarkets.com - Friday 07 January

The Cobalt sulfate 20.5% Co basis, exw China, yuan/tonne 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 sulfate 20.5% Co basis, exw China, yuan/tonne at 102,000.00-103,000.00 on Friday January 07, 2022.

- Prices indicated at ¥103,000.00
- Prices indicated at ¥102,000.00-103,000.00
- Prices indicated at ¥102,000.00-103,000.00
- Prices indicated at ¥104,000.00
- Prices indicated at ¥102,000.00
- Offer at ¥105,000.00-106,000.00
- Prices indicated at ¥102,000.00-103,000.00
- Offer at ¥104,000.00-106,000.00

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 7

By Chris Kavanagh - Friday 07 January

**Key quotes**

"A mismatch between supply and demand is leading to the upward [move in the] price of tungsten concentrate every week... The price of ferro-tungsten is also rising when the cost of raw materials and demand increase" - *Chinese producer*.

"When China pushes the price up, the rest of the market usually follows suit... I would not be surprised to see prices starting at \$40 per kg next week" - *European trader*.

"I see a good number of consumer inquiries, even though most of them are for small volumes at the moment" - *Russian trader*.

Silico-manganese tender price rise aids China's weak manganese ore, alloy markets

By Declan Conway, Chris Kavanagh, Jon Stibbs, Siyi Liu - Friday 07 January

Key data from Fastmarkets' pricing sessions in China, India, Europe and the United States on Friday January 7.

GLOBAL MANGANESE ORE AND ALLOY PRICES			
	New price	Previous price	% Change
Manganese ore 44% Mn, cif Tianjin, \$/dmtu	5.46	5.60	▼2.5
Manganese ore 37% Mn, fob Port Elizabeth, \$/dmtu	3.23	3.18	▲1.6
Manganese ore index 37% Mn, cif Tianjin, \$/dmtu	4.51	4.50	▲0.2
Manganese ore port index, base 44% Mn, range 42-48%, fob Tianjin China, yuan/dmtu	42.10	42.20	▼0.2
Manganese ore port index, base 37% Mn, range 35-39%, fob Tianjin China, yuan/dmtu	33.90	34	▼0.3
Ferro-manganese high carbon 78% Mn, standard 7.5% C, in-whs Pittsburgh, \$/long ton	2,600-2,650	2,600-2,650	0
Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	2.55-2.60	2.55-2.60	0
Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	1,500-1,550	1,650-1,750	▼10.3
Ferro-manganese 65% Mn min, max 7% C, in-whs China, yuan/tonne	7,200-7,500	7,200-7,500	0
Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	1,550-1,600	1,600-1,700	▼4.5
Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	1.20-1.25	1.20-1.25	0
Silico-manganese 65% Mn min, max 17% Si, in-whs China, yuan/tonne	7,800-8,000	7,800-8,000	0
Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	1,450-1,500	1,425-1,475	▲1.7
	New assessment	Previous assessment	% Change
Manganese ore inventories at the main Chinese ports of Tianjin and Qin Zhou, million tonnes	5.05-5.29	5.14-5.26	▼0.6

Source: Fastmarkets

China

- Hebei Iron & Steel Group set its purchase price for both January- and February-delivery silico-manganese at 8,200 yuan (\$1,285) per tonne, up by 200 yuan per tonne from the previous month.
- The increased tender prices from China's second-largest steelmaker improved market sentiment, supporting manganese ore and alloy prices.
- Spot silico-manganese and ferro-manganese markets held steady amid improved demand, whereas supply remained high amid strong operation rates in main producing regions.
- The buoyed sentiment in the alloy market was reflected in seaborne ore trading, where some miners successfully offered February-shipments at prices similar to port markets.
- Manganese ore markets at China's ports recorded a busy trading week with alloys producers procuring feedstock in preparation for the Lunar New Year (January 31-February 6).

Europe

- There were falls of more than 10% and 4.5% in high-carbon ferro-manganese and silico-manganese respectively after suppliers cut their offer prices.
- Suppliers have reported scant buying interest from the steel sector for several weeks, and there was no sign of renewed demand.
- Steel mills appear to be well-stocked with manganese alloys until March and renewed demand for manganese alloys may not return for a few weeks when they should show demand for that month and the second quarter.
- Car production is still well down due to a shortage of semi-conductor chips, while the construction sector typically slows through the winter months, meaning less demand for flat and long steel products that contain manganese alloys.

India

- The silico-manganese market edged higher after suppliers positioned themselves for expected renewed consumer demand for March and second-quarter deliveries.
- Export demand into Asia and Europe has been quiet, with suppliers hoping for new inquiries through the rest of January.

United States

- The US alloys markets were flat once again amid sluggish spot trading to begin the new year.
- Readily available supply remains thin, propping up prices at current levels.
- Market participants expect activity will remain minimal and prices will hold over the near term.

Trade log: Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V

By pricing@fastmarkets.com - Friday 07 January

The Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V 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 Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V at 33.00-33.50 on Friday January 07, 2022.



- Prices indicated at \$33.00
- Offer at \$34.50
- Prices indicated at \$33.00-34.00
- Prices indicated at \$33.00-33.50
- Prices indicated at \$33.00-33.50
- Prices indicated at \$32.50-33.00
- Prices indicated at \$33.00-33.50
- Bid at \$33.50

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: Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo

By pricing@fastmarkets.com - Friday 07 January

The Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo 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 Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo at 44.50-45.10 on Friday January 07, 2022.

- Prices indicated at \$45.00-45.20
- Prices indicated at \$44.50-45.00
- Deal heard at \$45.50 for 20 tonnes
- Purchase at \$45.00
- Prices indicated at \$44.60-45.00
- Prices indicated at \$44.20-44.80
- Offer at \$45.00
- Deal heard at \$44.90
- Prices indicated at \$44.50-45.00
- Deal heard at \$45.10 for 24 tonnes
- Deal heard at \$44.70
- Prices indicated at \$44.70-45.10

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

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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: Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W

By pricing@fastmarkets.com - Friday 07 January

The Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W 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 Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W at 38.00-39.50 on Friday January 07, 2022.

- Offer at \$38.00 for 2 tonnes (discarded, below minimum tonnage)
- Deal heard at \$39.50
- Prices indicated at \$37.00-39.50
- Sale at \$36.00 for 8 tonnes (discarded, outside Fastmarket's specifications.)
- Sale at \$39.10 for 7 tonnes
- Offer at \$39.80
- Prices indicated at \$38.00-39.50
- Deal heard at \$39.50
- Prices indicated at \$38.50-39.50
- Prices indicated at \$38.00-39.50
- Prices indicated at \$37.00-38.50
- Sale at \$39.80 for 20 tonnes (discarded, outside Fastmarket's specifications)
- Sale at \$40.00 for 10 tonnes (discarded, outside Fastmarket's specifications)
- Sale at \$41.50 for 20 tonnes (discarded, outside Fastmarket's specifications)
- Bid at \$39.00

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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: Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5

By pricing@fastmarkets.com - Friday 07 January

The Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5 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 Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5 at 8.50-9.00 on Friday January 07, 2022.

- Prices indicated at \$8.50-9.00
- Offer at \$9.20
- Offer at \$9.00

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: Tungsten APT 88.5% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3

By pricing@fastmarkets.com - Friday 07 January

The Tungsten APT 88.5% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3 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 Tungsten APT 88.5% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3 at 321.00-330.00 on Friday January 07, 2022.

- Prices indicated at \$325.00
- Prices indicated at \$305.00 (discarded)
- Deal heard at \$326.00 for 25 tonnes
- Offer at \$332.00
- Prices indicated at \$325.00-335.00
- Deal heard at \$325.00
- Prices indicated at \$325.00
- Sale at \$326.00
- Deal heard at \$327.00
- Deal heard at \$330.00
- Sale at \$321.00 for 20 tonnes
- Sale at \$325.00
- Prices indicated at \$330.00
- Deal heard at \$273.00 (discarded)
- Prices indicated at \$325.00-332.00
- Offer at \$332.00
- Offer at \$322.00 (discarded)

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>.

Steel

US plate prices flat; outlook bearish

By Abby Verret - Friday 07 January

Steel plate prices in the United States were flat on Friday January 7 at what many market participants believe will remain the all-time peak for the foreseeable future.

Fastmarkets' price assessment for steel cut-to-length plate carbon grade, fob mill US was \$90.75 per hundredweight on January 7, unchanged since November 29, 2021.

Inputs ranged from \$90.75-\$91.25/cwt, representing mill offers at both ends and a deal in the middle of the range.

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.

China's HBIS increases purchase price for January-, February-delivery SiMn by \$31/t

By Siyi Liu - Friday 07 January

Hebei Iron & Steel Group (HBIS), China's second-largest steelmaker, has set a purchase price for January- and February-delivery silico-manganese of 8,200 yuan (\$1,285) per tonne, sources told Fastmarkets on Friday January 7.

The latest price is 200 yuan per tonne higher than the mill's previous purchase price of 8,000 yuan per tonne for December-delivery cargoes.

HBIS' price, which applies to cargoes delivered to warehouses, includes value-added tax and should be paid on acceptance.

The northern China-based steel mill released its first-round bid at 8,000 yuan per tonne on Thursday and plans to buy around 26,600 tonnes of silico-manganese for delivery in January and February.

"This means on average around 13,000 tonnes per month for the mill's alloy consumption, which is up from the previous two months but still lags behind of its typical procurement amount," a trader said.

HBIS purchased 12,000 tonnes silico-manganese in December and 11,650 tonnes in November, compared with its normal monthly amount of 250,000-300,000 tonnes. The lowered amount of raw material demand is in response to the reduced production amid China's steel production controls.

The increased purchase price and higher volumes that HBIS is looking to secure for January and February have sent some support to market sentiment, which had been pessimistic in December due to concerns of steel production could remain low, against the backdrop of strong operation rates among silico-manganese producers in the Inner Mongolia and Ningxia autonomous regions.

"This [The higher purchase price from HBIS] has sent a positive signal to the market, at least for the period around the Lunar New Year," a silico-manganese producer source said.

Despite the steadiness, multiple factors - including sharp scrap price declines in January, the continued downside of other flat steel commodities and an apparent increase in plate availability - have the market leaning increasingly bearish.

The backlog and lack of competition resulting from plate's relatively small number of producers have likely enabled the price to stay high even as other steel prices have been falling for weeks or months, according to one distributor source.

He noted, however, that lead times seem to be shrinking, and some mills are actively soliciting buyers. Combined with the downturns in scrap, hot-rolled coil and other relevant prices, products such as plate that have thus far avoided the decline will start to turn soon, he said.

A second distributor disagreed with the growing sentiment that plate prices have reached their breaking point - but he was not bullish either.

"I think a general slowdown of ordering to burn through material is



happening, and people will have to order in the next six weeks," he said. Still, he added, there is "not much more room for it to go up."

Fastmarkets' daily [steel hot-rolled coil index, fob mill US](#) was calculated at \$75.39 per cwt on Friday, down by 1.35% from \$76.42 per cwt on Thursday January 6 and by 2.94% from \$77.67 per cwt on Thursday December 30, the last working day of 2021.

This put the spread between plate and HRC prices at \$15.36, a [31.28% increase from \\$11.70 on December 17](#).

US steel imports up nearly 50% in '21 vs '20

By Abby Verret - Friday 07 January

The United States imported 48.26% more steel in 2021 compared to 2020, according to government data, which suggests that although Covid-related supply chain issues continued into last year their impact on the global steel market lessened considerably from the previous year.

The US imported 29.70 million tonnes of steel in 2021, according to data from the US International Trade Administration's steel import monitoring system (SIMA) collected through Wednesday January 5.

Although this total included licenses for December rather than a final count, any fluctuation in that number is unlikely to drastically change the percentage increase compared with the 20.03 million tonnes of steel imported in 2020.

Canada was the largest supplier to the US in both years, shipping 7.04 million tonnes in 2021. This was up by 47.98% from 4.76 million tonnes the previous year.

Canada's primary export to the US was consistently hot-rolled sheet, with shipments reaching 1.79 million tonnes in 2021, more than twice the 841,293 tonnes shipped in 2020.

Slab was the US' top steel product import in both years, at 5.45 million tonnes in 2021 and 3.39 million tonnes in 2020.

Brazil, the leading exporter of the product to the US market, shipped 2.93 million tonnes in 2021 and 2.42 million tonnes in 2020 - a comparatively modest 21.13% increase.

December

The US' steel import licenses declined in December compared with the previous month, but more than doubled compared with the previous December.

The US was licensed to import 2.72 million tonnes of steel in December, according to SIMA data, down by 4.90% from the preliminary US Census import total of 2.86 million tonnes [the prior month](#) but roughly double the 1.36 million tonnes shipped in December 2020.

Bloom, billet and slab showed the largest jump both month on month and year on year, with the import tonnage increasing by 32.23% versus November and more than five times the 128,735 tonnes imported in December 2020.

Notably, while all products tracked in this story increased year on year, all but two - oil country goods and bloom, billet and slab - decreased in December compared with the prior month.

Rebar showed the steepest month-on-month decline, with licenses down by 52.06% in December from November's preliminary total. The 58,213 tonnes imported in December was the smallest monthly import tonnage in 2021 - the next-lowest was 77,495 tonnes imported in February.

Notably, the data shows no December licenses for rebar from Turkey, the largest exporter of this product to the US overall in 2021.

US IMPORTS OF STEEL MILL PRODUCTS (in tonnes)					
	Dec 2021*	Nov 2021	% change	Dec 2020	% change
Total	2,719,155	2,859,231	▼ 4.90	1,357,255	▲ 100.34
Carbon and alloy	2,618,016	2,773,807	▼ 5.62	1,306,019	▲ 100.46
Bloom, billet and slab	661,628	500,364	▲ 32.23	128,735	▲ 413.95
Hot-dipped galvanized sheet/strip	309,057	312,517	▼ 1.11	141,597	▲ 118.27
Hot-rolled sheet	241,636	423,555	▼ 42.95	148,356	▲ 62.88
Oil country goods	204,905	189,009	▲ 8.41	82,109	▲ 149.55
Cold-rolled sheet	144,946	174,374	▼ 16.88	82,589	▲ 75.50
Coiled plate	132,116	175,817	▼ 24.86	84,598	▲ 56.17
Reinforcing bar (rebar)	58,213	121,422	▼ 52.06	44,464	▲ 30.92
Hot-rolled bars	67,966	85,068	▼ 20.10	57,059	▲ 19.12
Heavy structural shapes	37,656	66,121	▼ 43.05	18,546	▲ 103.04

* License data collected through January 5, 2022.
Source: Compiled by Fastmarkets from the US International Trade Administration's steel import monitoring system.

US HRC index falls to lowest since May '21

By Mark Burgess - Friday 07 January

Hot-rolled coil prices in the United States finished the week by dipping to an eight-month low, with some sources believing there's room for a further correction in the coming weeks.

Fastmarkets' daily steel hot-rolled coil index, fob mill US was calculated at \$75.39 per hundredweight (\$1,507.80 per short ton) on Friday January 7, down by 1.35% from \$76.42 per cwt on Thursday January 6 and by 2.94% from \$77.67 per cwt on Thursday December 30, the final working day of 2021.

Fresh inputs were collected in the distributor sub-index in a wide range of \$72-83 per cwt, representing mill deals, offers and general assessments of current spot-market pricing. The low end of the range was a deal for significant tonnage.

One input at the high end of the range was excluded because it was outside the index's footprint. Inputs were carried over in the producer and consumer sub-indices due to a lack of liquidity.

Heard in the market

HRC buyers remain cautious and hesitant to make purchases in a market pricing environment that has dropped 23.27% since late September 2021, when domestic coil hit an all-time high of \$98.25 per cwt.

The January 7 index landed at its lowest since hitting \$75.15 per cwt on May 7, 2021. The difference is that it was a bullish, climbing market in May, when long lead times meant supply wasn't meeting demand. Exactly eight months later, the momentum has shifted in the other direction.

With some import prices reported at sub-\$60-per-cwt levels, most sources agree that there is room for further decreases in US pricing before the gap is closed with international competition.

Quote of the day

The market seems to be in a free fall, but I believe it's only the price correction we were expecting to close the gap between international and US prices. Then the market should stabilize. China is raising prices, EU prices are going sideways, but the Turkish market is very weak. In the meantime, buyers are nervous and very cautious," a distributor source said.



CRC, galv prices weaken on slow start to '22

By Dom Yanchunas - Friday 07 January

Prices for cold-rolled and galvanized steel sheet in the United States declined after buyers said the arrival of extra steel they ordered in 2021 is allowing them to postpone further restocking in the new year.

Fastmarkets' weekly price assessment for [steel cold-rolled coil, fob mill US](#) sank to \$98.50 per hundredweight (\$1,970 per short ton) on Thursday January 6 from \$100 per hundredweight (\$2,000 per short ton) on December 30. After gaining 73.90% in 2021, the assessment has lost 10.45% after peaking at \$110 per cwt in the autumn.

Fastmarkets' price assessment for [steel hot-dipped galvanized coil \(cold-rolled base\), fob mill US](#) slipped to \$97.50 per cwt on Thursday from \$98 per cwt one week earlier. That price rose by 69% last year but has dropped by 11.36% since achieving its record of \$110 per cwt.

Fresh inputs were collected in a range of \$90-104 per cwt for cold roll and \$91-103 per cwt for galvanized base. The low end of those ranges represented mill offers and assessments that arrived toward the end of the weeklong assessment period. Prices overseas are much lower, and import arrivals in the US are projected to ramp up by springtime. A further correction in domestic prices is therefore inevitable, according to some market participants.

"They're just going down, down, down. We can't be \$700 higher than China and \$400 to \$500 higher than Europe," one service center source said, using the per-ton equivalents. "Everybody is sitting on their hands and waiting. They ordered when everyone was worried about having steel, and what do you know: Now there is no need to buy steel from the mills. Thankfully, demand is still good."

Lead times were reported to be approximately four to five weeks, with some mills quoting for March shipment on coated material.

Fastmarkets' price assessment for [steel hot-dipped galvanized coil \(hot-rolled base\), fob mill US](#) plunged to \$88 per cwt on January 6 from \$96 per cwt on December 30 after Fastmarkets received updated data as a result of renewed spot availability at mills. Market participants said the steep decline in domestic hot-rolled coil prices caused the HRC-substrate galvanized offers to open the year at a wider discount to other HDG items.

Spreads between HRC and the value-add items continue to be near historically wide levels. Fastmarkets' daily [steel hot-rolled coil index, fob mill US](#) was calculated at \$76.42 per hundredweight on Thursday. At that level, CRC was \$22.08 per cwt higher than hot roll. The cold-roll-substrate galvanized base was \$21.08 per cwt above HRC.

"I will continue to only buy what we need," a second service center source said.

South American flat steel import prices steady in quiet market

By Renato Rostás - Friday 07 January

Flat-rolled steel import prices in South America were steady during the week ended Friday January 7 amid an usual market lull in the first few days of the year.

Some offers were reported slightly above or below the previous ranges, but the lack of market activity in the continent ensured stable price assessments.

Moreover, lower freight rates could potentially lower prices further on a cfr basis, market participants said. Maritime freight was put at \$85-90 per tonne from China to the region's Pacific coast and at \$90-95 per tonne to Brazil compared with \$100-120 per tonne in December.

There were also reports of lingering downward pressure from discounted deals for Mexican and Brazilian material in the final few weeks of December, with clients expecting to place new orders at similar or lower levels.

Hot-rolled products

Fastmarkets assessed the price for [steel plate import, cfr main ports South America](#), at \$890-915 per tonne on Friday, stable from the previous week when it had fallen from \$915-935 per tonne on December 24.

Participants said Chinese plate will change hands at \$890-900 per tonne in Peru and Colombia, while Chilean clients will receive offers of \$905-915 per tonne for shipment in March. Japanese and Brazilian mills had yet to issue offers in 2022.

Fastmarkets' price assessment for [steel hot-rolled coil import, cfr main ports South America](#), was also unchanged week on week at \$840-890 per tonne on Friday. It had also previously decreased from \$850-900 per tonne on December 24.

China-origin HRC was being offered to the Pacific coast at \$850-880 per tonne, with some participants reporting prices of up to \$900-905 per tonne. Chinese offers to Brazil were closer to \$890-920 per tonne, although they were rare.

Mexican product that had previously put pressure on the market were absent in the first week of the year. The latest sale was reported at \$840 per tonne, while Brazilian and Japanese HRC were sold at \$850-860 per tonne for February shipment.

Buyers, however, were trying to continue pushing prices down. They mentioned during the week that Mexico- and Brazil-origin material could be feasible at \$820-830 per tonne.

Cold-rolled, coated

Fastmarkets assessed the price for [steel cold-rolled coil import, cfr main ports South America](#), at \$940-980 per tonne on Friday, flat from the previous week - when the range narrowed downward from \$940-990 per tonne on December 24.

Chinese offers were heard at \$940-965 per tonne to the Pacific coast, and some participants mentioned \$970-975 per tonne as well. Brazilian customers received offers at \$955-980 per tonne.

Fastmarkets' price assessment for [steel hot-dipped galvanized coil import, cfr main ports South America](#), on the other hand, was at \$1,000-1,040 per tonne on Friday, widening upward by \$10 from \$1,000-1,030 per tonne a week earlier.

The wider price range better reflects slightly higher offers from China to Brazil, closer to \$1,020-1,060 per tonne. Offers to the Pacific coast ranged from \$990-1,035 per tonne.

Fastmarkets' price assessment for [steel coil Galvalume import, cfr main ports South America](#), was at \$1,150-1,200 per tonne on Friday, unchanged for a fifth consecutive week amid lackluster demand.

Galvalume® is a registered trademark of BIEC International.



Stelco Q4 shipments down; Q1 guidance lower

By Robert England - Friday 07 January

Stelco Holdings Inc reported lower fourth-quarter-2021 shipments than expected due to unplanned outages and reduced labor availability, according to a news release on Thursday January 6.

The company also provided guidance that first-quarter-2022 shipments are likely to be at or below fourth-quarter levels.

The Hamilton, Ontario-based steelmaker shipped about 625,000 net tons of steel in the fourth quarter, well below earlier guidance of 675,000-680,000 net tons.

During the fourth quarter, the mill experienced unplanned outages at its hot strip mill, as well as delays, logistics challenges and weaker demand from customers due to labor force reductions across the supply chain resulting from the rapid spread of the Covid-19 Omicron variant.

The company said the lower guidance for first-quarter shipments is due to upcoming planned outages that have been moved up in response to the unplanned outages in the fourth quarter, as well as to a softer price environment and weaker demand conditions.

Stelco is an independent, integrated steelmaker that produces flat-rolled value-added steel, including coated, cold-rolled and hot-rolled sheet products, as well as pig iron and metallurgical coke. Its products are supplied to Canadian and US customers in the construction, automotive, energy, appliance and pipe and tube industries, as well as to service centers.

Fastmarkets' daily steel hot-rolled coil index, fob mill US was calculated at \$76.42 per hundredweight (\$1,528.40 per short ton) on Thursday, up by 0.78% from \$75.83 per cwt one day prior but down by 1.61% from \$77.67 per cwt a week earlier.

Global scrap trade restarts on increased purchasing in Turkey, Asia

By Cem Turken, Paul Lim, Carrie Bone, Amy Hinton, Tianran Zhao - Friday 07 January

Global ferrous scrap markets showed signs of life in the week ended Friday January 7, with sentiment warming on increased purchasing activity in Turkey and Asia.

- Turkish buyers book cargoes at higher prices
- Lower prices in United States before recent Turkish uptick
- Chinese buyers look for import sources
- Vietnamese buyers return to spot market
- Taiwan expects more liquidity in near term
- Indian import prices nudge upward on restart of trading.

Turkey

Turkish steelmakers returned to the spot market this week for cargoes from Europe and the US, purchasing at higher prices.

Higher energy prices and a volatile exchange rate for the Turkish lira had caused steelmakers in the Middle Eastern country to abstain from purchasing for a while.

The steel producers in the country booked four deep-sea cargoes this week.

Pricing history

steel scrap HMS 1&2 (80:20 mix), Northern Europe origin, cfr Turkey.
steel scrap HMS 1&2 (80:20), US origin, cfr Turkey.

United States

Sellers in the US saw lower prices in key Turkish market this week, while domestic steelmakers had thin order books and excess inventory at a time of falling steel prices.

Pricing history

steel scrap HMS 1&2 (80:20), export index, fob New York.
steel scrap shredded scrap, export index, fob New York.
steel scrap, HMS 1&2 (80:20), export index, fob Los Angeles.

China

Chinese buyers have started to source imports of HRS101-grade scrap cargoes, amid a slowly narrowing gap between bids and offers.

Pricing history

steel scrap, index, heavy recycled steel materials, cfr north China

Vietnam

Sentiment in the key import market in Vietnam was slowly warming with the start of purchasing activity among steelmakers.

Pricing history

steel scrap, HMS 1&2 (80:20), cfr Vietnam.

Taiwan

Market participants expected spot activity to become more liquid with increased purchasing interest among Taiwanese buyers.

Pricing history

steel scrap, HMS 1&2 (80:20 mix), US material import, cfr main port Taiwan.

India

Prices for imported steel scrap in India and Pakistan inched upward in the week ended January 7 with a resumption of trading after year-end holidays..

Pricing history

steel scrap, shredded, index, import, cfr Nhava Sheva, India.

GLOBAL WEEKLY SCRAP WRAP			
	Price on 07/01	Price on 31/12	Value change week on week
Steel scrap HMS 1&2 (80:20 mix) North Europe origin, cfr Turkey, \$/tonne	461.59	450.88	▲ 10.71
Steel scrap HMS 1&2 (80:20 mix) US origin, cfr Turkey, \$/tonne	469.88	458.85	▲ 11.03
Steel scrap HMS 1&2 (80:20 mix) export, fob main port UK, \$/tonne*	422	424	▼ 2.00
Steel scrap HMS 1&2 (80:20), export index, fob New York, \$/tonne	417.5	417.5	0.00
Steel scrap HMS 1&2 (80:20), export index, fob Los Angeles, \$/tonne	475	475	0.00
Steel scrap HMS 1&2 (80:20 mix) US material import, cfr main port Taiwan, \$/tonne*	436	441	▼ 5.00
Steel scrap, heavy recycled steel materials, cfr China, \$/tonne*	498	489	▲ 9.00
Steel scrap, shredded, index, import, cfr Nhava Sheva, India, \$/tonne	526.2	515	▲ 11.20
Steel scrap, shredded, import, cfr delivered Turkish port, \$/tonne*	481.5	473	▲ 8.50
Steel scrap HMS 1&2 (80:20), cfr Vietnam, \$/tonne*	500	500	0.00
*midpoint of the price assessment range			Source: Fastmarkets



Brazilian automotive production grows 0.8% in December, sector is 'mildly optimistic' for 2022

By Felipe Peroni - Friday 07 January

Brazilian vehicle production increased by a slight 0.8% year on year in December, but the sector has started a mild recovery on a monthly comparison which is expected to continue through 2022.

The country produced 210,900 vehicles in December, compared with 209,300 units in the same month of 2020, according to figures from national automotive association Anfavea.

Output also increased by 2.5% from November's level of 205,700 units.

With December's volume, the Brazilian automotive industry produced a total 2.25 million vehicles in 2021, up by 11.6% from the 2.01 vehicles a year earlier.

"Automakers have made efforts to continue increasing production in December, negotiating with suppliers and parent companies to secure components and microchips," Anfavea president Luiz Carlos Moraes said.

Vehicle sales to the domestic market amounted to 207,100 vehicles, a decrease of 15.10% from the 244,000 units sold in December 2020.

Exports totaled 41,600 units in December, up by 8.3% from 38,400 units a year earlier.

The association expects the shortage of semiconductors to continue this year, but its impact will be milder than that in 2021.

"We will continue to see volatility [in supply of semiconductor chips] in the first half of 2022," Moraes said.

Despite the uncertainty in supply, the association expects car production to reach 2.46 million units in 2022, growth of 9.4% year on year.

Automotive sales to the domestic market are also expected to grow by 8.5% in 2022, to 2.3 million units, from 2.12 million units in 2021, while exports are estimated to reach 390,000 vehicles, an increase of 3.6% from 376,000 vehicles last year.

Price negotiations

The Brazilian automotive sector is currently negotiating annual pricing contracts with major steelmakers. This year, steel producers are aiming for price increases of around 50-60% compared with the previous year, according to market participants.

Fastmarkets' monthly assessment for **steel hot-dipped galvanized coil domestic monthly, exw Brazil** was 8,055-8,420 Reais (\$1,412-1,476) per tonne on December 10, 2021, down from 9,060-9,080 Reais per tonne in the previous month.

Despite the recent decrease, the assessment's midpoint is still 30.50% higher than the assessed price of 6,250-6,375 Reais per tonne on January 8, 2021.

But the auto sector is not willing to accept price rises because it could hamper automakers' recovery, according to Anfavea.

"We will negotiate and fight for every penny," Moraes said. "We will question the price increases, try to avoid or postpone them, because the market cannot absorb anymore raises," he added.

Indian secondary billet prices up by \$15-16/t on rising cost of DRI production

By Suresh Nair - Friday 07 January

Indian domestic secondary billet prices increased by 1,100-1,200 rupees (\$15-16) per tonne in the week to Friday January 7 on a rise in prices of directly reduced iron (DRI), the main raw material for billet-making.

Fastmarkets' weekly price assessment for **steel billet domestic, ex-works India** was 43,900-44,000 rupees per tonne on Friday, up by 1,100-1,200 rupees per tonne from 42,700-42,900 rupees per tonne a week earlier.

"Billet prices increased almost as much as increase in DRI prices, however, there is only slight increase in demand for semis," an official from a billet mill in state of Chhattisgarh said.

According to the official there is cost pressure on all billet and DRI producers because coal used for DRI production is in short supply from government-owned coal mines.

"There is speculation of a likely coal crisis and the government will give first priority in supplying coal to power producers, while DRI kilns may have to use imported coal," an official from a DRI kiln in state of Chhattisgarh said.

Indian domestic DRI prices increased by 1,100 rupees per tonne this past week following speculation over a coal shortage in the country.

Fastmarkets assessed the price of **DRI domestic, ex-works India** at 33,000-33,200 rupees per tonne on Friday, an increase of 1,100 rupees per tonne from 31,900-32,100 rupees per tonne a week earlier.

The price of **steel rebar domestic, ex-works India** was assessed by Fastmarkets at 46,800-47,000 rupees per tonne on Friday, up by 700 rupees per tonne from 46,100-46,300 rupees per tonne in the week prior.

Import scrap prices into India, Pakistan inch upward

By Carrie Bone - Friday 07 January

Prices for imported steel scrap in India and Pakistan inched upward in the week ended Friday January 7 with a resumption of trading after year-end holidays.

Pakistan

Fastmarkets calculated its weekly **steel scrap, shredded, index, import, cfr Port Qasim, Pakistan**, at \$544.51 per tonne on Friday, up from \$534.27 per tonne on December 31.

Offer and deal prices increased throughout the week, with offer prices rising to \$550 per tonne by the end of the working week, while deals were heard at \$540-548 per tonne.

This compared with deals at \$530-535 per tonne the previous week.

Trading picked up with market participants returning from seasonal holidays in the UK and the EU. Prices were supported by an uptick in international scrap prices, also.

Fastmarkets' daily calculation of the index for **steel scrap, HMS 1&2 (80:20 mix), North Europe origin, cfr Turkey**, was \$461.59 per tonne on Friday, compared with \$450.88 per tonne on December 31.

**India**

In the Indian market, trading was much more subdued, with participants wanting sentiment to improve before they trade again.

Fastmarkets' calculation of the [steel scrap, shredded, index, import, cfr Nhava Sheva, India](#), was \$526.20 per tonne on Friday, compared with \$523.64 per tonne on Tuesday this week, and \$515 per tonne the previous Friday.

The majority of shredded scrap offers were in the range of \$515 per tonne to \$530 per tonne.

On the HMS market, prices improved, tracking the international market.

Fastmarkets' weekly price assessment for [steel scrap, HMS 1&2 \(80:20 mix\), import, cfr Nhava Sheva, India](#), was \$440-465 per tonne on Friday, up from \$430-445 per tonne on December 31.

Offers for UK-origin material comprised the low end of the range, while material from the United Arab Emirates, Africa and other parts of the Middle East made up the higher end.

Demand for flat steel in Turkish market fails to improve

By Serife Durmus - Friday 07 January

Flat steel demand in the Turkish market was low during the first week of 2022 because buyers were expecting prices to fall, sources told Fastmarkets on Friday, January 7.

Buyers were anticipating price decreases because of low-priced import offers as well as globally weak markets.

Turkish hot-rolled coil producers were accepting orders for March production during the week, but buying was sluggish.

Domestic prices

Fastmarkets' weekly price assessment for [steel hot-rolled coil domestic, exw Turkey](#) was \$830-850 per tonne on January 7, unchanged week on week.

Turkish HRC producers were offering HRC at \$830-850 per tonne ex-works for March production during the week.

Some market participants expected prices to fall to \$810-820 per tonne ex-works levels, but producers were not yet accepting discounts.

Cold-rolled coil prices in Turkey were also stable during the week.

Producers were offering 1mm thick CRC at \$960-990 per tonne ex-works during the week, unchanged since [the previous week](#).

Fastmarkets' weekly price assessment for [steel cold-rolled coil, domestic, exw Turkey](#) was \$960-980 per tonne on Friday, unchanged week on week.

HRC exports

Offers for HRC from Turkey were at \$830-850 per tonne fob, unchanged since the previous week.

No major deals were heard, but some Turkish market sources said they believe workable prices to be around \$810-820 per tonne fob.

"The problem is lack of markets for Turkish HRC. The quota in Europe has already been filled by over 87% in the first week of January," one executive at a Turkish HRC producer told Fastmarkets, adding that "the US imposed an additional anti-dumping duty on Turkish HRC. Turkey needs to find a market to export its product."

On January 6 the United States Department of Commerce [set anti-dumping duty rates](#) on hot-rolled flat steel products from seven countries, including Turkey.

HRC from Turkey is now subject to a 24.32% anti-dumping duty, higher than the 4.15-6.77% range of rates established in the original duty order on October 3, 2016.

Fastmarkets' weekly price assessment for [steel HRC export, fob main port Turkey](#) was \$830-850 per tonne on January 7, unchanged week on week.

Import prices

India offered HRC at \$780-790 per tonne cfr Turkey during the week.

One source reported an HRC deal from India to Turkey at \$770 per tonne cfr, but it could not be confirmed by the time of publication.

Fastmarkets' weekly price assessment for [steel HRC import, cfr main port Turkey](#) was \$780-790 per tonne on January 7, falling from \$790-800 per tonne on December 31.

CRC from China was offered at \$965 per tonne cfr, but the price was too high for the Turkish market.

No new prices were heard from the CIS countries, whose offers were \$935-945 per tonne cfr in December.

Fastmarkets' weekly price assessment for [steel CRC import, cfr main port Turkey](#) was \$930-935 per tonne on Friday, unchanged week on week.

Domestic HRC prices stable in Europe, outlook bearish amid weak demand

By Maria Tanatar - Friday 07 January

Domestic hot-rolled coil prices in Northern Europe and Italy were fairly stable on Friday January 7 due to a seasonal slowdown after the recent New Year holidays across the EU, sources have told Fastmarkets.

Both buyers and producers continued to hold back from the market this week. Trading activity was likely to start to recover in the second week of January.

Market sentiment remained bearish due to continuing low steel demand from the automotive sector, caused by the global shortage of semiconductors, the availability of competitive import offers and a sufficiency of stock at distributors.

Fastmarkets calculated its daily [steel hot-rolled coil index, domestic, exw Northern Europe](#), at €900.00 (\$1,017.36) per tonne on Friday, down by €2.50 per tonne day on day from €902.50 per tonne.

The index was also down by €3.33 per tonne week on week and by €16.25 per tonne month on month.

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

Fastmarkets calculated its corresponding daily [steel HRC index, domestic, exw Italy](#), at €815.00 per tonne on January 7, unchanged day-on-day.

The Italian index was down by €2.50 per tonne week on week and by €38.33 per tonne month on month.



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

Turkish coated coil prices stable on weak demand

By Serife Durmus - Friday 07 January

The market for coated steel coil products in Turkey was slow during the seven days to Friday January 7, with prices mostly stable week on week, sources have told Fastmarkets.

The reason given for the weak activity was the recent Christmas and New Year holidays in most global markets.

Domestic prices

Fastmarkets' weekly price assessment for [steel hot-dipped galvanized coil, domestic, exw Turkey](#), was \$1,075-1,090 per tonne on January 7, unchanged week-on-week.

Turkish producers were still offering 0.5mm HDG with Z100 coating at [\\$1,075-1,100 per tonne ex-works](#).

Fastmarkets' weekly price assessment for [steel pre-painted galvanized, domestic, exw Turkey](#), was \$1,175-1,200 per tonne on January 7, also unchanged week-on-week.

Offer prices for pre-painted galvanized iron, also known as color-coated coil, of 0.50mm thickness with 9002 color code, were heard at \$1,175-1,200 per tonne ex-works, unchanged since last week.

HDG exports

HDG was on offer from Turkey at \$1,075-1,090 per tonne fob, narrowing downward from \$1,075-1,100 per tonne fob last week.

No major deals were heard because activity in most export markets has yet to resume after the holidays.

As a result, Fastmarkets' weekly price assessment for [steel HDG, export, fob Turkey](#), was \$1,075-1,090 per tonne on Friday, narrowing downward from \$1,075-1,100 per tonne on December 31.

Turkish steelmakers book more deep-sea scrap cargoes for February, prices up further

By Cem Turken - Friday 07 January

Turkish steel producers continued to book deep-sea steel scrap cargoes for February shipments at increasing prices, sources told Fastmarkets on Friday January 7.

A steel mill in northern Turkey booked a European cargo comprising 22,500 tonnes of HMS 1&2 (80:20), 7,500 tonnes of a mixture of plate and structural (P&S) and HMS 1, 7,500 tonnes of shredded and 2,500 tonnes of new cuttings at an average price of \$465 per tonne cfr.

The prices of HMS 1&2 (80:20) and shredded scrap were calculated at \$456 and \$476 per tonne cfr respectively, market participants said.

A steel mill in the Iskenderun region booked another European cargo, comprising HMS 1&2 (80:20) at \$460 per tonne shredded at \$483 per tonne and P&S and HMS 1 at \$488 per tonne cfr. The cargo composition was not clear at the time of publication.

Two other cargo deals were concluded on January 5.

A steel mill in the Iskenderun region booked a US cargo comprising 26,000 tonnes of HMS 1&2 (85:15) at \$472 per tonne and 4,000 tonnes of P&S at \$487 per tonne cfr.

There was another European deal, comprising 23,000 tonnes of HMS 1&2 (80:20) at \$446 per tonne, 5,000 tonnes of HMS 1 at \$460 per tonne and 7,000 tonnes of bonus at \$466 per tonne cfr.

As a result of the fresh transactions, the daily scrap indices rose further at the end of the week.

Fastmarkets' calculation of its daily index for [steel scrap, HMS 1&2 \(80:20 mix\), North Europe origin, cfr Turkey](#) was \$461.59 per tonne on Friday January 7, up by \$6.83 per tonne day on day.

Fastmarkets' corresponding index for [steel scrap, HMS 1&2 \(80:20 mix\), US origin, cfr Turkey](#) was \$469.88 per tonne on January 7, also up by \$6.83 per tonne day on day, leaving the premium for US-origin material over European scrap at \$8.29 per tonne.

US keeps countervailing duties vs Korean HRC [corrected]

By Robert England - Friday 07 January

The United States Commerce Department has recommended maintaining countervailing duty rates on hot-rolled flat steel products from South Korea effective immediately following the final results of the agency's expedited, 120-day sunset review of existing duties.

According to a [Federal Register notice](#) published on Wednesday January 5, Commerce found that allowing the existing countervailing duty order to expire would likely lead to the continuation or recurrence of countervailable subsidies on imports from South Korean steelmakers at the following rates:

- Posco, 41.64%
- Hyundai Steel Co Ltd, 3.98%
- All others, 3.89%

Commerce initiated the sunset review of its original order on September 1, 2021. The US International Trade Commission will now make its decision on whether the US industry is still injured by the subsidization.

US steelmakers Cleveland-Cliffs Inc, US Steel Corp, California Steel Industries Inc, Steel Dynamics Inc and Nucor Corp lodged their notice of intent to participate in the review on September 30.

On October 21, Commerce notified the US ITC that it had failed to receive substantive responses or a request for a hearing from any other interested parties, including the government of South Korea, and would therefore conduct an expedited 120-day sunset review.

Fastmarkets' daily [steel hot-rolled coil index, fob mill US](#) was calculated at \$77.61 per hundredweight (\$1,552.20 per short ton) on January 4, down by 0.36% from \$77.89 per cwt one day earlier and by 1.44% from \$78.74 per cwt a week earlier.

Editor's Note: This article was corrected on Friday January 7 to reflect that the duties are not new and will still need to be voted on by the ITC.



Baosteel keeps flat steel prices unchanged for February bookings

By Zihuan Pan - Friday 07 January

Baoshan Iron & Steel (Baosteel) will keep domestic base prices for most of its carbon steel flat products unchanged month on month for February bookings, it said on Friday January 7.

These products include hot-rolled coil and sheet, heavy plate, pickled products, cold-rolled coil and sheet, hot-dipped galvanized coil and sheet, electro-galvanized products, aluzinc coated (Galvalume) coil and sheet, products with a high-aluminium zinc-aluminium magnesium coating, pre-painted products and non-oriented silicon steel.

Prices for grain-oriented silicon steel will be increased by 200 yuan (\$31) per tonne, following an **increase of 300 yuan per tonne for the previous month.**

This was the second straight month when Baosteel kept domestic base prices unchanged for major products such as HRC, heavy plate, CRC and HDG.

Fastmarkets' price assessment for **steel HRC domestic, ex-whs Eastern China**, was 4,900-4,930 yuan per tonne on January 7, up by 120 yuan per tonne from 4,780-4,810 yuan per tonne on December 10.

The corresponding price assessment for **steel CRC domestic, delivered Eastern China**, was 5,420-5,450 yuan per tonne on January 7, down by 30-50 yuan per tonne from 5,450-5,500 yuan per tonne on December 10.

And the price assessment for **steel HDG, domestic, ex-whs Eastern China**, was 5,630-5,700 yuan per tonne on January 7, widening downward by 20 yuan per tonne from 5,650-5,700 yuan per tonne on December 10.

Galvalume® is a registered trademark of BIEC International.

Poland long steel prices unchanged but likely to rise soon

By Julia Bolotova - Friday 07 January

Rebar and wire rod prices in Poland remained flat in the week to Friday January 7, mainly due to slow activity during the holiday period, but prices are expected to rise again soon, sources told Fastmarkets.

Before the end of 2021, local mills announced significant price rises for both **rebar** and **wire rod** to combat increasing energy, raw materials and logistics costs.

At the end of December, rebar offer prices from local mills were heard at 3,800-3,850 (\$940-953) zloty per tonne delivered (about 3,770-3,820 zloty per tonne ex-works), with some producers even considering 4,000 zloty per tonne delivered. These offers were substantially higher than deals heard in the second half of December - which were closed at around 3,620-3,630 zloty per tonne delivered, sources said.

And even though market participants that further rebar price rises are likely in January, the value of any increase is not clear yet.

"We will see when market activity resumes next week," a trader told Fastmarkets.

Fastmarkets' price assessment for **steel reinforcing bar (rebar), domestic, exw Poland** remained at 3,600-3,800 (\$891-940) zloty per tonne on Friday, unchanged week on week.

January wire rod offers from Polish mills came in at 4,000-4,100 zloty before

holiday period, with one producer reportedly targeting a level of 4,350 zloty per tonne delivered.

And like rebar, market participants expect wire rod prices in Poland to rise in January because of surging energy costs - although it is unclear whether the market will entirely absorb an increase.

Fastmarkets' price assessment for **steel wire rod (drawing quality), domestic, delivered Poland** was 3,900-4000 zloty per tonne on Friday, also stable week on week.

The assessment was based on market participant estimates of the workable price level.

US hollow sections market signals retreat

By Mark Burgess - Friday 07 January

Deals are being made and prices for steel hollow structural sections (HSS) in the United States are finally showing signs of following hot-rolled coil lower, sources told Fastmarkets this week.

Fastmarkets' weekly price assessment for **steel hollow sections ASTM A500 Grade B domestic, fob mill US** was \$2,225-2,275 per short ton (\$111.25-113.75 per hundredweight) on Thursday January 6, down by 1.11% from a week earlier.

"The reduction is happening unofficially already," an eastern distributor source said. "It seems like it will be a \$100-per-ton decrease. It should be more, but everyone including buyers don't want to upset the market. It's now, 'let's make a deal in tubing.'"

Since pricing reached an all-time high of \$2,425-\$2,475 per ton from August 12, 2021, through November 11, 2021, HSS prices have dropped by 8.25%. HRC, the primary input cost for HSS, **has dropped by 22.82% from an all-time high of \$1,965 per ton** on September 27, 2021, **to \$1,516.60 per ton as of Wednesday January 5.**

"Activity has been decent, but with HRC down \$460 and tubing only down \$100, there will be many price drops ahead," a southern distributor source said. "I expect HRC to be at \$1,200 in the near term."

An eastern producer source agreed that pricing is on the way down but doubted it would immediately spur an increase in buying.

"This will only stimulate some spot buys to fill inventory holes," he said. "Distributors will wait to see where they feel numbers will be for February. Sentiment is we still have room to drop in HSS pricing based on HRC pricing."

China considers further steel billet imports after return to market

By Lee Allen - Friday 07 January

Chinese importers were seriously considering further bookings of steel billet imports after their return to buying activity earlier this week, market participants told Fastmarkets on Friday January 7.

Fastmarkets heard that China booked around 60,000 tonnes of Indonesia-origin 150mm 3sp blast furnace (BF) billet late on Tuesday at \$615 per tonne cfr, for shipment in early February.

There was much speculation about why cargoes were booked at prices above the workable level heard at the beginning of this week.

One Singapore-based trading source told Fastmarkets that one of the



cargoes was used to cover a short position taken by a trader on rebar futures, while an Indian steelmaker source said that he had heard that one of the cargoes was purchased by a company with links to the Indonesian billet producer.

With Chinese futures markets and local billet prices moving up further in recent days, partly because of the [rise in iron ore prices](#), importers in the country told Fastmarkets on Friday that they were already seeing higher bids for imported billet.

"Domestic billet prices [in China] went up a lot yesterday - by around 60 yuan [\$9] per tonne. I think buyers would have an interest in prices around \$610-615 per tonne cfr for imports now," a major Chinese importer source said.

"Buyers may consider \$610 per tonne cfr China for billet and, even at \$615-620 per tonne cfr, someone could gamble," a second Chinese importer said.

Fastmarkets' price assessment for 3sp-grade [steel billet, import, cfr China](#), was \$610-620 per tonne on Friday, up by \$10 per tonne from \$600-610 per tonne cfr one week before.

Philippines

Russian Far East-origin 3sp 100mm billet was sold at \$620 per tonne cfr Manila this week, Fastmarkets understood.

But the same cargo had been heard offered earlier this week at \$625-630 per tonne cfr Manila, sources said.

Traders holding a cargo of 125mm 5sp Russian Far East billet were heard asking for bids at \$630 per tonne cfr Manila this week. That followed an earlier sale of a similar cargo [at \\$630-635 per tonne cfr in late December](#).

Demand for further buying has remained muted in the Philippines, partly due to another spike in the number of Covid-19 cases recorded in Metro Manila in recent weeks, which has led to another semi-lockdown of the city, sources said.

Fastmarkets' price assessment for standard 5sp 120-150mm [steel billet, import, cfr Manila](#), was \$625-630 per tonne cfr on Friday, narrowing upward by \$5 per tonne day on day but down by \$5-10 per tonne week on week from \$630-640 per tonne cfr.

Lack of offers

Aside from the Indonesia-origin 3sp material available at \$615 per tonne cfr China earlier this week, there has been a lack of available material in the billet markets, sources said.

Following the rise in Chinese market sentiment in recent days, a Chinese trading source said that major suppliers increased their billet offer prices to China by \$5-10 per tonne.

Fastmarkets heard that one Indian BF-based mill has been seeking prices of \$590-600 per tonne fob for 3sp billet this week.

But with freight costs of around \$50 per tonne from eastern India to China for a 30,000-tonne cargo, sources said that would put the price at no less than \$645-655 per tonne cfr China once the trader's margin is added, which would be too high for China to accept.

Two Vietnamese steelmaker sources told Fastmarkets this week that they were not offering steel billet for exports because the local market was much more competitive. The local price was around \$640 per tonne fob, according to the first Vietnamese mill source, which would easily price sellers from the country out of the China and Southeast Asia import markets.

The only Vietnamese billet offer heard this week was at \$650 per tonne cfr Manila for 130mm material, a Philippines trading source said, but this price was much too high for buyers in the Philippines.

CIS export pig iron market calm on year-end holiday lull

By Marina Shulga - Friday 07 January

The market for pig iron exports from the Commonwealth of Independent States was calm in the week ended Thursday January 6 because of a lull after the year-end holiday season, Fastmarkets heard.

Trading activity was expected to rebound next week, however, when suppliers come back to the market and buyers will need to restock.

Fastmarkets' latest price assessment for high-manganese [pig iron, export, fob main port Black Sea, CIS](#), was \$490-500 per tonne on Thursday, narrowing downward from [\\$490-505 per tonne a week earlier](#).

The latest offers of pig iron were reported at \$495-500 per tonne fob in neighboring markets.

"There is demand in Turkey, because buyers have been out of the market for some time and they need to restock," one trader from Turkey said, adding that the workable price for Turkish buyers would be \$520 per tonne cfr, equivalent to \$490-495 per tonne fob.

In Italy, meanwhile, estimates of the market level from the buyers' side went down to \$525-530 per tonne cfr, about \$490-495 per tonne fob. That was down compared with the latest bookings heard in the market at \$540-545 per tonne cfr in mid-December.

Fastmarkets' weekly price assessment for [pig iron, import, cfr Italy](#), was \$530-545 per tonne on Thursday, widening downward from \$540-545 per tonne cfr.

In the United States, estimates of the market price were heard at \$530-540 per tonne cfr, equivalent to \$485-490 per tonne fob.

Fastmarkets' price assessment for low-manganese [pig iron, export, fob main port Baltic Sea, CIS](#), was \$550 per tonne on Thursday, unchanged week on week, with no activity reported.

Higher prices predicted for steel scrap in Korea, China amid rise in sentiment

By Lee Allen, Tianran Zhao - Friday 07 January

Further increases are likely in the key import steel scrap markets of South Korea and China in the coming weeks with Japanese export prices already bouncing off the market bottom, participants told Fastmarkets on Friday January 7.

- South Korea poised to purchase Japanese scrap cargoes amid rise in local market.
- Bid-offer gap narrows in China import scrap market.
- China domestic scrap market gains more ground.

South Korea

South Korean steel scrap importers are set to purchase material from Japan at higher prices following a rise in the Korean local market this week, sources said on Friday.

Two South Korean steelmaker sources told Fastmarkets that Korean domestic scrap prices rose by 20,000 won (\$17) per tonne this week, with one of the mill sources saying that this likely means the workable price for Japanese H2 to the country has risen to around ¥49,000 (\$423) per tonne fob Japan, up from the [previous deals done at ¥47,000 per tonne fob](#) on December 27-28.

One Japanese supplier said he is holding out for prices around ¥51,500 per



tonne fob Japan for H2 based on the Tokyo Steel Tahara buy price for the grade, while Fastmarkets heard a deal for H2 to Vietnam was heard closed at around ¥50,500 per tonne fob this week. Average freight costs from Korea to Japan were at ¥3,500 per tonne on Friday.

An offer for H2 scrap was heard at ¥56,000 per tonne cfr Korea late this week, with one mill said to be interested and bidding at this price, although Fastmarkets also heard that this is likely to be a much cleaner H2 than the standard supply from Japan, and that lower quality H2 was still available at lower prices to some buyers.

Fastmarkets' weekly price assessment of [steel scrap H2, Japan origin, import, cfr main port South Korea](#) was ¥52,500-55,000 per tonne on Friday, up ¥2,000-3,500 from ¥50,500-51,500 per tonne a week earlier.

"The Japanese market is lower than the Korean domestic market right now, and Japanese suppliers are thinking that this is currently the bottom of the market," the second South Korean steelmaker source said.

"There are some positive signs right now. The South Korean local market went up and the Vietnamese domestic price also increased this week. I feel that the Japanese yen will keep losing value against the US dollar, so that could mean Japan scrap regains competitiveness again," a Japanese supplier source said.

Bids were heard at ¥58,000 per tonne cfr Korea for bulk heavy scrap (HS) and at ¥57,000 per tonne cfr Korea for bulk shredded scrap on Friday. Market sources said the average freight costs from Korea to Japan were at ¥3,500 per tonne on Friday.

Offers were heard at around ¥58,000 per tonne cfr South Korea for shredded scrap, from ¥58,500-63,500 per tonne cfr for the prime Shindachi Bara and at ¥56,000-59,000 per tonne cfr for H2.

China import

Spot prices for imported scrap in China picked up on Friday amid a rise in sentiment among buyers, underpinned by bullishness in the country's local market.

Chinese ferrous markets have been buoyed this week by stronger futures markets for coal - led by Indonesia's ban on January coal exports- together with a jump in physical iron ore prices. Steel scrap has been no exception, with increased appetite and prices for the raw material heard this week.

Fastmarkets' calculation of the [steel scrap, index, heavy recycled steel materials, cfr north China](#) was \$508 per tonne on Friday, up by \$5.17 per tonne from \$502.83 per tonne on Tuesday.

Bids for imported HRS101-grade steel scrap were heard at \$500-515 per tonne cfr northern China on Friday. Market participants indicated the prevailing market prices for such material were around \$510 per tonne cfr China on the day.

But concrete trading activity was still being prevented by gaps between bids and offers, according to market sources.

Offers for HRS101 from Japan were heard at \$540-550 per tonne cfr China on Friday.

The Japanese supplier source said that although north China could pay \$510 per tonne cfr for HRS101 scrap this week, he was able to sell similar material to South Korea at around \$535 per tonne cfr, which meant that he would require at least \$550 per tonne cfr from China due to the difference in freight and other costs.

"The gaps between bids and offers [for imported scrap] have been narrowing recently, but it may still take time for buyers' acceptable price levels to increase and match expectations of overseas suppliers," a trading source based in Singapore told Fastmarkets.

"The upward momentum for scrap prices is capped. As the Chinese Lunar

New Year holiday approaches, electric arc furnace (EAF) mills will gradually suspend their productions, so scrap demand will be under pressure," a Beijing-based scrap industry analyst said.

China domestic

Major mills in eastern China raised their purchase prices for domestic steel scrap by 70-100 yuan (\$11-16) per tonne on Friday. Many other mills across the country followed suit.

Fastmarkets' weekly price assessment for [steel scrap heavy scrap, domestic, delivered mill China](#) was 3,570-3,720 yuan per tonne on Friday, up by 70-110 yuan per tonne from 3,500-3,610 yuan per tonne a week earlier.

Disregarding value-added tax, China's domestic scrap prices were around \$495-516 per tonne.

"Gains in the finished steel futures markets and the surge in iron ore prices both contributed to the scrap price rise recently. Also, some mills in need of scrap replenishment for the winter season are raising their buy prices to attract resources," the scrap industry analyst in Beijing told Fastmarkets.

Chinese spot HRC prices edge down despite rising futures

By Paul Lim, Zihuan Pan - Friday 07 January

Spot prices for hot-rolled coil in China fell on Friday January 7, despite futures prices posting a fourth straight day of gains.

Domestic

Eastern China (Shanghai): 4,900-4,930 yuan (\$769-773) per tonne, down by 20 yuan per tonne

Northern China (Tangshan) weekly assessment: 4,690-4,700 yuan per tonne, up by 30-60 yuan per tonne

Spot HRC prices in eastern China ended the week 30-60 yuan per tonne higher than last Friday's 4,840-4,900 yuan per tonne.

The most-traded HRC contract on the Shanghai Futures Exchange slipped to an intraday low of 4,608 yuan per tonne in morning trade on Friday, before it rebounded to a near three-week high of 4,684 yuan per tonne in the afternoon.

In the spot market, however, trading activity was muted on January 7 due to weak demand in a seasonal lull, traders said.

While the increase in raw materials prices and potential production curbs during the Winter Olympics (February 4-20) are offering support to steel prices, weak demand is limiting the upside potential for finished steel prices, a Beijing-based trader said.

Export

Fastmarkets' steel hot-rolled coil index export, fob main port China: \$755.29 per tonne, down by \$4.58 per tonne

Offers for SS400 HRC from mills and traders mostly stood at \$760-800 per tonne fob China on Friday, while market participants indicated that \$740-755 per tonne fob China would be workable for transactions.

Trading activity in Chinese HRC exports remained thin, with buyers shifting to lower-priced options, including India-origin SAE1006 cargoes.

One major Indian steelmaker was offering HRC at \$755 per tonne cfr Vietnam, while another had HRC available at \$770 per tonne cfr Vietnam.

The number of inquiries received by traders increased this week compared to



the week before the New Year holiday, but the number of actual trades failed to improve.

While mills attempted to hike their offers in the wake of futures price gains, tradable prices did not move higher this week with buyers resisting price increases, traders said.

But buyers in Vietnam are faced with lower HRC inventories and may need to return to the spot market soon.

"There will be more activity after Vietnamese producer Formosa Ha Tinh Steel Corp releases its offers next week," a Vietnamese trader told Fastmarkets on Friday January 7.

A major South Korean steelmaker offering HRC at \$785 per tonne cfr Vietnam and at \$800 per tonne cfr Southeast Asia.

Market chatter

"Weak demand in the domestic market has forced mills to turn to exports [and] that probably stopped export prices from moving higher," a Hangzhou-based trader said.

Shanghai Futures Exchange

The most-traded May HRC contract ended at 4,677 yuan per tonne on Friday, up by 39 yuan per tonne from [Thursday's close](#).

Seaborne coking coal prices up on serious shortage in spot market

By Min Li - Friday 07 January

The price for seaborne low-volatility pulverized coal injection material (low-vol PCI), on an fob basis, increased in the week to Friday January 7 in line with the uptrend in seaborne coking coal fob Australia prices.

Seaborne coking coal fob prices edged upward on extremely tight Australian supply to the spot market and relatively good demand, sources said.

Fastmarkets indices

Premium hard coking coal, cfr Jingtang: \$359.97 per tonne, unchanged

Hard coking coal, cfr Jingtang: \$328.35 per tonne, unchanged

Premium hard coking coal, fob DBCT: \$371.71 per tonne, up by \$1.49 per tonne

Hard coking coal, fob DBCT: \$322.65 per tonne, up by \$6.26 per tonne

Fastmarkets Weekly PCI indices

PCI low-vol, cfr Jingtang: \$234.52 per tonne, down by \$2.68 per tonne

PCI low-vol, fob DBCT: \$245.08 per tonne, up by \$5.00 per tonne

In the fob Australia market, seaborne coking coal prices continued to increase on expectations that the next trades would be sealed at higher prices. The seaborne low-vol PCI price also increased in the week to Friday, in line with the uptrend in coking coal.

"BHP is the only supplier of Australian premium hard coking coal in the spot market, and its supply is tight," a trading source in Singapore said on Friday. "Meanwhile, there is good demand from countries such as India."

He expected the seaborne premium hard coking coal price to increase gradually and every successive trade to be agreed at higher prices. "The premium hard coking coal price can reach \$400 per tonne fob Australia with an extreme supply shortage and healthy demand," he added.

In the cfr China market, seaborne coking coal prices remained flat after jumping upward on January 6. The seaborne low-vol PCI price edged downward slightly on thin trading.

A trading source in Beijing said on Friday that Australian premium hard coking coal was sold at Chinese ports for 2,200 yuan (\$344) per tonne, while Australian low-vol hard coking coal was sold at 2,050-2,100 yuan per tonne.

Offer prices for Australian coking coal have increased this week, in line with rising Chinese domestic coking coal prices, which had support from mills' restocking activity before the lunar new year and increased operation rates.

Domestic coal mines were operating at relatively low capacity before the lunar new year and would resume normal production by late February, a trading source in Beijing said.

Dalian Commodity Exchange

The most-traded May coking coal futures contract closed at 2,277.50 yuan (\$356.55) per tonne on Friday, down by 56.50 yuan per tonne.

The most-traded May coke contract closed at 3,159.50 yuan per tonne, down by 16 yuan per tonne.

Iron ore prices stable amid quiet demand for far-month laycan cargoes

By Alice Li - Friday 07 January

Seaborne iron ore prices were largely stable on Friday January 7 amid positive expectations of Chinese steel mills resuming production and limited demand for spot cargoes, sources told Fastmarkets.

Key drivers

Expectations of mills resuming production and better steel demand in the downstream market have boosted sentiment in the market, leading to an uptrend in both iron ore and steel futures prices.

Overall trading activity in north and east China's ports and the seaborne market declined from Thursday, mainly due to some steel mills only restocking on a demand basis with small volumes, while traders only showed buying interest for low-grade Australia fines with a discount, some traders told Fastmarkets.

Lump ore demand increased in both portside and seaborne markets this week due to high cost efficiency compared with pellet, amid the sintering restrictions in northern China, an Anhui-based mill source said.

The most-traded May iron ore futures contract on the Dalian Commodity Exchange inched higher to end the day up by 0.3% from Thursday's closing price of 717 yuan (\$113) per tonne.

The iron ore forward-month swap contracts on the Singapore Exchange also rose on the day. By 6:25 pm Singapore time, the most-traded February contract was up by \$3.07 per tonne compared with Thursday's settlement price of \$124.25 per tonne.

Fastmarkets iron ore indices

62% Fe fines, cfr Qingdao: \$128.03 per tonne, up \$0.45 per tonne

62% Fe low-alumina fines, cfr Qingdao: \$129.00 per tonne, unchanged

58% Fe fines high-grade premium, cfr Qingdao: \$99.71 per tonne, unchanged



65% Fe Brazil-origin fines, cfr Qingdao: \$154.00 per tonne, down \$2.00 per tonne

63% Fe Australia-origin lump ore premium, cfr Qingdao: \$0.2800 per dry metric tonne unit (dmtu), unchanged

62% Fe fines, fot Qingdao: 840 yuan per wet metric tonne (implied **62% Fe China Port Price:** \$121.76 per dry tonne), down by 7 yuan per wmt

Quote of the day

"After consecutive days of high trading activity, the market seems calmer. Port prices have weakened slightly, but seaborne cargoes look to be quite steady compared with the previous day," a northern China trading source said.

Trades/offers/bids heard in the market

BHP, Globalore, 110,000 tonnes of 62% Fe Jimblebar fines, traded at February average of two 62% Fe indices plus a discount of \$21.50 per tonne, laycan February 1-10.

BHP, Beijing Iron Ore Trading Center, 100,000 tonnes of 56.7% Fe Yandi fines, offered at the February average of two 62% Fe indices plus a discount of \$19.35 per tonne, laycan February 1-10 (bid made at the February average of two 62% Fe indices plus a discount of \$20 per tonne).

Rio Tinto, Globalore, 70,000 tonnes of 62.5% Fe Pilbara Blend lump, offered at the February average of a 62% Fe index plus a lump premium of \$0.3070 per dry metric tonne unit, laycan February 5-14.

Market participant indications

Fastmarkets index for iron ore 62% Fe fines

Pilbara Blend fines: \$125-128 per tonne cfr China
Brazilian Blend fines: \$128-135 per tonne cfr China
Newman fines: \$125.54-129.37 per tonne cfr China
Mac fines: \$119.85-122.37 per tonne cfr China
Jimblebar fines: \$101.45-107.09 per tonne cfr China

Fastmarkets index for iron ore 65% Fe Brazil-origin fines

Iron Ore Carajas: \$152-157 per tonne cfr China

Port prices

Pilbara Blend fines were traded at 815-829 yuan per wmt in Shandong province and Tangshan city on Friday, compared with 815-860 yuan per wmt on Thursday.

The latest range is equivalent to about \$118-120 per tonne in the seaborne market.

Dalian Commodity Exchange

The most-traded May iron ore futures contract closed at 719 yuan (\$113) per tonne on Friday, up by 2 yuan per tonne from Thursday's closing price.

Alex Theo in Singapore contributed to this article.

Vietnamese HRC import demand expected to recover soon on depleting inventories - sources

By Paul Lim - Friday 07 January

Spot demand for imported rerolling-grade hot-rolled coil in the Vietnam market could recover soon after two bearish months, market sources told Fastmarkets.

Galvanizers and other end users are expected to increase their purchasing activity in the near term after refraining from buying for an extended period.

"Buyers may come back in the second half of January to book late-February or March-shipment cargoes for after the Tet Festival," a Vietnamese trader said.

One industry source in the galvanizing sector said galvanizing mills may soon face low inventories of HRC substrate and may come back into the spot market soon.

"Some overseas buyers of galvanized coil may also look for imports soon," the source said.

But the market will await Formosa Ha Tinh Steel's offer first, before buyers start importing HRC in larger quantities.

"Because the Tet Festival is coming soon, Formosa Ha Tin Steel may list their HRC offers as soon as next week," a seller source in East Asia said.

Lower offers

The possible increase in demand has so far not materialized, with Indian steelmakers lowering their offers for HRC cargoes to entice buyers. Market sources said they were attempting to export more material in light of the weak domestic markets.

A major Indian steelmaker offered material at \$755 per tonne cfr Vietnam, while another Indian steelmaker offered at \$770 per tonne cfr Vietnam.

"The lowest the steelmakers may accept could be \$750-755 per tonne cfr Vietnam," an Indian seller source familiar with the situation told Fastmarkets.

There was market chatter that a 30,000-tonne Indian HRC cargo had been booked at \$720-730 per tonne fob, which is equivalent to around \$750-760 per tonne cfr Vietnam.

This could not be confirmed by the parties heard to be involved however, especially due to the thin buying interest.

"Buyers are bidding lower and lower, whenever the spot price is trending down," a second seller source in India told Fastmarkets.

Key market participants in Vietnam, including a major stockist, reported limited interest from buyers. But some indicated spot price levels at \$750-760 per tonne cfr Vietnam.

Some traders have been actively sounding out Indian steelmakers for material.

Fastmarkets' assessment of **steel HRC import, cfr Vietnam**, which mainly looks at 2-3mm rerolling-grade SAE1006 HRC and equivalent products, was \$750-760 per tonne cfr Vietnam on Friday January 7, widening downward by \$10 per tonne from \$760 per tonne a week earlier.

A major South Korean steelmaker offered HRC at \$785 per tonne cfr Vietnam



and at \$800 per tonne cfr Malaysia, Indonesia and Thailand.

A major Japanese steelmaker has sold out February-shipment material and will only offer March-shipment material next week after Formosa Ha Tinh Steel releases its new offer.

Fastmarkets' assessment of steel HRC (Japan, Korea, Taiwan-origin), import, cfr Vietnam was \$785 per tonne on Friday, down by \$25 per tonne from \$810 per tonne a week earlier.

Sentiment improves in Vietnam scrap import market; demand sees slight uptick

By Paul Lim - Friday 07 January

Vietnam's scrap import market is starting to see more signs of spot activity, with buyers looking to source overseas material, market participants told Fastmarkets on Friday January 7.

Transactions were concluded at \$485-490 per tonne cfr Vietnam for bulk Japanese H2 scrap, up from offers at \$480 per tonne cfr Vietnam in recent weeks.

"Demand is slowly increasing, and I expect more demand after the Tet Festival [on January 31-February 4]," a seller source in Vietnam told Fastmarkets on Friday January 7.

Sentiment is being supported by a number of factors, sellers said, including higher import prices in Turkey and surging iron ore and coking coal prices in China.

Even offers for Hong Kong-origin H1&H2 (50:50) have increased, with Hong Kong scrapyards not offering less than \$485-490 per tonne cfr Vietnam.

A transaction was heard concluded at \$468 per tonne cfr Vietnam for a cargo of Hong Kong-origin H1&H2 (50:50) this week, sources said.

Fastmarkets' weekly price assessment for steel scrap H2, Japan-origin import, cfr Vietnam was \$485-490 per tonne on Friday January 7, increasing by \$5-10 per tonne week on week.

Some market participants still expressed limited interest in imports because of the Covid-19 situation, however, maintaining that offers for bulk Japanese H2 had been heard at \$480 per tonne cfr Vietnam and bulk Japanese H1&H2 (50:50) at \$485 per tonne cfr Vietnam earlier this week.

There were limited offers for other higher-grade material such as Japanese heavy scrap (HS) or Shindachi scrap.

"Many Japanese suppliers have only just returned to their workplaces and they will wait until after the Kanto Tetsugen auction next week [before offering] high-grade cargoes," a buyer source in Vietnam told Fastmarkets on Friday.

Offers for bulk cargoes of heavy melting scrap (HMS) 1&2 (80:20) from the United States West Coast were heard at \$500 per tonne cfr Vietnam this week, down by \$10 per tonne week on week.

A buyer said it had been offered the material at \$495 per tonne cfr Vietnam, but this could not be confirmed at the time of publication.

Buyers were indicating that they could purchase HMS at \$490-495 per tonne cfr Vietnam, although no transactions were heard concluded.

Sellers in the US have withdrawn their offers for containerized cargoes in light of the rebounding Turkish market and rising iron ore and coking coal prices, sources said.

Fastmarkets' weekly price assessment for deep-sea bulk cargoes of steel scrap, HMS 1&2 (80:20), cfr Vietnam was \$500 per tonne on Friday January 7, unchanged week on week.

Taiwan scrap market likely to become more active next week - sources

By Paul Lim - Friday 07 January

Spot prices for imported containerized ferrous scrap in Taiwan fell during the first half of the week to Friday January 7, before strengthening in the second half, with market participants expecting more spot activity from next week

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 \$432-440 per tonne on Friday, up \$2-8 day on day, but down \$2-8 per tonne from \$440-442 per tonne a week earlier.

A major electric-arc furnace operator in Taiwan kept its purchase price for local scrap and its domestic selling price for rebar unchanged during the week.

There were transactions for containerized ferrous scrap heard at \$430 per tonne cfr Taiwan in the early part of the week, although spot activity and volumes sold were limited.

Buyers maintained their bids at \$430 per tonne cfr Taiwan early in the week, following transactions late last week at the same levels, including for distressed cargoes from Australia. But bids increased toward later in the week for a number of reasons.

An increase in spot prices in the bellwether Turkey import market for US and Europe-origin material improved sentiment in the second half of the week, with Fastmarkets' daily indices for steel scrap, HMS 1&2 (80:20 mix), cfr Turkey gaining \$7.28 per tonne.

In addition, higher spot prices for raw materials iron ore and coking coal, as well as finished steel products, in the Chinese market have been supportive.

"There have been more inquiries from steelmakers from Thursday onward. There will likely be more spot activity next week," a trader in Taiwan told Fastmarkets.

Offers for US-origin containerized scrap were heard at \$432-440 per tonne cfr Taiwan at the start of the week, before increasing to \$435-440 per tonne cfr Taiwan in the latter part.

"The number of offers decreased drastically by Friday," a buyer source in Taiwan said.

Bulk cargoes of Japanese H1&H2 scrap (50:50) were offered in a wide range of \$470-475 per tonne cfr Taiwan in the week, against bids at \$460-465 per tonne cfr Taiwan.

"Bids have been increasing day by day," a Japanese trader told Fastmarkets.

But much will depend on the Kanto Tetsugen auction next week, a scrap trader in Singapore told Fastmarkets.

"The next Kanto Tetsugen auction result will set a determinant price for Asia in the coming weeks, particularly with Lunar New Year fast approaching and the anticipated typical upswing in demand to come after that," he said.



China's domestic rebar prices dip on early futures losses

By Zihuan Pan - Friday 07 January

China's domestic rebar prices declined on Friday January 7 following losses in the futures market earlier in the day.

Domestic

Eastern China (Shanghai): 4,700-4,740 yuan (\$737-744) per tonne, down by 20 yuan per tonne

Northern China (Beijing) weekly assessment: 4,500-4,550 yuan per tonne, unchanged

Traders lowered their offers by 10-20 yuan per tonne on Friday morning from a day earlier after the most-traded rebar contract on the Shanghai Futures Exchange slipped to an intraday low of 4,455 yuan per tonne during early trading.

Traders reported that trading activity in eastern China was the same as that on Thursday.

While weakening demand took away the upward momentum in the spot market, low inventory levels, a shortage of certain grades and the rising cost of raw materials are offering support to spot rebar prices, a Shanghai-based industry analyst said.

Market chatter

"Rebar prices are expected to continue to fluctuate in the short term. Prices have yet to find a direction, with support from raw materials increasing and a possibility that production curbs might be instituted during the Winter Olympics. Meanwhile, weak demand is weighing on prices," a Beijing-based industry analyst said.

Billet

As of 3pm on Friday, **billet in Tangshan** was being traded at 4,320 yuan per tonne, including value-added tax - up by 20 yuan per tonne from the previous day.

Shanghai Futures Exchange

The most-traded May rebar futures contract closed at 4,526 yuan per tonne on Friday, up by 32 yuan per tonne from **Thursday's close**.

Non-ferrous scrap

A380 alloy price rises on Omicron surge

By Orla O'Sullivan - Friday 07 January

The benchmark secondary aluminium alloy, A380.1, reached a new high on Thursday January 6, with almost all alloys increasing following a surge in the Omicron variant of Covid-19.

SECONDARY ALUMINIUM ALLOYS (cents per lb)		
Secondary Alloys	01/06/2022	12/30/2021
A380.1	142-147	140-145
319.1	151-153	150-153
356.1	176-180	175-180
A360.1	177-181	177-181
A413.1	183-187	183-185

As a result, worsening labor shortages further limited alloy production. Producers, meanwhile, paid more for raw materials, such as silicon, which **remains at a record high**.

Fastmarkets' assessment for secondary aluminium alloy A380.1, delivered Midwest hit \$1.42-1.47 per lb on Thursday, up from \$1.40-1.45 per lb on

December 30 and a new all-time high.

The United States set a new record for Covid-19 infections during the assessment week. More than 1 million cases were detected in a single day on January 3, according to **data compiled by Johns Hopkins University** - the highest level since Covid-19 was declared a pandemic in March 2020. US cases have risen sharply following year-end holiday gatherings.

Multiple producers told Fastmarkets that they had turned away business this past week due to a lack of workers needed to produce more alloys.

"The labor shortage, which I thought was improving, has turned sour again as time off for Covid-related symptoms has increased. We are modifying our prices to keep up with demand," one producer source said.

The most expensive of the secondary aluminium alloys priced by Fastmarkets weekly remains the one with the highest silicon content, A413.1. The price for **A413.1, delivered Midwest** was assessed at \$1.83-1.87 per lb on January 6, up from \$1.83-1.85 per lb the previous Thursday.

Fastmarkets assessed the price of **silicon, ddp US** at \$4.75-5.00 per lb on Thursday, unchanged since it hit that level on December 16.

Alloy makers who had been buying silicon on annual contract terms fixed in advance for 2021 are facing price increases as they enter 2022, they said.

Mill-grade Al scrap prices continue to rise

By Kirstyn Petras - Friday 07 January

Mill-grade aluminium scrap prices rose on Thursday January 6, with market sources citing increases in the Midwest transaction premium.

"Most changes [are] on the primary side," one seller source said on January 6.

Fastmarkets' assessment of the **aluminium scrap segregated low copper alloy clips 5052, mills specialty consumers' buying price, fob shipping point US** rose to \$1.40-1.42 per lb on Thursday, up from \$1.38-1.40 per lb on December 30.

The assessment of the **aluminium scrap segregated low copper alloy clips 3105, mills specialty consumers' buying price, delivered consumer US** similarly rose to \$1.01-1.04 per lb on January 6 from \$1.00-1.03 per lb the previous week.

The specialty consumers' buying price for **aluminium scrap painted siding, delivered consumer US** rose to \$0.97-1.00 per lb from \$0.95-0.98 per lb in the same comparison.

The assessment of the specialty consumers' buying price for **mixed low copper clips, delivered consumer US** also rose to \$0.99-\$1.03 per lb on Thursday from \$0.98-\$1.02 per lb the previous week.

"[The Midwest transaction premium] is going up again and primary prices are going up," a market source said on January 6, noting that "secondary prices are holding and may creep up."

Fastmarkets' assessment of the **aluminium P1020A all-in price, delivered Midwest US** rose to \$1.6075-1.6275 per lb on January 6 from \$1.5716-1.5916 per lb on December 30, and the **aluminium P1020A premium, ddp Midwest**



US increased to 30.50-32.25 cents per lb on January 7 from 29-31 cents per lb in the previous assessment on January 4.

The London Metal Exchange's three-month aluminium contract also registered increases during the week, closing the official session at \$2,923.50 per tonne (\$1.33 per lb) on January 6, up by 3.47% from \$2,825.50 per tonne on December 30.

With the exception of used beverage cans, smelter grade aluminium prices were steady during the week, with one source indicating there had been "no real changes" from the previous week.

Fastmarkets' assessment of the [aluminium scrap used beverage cans \(UBCs\), domestic aluminum producer buying price, fob shipping point US](#) increased to 93-95 cents per lb on January 6 from 90-93 cents per lb on December 30.

Sources have cited gains in UBC demand in recent weeks.

Fastmarkets' assessment of other smelter-grade aluminium scrap stayed steady on the week. The buying price for [aluminium scrap mixed low copper clips, delivered Midwest secondary smelters](#) was flat at 73-77 cents per lb on January 6.

The buying price for [aluminium-copper radiators, delivered to Midwest secondary smelters](#) was also unchanged at \$2.00-2.10 per lb on Thursday.

The assessment of the [aluminium scrap non-ferrous auto shred \(90% Al\) buying price, delivered to Midwest secondary smelters](#) was similarly stable at 78-82 cents per lb on Thursday, as was that for [zorba 95/3 min, basis delivered US facility](#) at 63-64 cents per lb.

SECONDARY ALUMINIUM PRICES

(cents per lb, delivered to Midwest)

Secondary Smelters' Scrap*	01/06/2021	12/30/2021
Mixed low-copper clips	73-77	73-77
Mixed high-copper clips	71-75	71-75
Mixed high-zinc clips	64-68	64-68
1-1-3 sows	73-75	73-75
Siding	71-74	71-74
Mixed clips	66-70	66-70
Old sheet	69-72	69-72
Old cast	68-72	68-72
Turnings, clean and dry (high grade)	69-73	69-73
Turnings, clean and dry (mixed grade)	58-62	58-62
Aluminium-copper radiators	200-210	200-210
Non-ferrous auto shred (twich)	78-82	78-82
Zorba (95/3)	63-64	63-64
Used beverage cans	93-95	90-93
Mills, Specialty Consumers' Scrap*	01/06/2021	12/30/2021
Segregated low-copper alloy clips (5052)	140-142	138-140
Segregated low-copper alloy clips (3105)	101-104	100-103
Mixed low-copper alloy clips	99-103	98-102
Painted siding	97-100	95-98
* Buying price		Source: Fastmarkets

Steel scrap

Price notice: Ferrous scrap settlements

By Thorsten Schier - Friday 07 January

Fastmarkets advises that no monthly regional scrap markets have settled for January. Fastmarkets typically settles these markets on or before the 10th of the month. Markets not settled on Monday January 10 will be specified in a further notice.

[Detroit consumers entered the market](#) on Friday January 7, generally buying scrap at \$60 per gross ton lower than in December.

To provide feedback on this notice, please contact Thorsten Schier by email at pricing@fastmarkets.com. Please add the subject heading: FAO: Thorsten Schier, re: Scrap prices.

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

UK light iron scrap market drops on slower export business

By Declan Conway - Friday 07 January

The UK light iron price dropped by £5 per tonne in the first week of the new year, with suppliers cutting their offer prices against slower business into deep-sea destinations such as Turkey and the Indian subcontinent in recent weeks, sources told Fastmarkets.

The UK steel scrap market is now focusing on negotiations between suppliers and domestic steel mills for monthly deliveries in January. Market sentiment so far suggests either a rollover or a small decrease from December, although much will depend on export demand, with 80-90% of British scrap generated each year sold abroad.

Turkish scrap import prices from Europe have dropped in the past few weeks, although the market price rose on Friday January 7 on a raft of new deals. The European market into the Indian subcontinent tends to track Turkish trading, although that relationship detached to a degree last year, with prices into India and Pakistan more resilient than usual on firm demand from those two countries.

Fastmarkets assessed the price of [steel scrap 5C, loose old light, domestic, delivered inter-merchant UK](#) at £180-195 (\$244-264) per tonne on Friday, down £5 from December 31.

"Turkish prices are down by around \$15 per tonne in the past few weeks, but a shortage of steel scrap availability in the UK will continue to underpin British prices for a few months yet," one UK industry source said. "It is too early to be sure of price direction in the UK monthly market but we would guess a rollover at this stage, although we're not on the final lap of talks yet."

"The Turkish market could get messy, what with high inflation there, a



weakening lira and subdued steel demand," one UK-based scrap trader said. "However, if they buy and sell in dollars we can't see the problem. The UK monthly market we don't know for sure yet, sources are talking either a rollover or £10 per tonne down. We're not sure if either suppliers or UK consumers will win that battle, but unless the foreign markets change then the January price may be off a bit," the trader added.

General steadiness in the UK light iron market in the past quarter, however, reflects the renewed strength in monthly delivery settlements to domestic consumers, which were [rolled over in December](#) after a jump in November.

There has been a tangible fall in scrap supplies in the past 12 months due to car production being cut in the UK and across Europe because of a shortage of microchips used in onboard electronics. The seasonal winter reduction in demolition and construction projects in the northern hemisphere has added

to this shortage.

In European steel scrap export markets, Fastmarkets calculated the daily index for [steel scrap, HMS 1&2 \(80:20 mix\), North Europe origin, cfr Turkey](#) at \$461.59 per tonne on Friday, up from \$450.88 per tonne on Friday December 31. The market was at \$477.63 per tonne on December 1.

The corresponding weekly calculation of the [steel scrap shredded index, import, cfr Nhava Sheva, India](#) was \$526.20 per tonne on Friday, compared with \$515.00 per tonne on December 31.

In Pakistan, Fastmarkets calculated its weekly [steel scrap, shredded, index, import, cfr Port Qasim, Pakistan](#) at \$544.51 per tonne, compared with \$534.27 per tonne on December 31.

Industrial minerals

China's magnesia market flat post-holiday; environmental inspections start in Liaoning

By Carrie Shi - Friday 07 January

China's magnesia market was quiet after the new year holidays, with most prices stable. The government of Liaoning has started a new round of environmental inspections, which will last till March 13.

Export prices for all grades of China-origin magnesia were unchanged after the new year holidays, amid thin buying from downstream buyers and relatively stable domestic magnesia prices.

Fastmarkets assessed [magnesia, fused, 97% MgO, Ca:Si 2:1, lump, fob China](#) at \$800-900 per tonne on Tuesday January 4, unchanged from the previous week.

The assessment of the [spot price for magnesia, dead burned, 90% MgO, lump, fob China](#) was \$290-320 per tonne on the same day, also unchanged from a week earlier.

"As most overseas buyers are still on holiday or just back from the new year holiday, we have no new magnesia export orders, and export prices stand still without any changes," one exporter said.

"We have no post-holiday transactions yet and both domestic and export markets are flat. For the domestic market, buyers might start to place orders

next week in preparation ahead of China's Lunar New Year because logistics will gradually slow down from the middle of January," a producer told Fastmarkets.

Meanwhile, the Department of Ecology and Environmental of Liaoning Province announced on Thursday it will carry out environmental inspections to monitor adherence to environmental regulations.

Liaoning authority has sent inspection teams to nine cities within the province, including magnesia production hubs Anshan and Yingkou, with the inspection team expected to enter Haicheng in Anshan this week, according to sources.

Some market participants expect the impact of the inspections on magnesia prices to be limited because most major magnesia producers' production is in line with environmental standards. But others were concerned about magnesia supply if more production restrictions are imposed following the Winter Olympics in February.

"I don't think [there will be a] big effect on prices due to this round of environment checks, [because] there are still many magnesia stocks available on the market," a buyer told Fastmarkets.

"Most of our customers in Japan have been purchasing sufficient magnesia in the past month, which can support their production till the end of the first quarter. So I think this round of inspections will not push magnesia prices to a much higher level," a trader said.

"As the Winter Olympic Games will start in February, we don't know whether the environmental inspections will be upgraded later by halting more magnesia production in February. But as the environmental checks will also end in the middle of March, supply might increase again at that time, so I will take a watchful stance," a second buyer said.

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	07 Jan 2022	128.03	0.35%	Dec 2021	115.25
MB-IRO-0009	Iron ore 65% Fe Brazil-origin fines, cfr Qingdao, \$/tonne	07 Jan 2022	154	-1.28%	Dec 2021	132.02
MB-IRO-0010	Iron ore 63% Fe Australia-origin lump ore premium, cfr Qingdao, US cents/dmtu	07 Jan 2022	28	0.00%	Dec 2021	15.17
MB-IRO-0011	Iron ore 62% Fe fines, fot Qingdao, yuan/wet tonne	07 Jan 2022	840	-0.83%	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	07 Jan 2022	77.21	0.00%	Dec 2021	69.6
MB-IRO-0016	Iron ore 58% Fe fines high-grade premium, cfr Qingdao, \$/tonne	07 Jan 2022	22.5	0.00%	Dec 2021	18.54
MB-IRO-0017	Iron ore 58% Fe fines high-grade premium index, cfr Qingdao, \$/tonne	07 Jan 2022	99.71	0.00%	Dec 2021	88.14
MB-IRO-0018	Iron ore 62% Fe fines, % Fe VIU, cfr Qingdao, \$/tonne	07 Jan 2022	1.94	0.00%	Dec 2021	2.11
MB-IRO-0019	Iron ore 65% Fe fines, % Fe VIU, cfr Qingdao \$/tonne	07 Jan 2022	2.54	0.00%	Dec 2021	2.29
MB-IRO-0020	Iron ore 62% Fe fines, % Si VIU, cfr Qingdao, \$/tonne	07 Jan 2022	(5.25)		Dec 2021	(4.94)
MB-IRO-0021	Iron ore 62% Fe fines, % Al2O3 VIU, cfr Qingdao, \$/tonne	07 Jan 2022	(6.47)		Dec 2021	(6.33)
MB-IRO-0022	Iron ore 62% Fe fines, fot Qingdao, \$/tonne conversion	07 Jan 2022	121.76	-1.17%	Dec 2021	109.62
MB-IRO-0024	Iron ore 62% Fe fines, 0.01% P VIU, cfr Qingdao, \$/tonne	07 Jan 2022	(0.85)		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	07 Jan 2022	129	0.00%	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	31 Dec 2021	2175 - 2800	0.00%	Dec 2021	2175 - 2692
MB-COA-0002	Hard coking coal, cfr Jingtang, \$/dmt	07 Jan 2022	328.35	0.00%	Dec 2021	325.14
MB-COA-0003	Premium hard coking coal, fob DBCT, \$/dmt	07 Jan 2022	371.71	0.40%	Dec 2021	340.4
MB-COA-0004	Hard coking coal, fob DBCT, \$/dmt	07 Jan 2022	322.65	1.98%	Dec 2021	287.44
MB-COA-0005	Premium hard coking coal, cfr Jingtang, \$/dmt	07 Jan 2022	359.97	0.00%	Dec 2021	355.52
MB-COA-0006	Coke 65% CSR, fob China, \$/tonne	04 Jan 2022	535 - 550	3.33%	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	03 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	03 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	03 Jan 2022	550 - 580	-5.04%	Dec 2021	580 - 610
MB-IRO-0079	Pig iron basic grade, Ukraine/Russia, fob New Orleans, \$/tonne	03 Jan 2022	550 - 580	-5.04%	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	07 Jan 2022	900	-0.28%	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	07 Jan 2022	815	0.00%	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	04 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	04 Jan 2022	76000	0.00%	Dec 2021	75000 - 76250
MB-STE-0468	Steel hot-rolled coil index, fob mill US, \$/short ton	07 Jan 2022	1507.8	-1.35%	Dec 2021	
MB-STE-0184	Steel hot-rolled coil index, fob mill US, \$/cwt	07 Jan 2022	75.39	-1.35%	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	07 Jan 2022	755.29	-0.60%	Dec 2021	772.92
MB-STE-0154	Steel hot-rolled coil domestic, ex-whs Eastern China, yuan/tonne	07 Jan 2022	4900 - 4930	-0.41%	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	04 Jan 2022	765 - 820	0.00%	Dec 2021	800 - 828.75
MB-STE-0113	Steel hot-rolled coil import, cfr Saudi Arabia, \$/tonne	04 Jan 2022	790 - 830	0.00%	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	04 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	04 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	04 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	04 Jan 2022	850 - 860	-0.29%	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	04 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	04 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	04 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	04 Jan 2022	770 - 795	-1.57%	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	04 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	04 Jan 2022	690 - 720	0.00%	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	04 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	04 Jan 2022	2443 - 2470	0.00%	Dec 2021	2439.75 - 2475
MB-STE-0127	Steel reinforcing bar (rebar) import, cfr Jebel Ali, UAE, \$/tonne	04 Jan 2022	649 - 667	0.00%	Dec 2021	649 - 667
MB-STE-0142	Steel reinforcing bar (rebar) import, cfr Singapore, \$/tonne	03 Jan 2022	705 - 710	-0.35%	Dec 2021	711.25 - 713.75
MB-STE-0147	Steel reinforcing bar (rebar) index export, fob China main port, \$/tonne	04 Jan 2022	740	-4.49%	Dec 2021	781.72
MB-STE-0152	Steel reinforcing bar (rebar) domestic, ex-whs Eastern China, yuan/tonne	07 Jan 2022	4700 - 4740	-0.42%	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	04 Jan 2022	730 - 800	0.00%	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	03 Jan 2022	710	0.00%	Dec 2021	710
MB-STE-0148	Steel wire rod (mesh quality) export, fob China main port, \$/tonne	04 Jan 2022	745 - 750	0.00%	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	07 Jan 2022	595	0.00%	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	07 Jan 2022	625 - 630	0.40%	Dec 2021	634.13 - 639.35
MB-STE-0157	Steel billet domestic, exw Tangshan, Northern China, yuan/tonne	07 Jan 2022	4320	0.47%	Dec 2021	4339.57
MB-STE-0890	Steel billet, import, cfr China, \$/tonne	07 Jan 2022	610 - 620	1.65%	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	04 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	03 Jan 2022	625 - 635	-1.95%	Dec 2021	647.5 - 663.75
MB-STE-0016	Steel slab export, fob Black Sea, CIS, \$/tonne	04 Jan 2022	580 - 600	0.00%	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	14 Dec 2021	2525 - 2705	0.00%	Dec 2021	2525 - 2705
MB-STE-0062	Steel seamless OCTG API 5CT - Casing P110, import, cif Houston, \$/short ton	14 Dec 2021	1825 - 1925	0.00%	Dec 2021	1825 - 1925
MB-STE-0063	Steel OCTG API 5CT - Casing J55, fob mill US, \$/short ton	14 Dec 2021	2250 - 2350	0.00%	Dec 2021	2250 - 2350
MB-STE-0071	Steel seamless OCTG API 5CT - Casing P110, fob mill US, \$/short ton	14 Dec 2021	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	14 Dec 2021	2425 - 2475	-2.00%	Dec 2021	2425 - 2475
MB-STE-0561	Steel ERW line pipe (X65), fob mill US, \$/short ton	14 Dec 2021	2550 - 2600	-1.90%	Dec 2021	2550 - 2600
MB-STE-0564	Steel welded OCTG API 5CT - Casing P110, fob mill US, \$/short ton	14 Dec 2021	2200 - 2300	4.65%	Dec 2021	2200 - 2300
MB-STE-0565	Steel welded OCTG API 5CT - Casing P110, import, cif Houston, \$/short ton	14 Dec 2021	1900 - 1950	2.67%	Dec 2021	1900 - 1950
MB-STE-0869	Steel OCTG API 5CT - Casing J55 import South Korean-made, cif Houston, \$/short ton	14 Dec 2021	1750 - 1800	2.16%	Dec 2021	1750 - 1800
MB-STE-0870	Steel OCTG API 5CT - Casing J55 import non-South Korean-made, cif Houston, \$/short ton	14 Dec 2021	1800 - 1850	2.82%	Dec 2021	1800 - 1850
MB-STE-0871	Steel ERW line pipe (X52) import South Korean-made, cif Houston, \$/short ton	14 Dec 2021	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	14 Dec 2021	2135 - 2235	0.00%	Dec 2021	2135 - 2235
MB-STE-0873	Steel ERW line pipe (X70), fob mill US, \$/short ton	14 Dec 2021	2600 - 2650	-1.87%	Dec 2021	2600 - 2650

Stainless & special steel prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STS-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-STS-0035	Stainless steel 304 cold-rolled sheet, fob mill US, \$/cwt	10 Dec 2021	200	4.17%	Dec 2021	200
MB-STS-0034	Stainless steel 304L cold-rolled sheet, fob mill US, \$/cwt	10 Dec 2021	204	4.08%	Dec 2021	204
MB-STS-0037	Stainless steel 316L cold-rolled sheet, fob mill US, \$/cwt	10 Dec 2021	278	3.73%	Dec 2021	278
MB-STS-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-STS-0004	Stainless steel bright bar grade 304 alloy surcharge domestic, Europe, €/tonne	07 Jan 2022	2993 - 3330	0.00%	Dec 2021	2993 - 3330
MB-STS-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-STS-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-STS-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-STS-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-STS-0283	Stainless steel hot-rolled coil grade 304 export, fob China, \$/tonne	05 Jan 2022	2850 - 2900	1.59%	Dec 2021	2756 - 2830
MB-STS-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-STS-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-STS-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-STS-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-STS-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	04 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	04 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	04 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	04 Jan 2022	8100 - 8400	-1.20%	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	04 Jan 2022	1.07	-6.14%	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	04 Jan 2022	1.71	-3.39%	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	04 Jan 2022	1.41 - 1.5	0.00%	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	04 Jan 2022	1.72 - 1.92	0.00%	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	07 Jan 2022	432 - 434	1.41%	Dec 2021	419.9 - 422.67
MB-CU-0306	Copper scrap No1 copper, buying price, delivered to brass ingot makers, US cents/lb	07 Jan 2022	418 - 421	1.45%	Dec 2021	407.24 - 410.95
MB-CU-0302	Copper scrap No1 copper, buying price, delivered to brass mill US, US cents/lb	07 Jan 2022	430.5	1.41%	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	07 Jan 2022	428	1.42%	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	07 Jan 2022	393.5	1.55%	Dec 2021	380.45
MB-CU-0307	Copper scrap No2 copper, buying price, delivered to brass ingot makers, US cents/lb	07 Jan 2022	387 - 391	1.57%	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	07 Jan 2022	383 - 386	1.59%	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	03 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	03 Jan 2022	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	28 Dec 2021	80 - 85	0.00%	Dec 2021	80 - 85
MB-PB-0003	Lead scrap remelt buying price, delivered smelters US, \$/cwt	28 Dec 2021	87 - 90	0.00%	Dec 2021	87 - 90
MB-PB-0002	Lead scrap cable buying price, delivered smelters US, \$/cwt	28 Dec 2021	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	28 Dec 2021	26 - 28	0.00%	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	28 Dec 2021	66 - 69	0.00%	Dec 2021	66 - 69
MB-ZN-0003	Zinc scrap new zinc clippings buying price, delivered smelters US, US cents/lb	28 Dec 2021	85 - 88	0.00%	Dec 2021	85 - 88
MB-ZN-0002	Zinc scrap galvanizers dross buying price, delivered smelters US, US cents/lb	28 Dec 2021	84 - 88	0.00%	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	07 Jan 2022	33.85 - 34.3	0.24%	Dec 2021	32.78 - 33.56
MB-CO-0004	Cobalt alloy grade, in-whs Rotterdam, \$/lb	07 Jan 2022	33.85 - 34.3	0.24%	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

Europe minor metals prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CO-0004	Cobalt alloy grade, in-whs Rotterdam, \$/lb	07 Jan 2022	33.85 - 34.3	0.24%	Dec 2021	32.78 - 33.56
MB-CO-0005	Cobalt standard grade, in-whs Rotterdam, \$/lb	07 Jan 2022	33.85 - 34.3	0.24%	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
MB-CO-0001	Cobalt 99.8% Co min, ex-works China, yuan/tonne	07 Jan 2022	496000 - 506000	-0.40%	Dec 2021	474500 - 484800

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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-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	12 Oct 2021	11 - 13	0.00%	Dec 2021	11 - 13
MB-TI-0006	Titanium bar alloy AMS 4928, fob shipping point US, \$/lb	12 Oct 2021	24 - 25	0.00%	Dec 2021	24 - 25
MB-TI-0004	Titanium ingot 6Al-4V, fob shipping point US, \$/lb	12 Oct 2021	8 - 8.5	0.00%	Dec 2021	8 - 8.5
MB-TI-0008	Titanium sheet commercially pure, fob shipping point US, \$/lb	12 Oct 2021	13 - 15	0.00%	Dec 2021	13 - 15
MB-TI-0005	Titanium plate alloy AMS 4911, fob shipping point US, \$/lb	12 Oct 2021	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	07 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	04 Jan 2022	160 - 170	0.00%	Dec 2021	160 - 170
MB-AL-0307	Aluminium P1020A premium, fca South Korea, \$/tonne	04 Jan 2022	175 - 185	0.00%	Dec 2021	175 - 185
MB-AL-0329	Aluminium P1020A premium, cif Taiwan, \$/tonne	29 Dec 2021	160 - 200	-4.00%	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	07 Jan 2022	300 - 320	0.00%	Dec 2021	250.24 - 266.43
MB-AL-0004	Aluminium P1020A premium, in-whs dp Rotterdam, \$/tonne	07 Jan 2022	415 - 450	1.76%	Dec 2021	321.11 - 345
MB-AL-0316	Aluminium P1020A premium, fca dp Italy, \$/tonne	04 Jan 2022	420 - 450	6.10%	Dec 2021	377.5 - 396.25
MB-AL-0319	Aluminium P1020A premium, fca dp Spain, \$/tonne	29 Dec 2021	400 - 420	10.81%	Dec 2021	382.5 - 397.5
MB-AL-0021	Aluminium P1020A premium, delivered Sao Paulo region, \$/tonne	29 Dec 2021	350 - 400	-11.76%	Dec 2021	375 - 425
MB-AL-0022	Aluminium P1020A premium, cif dup Brazilian main ports, \$/tonne	29 Dec 2021	380 - 400	0.00%	Dec 2021	380 - 400
MB-AL-0020	Aluminium P1020A premium, ddp Midwest US, US cents/lb	07 Jan 2022	30.5 - 32.25	4.60%	Dec 2021	27.22 - 29.78
MB-AL-0231	Aluminum P1020A all-in price, delivered Midwest US, US cents/lb	07 Jan 2022	161.93 - 163.68	0.66%	Dec 2021	149.23 - 151.99
MB-AL-0337	Aluminium P1020A premium, cif dup Turkey, \$/tonne	29 Dec 2021	320 - 340	20.00%	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	07 Jan 2022	437.5	1.74%	Dec 2021	338.06
MB-AL-0377	Aluminium P1020A premium, in-whs dup Rotterdam, inferred low-carbon midpoint, \$/tonne	07 Jan 2022	315	0.00%	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	07 Jan 2022	2	1.01%	Dec 2021	1.86
MB-AL-0289	Aluminium import arbitrage, \$/tonne	07 Jan 2022	(114.4)		Dec 2021	(116.34)
MB-AL-0290	Aluminium import arbitrage, yuan/tonne	07 Jan 2022	(730.91)		Dec 2021	(742.36)
MB-AL-0256	Aluminium fixing price for LME trade, rand/tonne	07 Jan 2022	45944.17	-1.12%	Dec 2021	42891.1

Metallurgical bauxite & alumina prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ALU-0010	Alumina index inferred, fob Brazil, \$/dmt	07 Jan 2022	357.22	0.44%	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	07 Jan 2022	344.41	0.45%	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	29 Dec 2021	(5) - 10	-88.89%	Dec 2021	5 - 20
MB-CU-0411	Copper EQ cathode premium, cif Europe, \$/tonne	29 Dec 2021	20 - 30	0.00%	Dec 2021	20 - 30
MB-CU-0369	Copper grade A cathode premium, cif Rotterdam, \$/tonne	29 Dec 2021	45 - 55	0.00%	Dec 2021	45 - 55
MB-CU-0372	Copper grade A cathode premium, delivered Germany, \$/tonne	29 Dec 2021	80 - 90	0.00%	Dec 2021	80 - 90
MB-CU-0406	Copper grade A cathode premium, cif Leghorn, \$/tonne	29 Dec 2021	75 - 90	0.00%	Dec 2021	75 - 90



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0380	Copper grade A cathode ER premium, cif Shanghai, \$/tonne	07 Jan 2022	75 - 82	-0.63%	Dec 2021	84.14 - 94.62
MB-CU-0383	Copper grade A cathode ER premium, bonded in-whs Shanghai, \$/tonne	07 Jan 2022	78 - 83	-2.42%	Dec 2021	94.52 - 104.9
MB-CU-0403	Copper grade A cathode premium, cif Shanghai, \$/tonne	07 Jan 2022	65 - 82	-1.34%	Dec 2021	75.24 - 94.62
MB-CU-0405	Copper grade A cathode premium, in-whs Shanghai, \$/tonne	07 Jan 2022	68 - 83	-2.58%	Dec 2021	84.52 - 104.9
MB-CU-0384	Copper grade A cathode SX-EW premium, cif Shanghai, \$/tonne	07 Jan 2022	65 - 72	-0.72%	Dec 2021	75.24 - 81.81
MB-CU-0382	Copper grade A cathode SX-EW premium, bonded in-whs Shanghai, \$/tonne	07 Jan 2022	68 - 76	-2.70%	Dec 2021	84.52 - 93.67
MB-CU-0399	Copper grade A cathode premium, cif Southeast Asia, \$/tonne	04 Jan 2022	80 - 90	0.00%	Dec 2021	80 - 90
MB-CU-0386	Copper grade A cathode premium, cif Taiwan, \$/tonne	29 Dec 2021	75 - 90	0.00%	Dec 2021	75 - 90
MB-CU-0404	Copper grade A cathode premium, cif South Korea, \$/tonne	29 Dec 2021	75 - 85	0.00%	Dec 2021	75 - 85
MB-CU-0310	Copper grade 1 cathode premium, ddp Midwest US, \$/tonne	04 Jan 2022	176.37 - 220.46	0.00%	Dec 2021	
MB-CU-0002	Copper grade 1 cathode premium, ddp Midwest US, US cents/lb	04 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	07 Jan 2022	448.3 - 450.3	1.24%	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	07 Jan 2022	(29.07)		Dec 2021	14.61
MB-CU-0362	Copper import arbitrage, yuan/tonne	07 Jan 2022	(185.75)		Dec 2021	93.24
MB-CU-0338	Copper fixing price for LME trade, rand/tonne	07 Jan 2022	151311.26	-0.84%	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	04 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	07 Jan 2022	993.78 - 1003.78	1.06%	Dec 2021	962.9 - 970.76
MB-NI-0243	Nickel briquette all-in price, delivered Midwest US, US cents/lb	07 Jan 2022	1003.78 - 1028.78	1.04%	Dec 2021	975.29 - 997.9
MB-NI-0240	Nickel 4x4 cathode premium, delivered Midwest US, US cents/lb	04 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	04 Jan 2022	300 - 330	0.00%	Dec 2021	305 - 335
MB-NI-0143	Nickel min 99.8% full plate premium, in-whs Shanghai, \$/tonne	04 Jan 2022	320 - 350	0.00%	Dec 2021	325 - 352.5
MB-NI-0001	Nickel 4x4 cathode premium, in-whs Rotterdam, \$/tonne	04 Jan 2022	220 - 290	0.00%	Dec 2021	220 - 290
MB-NI-0002	Nickel briquette premium, in-whs Rotterdam, \$/tonne	04 Jan 2022	150 - 170	0.00%	Dec 2021	150 - 170
MB-NI-0003	Nickel uncut cathode premium, in-whs Rotterdam, \$/tonne	04 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	07 Jan 2022	4061.67	32.62%	Dec 2021	1610.79
MB-NI-0106	Nickel import arbitrage, \$/tonne	07 Jan 2022	635.73	32.62%	Dec 2021	252.32
MB-NI-0093	Nickel fixing price for LME trade, rand/tonne	07 Jan 2022	326149.33	-0.18%	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	29 Dec 2021	100 - 115	0.00%	Dec 2021	100 - 115
MB-PB-0083	Lead 99.99% ingot premium, cif Taiwan, \$/tonne	29 Dec 2021	135 - 145	0.00%	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	04 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	04 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	07 Jan 2022	123.12 - 126.12	1.86%	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	07 Jan 2022	36856.05	0.84%	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	29 Dec 2021	1500 - 2000	0.00%	Dec 2021	1500 - 2000
MB-SN-0002	Tin 99.9% ingot premium, in-whs Rotterdam, \$ per tonne	29 Dec 2021	1000 - 1400	-4.00%	Dec 2021	1050 - 1400
MB-SN-0036	Tin 99.85% ingot premium, in-whs Baltimore, \$/tonne	29 Dec 2021	1900 - 2200	0.00%	Dec 2021	1900 - 2200
MB-SN-0038	Tin 99.9% ingot premium, cif Taiwan, \$/tonne	29 Dec 2021	350 - 500	21.43%	Dec 2021	325 - 450
MB-SN-0012	Tin grade A min 99.85% ingot all-in price, ddp Midwest US, \$/tonne	07 Jan 2022	42700 - 43100	2.33%	Dec 2021	41668.81 - 42197.38
MB-SN-0011	Tin grade A min 99.85% ingot premium, ddp Midwest US, \$/tonne	29 Dec 2021	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	07 Jan 2022	639709.05	1.13%	Dec 2021	629447.24

Zinc prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0115	Zinc SHG 99.995% ingot premium, fca Malaysia, \$/per tonne	29 Dec 2021	140 - 160	3.45%	Dec 2021	140 - 155
MB-ZN-0113	Zinc SHG 99.995% ingot premium, fca Singapore, \$/per tonne	29 Dec 2021	140 - 160	3.45%	Dec 2021	140 - 155
MB-ZN-0093	Zinc SHG min 99.995% ingot premium, cif Southeast Asia, \$/tonne	29 Dec 2021	145 - 160	0.00%	Dec 2021	145 - 160
MB-ZN-0116	Zinc SHG 99.995% ingot premium, cif Taiwan \$/tonne	29 Dec 2021	150 - 160	0.00%	Dec 2021	150 - 160
MB-ZN-0119	Zinc min 99.995% ingot premium, in-whs Shanghai, \$/tonne	04 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	04 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	29 Dec 2021	380 - 420	0.00%	Dec 2021	380 - 420
MB-ZN-0103	Zinc SHG min 99.995% ingot premium, fca dp Italy, \$/tonne	29 Dec 2021	350 - 380	0.00%	Dec 2021	350 - 380
MB-ZN-0099	Zinc SHG min 99.995% ingot premium, dp fca Antwerp, \$/tonne	04 Jan 2022	290 - 320	7.02%	Dec 2021	260 - 290
MB-ZN-0001	Zinc SHG min 99.995% ingot premium, dp fca Rotterdam, \$/tonne	04 Jan 2022	290 - 320	7.02%	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	04 Jan 2022	15 - 19	0.00%	Dec 2021	15 - 19
MB-ZN-0061	Zinc SHG min 99.995% ingot all-in price, ddp Midwest US, US cents/lb	07 Jan 2022	178.33 - 182.33	0.31%	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	07 Jan 2022	(343.84)		Dec 2021	(243.21)
MB-ZN-0084	Zinc import arbitrage, yuan/tonne	07 Jan 2022	(2196.82)		Dec 2021	(1552.06)
MB-ZN-0072	Zinc rand fixing price for LME trade, rand/tonne	07 Jan 2022	56692.54	-1.01%	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

Manganese ore news

Chinese lithium prices continue rally, nickel sulfate prices up on restocking

By Dalila Ouerghi - Friday 07 January

An overview of the new energy materials markets and their price moves in the week to Friday January 7.

ENERGY TRANSITION RAW MATERIALS - JANUARY 7, 2022				
Metal	Date of latest price assessment	Latest price	% change from previous assessment	Rationale
Cadmium				
Cadmium 99.99% min, of global ports, cents/lb	1/7/2022	130-140	0	The price for Cadmium free market remained unchanged and market participants assessed the market as steady.
Cobalt				
Cobalt standard grade, in-whs Rotterdam, \$/lb	1/7/2022	33.85-34.30	▲0.2	Cobalt spot metal prices continue their uptrend amid firm offers in spite of a post-holiday slow market.
Cobalt 99.8% Co min, ex-works China, yuan/tonne	1/7/2022	496,000-506,000	▼0.4	Spot prices rose due to higher local futures prices and an increase in the international benchmark metal price; the spot market was active in the second half of the week because buyers feared further price rises and supply shortages due to production stoppages.
Cobalt sulfate 20.5% Co base, exw China, yuan/tonne	1/7/2022	102,000-103,000	0	China's cobalt sulfate price held steady with buyers cautious and unwilling to accept higher offers.
Cobalt hydroxide index 30% Co min, of China, \$/lb	1/7/2022	29.30-29.30	▲4.5	The index rose amid higher offers despite thin buying appetite, with sellers citing logistics disruptions and a tight market.
Cobalt hydroxide payable indicator, min 30% Co, of China, % payable of Fastmarkets' standard-grade cobalt price (low-end)	1/7/2022	88-90	0	The payable indicator held steady over the pricing session in a quiet market with most price indications in the range.
Graphite				
Graphite flake 94% C, -100 mesh, fob China, \$/tonne	1/6/2022	760	▲1.3	Prices for fine flake - graphite flake 94% C, -100 mesh, fob China - edged up due to supply tightness following a halt in operations in Heilongjiang and good demand from the spherical graphite sector.
Graphite spherical 99.95% C, 15 microns, fob China, \$/tonne	1/6/2022	3,100-3,300	0	The spherical graphite market remained stable but producers expressed concern about their operations in the first quarter of 2022 due to environmental controls in Luobei, a major production hub for flake fines and spherical graphite.
Lithium				
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot price range exw domestic China, yuan/tonne	1/6/2022	300,000-330,000	▲11.5	The spot battery-grade lithium carbonate price in China continued to rise amid even tighter spot availability and firm demand from strong LFP battery momentum and consumers topping up inventories in the year-end.
Lithium hydroxide monohydrate 56.5% LiOH.H2O min, battery grade, spot price range exw domestic China, yuan/tonne	1/6/2022	240,000-250,000	▲3.2	China's battery-grade lithium hydroxide price moved up amid tight availability and a rising battery-grade lithium carbonate price.
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot prices of China, Japan & Korea, \$/kg	1/7/2022	40-43	0	The seaborne battery-grade lithium carbonate price held steady while spot units remained tight.
Lithium hydroxide monohydrate 56.5% LiOH.H2O min, battery grade, spot price of China, Japan & Korea, \$/kg	1/7/2022	35-37	0	The seaborne battery-grade lithium hydroxide price held steady while spot supply remained tight.
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot price ddp Europe and US, \$/kg	1/6/2022	34-36	▲6.1	Spot lithium prices in Europe and the US continued their uptrend, tracking strength in the Asia market amid tight global spot supply.
Lithium hydroxide monohydrate 56.5% LiOH.H2O min, battery grade, spot price ddp Europe and US, \$/kg	1/6/2022	35-36	▲7.6	Spot lithium prices in Europe and the US continued their uptrend, tracking strength in the Asia market amid tight global spot supply.
Spodumene min 6% Li2O min, of China, \$/tonne	1/6/2022	2400.00-2600.00	▲8.7	The range moved up in line with higher price indications in a tight market, with rare spot units available.
Manganese				
Manganese 99.7% electrolytic manganese flake, in-whs Rotterdam, \$/tonne	1/7/2022	7,200-7,500	▼2.0	Manganese flake corrected down in a wider range; an end-consumer purchased big volumes of material below \$7,000 per tonne, which has weakened sentiment after previous gains.
Manganese ore index 37% Mn, of Tianjin, \$/dmtu	1/7/2022	4.51	▲0.2	Prices ticked up with support from the portside and alloy markets to narrow the wide discount to higher-grade material.
Nickel				
Laterite ore with 1.5% Ni content, of China, \$/tonne	1/7/2022	81-83	0	1.5% Ni ore of price was stable during the pricing session; the spot market was quiet while the availability of the ores remained low during the current rainy season in the Philippines; a strong LME nickel price continued to support the nickel ores' price.
Nickel premium, 99.80% purity, briquette, duty free, of Shanghai, \$/tonne	12/29/2021	400-500	▲28.6	Shanghai nickel briquette premium increased amid low supply of duty-free briquettes following the increased of premiums of non-duty free briquettes; as the duty-free materials are mostly sourced by long-term contracts, the liquidity in the spot market is still low; long-term contract negotiations for 2022 are almost over, with premiums around \$500-600 per tonne; Fastmarkets heard, LME stocks are still low.
Nickel sulfate min 21%, max 22.5% cobalt 10ppm max, exw China, yuan/tonne	1/7/2022	35,000-36,000	▲2.9	Nickel sulfate price increased during the pricing session with deals reported in the new range; the spot market lived, while some battery raw materials producers started to pile up stock before Chinese Lunar New Year (Jan 31-Feb 4); a strong LME nickel price also underpinned the nickel sulfate price; offers were reported above 36,000 yuan per tonne, with no deals concluded.
Soda ash				
Soda ash, natural and synthetic, dense and light, large contracts, delivered Europe, €/tonne	12/30/2021	290-340	0	Soda ash export prices eased slightly in China after energy issues reduced, while prices in South East Asia increased and narrowed the gap with the Chinese fob basis; in Europe, prices remained stable though sources' anticipations of supply tightness in 2022 continue.
Tellurium				
Tellurium 99.9-99.99% Te min, in-whs Rotterdam, \$/kg	1/7/2022	60-75	0	The price range for tellurium remained unchanged in a calm market with a light transaction atmosphere.
Vanadium				
Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5	1/7/2022	8.50-9	0	V2O5 remained flat with some offers heard at the top end of the range but no concluded deals reported over the period.

Source: Fastmarkets

Yingchi Yang and Sybil Pan in Shanghai; Carrie Shi in Beijing; and Fola Malomo, Cristina Belda Janie Davies and John Stibbs in London contributed to this report.

Silico-manganese tender price rise aids China's weak manganese ore, alloy markets

By Declan Conway, Chris Kavanagh, Jon Stibbs, Siyi Liu - Friday 07 January

Key data from Fastmarkets' pricing sessions in China, India, Europe and the United States on Friday January 7.

GLOBAL MANGANESE ORE AND ALLOY PRICES			
	New price	Previous price	% Change
Manganese ore 44% Mn, cif Tianjin, \$/dmtu	5.46	5.60	▼2.5
Manganese ore 37% Mn, fob Port Elizabeth, \$/dmtu	3.23	3.18	▲1.6
Manganese ore index 37% Mn, cif Tianjin, \$/dmtu	4.51	4.50	▲0.2
Manganese ore port index, base 44% Mn, range 42-48%, fob Tianjin China, yuan/dmtu	42.10	42.20	▼0.2
Manganese ore port index, base 37% Mn, range 35-39%, fob Tianjin China, yuan/dmtu	33.90	34	▼0.3
Ferro-manganese high carbon 78% Mn, standard 7.5% C, in-whs Pittsburgh, \$/long ton	2,600-2,650	2,600-2,650	0
Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	2.55-2.60	2.55-2.60	0
Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	1,500-1,550	1,650-1,750	▼10.3
Ferro-manganese 65% Mn min, max 7% C, in-whs China, yuan/tonne	7,200-7,500	7,200-7,500	0
Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	1,550-1,600	1,600-1,700	▼4.5
Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	1.20-1.25	1.20-1.25	0
Silico-manganese 65% Mn min, max 17% Si, in-whs China, yuan/tonne	7,800-8,000	7,800-8,000	0
Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	1,450-1,500	1,425-1,475	▲1.7
	New assessment	Previous assessment	% Change
Manganese ore inventories at the main Chinese ports of Tianjin and Qin Zhou, million tonnes	5.05-5.29	5.14-5.26	▼0.6

Source: Fastmarkets

China

- Hebei Iron & Steel Group set its purchase price for both January- and February-delivery silico-manganese at 8,200 yuan (\$1,285) per tonne, up by 200 yuan per tonne from the previous month.
- The increased tender prices from China's second-largest steelmaker improved market sentiment, supporting manganese ore and alloy prices.
- Spot silico-manganese and ferro-manganese markets held steady amid improved demand, whereas supply remained high amid strong operation rates in main producing regions.
- The buoyed sentiment in the alloy market was reflected in seaborne ore trading, where some miners successfully offered February-shipments at prices similar to port markets.
- Manganese ore markets at China's ports recorded a busy trading week with alloys producers procuring feedstock in preparation for the Lunar New Year (January 31-February 6).

Europe

- There were falls of more than 10% and 4.5% in high-carbon ferro-manganese and silico-manganese respectively after suppliers cut their offer prices.
- Suppliers have reported scant buying interest from the steel sector for several weeks, and there was no sign of renewed demand.
- Steel mills appear to be well-stocked with manganese alloys until March and renewed demand for manganese alloys may not return for a few weeks when they should show demand for that month and the second quarter.
- Car production is still well down due to a shortage of semi-conductor chips, while the construction sector typically slows through the winter months, meaning less demand for flat and long steel products that contain manganese alloys.

India

- The silico-manganese market edged higher after suppliers positioned themselves for expected renewed consumer demand for March and second-quarter deliveries.
- Export demand into Asia and Europe has been quiet, with suppliers hoping for new inquiries through the rest of January.

United States

- The US alloys markets were flat once again amid sluggish spot trading to begin the new year.
- Readily available supply remains thin, propping up prices at current levels.
- Market participants expect activity will remain minimal and prices will hold over the near term.



If you have any questions about Fastmarkets' pricing calendar, please contact Fastmarkets global base metals editor Juliet Walsh at juliet.walsh@fastmarkets.com, Fastmarkets global minor metals, ores & alloys and industrial minerals editor Fleur Ritzema at fritzema@fastmarkets.com or global steel editor Andrew Wells at andrew.wells@fastmarkets.com.

Fastmarkets has aligned the pricing holiday schedule of the cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end) to public holidays in England and Wales, rather than those in China. The change came into effect on Saturday January 1, 2022.

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

Holiday pricing schedule for 2022

By Fastmarkets MB staff - Friday 07 January

Fastmarkets holiday pricing schedule for 2022 is available online.

Click on the image below to view the Fastmarkets holiday pricing schedule for base metals, minors, ores & alloys and industrial minerals, and ferrous prices for 2022.

Silico-manganese news

China's HBIS increases purchase price for January-, February-delivery SiMn by \$31/t

By Siyi Liu - Friday 07 January

Hebei Iron & Steel Group (HBIS), China's second-largest steelmaker, has set a purchase price for January- and February-delivery silico-manganese of 8,200 yuan (\$1,285) per tonne, sources told Fastmarkets on Friday January 7.

The latest price is 200 yuan per tonne higher than the mill's previous purchase price of 8,000 yuan per tonne for December-delivery cargoes.

HBIS' price, which applies to cargoes delivered to warehouses, includes value-added tax and should be paid on acceptance.

The northern China-based steel mill released its first-round bid at 8,000 yuan

per tonne on Thursday and plans to buy around 26,600 tonnes of silico-manganese for delivery in January and February.

"This means on average around 13,000 tonnes per month for the mill's alloy consumption, which is up from the previous two months but still lags behind of its typical procurement amount," a trader said.

HBIS purchased 12,000 tonnes silico-manganese in December and 11,650 tonnes in November, compared with its normal monthly amount of 250,000-300,000 tonnes. The lowered amount of raw material demand is in response to the reduced production amid China's steel production controls.

The increased purchase price and higher volumes that HBIS is looking to secure for January and February have sent some support to market sentiment, which had been pessimistic in December due to concerns of steel production could remain low, against the backdrop of strong operation rates among silico-manganese producers in the Inner Mongolia and Ningxia autonomous regions.

"This [The higher purchase price from HBIS] has sent a positive signal to the market, at least for the period around the Lunar New Year," a silico-manganese producer source said.

Iron ore markets

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

News

Holiday pricing schedule for 2022

By Fastmarkets MB staff - Friday 07 January

Fastmarkets holiday pricing schedule for 2022 is available online.

Click on the image below to view the Fastmarkets holiday pricing schedule for base metals, minors, ores & alloys and industrial minerals, and ferrous prices for 2022.



If you have any questions about Fastmarkets' pricing calendar, please contact Fastmarkets global base metals editor Juliet Walsh at juliet.walsh@fastmarkets.com, Fastmarkets global minor metals, ores & alloys and industrial minerals editor Fleur Ritzema at fritzema@fastmarkets.com or global steel editor Andrew Wells at andrew.wells@fastmarkets.com.

Fastmarkets has aligned the pricing holiday schedule of the cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end) to public holidays in England and Wales, rather than those in China. The change came into effect on Saturday January 1, 2022.

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

Iron ore prices stable amid quiet demand for far-month laycan cargoes

By Alice Li - Friday 07 January

Seaborne iron ore prices were largely stable on Friday January 7 amid positive expectations of Chinese steel mills resuming production and limited demand for spot cargoes, sources told Fastmarkets.

Key drivers

Expectations of mills resuming production and better steel demand in the downstream market have boosted sentiment in the market, leading to an uptrend in both iron ore and steel futures prices.

Overall trading activity in north and east China's ports and the seaborne market declined from Thursday, mainly due to some steel mills only restocking on a demand basis with small volumes, while traders only showed buying interest for low-grade Australia fines with a discount, some traders told Fastmarkets.

Lump ore demand increased in both portside and seaborne markets this week due to high cost efficiency compared with pellet, amid the sintering restrictions in northern China, an Anhui-based mill source said.

The most-traded May iron ore futures contract on the Dalian Commodity Exchange inched higher to end the day up by 0.3% from Thursday's closing price of 717 yuan (\$113) per tonne.

The iron ore forward-month swap contracts on the Singapore Exchange also rose on the day. By 6:25 pm Singapore time, the most-traded February contract was up by \$3.07 per tonne compared with Thursday's settlement price of \$124.25 per tonne.

Fastmarkets iron ore indices

62% Fe fines, cfr Qingdao: \$128.03 per tonne, up \$0.45 per tonne

62% Fe low-alumina fines, cfr Qingdao: \$129.00 per tonne, unchanged

58% Fe fines high-grade premium, cfr Qingdao: \$99.71 per tonne, unchanged

65% Fe Brazil-origin fines, cfr Qingdao: \$154.00 per tonne, down \$2.00 per tonne

63% Fe Australia-origin lump ore premium, cfr Qingdao: \$0.2800 per dry metric tonne unit (dmtu), unchanged

62% Fe fines, fot Qingdao: 840 yuan per wet metric tonne (implied 62% Fe China Port Price: \$121.76 per dry tonne), down by 7 yuan per wmt

Quote of the day

"After consecutive days of high trading activity, the market seems calmer. Port prices have weakened slightly, but seaborne cargoes look to be quite steady compared with the previous day," a northern China trading source said.

Trades/offers/bids heard in the market

BHP, Globalore, 110,000 tonnes of 62% Fe Jimblebar fines, traded at February average of two 62% Fe indices plus a discount of \$21.50 per tonne, laycan February 1-10.

BHP, Beijing Iron Ore Trading Center, 100,000 tonnes of 56.7% Fe Yandi fines, offered at the February average of two 62% Fe indices plus a discount of \$19.35 per tonne, laycan February 1-10 (bid made at the February average of two 62% Fe indices plus a discount of \$20 per tonne).

Rio Tinto, Globalore, 70,000 tonnes of 62.5% Fe Pilbara Blend lump, offered at the February average of a 62% Fe index plus a lump premium of \$0.3070 per dry metric tonne unit, laycan February 5-14.

Market participant indications

Fastmarkets index for iron ore 62% Fe fines

Pilbara Blend fines: \$125-128 per tonne cfr China
 Brazilian Blend fines: \$128-135 per tonne cfr China
 Newman fines: \$125.54-129.37 per tonne cfr China
 Mac fines: \$119.85-122.37 per tonne cfr China
 Jimblebar fines: \$101.45-107.09 per tonne cfr China

Fastmarkets index for iron ore 65% Fe Brazil-origin fines

Iron Ore Carajas: \$152-157 per tonne cfr China

Port prices

Pilbara Blend fines were traded at 815-829 yuan per wmt in Shandong province and Tangshan city on Friday, compared with 815-860 yuan per wmt on Thursday.

The latest range is equivalent to about \$118-120 per tonne in the seaborne market.

Dalian Commodity Exchange

The most-traded May iron ore futures contract closed at 719 yuan (\$113) per tonne on Friday, up by 2 yuan per tonne from Thursday's closing price.

Alex Theo in Singapore contributed to this article.

Daily indices price table

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-IRO-0009	Iron ore 65% Fe Brazil-origin fines, cfr Qingdao, \$/tonne	07 Jan 2022	154	-1.28%	Dec 2021	132.02
MB-IRO-0144	Iron ore 62% Fe low-alumina fines, cfr Qingdao, \$/tonne	07 Jan 2022	129	0.00%	Dec 2021	115.83
MB-IRO-0008	Iron ore 62% Fe fines, cfr Qingdao, \$/tonne	07 Jan 2022	128.03	0.35%	Dec 2021	115.25
MB-IRO-0017	Iron ore 58% Fe fines high-grade premium index, cfr Qingdao, \$/tonne	07 Jan 2022	99.71	0.00%	Dec 2021	88.14
MB-IRO-0016	Iron ore 58% Fe fines high-grade premium, cfr Qingdao, \$/tonne	07 Jan 2022	22.5	0.00%	Dec 2021	18.54
MB-IRO-0015	Iron ore 58% Fe fines, cfr Qingdao, \$/tonne	07 Jan 2022	77.21	0.00%	Dec 2021	69.6
MB-IRO-0010	Iron ore 63% Fe Australia-origin lump ore premium, cfr Qingdao, US cents/dmtu	07 Jan 2022	28	0.00%	Dec 2021	15.17
MB-IRO-0022	Iron ore 62% Fe fines, fot Qingdao, \$/tonne conversion	07 Jan 2022	121.76	-1.17%	Dec 2021	109.62
MB-IRO-0011	Iron ore 62% Fe fines, fot Qingdao, yuan/wet tonne	07 Jan 2022	840	-0.83%	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	07 Jan 2022	(6.47)		Dec 2021	(6.33)
MB-IRO-0018	Iron ore 62% Fe fines, % Fe VIU, cfr Qingdao, \$/tonne	07 Jan 2022	1.94	0.00%	Dec 2021	2.11
MB-IRO-0020	Iron ore 62% Fe fines, % Si VIU, cfr Qingdao, \$/tonne	07 Jan 2022	(5.25)		Dec 2021	(4.94)
MB-IRO-0024	Iron ore 62% Fe fines, 0.01% P VIU, cfr Qingdao, \$/tonne	07 Jan 2022	(0.85)		Dec 2021	(0.82)
MB-IRO-0019	Iron ore 65% Fe fines, % Fe VIU, cfr Qingdao \$/tonne	07 Jan 2022	2.54	0.00%	Dec 2021	2.29

Ferro-alloy markets

Source: dashboard.fastmarkets.com/m/1746b0c9-25c5-4ffd-b531-bdec474d8481

Bulk ores & alloys news

Chinese ferro-silicon export prices slip on thin inquiries

By Declan Conway, Chris Kavanagh, Jessica Long - Friday 07 January

Key data from Fastmarkets' pricing sessions in China, Europe and the United States on Friday January 7.

GLOBAL FERRO-SILICON PRICES				
	New price	Previous price	% Change	
Ferro-silicon 75% Si min export, fob China, \$/tonne	2,000-2,050	2,000-2,100	▼1.22%	
Ferro-silicon 75% Si min, in-whs China, yuan/tonne	9,300-9,500	9,300-9,500	0	
Ferro-silicon 75% Si min, cif Japan, \$/tonne	2,030-2,080	2,030-2,150	▼1.67%	
Ferro-silicon lumpy basis 75% Si (scale pro rata), delivered Europe, €/tonne	2,800-3,300	2,800-3,300	0	
Ferro-silicon 75% Si, in-whs Pittsburgh, \$/lb	3.30-3.40	3.30-3.40	0%	

Source: Fastmarkets

China

- The ferro-silicon market was stable despite a ban by Indonesia on steam coke exports effective January 2022 due to domestic power supply concerns.
- Some ferro-silicon producers in Ningxia and Gansu returned to operation in the new year, with additional daily ferro-silicon production of 795 tonnes, although inquires and deals made are quite thin currently.

Europe

- The market held in a relatively wide price range amid illiquid trading conditions in the first week of the new year. No trades were reported, with most steelmakers and some traders having an extended break from the Christmas and New Year holidays.
- Most steel mills have their needs met for January and February, however, and most business in the near term is expected to be largely on an inter-merchant basis. Still, there is some market expectation of consumer demand in the coming weeks for March and the second quarter.
- Trading activity is expected to be renewed against a backdrop of reduced production in Europe and logistical difficulties sourcing unusually expensive containers and freight rates due to social restrictions imposed amid the latest wave of the Covid-19 pandemic.

United States

- The US ferro-silicon market was static again amid limited trading activity at the onset of the new year.
- Availability of prompt supply remains thin, which continues to prop up pricing in the US despite declines globally in the latter part of 2021.
- Market participants suspect activity will remain sluggish and prices will hold in the current range over the near term.

Chinese lithium prices continue rally, nickel sulfate prices up on restocking

By Dalila Ouerghi - Friday 07 January

An overview of the new energy materials markets and their price moves in the week to Friday January 7.

ENERGY TRANSITION RAW MATERIALS - JANUARY 7, 2022				
Metal	Date of latest price assessment	Latest price	% change from previous assessment	Rationale
Cadmium				
Cadmium 99.99% min, of global ports, cents/lb	1/7/2022	130-140	0	The price for Cadmium free market remained unchanged and market participants assessed the market as steady.
Cobalt				
Cobalt standard grade, in-whs Rotterdam, \$/lb	1/7/2022	33.85-34.30	▲0.2	Cobalt spot metal prices continue their uptrend amid firm offers in spite of a post-holiday slow market.
Cobalt 99.8% Co min, ex-works China, yuan/tonne	1/7/2022	496,000-506,000	▼0.4	Spot prices rose due to higher local futures prices and an increase in the international benchmark metal price; the spot market was active in the second half of the week because buyers feared further price rises and supply shortages due to production stoppages.
Cobalt sulfate 20.5% Co basis, exw China, yuan/tonne	1/7/2022	102,000-103,000	0	China's cobalt sulfate price held steady with buyers cautious and unwilling to accept higher offers.
Cobalt hydroxide index 30% Co min, cif China, \$/lb	1/7/2022	29.30-29.30	▲4.5	The index rose amid higher offers despite thin buying appetite, with sellers citing logistics disruptions and a tight market.
Cobalt hydroxide payable indicator, min 30% Co, of China, % payable of Fastmarkets' standard-grade cobalt price (low-end)	1/7/2022	88-90	0	The payable indicator held steady over the pricing session in a quiet market with most price indicators in the range.
Graphite				
Graphite flake 94% C, -100 mesh, fob China, \$/tonne	1/6/2022	760	▲1.3	Prices for fine flake - graphite flake 94% C, -100 mesh, fob China edged up due to supply tightness following a halt in operations in Heilongjiang and good demand from the spherical graphite sector.
Graphite spherical 99.95% C, 15 microns, fob China, \$/tonne	1/6/2022	3,100-3,300	0	The spherical graphite market remained stable but producers expressed concern about their operations in the first quarter of 2022 due to environmental controls in Luobei, a major production hub for flake fines and spherical graphite.
Lithium				
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot price range exw domestic China, yuan/tonne	1/6/2022	300,000-330,000	▲11.5	The spot battery-grade lithium carbonate price in China continued to rise amid even tighter spot availability and firm demand from strong LFP battery momentum and consumers topping up inventories in the year-end.
Lithium hydroxide monohydrate 56.5% LiOH H2O min, battery grade, spot price range exw domestic China, yuan/tonne	1/6/2022	240,000-250,000	▲3.3	China's battery-grade lithium hydroxide price moved up amid tight availability and a rising battery-grade lithium carbonate price.
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot prices cif China, Japan & Korea, \$/kg	1/7/2022	40-43	0	The seaborne battery-grade lithium carbonate price held steady while spot units remained tight.
Lithium hydroxide monohydrate 56.5% LiOH H2O min, battery grade, spot price cif China, Japan & Korea, \$/kg	1/7/2022	35-37	0	The seaborne battery-grade lithium hydroxide price held steady while spot supply remained tight.
Lithium carbonate 99.5% Li2CO3 min, battery grade, spot price ddp Europe and US, \$/kg	1/6/2022	34-36	▲6.1	Spot lithium prices in Europe and the US continued their uptrend, tracking strength in the Asia market amid tight global spot supply.
Lithium hydroxide monohydrate 56.5% LiOH H2O min, battery grade, spot price ddp Europe and US, \$/kg	1/6/2022	35-36	▲7.6	Spot lithium prices in Europe and the US continued their uptrend, tracking strength in the Asia market amid tight global spot supply.
Spodumene min 6% Li2O min, of China, \$/tonne	1/6/2022	2400.00-2600.00	▲8.7	The range moved up in line with higher price indications in a tight market, with rare spot units available.
Manganese				
Manganese 99.7% electrolytic manganese flake, in-whs Rotterdam, \$/tonne	1/7/2022	7,200-7,500	▼2.0	Manganese flake corrected down in a wider range; an end-consumer purchased big volumes of material below \$7,000 per tonne, which has weakened sentiment after previous gains.
Manganese ore index 37% Mn, of Tianjin, \$/dmu	1/7/2022	4.51	▲0.2	Prices ticked up with support from the portside and alloy markets to narrow the wide discount to higher-grade material.
Nickel				
Laterite ore with 1.5% Ni content, of China, \$/tonne	1/7/2022	61-63	0	1.5% Ni ore of price was stable during the pricing session; the spot market was quiet while the availability of the ores remained low during the current rainy season in the Philippines; a strong LME nickel price continued to support the nickel ores price.
Nickel premium, 99.80% purity, briquette, duty free, of Shanghai, \$/tonne	12/29/2021	400-500	▲28.6	Shanghai nickel briquettes premium increased amid low supply of duty-free briquettes following the increased of premiums of non-duty free briquettes; as the duty-free materials are mostly secured by long-term contracts, the liquidity in the spot market is still low; long-term contract negotiations for 2022 are almost over, with premiums around \$500-600 per tonne, Fastmarkets heard; LME stocks are still low.
Nickel sulfate min 21%, max 22.5% cobalt 10ppm max, exw China, yuan/tonne	1/7/2022	35,000-36,000	▲2.9	Nickel sulfate price increased during the pricing session with deals reported in the new range; the spot market lived, while some battery raw materials producers started to pile up stock before Chinese Lunar New Year (Jan 31-Feb 4); a strong LME nickel price also underpinned the nickel sulfate price; offers were reported above 36,000 yuan per tonne, with no deals concluded.
Soda ash				
Soda ash, natural and synthetic, dense and light, large contracts, delivered Europe, €/tonne	12/30/2021	290-340	0	Soda ash export prices eased slightly in China after energy issues reduced, while prices in South East Asia increased and narrowed the gap with the Chinese fob basis; in Europe, prices remained stable though sources' anticipations of supply tightness in 2022 continue.
Tellurium				
Tellurium 99.9-99.99% Te min, in-whs Rotterdam, \$/kg	1/7/2022	60-75	0	The price range for tellurium remained unchanged in a calm market with a light transaction atmosphere.
Vanadium				
Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5	1/7/2022	8.50-9	0	V2O5 remained flat with some offers heard at the top end of the range but no concluded deals reported over the period.

Source: Fastmarkets

Yingchi Yang and Sybil Pan in Shanghai; Carrie Shi in Beijing; and Fola Malomo, Cristina Belda Janie Davies and John Stibbs in London contributed to this report.

Disruptions at ERG's Kazakh chrome ops end, all other assets normal

By Andrea Hotter - Friday 07 January

Temporary disruptions caused by unrest at Eurasian Resources Group's (ERG) Donskoy Ore Mining and Processing Plant in the Aktobe region of Kazakhstan have been resolved, with production processes continuing as normal, the company said.

The issues at Donskoy, which is part of TNC Kazchrome JSC, were settled by ERG and Kazchrome's senior management, ERG noted on Friday January 7.

Donskoy is one of the world's largest chrome ore mining plants, with most of its production going to ferro-alloy plants in Aksu and Aktobe. It has an annual production capacity of 5.64 million tonnes.

Kazakhstan has been roiled with [unrest that began over rising fuel costs](#) and has since escalated to become broader protests against the government.

All ERG's enterprises in Kazakhstan are now continuing to operate as normal with the situation at all assets under control, the company added.

"With regard to the current political events in Kazakhstan, ERG confirms that the situation at all of our Kazakh enterprises is stable and in order," it said in a statement.

"The group has taken all necessary steps to avoid disruption to the normal course of business, deal with localized issues and minimize the impact of external factors on our enterprises," ERG added.

Aside from Donskoy, ERG's major assets in Kazakhstan include iron ore enterprise Sokolov-Sarbai Mining Production Association, alumina producer Aluminium of Kazakhstan, aluminium producer Kazakhstan Aluminium Smelter, power supplier Eurasian Energy Corporation, thermal coal producer Shubarkol Komir and transportation company TransCom.

Silico-manganese tender price rise aids China's weak manganese ore, alloy markets

By Declan Conway, Chris Kavanagh, Jon Stibbs, Siyi Liu - Friday 07 January

Key data from Fastmarkets' pricing sessions in China, India, Europe and the United States on Friday January 7.

GLOBAL MANGANESE ORE AND ALLOY PRICES			
	New price	Previous price	% Change
Manganese ore 44% Mn, cif Tianjin, \$/dmtu	5.46	5.60	▼2.5
Manganese ore 37% Mn, fob Port Elizabeth, \$/dmtu	3.23	3.18	▲1.6
Manganese ore index 37% Mn, cif Tianjin, \$/dmtu	4.51	4.50	▲0.2
Manganese ore port index, base 44% Mn, range 42-48%, fob Tianjin China, yuan/dmtu	42.10	42.20	▼0.2
Manganese ore port index, base 37% Mn, range 35-39%, fob Tianjin China, yuan/dmtu	33.90	34	▼0.3
Ferro-manganese high carbon 78% Mn, standard 7.5% C, in-whs Pittsburgh, \$/long ton	2,600-2,650	2,600-2,650	0
Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	2.55-2.60	2.55-2.60	0
Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	1,500-1,550	1,650-1,750	▼10.3
Ferro-manganese 65% Mn min, max 7% C, in-whs China, yuan/tonne	7,200-7,500	7,200-7,500	0
Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	1,550-1,600	1,600-1,700	▼4.5
Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	1.20-1.25	1.20-1.25	0
Silico-manganese 65% Mn min, max 17% Si, in-whs China, yuan/tonne	7,800-8,000	7,800-8,000	0
Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	1,450-1,500	1,425-1,475	▲1.7
	New assessment	Previous assessment	% Change
Manganese ore inventories at the main Chinese ports of Tianjin and Qin Zhou, million tonnes	5.05-5.29	5.14-5.26	▼0.6

Source: Fastmarkets

China

- Hebei Iron & Steel Group set its purchase price for both January- and February-delivery silico-manganese at 8,200 yuan (\$1,285) per tonne, up by 200 yuan per tonne from the previous month.
- The increased tender prices from China's second-largest steelmaker improved market sentiment, supporting manganese ore and alloy prices.
- Spot silico-manganese and ferro-manganese markets held steady amid improved demand, whereas supply remained high amid strong operation rates in main producing regions.
- The buoyed sentiment in the alloy market was reflected in seaborne ore trading, where some miners successfully offered February-shipments at prices similar to port markets.
- Manganese ore markets at China's ports recorded a busy trading week with alloys producers procuring feedstock in preparation for the Lunar New Year (January 31-February 6).

Europe

- There were falls of more than 10% and 4.5% in high-carbon ferro-manganese and silico-manganese respectively after suppliers cut their offer prices.
- Suppliers have reported scant buying interest from the steel sector for several weeks, and there was no sign of renewed demand.
- Steel mills appear to be well-stocked with manganese alloys until March and renewed demand for manganese alloys may not return for a few weeks when they should show demand for that month and the second quarter.
- Car production is still well down due to a shortage of semi-conductor chips, while the construction sector typically slows through the winter months, meaning less demand for flat and long steel products that contain manganese alloys.

India

- The silico-manganese market edged higher after suppliers positioned themselves for expected renewed consumer demand for March and second-quarter deliveries.
- Export demand into Asia and Europe has been quiet, with suppliers hoping for new inquiries through the rest of January.

United States

- The US alloys markets were flat once again amid sluggish spot trading to begin the new year.
- Readily available supply remains thin, propping up prices at current levels.
- Market participants expect activity will remain minimal and prices will hold over the near term.

Fastmarkets global base metals editor Juliet Walsh at juliet.walsh@fastmarkets.com, Fastmarkets global minor metals, ores & alloys and industrial minerals editor Fleur Ritzema at fritzema@fastmarkets.com or global steel editor Andrew Wells at andrew.wells@fastmarkets.com.

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China's HBIS increases purchase price for January-, February-delivery SiMn by \$31/t

By Siyi Liu - Friday 07 January

Hebei Iron & Steel Group (HBIS), China's second-largest steelmaker, has set a purchase price for January- and February-delivery silico-manganese of 8,200 yuan (\$1,285) per tonne, sources told Fastmarkets on Friday January 7.

The latest price is 200 yuan per tonne higher than the mill's previous purchase price of 8,000 yuan per tonne for December-delivery cargoes.

HBIS' price, which applies to cargoes delivered to warehouses, includes value-added tax and should be paid on acceptance.

The northern China-based steel mill released its first-round bid at 8,000 yuan per tonne on Thursday and plans to buy around 26,600 tonnes of silico-manganese for delivery in January and February.

"This means on average around 13,000 tonnes per month for the mill's alloy consumption, which is up from the previous two months but still lags behind of its typical procurement amount," a trader said.

HBIS purchased 12,000 tonnes silico-manganese in December and 11,650 tonnes in November, compared with its normal monthly amount of 250,000-300,000 tonnes. The lowered amount of raw material demand is in response to the reduced production amid China's steel production controls.

The increased purchase price and higher volumes that HBIS is looking to secure for January and February have sent some support to market sentiment, which had been pessimistic in December due to concerns of steel production could remain low, against the backdrop of strong operation rates among silico-manganese producers in the Inner Mongolia and Ningxia autonomous regions.

"This [The higher purchase price from HBIS] has sent a positive signal to the market, at least for the period around the Lunar New Year," a silico-manganese producer source said.

Holiday pricing schedule for 2022

By Fastmarkets MB staff - Friday 07 January

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Click on the image below to view the Fastmarkets holiday pricing schedule for base metals, minors, ores & alloys and industrial minerals, and ferrous prices for 2022.



If you have any questions about Fastmarkets' pricing calendar, please contact

Chrome, nickel set to benefit as China's decarbonization push spurs stainless steel capacity growth: 2022 preview

By Siyi Liu, Jessica Zong, Yingchi Yang - Friday 07 January

With decarbonization remaining a top priority in China's ferrous and non-ferrous industries, stainless steel - due to its durability and full recyclability - stands out as a sustainable material that is set to gradually grow in popularity in the coming years, according to market sources.

At the same time, opportunities for stainless steel producers in the country to expand their capacity given this increased popularity would also drive fresh demand for upstream products such as nickel pig iron (NPI) and ferro-chrome, sources added.

The average carbon dioxide (CO₂) emissions from steel production is about 1.85 tonnes CO₂ per tonne of steel produced, according to the World Steel Association (WSA). This compares with an average of 2.23 tonnes for each tonne of stainless steel produced.

"But considering its durability, stainless steel is obviously environmentally friendly," Shaoliang Zhong, deputy director general of the WSA's Beijing office, said at the China Stainless and Special Alloy Industry Forum in October.

For example, to achieve a 150-year lifecycle for a piece of machinery, the CO₂ emissions will be 3.3 tonnes for each tonne of stainless steel used, while that for one tonne of carbon steel will be 4.3 tonnes and that for one tonne of aluminium alloys will be 8.5 tonnes, Zhong said.

In addition, stainless steel can decrease the lifecycle cost of a product by 30% compared with other materials because of its superior durability, he added.

Stainless steel capacity to rise

While stainless steel production in China stands to benefit from the country's push for decarbonization, the post-pandemic economic recovery, especially in Europe and the United States, may also lead to a significant increase in demand for stainless steel, which will in turn drive Chinese exports of the material, market participants said.

Amid this bullish demand outlook, a number of stainless steel mills in China have already made plans to ramp up their capacity, with the country's crude stainless steel capacity set to rise by around 15 million tonnes in the next two years, according to data from local government departments of Industry and Information Technology.

The details are as follows.

KEY UPCOMING STAINLESS STEEL PROJECTS IN CHINA		
Mill	Capacity (tonnes per year)	Estimated start of production
Jiangsu Delong Nickel Industry	1.35 million	first quarter of 2022
Jiangsu Zhongtuo Stainless	410,000	first quarter of 2022
Shandong Xinhai Industry	460,000	July 2022
Jiangsu Liyang Baorun Steel	2.76 million	December 2022
Fujian Tsingshan Stainless Steel	900,000	July 2023
Shandong Linyi Steel	1.7 million	undisclosed
Guandong Tsingshan	4 million	undisclosed
Baowu Desheng Stainless Steel	3.22 million	undisclosed

Source: Local government departments of Industry and Information Technology

With stainless steel production set to climb, market participants are mostly pessimistic in their outlook for prices in the first quarter of 2022, especially when compared with the multi-year highs reached in September 2021 due to short supply caused by an electricity crunch across the country.

Fastmarkets' assessments for [stainless steel cold-rolled coil 2mm grade 304 domestic, ex-whs China](#) averaged 17,634 yuan (\$2,764) per tonne in 2021, this being the highest since 2012, when it averaged 18,717 yuan per tonne.

"In the second half of 2021, crude stainless steel production [in China] was at a low level of around 2.3 million tonnes per month due to the lack of power supply and the decarbonization, compared with the high level of 2.7 million tonnes per month in the first half year," an industry analyst said.

But the electricity shortage was resolved in November and China achieved its goal of no annual steel production rise in 2021, so market participants expect stainless steel production will gradually rise, which will weigh on prices.

"Production rises will put stainless steel prices under pressure," a stainless steel trader in eastern China said. "Nevertheless, it is good for raw material suppliers."

Chrome, nickel to benefit

In the past two to three months, weak demand from the downstream stainless steel sector has led to soft performances in chrome and nickel raw material markets.

In December, major Chinese stainless steel mills Tsingshan Group, Taiyuan Iron & Steel (Tisco) and Baosteel Group [lowered their tender prices for high-carbon ferro-chrome](#) by 895 yuan per tonne from the previous month.

And Tsingshan's latest tender for January-delivery high-carbon ferro-chrome was [down by another 1,400 yuan per tonne](#).

Meanwhile, the domestic NPI price in China rebounded in late December after retreating from the all-time high reached in October, and ferro-nickel flipped back to discount again last month amid weak year-end demand.

[Ferro-nickel had commanded a premium of \\$100 per tonne](#) in September and October last year, a time of tight supply and high demand. Prior to this, ferro-nickel had last held a premium in July 2018, according to Fastmarkets' assessments.

"In 2021, domestic Chinese NPI production had been in decline due to ore shortages, low average ore grades and more recently energy and emissions restrictions. At the same time, demand for NPI from stainless steel mills had been strong. These fundamentals underpinned the rise in NPI prices to record high levels last year," Andrew Cole, Fastmarkets senior base metal analyst, said.

"But the seasonal peak is gone, especially because we saw a downward trend in stainless steel prices in the fourth quarter of 2021 so our NPI price forecasts for the first few months in 2022 will still show a weak performance, but prices could go strong again around March," Cole added.

Many market participants expect China's NPI and ferro-nickel markets to remain steady at least until the Lunar New Year holidays (January 31-February 6) but noted there may be an increase in spot activity ahead of this because stainless steel mills need to restock before the break.

Fastmarkets' price assessment for [nickel pig iron, high-grade NPI content 10-15%, spot, ddp China](#) averaged 1,273.35 yuan per tonne 2021, up by 242.92 yuan per tonne from 1,030.43 yuan per tonne in 2020.

Fastmarkets' monthly assessment of the [ferro-nickel premium/discount, 26-32% Ni contained, cif China](#) averaged a discount of \$1,254.17 per tonne 2021, narrowing by \$216.67 per tonne from \$1,470.84 per tonne in 2020.

After the Lunar New Year, demand also is likely to pick up with mills procuring feedstock ahead of the traditional peak season in May as well as building up stocks ahead of the scheduled capacity rise owing to the aforementioned

new projects coming onstream, market sources said.

Chrome, nickel supply in question

But the question remains whether healthy demand in the foreseeable future can be translated into an incremental price gain for these relevant products given supply uncertainties, participants told Fastmarkets.

“Energy-related policy will continue to overhang the ferro-alloys markets,” a ferro-chrome producer source said. “Given the higher electricity rates in main production regions and possibility of more stringent production constraints, it’d be unlikely for prices to fall back to a level 5,000-6,000 yuan [per tonne] like in past years.”

Fastmarkets’ weekly price assessment of **ferro-chrome spot 6-8% C, basis 50% Cr, ddp China** averaged 9,068 yuan per tonne in 2021, up by 3,040 yuan per tonne from an average of 6,028 yuan per tonne in 2020 and up by 2,463 yuan per tonne from the 2019 average of 6,605 yuan per tonne.

The elevated prices, as a result, have incentivized producers to maximize their output, pushing up monthly production to unprecedentedly high levels of 650,000-700,000 tonnes in November and December.

“The demand outlook is bright. But if the currently strong production is maintained and large-sized producers continue to unleash their capacity into the market, prices would be pressured,” a ferro-chrome trader in eastern China said.

Similarly, participants remain cautious about the outlook for NPI and ferro-nickel prices because supply of the materials remains uncertain.

In Indonesia, ferro-nickel projects, which had been halted due to either unstable political environment or the energy crisis in 2021, are expected to resume this year. In the meantime, new NPI capacity could be launched in the nickel-rich Southeast Asian country, participants told Fastmarkets.

“Some people are really optimistic about the situation in Indonesia and assume those projects will bring huge amounts of materials [NPI] in 2022 but sometimes things just don’t go that smoothly,” a source from one of the world’s biggest miners told Fastmarkets.

Fastmarkets research forecasts that there will be 1.145 million tonnes of nickel in NPI produced in Indonesia this year after making allowances for disruptions/delays and for NPI-matte conversion, up by 28% from 893,000 tonnes of nickel in NPI in 2021.

There are more NPI capacity additions to follow on from those due online in 2022, so there should also be a growth in 2023-2024, according to market sources.

Fastmarkets research also forecasts that there will be 409,000 tonnes of nickel in ferro-nickel produced globally in 2022, up by 10.3% from 370,800 tonnes in 2021, if some of the disrupted production in New Caledonia and suspensions caused by the European energy crisis can resume in 2022.

Uncertainty remains on the table

In spite of the pervasive optimism for long-term stainless steel growth, there were several uncertainties weighing on market sentiment, one of which is the impact of Indonesian stainless steel.

Stainless steel production in Indonesia is estimated at 4.92 million tonnes in 2021 and expected to rise to 5.70 million tonnes in 2022, according to a local industry information provider.

Indonesia has increased exports of stainless hot-rolled coil and semi-finished products to China in the past year due to the attractiveness of prices there.

“Imports from Indonesia will continue be active in 2022,” an importer in eastern China said.

For instance, China imported 1.18 million tonnes of semifinished products (HS code: 72189100, 72189900) from Indonesia in the first eleven months of 2021, up by 54% from 765,117 tonnes in the corresponding period of 2020, according to customs data.

Meanwhile, some participants argued that it could take quite some time for bullish western markets to benefit the Chinese market amid the global Covid-19 pandemic and inflationary environment.

“How well the recovery of global economy under the new Omicron variant [of Covid-19] will be, whether some countries will tighten monetary policy to curb the recent over-heated commodity prices, and these along with the energy concerns all over the world have made it hard to predict the situation of [the prices of NPI and ferro-nickel in] 2022,” a stainless steel mill source told Fastmarkets.

“Meanwhile, the stainless steel market along with NPI, ferro-nickel and ferro-chrome markets had performed too well in 2021, it is not that easy for their prices to reach a new high,” he added.

Chrome ore

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CHO-0003	Chrome ore South Africa UG2/MG concentrates index, cif China, \$/tonne	04 Jan 2022	171	0.00%	Dec 2021	170.75
MB-CHO-0002	Chrome ore Turkish lumpy 40-42%, cfr main Chinese ports, \$/tonne	04 Jan 2022	300 - 310	0.00%	Dec 2021	290 - 308.75

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

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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	04 Jan 2022	1.72 - 1.92	0.00%	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	04 Jan 2022	1.41 - 1.5	0.00%	Dec 2021	1.42 - 1.5
MB-FEC-0011	Ferro-chrome 50% Cr import, cif main Chinese ports, \$/lb contained Cr	04 Jan 2022	1.07	-6.14%	Dec 2021	1.16
MB-FEC-0006	Ferro-chrome spot 6-8% C, basis 50% Cr, ddp China, yuan/tonne	04 Jan 2022	8100 - 8400	-1.20%	Dec 2021	8725 - 9000
MB-FEC-0005	Ferro-chrome contract 6-8% C, basis 50% Cr, ddp China, yuan/tonne	04 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	04 Jan 2022	1.71	-3.39%	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
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

Noble ores & alloys news**Ferro-tungsten prices rise amid tight concentrate supply from China**

By Cristina Belda - Friday 07 January

Key data from Fastmarkets' pricing session in London on Friday January 7.

FERRO-TUNGSTEN BASIS 75% W (in-whs dup Rotterdam, \$/Kg W)			
New price	Previous price	Change to midpoint of range	Midpoint % change
38-39.5	37-38.5	1.10	▼ 3

Source: Fastmarkets

Key drivers

- The European ferro-tungsten price climbed this week to its highest level since the first week of August. Tighter concentrates supply from China was also supporting higher prices.
- Replacement costs for European traders that have recently sold their final lots have moved to more than \$39 per kg, and even some bids at that level have been rejected by Chinese producers. By the end of the week, material from Russia that is usually sold at cheaper prices was not widely seen in the market.
- China's tungsten mines have gradually started annual maintenance work, according to sources. Amid reduced output, consumers were also buying ahead of the Chinese New Year holiday break, January 31 to February 6.
- There was market chatter about the effect on short-term growth from surging numbers of Covid-19 omicron variant infections across China, and how this could lead to shutdowns or shortages of workers, with the country attempting to operate a 'zero-Covid' policy.
- Some market participants have warned that, despite the higher offers, demand has not increased significantly. If it does, there are inventories in Europe from the Romanian stockpile available in the market. This material was not considered standard grade, however, and was not within Fastmarkets's specifications because not all consumers can use it due to its

quality and origin. But it could put pressure on the price in the short and medium terms, sources said.

Key quotes

"A mismatch between supply and demand is leading to the upward [move in the] price of tungsten concentrate every week... The price of ferro-tungsten is also rising when the cost of raw materials and demand increase" - *Chinese producer*.

"When China pushes the price up, the rest of the market usually follows suit... I would not be surprised to see prices starting at \$40 per kg next week" - *European trader*.

"I see a good number of consumer inquiries, even though most of them are for small volumes at the moment" - *Russian trader*.

Trade log: Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V

By pricing@fastmarkets.com - Friday 07 January

The Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V 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 Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V at 33.00-33.50 on Friday January 07, 2022.

- Prices indicated at \$33.00
- Offer at \$34.50
- Prices indicated at \$33.00-34.00
- Prices indicated at \$33.00-33.50
- Prices indicated at \$33.00-33.50
- Prices indicated at \$32.50-33.00
- Prices indicated at \$33.00-33.50
- Bid at \$33.50

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: Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo

By pricing@fastmarkets.com - Friday 07 January

The Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo 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 Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo at 44.50-45.10 on Friday January 07, 2022.

- Prices indicated at \$45.00-45.20
- Prices indicated at \$44.50-45.00
- Deal heard at \$45.50 for 20 tonnes
- Purchase at \$45.00
- Prices indicated at \$44.60-45.00
- Prices indicated at \$44.20-44.80
- Offer at \$45.00
- Deal heard at \$44.90
- Prices indicated at \$44.50-45.00
- Deal heard at \$45.10 for 24 tonnes
- Deal heard at \$44.70
- Prices indicated at \$44.70-45.10

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

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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: Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W

By pricing@fastmarkets.com - Friday 07 January

The Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W 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 Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W at 38.00-39.50 on Friday January 07, 2022.

- Offer at \$38.00 for 2 tonnes (discarded, below minimum tonnage)
- Deal heard at \$39.50
- Prices indicated at \$37.00-39.50
- Sale at \$36.00 for 8 tonnes (discarded, outside Fastmarket's specifications.)
- Sale at \$39.10 for 7 tonnes
- Offer at \$39.80
- Prices indicated at \$38.00-39.50
- Deal heard at \$39.50
- Prices indicated at \$38.50-39.50
- Prices indicated at \$38.00-39.50
- Prices indicated at \$37.00-38.50
- Sale at \$39.80 for 20 tonnes (discarded, outside Fastmarket's specifications)
- Sale at \$40.00 for 10 tonnes (discarded, outside Fastmarket's specifications)
- Sale at \$41.50 for 20 tonnes (discarded, outside Fastmarket's specifications)
- Bid at \$39.00

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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: Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5

By pricing@fastmarkets.com - Friday 07 January

The Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5 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 Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5 at 8.50-9.00 on Friday January 07, 2022.

- Prices indicated at \$8.50-9.00
- Offer at \$9.20
- Offer at \$9.00

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: Tungsten APT 88.5% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3

By pricing@fastmarkets.com - Friday 07 January

The Tungsten APT 88.5% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3 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 Tungsten APT 88.5% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3 at 321.00-330.00 on Friday January 07, 2022.

- Prices indicated at \$325.00
- Prices indicated at \$305.00 (discarded)
- Deal heard at \$326.00 for 25 tonnes
- Offer at \$332.00
- Prices indicated at \$325.00-335.00
- Deal heard at \$325.00
- Prices indicated at \$325.00
- Sale at \$326.00
- Deal heard at \$327.00
- Deal heard at \$330.00
- Sale at \$321.00 for 20 tonnes
- Sale at \$325.00
- Prices indicated at \$330.00
- Deal heard at \$273.00 (discarded)
- Prices indicated at \$325.00-332.00
- Offer at \$332.00
- Offer at \$322.00 (discarded)

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.

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% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3	07 Jan 2022	321 - 330	0.93%	Dec 2021	320 - 325
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
MB-W-0002	Tungsten concentrate 65% WO3, 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% 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-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

Copper raw materials

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

Copper concentrate news

Holiday pricing schedule for 2022

By Fastmarkets MB staff - Friday 07 January

Fastmarkets holiday pricing schedule for 2022 is available online.

Click on the image below to view the Fastmarkets holiday pricing schedule for base metals, minors, ores & alloys and industrial minerals, and ferrous prices for 2022.



If you have any questions about Fastmarkets' pricing calendar, please contact Fastmarkets global base metals editor Juliet Walsh at juliet.walsh@fastmarkets.com, Fastmarkets global minor metals, ores & alloys and industrial minerals editor Fleur Ritzema at fritzema@fastmarkets.com or global steel editor Andrew Wells at andrew.wells@fastmarkets.com.

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Copper TC/RC ticks up; spot market illiquid

By Sally Zhang, Julian Luk - Friday 07 January

Spot trading interest remained limited in the first week of 2022 with a marginal increase in the copper concentrate treatment charge/ refining charge (TC/RC) index.

COPPER CONCENTRATE TC INDEX (cif Asia Pacific, \$/tonne)			
New price	Previous price	Change	% Change
58.7	57.7	1	▲ 1.73

COPPER CONCENTRATE RC INDEX (cif Asia Pacific, US cents/lb)			
New price	Previous price	Change	% Change
5.87	5.77	0.1	▲ 1.73

Source: Fastmarkets

Fastmarkets' assessment of the copper concentrates TC index, cif Asia Pacific rose for the fourth consecutive week in an illiquid market. Bids came at close to pricing floor of \$70 per tonne/ 7 cents per lb with traders offering at low \$60s per tonne for standard clean concentrate.

Counter-party spread for January normalization is \$9.58 per tonne between smelter and trader, down from \$10.45 per tonne for last month. The copper value in use (VIU) coefficient is \$-0.45 per tonne for January, versus \$0.28 per tonne in December.

This week, Peru's major copper mine Las Bambas resumed normal operations.

Supply concerns rose in Central Asia after the unrest over surging fuel costs in Kazakhstan led to partial disruption of transport systems, with the suspension of logistics facility including airport in Almaty and Chinese border in Korghas.

Other coverage in the week:

Jinchuan's Yang to lead Chinese copper smelter alliance in 2022 after tied vote a year ago

China's Ningbo port ops slow amid Covid restrictions

Malaysia to have world's strictest scrap import standards starting next week

Aerospace copper alloy maker Busby Metals latest in Wieland buying spree

People moves: the first seven days of the year saw a few major moves in the copper circle.



Base metal stocks in LME warehouses fall in 2021 for all metals except tin

By Imogen Dudman, Callum Perry - Friday 07 January

The London Metal Exchange released its 2021 warranted stock summary report on Wednesday January 5, providing a breakdown of warranted deliveries to and from LME-approved locations for the calendar year of 2021.

Total stock levels were depleted throughout 2021 across the base-metals complex due to tight supply and logistics challenges globally pressuring LME inventories of key metals.

Aluminium

The three-month aluminium contract closed the year at \$2,807.50 per tonne on Friday December 31 after gaining 38.2% over the course of the year and remaining one of the strongest performing metals on the LME.

Inventory levels for the lightweight metal fell to a 14-year low of just over 880,000 tonnes in December, the lowest stock level since September 2007.

The most significant withdrawal of material was made from Port Klang, Malaysia, where 1,159,525 tonnes were removed from LME warehouses during 2021, data released by the LME showed.

A further 1,124,550 tonnes were delivered in, and Port Klang closed the year having moved over 60% of all aluminium.

The Malaysian port experienced a deficit of more than 34,000 tonnes of material, and closing stock levels of the lightweight metal were reported at 675,275 tonnes.

With strong demand and a recovering economy, aluminium premiums in the physical market rose as a result of depleted LME inventories and long queues for delivering material.

Fastmarkets assessed [aluminium P1020A premium, in-whs dp Rotterdam](#) at \$390-420 per tonne on Friday December 31, up by over \$200 per tonne from \$145-155 per tonne on January 4, 2021.

Copper

The copper market experienced significant volatility in stock levels during the second half of 2021, with the LME forced to introduce [temporary measures in October](#) to cool the market after available stock levels fell to their lowest since 1974.

LME copper stocks began the year at 105,800 tonnes, and over the course of 2021 a further 491,150 tonnes were delivered into warehouses, with 511,725 tonnes delivered out. The final stock level at the end of December was 88,725 tonnes.

The three-month copper price closed the year at \$9,755 per tonne, an increase of 24% across the year from \$7,856 per tonne on January 4, 2021.

Nickel

Nickel stocks also declined significantly throughout 2021, with 213,246 tonnes removed over the course of the year, compared with 66,522 tonnes delivered in. The most significant withdrawals were made from Rotterdam, Kaohsiung and Singapore, which accounted for 123,258 tonnes combined.

Total LME stocks started 2021 at 247,980 tonnes and closed at 101,256 tonnes, the lowest since December 2019.

The global nickel market experienced a supply deficit of 157,000 tonnes in 2021, Fastmarkets research showed, with these figures reflected in current [high physical premium levels globally](#).

Nickel briquette premiums in [Shanghai](#) and [Rotterdam](#) closed 2021 at year-high levels of \$400-500 per tonne and \$150-170 per tonne respectively.

The tightness in nickel supply was also reflected in the futures market, with the three-month LME nickel price rising by 19% across the year, from \$17,375 per tonne to \$20,705 per tonne on December 31.

Zinc

Global zinc stocks remained at steady levels across 2021, with levels closing just 2,705 tonnes lower at the end of the year. Zinc stocks began 2021 at 202,075 tonnes and closed at 199,325 tonnes. 273,600 tonnes were delivered into global warehouses, with 276,350 tonnes delivered out.

The significant trend in zinc stocks has been the drawdown of material within Europe, with just 1,650 tonnes remaining in warehouses in the region at the end of 2021. This compared with 32,425 tonnes at the start of the year.

This acute tightness has been reflected in premiums within the region, which are near record levels. The most recent Fastmarkets assessment of the [zinc SHG min 99.995% ingot premium, dp fca Rotterdam](#), on January 4, 2022, was \$290-320 per tonne.

Lead

Lead also experienced a significant drawdown of stock, beginning the year at 133,175 tonnes and closing at 54,375 tonnes. 63,425 tonnes of the heavy metal were delivered into warehouses versus the 142,225 tonnes delivered out. This is despite the Zinc and Lead Study Group estimating that the lead market was in a 14,800-tonne surplus for the first ten months of 2021.

This strong demand for lead is reflected in the three-month price, which rose 10% across 2021, from \$2,065 per tonne to \$2,290.50 per tonne on December 31.

Tin

Tin is the only metal to close the year with higher stock levels than at the start of the year. And this is after seeing a record year in terms of price. The three-month LME tin price rose 84% across the year following significant market tightness and strong demand, to close at \$38,985 per tonne, compared with \$20,970 per tonne on January 4, 2021.

Tin stocks began the year at 1,860 tonnes, with 9,045 tonnes delivered into warehouses. Stocks closed at 2,045 tonnes following 8,860 tonnes delivered out.

Codelco signs labor deal with union at Gabriela Mistral division

By Renato Rostás - Friday 07 January

Chilean state-owned copper producer Codelco has signed a 36-month agreement with the Gabriela Mistral workers' union, the company said on Friday January 7.

The terms of the deal included no significant salary increase, but did offer a settlement bonus of 5.55 million Chilean pesos (\$6,616) for each employee on top of undisclosed benefits and various incentives.

Gabriela Mistral is a division of Codelco comprised of an open-pit copper mine located in Chile's northern Antofagasta region with associated solvent extraction and electrowinning (SX/EW) cathode production.

Its copper output was 102,100 tonnes in 2020 and 89,200 tonnes in January-November 2021.

The agreement, Codelco said, concluded all labor negotiations started in 2021 with employees at Gabriela Mistral.

Fastmarkets' latest assessment of the [copper grade A cathode premium, cif Shanghai](#) was \$65-82 per tonne on January 7, down by \$1 from \$66-83 per tonne the previous day and \$3-6 lower than \$68-88 per tonne a week before.

China's Ningbo port ops slow amid Covid restrictions

By Julian Luk - Friday 07 January

Base metal importers are experiencing slight delays in the process of claiming their cargoes from the major port of Ningbo in China's Zhejiang province after it increased restrictions amid rising cases of Covid-19.

"We are experiencing delays in Ningbo due to Covid. Consumers are needing several days to clear their containers and a backlog is starting to build up," a scrap supplier source based in Asia said.

"It's slow but things are still working. Some of our goods arrived at Ningbo port today. We were just told that we could take it three days later; normally we could claim it on the same day," a base metals trader source in China said.

Of the five container terminals in Ningbo, three terminals are located near Beilun district, where the authority said more than 30 new cases have been confirmed over the past few days.

Loading and discharge operations were still normal as of Thursday January 6, but gate-in and gate-out operations are restricted to limit personnel contact, according to shipping company Maersk.

Ningbo is home to China's biggest copper fabricator, Ningbo Jintian, which is also one of the world's biggest buyer of copper scrap.

Fastmarkets assessed [No1 copper material, RCu-2A,1B \(candy/berry\), cif China, LME/Comex discount](#) at 9-13 cents per lb on December 27, 2021, unchanged from a month earlier.

Malaysia to have world's strictest scrap import standards starting next week

By Julian Luk - Friday 07 January

As of next week, the Malaysian government will enforce new scrap import guidelines which are widely opposed by the local recycling industry.

The Guidelines for the Importation and Inspection of Metal Scrap and Waste Paper will come into effect on Monday January 10, 2022, the Ministry of International Trade and Industry (MITI) said in an announcement at the end of 2021.

The new policy has set a 0% impurity threshold - a higher bar than in China, Indonesia and other scrap processing countries - for three major scrap import products into Malaysia. They include "ferrous waste and scrap; remelting scrap ingots of iron or steel" (HS Code 7204), copper waste and scrap (HS Code 7404) and "aluminium waste or scrap" (HS Code 7602).

Local industry bodies, such as the Malaysia Non-Ferrous Metals Association (MNMA), have warned that this ambitious policy will mean an outright cut in supplies of copper, aluminium and steel raw materials to Malaysia, which is a regional recycling hub and has been the principal destination for US aluminium scrap exports since the Sino-US trade war.

For the first ten months of 2021, Malaysia took in 426,146 tonnes of aluminium scrap from the US, an increase of 23.05% year on year.

MNMA told Fastmarkets on Friday January 7 that it is sending a petition to Malaysian prime minister Ismail Sabri Yaakob requesting he eliminate this guideline, which it described as "drafted without in-depth industry and relevant standards."

The industry body cited potential "catastrophic impact on upstream operators," job losses and business closures as possible outcomes of the new policy.

Editor's note: The final two paragraphs of this article were updated on Friday January 7 to reflect new information about the policy.

Stocks of SHFE base metals mixed; tin inventories up by 36.7%

By Yiwen Ju - Friday 07 January

Deliverable stocks of base metals in Shanghai Futures Exchange-registered warehouse were mixed in the week to Friday January 7, with tin logging the biggest gain by 36.7% and copper down by 23.6%.

Inventories of the soldering metal have piled up by 463 tonnes, reaching 1,723 tonnes, an increase from 1,260 tonnes the previous week.

The largest inflow was from Guochutianwei warehouse in Shanghai, where volumes were up by 214 tonnes from 646 tonnes the week before, the exchange's weekly stocks report showed.

Market participants largely don't attribute this increase to any improvement in tin's supply, however, but rather to speculative activities.

"The delivery date is approaching, so speculative shorts who are squeezed by the longs have to deliver stocks gradually ahead of that," an analyst said.

In comparison, copper is crowned to record the biggest decrease in inventories, with a 9,000-tonne drop from 38,182 tonnes to 29,182 tonnes. This is due primarily to stocking-up activities ahead of the Chinese New Year, Fastmarkets understands.

Other base metal stock changes

- Nickel stocks down by 198 tonnes (3.9%) to 4,859 tonnes

- Aluminium stocks down by 8,710 tonnes (2.7%) to 314,859 tonnes
- Zinc stocks up by 6,419 tonnes (11.1%) to 64,336 tonnes
- Lead stocks up by 2,764 tonnes (3.2%) to 89,147 tonnes

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
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

Holiday pricing schedule for 2022

By Fastmarkets MB staff - Friday 07 January

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Seaborne coking coal prices up on serious shortage in spot market

By Min Li - Friday 07 January

The price for seaborne low-volatility pulverized coal injection material (low-vol PCI), on an fob basis, increased in the week to Friday January 7 in line with the uptrend in seaborne coking coal fob Australia prices.

Seaborne coking coal fob prices edged upward on extremely tight Australian supply to the spot market and relatively good demand, sources said.

Fastmarkets indices

Premium hard coking coal, cfr Jingtang: \$359.97 per tonne, unchanged

Hard coking coal, cfr Jingtang: \$328.35 per tonne, unchanged

Premium hard coking coal, fob DBCT: \$371.71 per tonne, up by \$1.49 per tonne

Hard coking coal, fob DBCT: \$322.65 per tonne, up by \$6.26 per tonne

Fastmarkets Weekly PCI indices

PCI low-vol, cfr Jingtang: \$234.52 per tonne, down by \$2.68 per tonne

PCI low-vol, fob DBCT: \$245.08 per tonne, up by \$5.00 per tonne

In the fob Australia market, seaborne coking coal prices continued to increase on expectations that the next trades would be sealed at higher prices. The seaborne low-vol PCI price also increased in the week to Friday, in line with the uptrend in coking coal.

"BHP is the only supplier of Australian premium hard coking coal in the spot market, and its supply is tight," a trading source in Singapore said on Friday. "Meanwhile, there is good demand from countries such as India."

He expected the seaborne premium hard coking coal price to increase gradually and every successive trade to be agreed at higher prices. "The premium hard coking coal price can reach \$400 per tonne fob Australia with an extreme supply shortage and healthy demand," he added.

In the cfr China market, seaborne coking coal prices remained flat after jumping upward on January 6. The seaborne low-vol PCI price edged downward slightly on thin trading.

A trading source in Beijing said on Friday that Australian premium hard coking coal was sold at Chinese ports for 2,200 yuan (\$344) per tonne, while Australian low-vol hard coking coal was sold at 2,050-2,100 yuan per tonne.

Offer prices for Australian coking coal have increased this week, in line with rising Chinese domestic coking coal prices, which had support from mills' restocking activity before the lunar new year and increased operation rates.

Domestic coal mines were operating at relatively low capacity before the lunar new year and would resume normal production by late February, a trading source in Beijing said.

Dalian Commodity Exchange

The most-traded May coking coal futures contract closed at 2,277.50 yuan (\$356.55) per tonne on Friday, down by 56.50 yuan per tonne.



The most-traded May coke contract closed at 3,159.50 yuan per tonne, down by 16 yuan per tonne.

Sentiment improves in Vietnam scrap import market; demand sees slight uptick

By Paul Lim - Friday 07 January

Vietnam's scrap import market is starting to see more signs of spot activity, with buyers looking to source overseas material, market participants told Fastmarkets on Friday January 7.

Transactions were concluded at \$485-490 per tonne cfr Vietnam for bulk Japanese H2 scrap, up from offers at \$480 per tonne cfr Vietnam in recent weeks.

"Demand is slowly increasing, and I expect more demand after the Tet Festival [on January 31-February 4]," a seller source in Vietnam told Fastmarkets on Friday January 7.

Sentiment is being supported by a number of factors, sellers said, including higher import prices in Turkey and surging iron ore and coking coal prices in China.

Even offers for Hong Kong-origin H1&H2 (50:50) have increased, with Hong Kong scrapyards not offering less than \$485-490 per tonne cfr Vietnam.

A transaction was heard concluded at \$468 per tonne cfr Vietnam for a cargo of Hong Kong-origin H1&H2 (50:50) this week, sources said.

Fastmarkets' weekly price assessment for steel scrap H2, Japan-origin import, cfr Vietnam was \$485-490 per tonne on Friday January 7, increasing by \$5-10 per tonne week on week.

Some market participants still expressed limited interest in imports because of the Covid-19 situation, however, maintaining that offers for bulk Japanese H2 had been heard at \$480 per tonne cfr Vietnam and bulk Japanese H1&H2 (50:50) at \$485 per tonne cfr Vietnam earlier this week.

There were limited offers for other higher-grade material such as Japanese heavy scrap (HS) or Shindachi scrap.

"Many Japanese suppliers have only just returned to their workplaces and they will wait until after the Kanto Tetsugen auction next week [before offering] high-grade cargoes," a buyer source in Vietnam told Fastmarkets on Friday.

Offers for bulk cargoes of heavy melting scrap (HMS) 1&2 (80:20) from the United States West Coast were heard at \$500 per tonne cfr Vietnam this week, down by \$10 per tonne week on week.

A buyer said it had been offered the material at \$495 per tonne cfr Vietnam, but this could not be confirmed at the time of publication.

Buyers were indicating that they could purchase HMS at \$490-495 per tonne cfr Vietnam, although no transactions were heard concluded.

Sellers in the US have withdrawn their offers for containerized cargoes in light of the rebounding Turkish market and rising iron ore and coking coal prices, sources said.

Fastmarkets' weekly price assessment for deep-sea bulk cargoes of steel scrap, HMS 1&2 (80:20), cfr Vietnam was \$500 per tonne on Friday January 7, unchanged week on week.

Taiwan scrap market likely to become more active next week - sources

By Paul Lim - Friday 07 January

Spot prices for imported containerized ferrous scrap in Taiwan fell during the first half of the week to Friday January 7, before strengthening in the second half, with market participants expecting more spot activity from next week.

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 \$432-440 per tonne on Friday, up \$2-8 day on day, but down \$2-8 per tonne from \$440-442 per tonne a week earlier.

A major electric-arc furnace operator in Taiwan kept its purchase price for local scrap and its domestic selling price for rebar unchanged during the week.

There were transactions for containerized ferrous scrap heard at \$430 per tonne cfr Taiwan in the early part of the week, although spot activity and volumes sold were limited.

Buyers maintained their bids at \$430 per tonne cfr Taiwan early in the week, following transactions late last week at the same levels, including for distressed cargoes from Australia. But bids increased toward later in the week for a number of reasons.

An increase in spot prices in the bellwether Turkey import market for US and Europe-origin material improved sentiment in the second half of the week, with Fastmarkets' daily indices for steel scrap, HMS 1&2 (80:20 mix), cfr Turkey gaining \$7.28 per tonne.

In addition, higher spot prices for raw materials iron ore and coking coal, as well as finished steel products, in the Chinese market have been supportive.

"There have been more inquiries from steelmakers from Thursday onward. There will likely be more spot activity next week," a trader in Taiwan told Fastmarkets.

Offers for US-origin containerized scrap were heard at \$432-440 per tonne cfr Taiwan at the start of the week, before increasing to \$435-440 per tonne cfr Taiwan in the latter part.

"The number of offers decreased drastically by Friday," a buyer source in Taiwan said.

Bulk cargoes of Japanese H1&H2 scrap (50:50) were offered in a wide range of \$470-475 per tonne cfr Taiwan in the week, against bids at \$460-465 per tonne cfr Taiwan.

"Bids have been increasing day by day," a Japanese trader told Fastmarkets.

But much will depend on the Kanto Tetsugen auction next week, a scrap trader in Singapore told Fastmarkets.

"The next Kanto Tetsugen auction result will set a determinant price for Asia in the coming weeks, particularly with Lunar New Year fast approaching and the anticipated typical upswing in demand to come after that," he said.

Coking coal/coke/PCI prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-COA-0003	Premium hard coking coal, fob DBCT, \$/dmt	07 Jan 2022	371.71	0.40%	Dec 2021	340.4
MB-COA-0005	Premium hard coking coal, cfr Jingtang, \$/dmt	07 Jan 2022	359.97	0.00%	Dec 2021	355.52
MB-COA-0004	Hard coking coal, fob DBCT, \$/dmt	07 Jan 2022	322.65	1.98%	Dec 2021	287.44
MB-COA-0002	Hard coking coal, cfr Jingtang, \$/dmt	07 Jan 2022	328.35	0.00%	Dec 2021	325.14
MB-COA-0001	Hard coking coal domestic China spot market, Shanxi-origin, delivered Tangshan, yuan/tonne	31 Dec 2021	2175 - 2800	0.00%	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	04 Jan 2022	535 - 550	3.33%	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	07 Jan 2022	344.41	0.45%	Dec 2021	356.24
MB-AL-0329	Aluminium P1020A premium, cif Taiwan, \$/tonne	29 Dec 2021	160 - 200	-4.00%	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	07 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	04 Jan 2022	175 - 185	0.00%	Dec 2021	175 - 185
MB-AL-0344	Aluminium P1020A premium, cif South Korea, \$/tonne	04 Jan 2022	160 - 170	0.00%	Dec 2021	160 - 170
MB-AL-0316	Aluminium P1020A premium, fca dp Italy, \$/tonne	04 Jan 2022	420 - 450	6.10%	Dec 2021	377.5 - 396.25
MB-AL-0346	Aluminium P1020A premium, in-whs dup Rotterdam, \$/tonne	07 Jan 2022	300 - 320	0.00%	Dec 2021	250.24 - 266.43
MB-AL-0004	Aluminium P1020A premium, in-whs dp Rotterdam, \$/tonne	07 Jan 2022	415 - 450	1.76%	Dec 2021	321.11 - 345
MB-AL-0319	Aluminium P1020A premium, fca dp Spain, \$/tonne	29 Dec 2021	400 - 420	10.81%	Dec 2021	382.5 - 397.5
MB-AL-0337	Aluminium P1020A premium, cif dup Turkey, \$/tonne	29 Dec 2021	320 - 340	20.00%	Dec 2021	295 - 310
MB-AL-0020	Aluminium P1020A premium, ddp Midwest US, US cents/lb	07 Jan 2022	30.5 - 32.25	4.60%	Dec 2021	27.22 - 29.78
MB-AL-0021	Aluminium P1020A premium, delivered Sao Paulo region, \$/tonne	29 Dec 2021	350 - 400	-11.76%	Dec 2021	375 - 425
MB-AL-0022	Aluminium P1020A premium, cif dup Brazilian main ports, \$/tonne	29 Dec 2021	380 - 400	0.00%	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	07 Jan 2022	315	0.00%	Dec 2021	263.33
MB-AL-0378	Aluminium P1020A premium, in-whs dp Rotterdam, inferred low-carbon midpoint, \$/tonne	07 Jan 2022	437.5	1.74%	Dec 2021	338.06

Copper premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0386	Copper grade A cathode premium, cif Taiwan, \$/tonne	29 Dec 2021	75 - 90	0.00%	Dec 2021	75 - 90
MB-CU-0405	Copper grade A cathode premium, in-whs Shanghai, \$/tonne	07 Jan 2022	68 - 83	-2.58%	Dec 2021	84.52 - 104.9
MB-CU-0383	Copper grade A cathode ER premium, bonded in-whs Shanghai, \$/tonne	07 Jan 2022	78 - 83	-2.42%	Dec 2021	94.52 - 104.9
MB-CU-0382	Copper grade A cathode SX-EW premium, bonded in-whs Shanghai, \$/tonne	07 Jan 2022	68 - 76	-2.70%	Dec 2021	84.52 - 93.67
MB-CU-0403	Copper grade A cathode premium, cif Shanghai, \$/tonne	07 Jan 2022	65 - 82	-1.34%	Dec 2021	75.24 - 94.62
MB-CU-0380	Copper grade A cathode ER premium, cif Shanghai, \$/tonne	07 Jan 2022	75 - 82	-0.63%	Dec 2021	84.14 - 94.62
MB-CU-0384	Copper grade A cathode SX-EW premium, cif Shanghai, \$/tonne	07 Jan 2022	65 - 72	-0.72%	Dec 2021	75.24 - 81.81
MB-CU-0399	Copper grade A cathode premium, cif Southeast Asia, \$/tonne	04 Jan 2022	80 - 90	0.00%	Dec 2021	80 - 90
MB-CU-0404	Copper grade A cathode premium, cif South Korea, \$/tonne	29 Dec 2021	75 - 85	0.00%	Dec 2021	75 - 85
MB-CU-0372	Copper grade A cathode premium, delivered Germany, \$/tonne	29 Dec 2021	80 - 90	0.00%	Dec 2021	80 - 90
MB-CU-0406	Copper grade A cathode premium, cif Leghorn, \$/tonne	29 Dec 2021	75 - 90	0.00%	Dec 2021	75 - 90

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0369	Copper grade A cathode premium, cif Rotterdam, \$/tonne	29 Dec 2021	45 - 55	0.00%	Dec 2021	45 - 55
MB-CU-0002	Copper grade 1 cathode premium, ddp Midwest US, US cents/lb	04 Jan 2022	8 - 10	0.00%	Dec 2021	8 - 10
MB-CU-0411	Copper EQ cathode premium, cif Europe, \$/tonne	29 Dec 2021	20 - 30	0.00%	Dec 2021	20 - 30
MB-CU-0412	Copper EQ cathode premium, cif Shanghai, \$/tonne	29 Dec 2021	(5) - 10	-88.89%	Dec 2021	5 - 20

Lead premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0084	Lead 99.97% ingot premium, cif Taiwan, \$/tonne	29 Dec 2021	100 - 115	0.00%	Dec 2021	100 - 115
MB-PB-0083	Lead 99.99% ingot premium, cif Taiwan, \$/tonne	29 Dec 2021	135 - 145	0.00%	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	04 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	04 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	29 Dec 2021	350 - 500	21.43%	Dec 2021	325 - 450
MB-SN-0002	Tin 99.9% ingot premium, in-whs Rotterdam, \$ per tonne	29 Dec 2021	1000 - 1400	-4.00%	Dec 2021	1050 - 1400
MB-SN-0029	Tin 99.9% low lead ingot premium, in-whs Rotterdam, \$/tonne	29 Dec 2021	1500 - 2000	0.00%	Dec 2021	1500 - 2000
MB-SN-0036	Tin 99.85% ingot premium, in-whs Baltimore, \$/tonne	29 Dec 2021	1900 - 2200	0.00%	Dec 2021	1900 - 2200
MB-SN-0011	Tin grade A min 99.85% ingot premium, ddp Midwest US, \$/tonne	29 Dec 2021	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	29 Dec 2021	150 - 160	0.00%	Dec 2021	150 - 160
MB-ZN-0106	Zinc SHG min 99.995% ingot premium, cif Shanghai, \$/per tonne	04 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	04 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	29 Dec 2021	140 - 160	3.45%	Dec 2021	140 - 155
MB-ZN-0115	Zinc SHG 99.995% ingot premium, fca Malaysia, \$/per tonne	29 Dec 2021	140 - 160	3.45%	Dec 2021	140 - 155
MB-ZN-0093	Zinc SHG min 99.995% ingot premium, cif Southeast Asia, \$/tonne	29 Dec 2021	145 - 160	0.00%	Dec 2021	145 - 160
MB-ZN-0001	Zinc SHG min 99.995% ingot premium, dp fca Rotterdam, \$/tonne	04 Jan 2022	290 - 320	7.02%	Dec 2021	260 - 290
MB-ZN-0099	Zinc SHG min 99.995% ingot premium, dp fca Antwerp, \$/tonne	04 Jan 2022	290 - 320	7.02%	Dec 2021	260 - 290
MB-ZN-0103	Zinc SHG min 99.995% ingot premium, fca dp Italy, \$/tonne	29 Dec 2021	350 - 380	0.00%	Dec 2021	350 - 380
MB-ZN-0102	Zinc SHG min 99.995% ingot premium, ddp Italy, \$/per tonne	29 Dec 2021	380 - 420	0.00%	Dec 2021	380 - 420
MB-ZN-0005	Zinc SHG min 99.995% ingot premium, ddp Midwest US, US cents/lb	04 Jan 2022	15 - 19	0.00%	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	04 Jan 2022	320 - 350	0.00%	Dec 2021	325 - 352.5
MB-NI-0142	Nickel min 99.8% full plate premium, cif Shanghai, \$/tonne	04 Jan 2022	300 - 330	0.00%	Dec 2021	305 - 335
MB-NI-0003	Nickel uncut cathode premium, in-whs Rotterdam, \$/tonne	04 Jan 2022	70 - 90	0.00%	Dec 2021	70 - 90
MB-NI-0001	Nickel 4x4 cathode premium, in-whs Rotterdam, \$/tonne	04 Jan 2022	220 - 290	0.00%	Dec 2021	220 - 290
MB-NI-0002	Nickel briquette premium, in-whs Rotterdam, \$/tonne	04 Jan 2022	150 - 170	0.00%	Dec 2021	150 - 170
MB-NI-0240	Nickel 4x4 cathode premium, delivered Midwest US, US cents/lb	04 Jan 2022	55 - 65	0.00%	Dec 2021	55 - 63.75
MB-NI-0241	Nickel briquette premium, delivered Midwest US, US cents/lb	04 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	06 Dec 2021	450	0.00%	Dec 2021	450
MB-STE-0214	Steel scrap No2 heavy melt, consumer buying price, delivered mill Alabama, \$/gross ton	06 Dec 2021	440	0.00%	Dec 2021	440
MB-STE-0216	Steel scrap No1 busheling, consumer buying price, delivered mill Alabama, \$/gross ton	06 Dec 2021	575	0.00%	Dec 2021	575
MB-STE-0215	Steel scrap No1 bundles, consumer buying price, delivered mill Alabama, \$/gross ton	06 Dec 2021	567	0.00%	Dec 2021	567
MB-STE-0218	Steel scrap machine shop turnings, consumer buying price, delivered mill Alabama, \$/gross ton	06 Dec 2021	375	0.00%	Dec 2021	375
MB-STE-0217	Steel scrap shredded auto scrap, consumer buying price, delivered mill Alabama, \$/gross ton	06 Dec 2021	518	0.00%	Dec 2021	518
MB-STE-0219	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Alabama, \$/gross ton	06 Dec 2021	495	0.00%	Dec 2021	495
MB-STE-0220	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Alabama, \$/gross ton	06 Dec 2021	470	0.00%	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	06 Dec 2021	475	0.00%	Dec 2021	475
MB-STE-0224	Steel scrap No1 busheling, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	06 Dec 2021	610	0.00%	Dec 2021	610
MB-STE-0222	Steel scrap No1 bundles, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	06 Dec 2021	605	0.00%	Dec 2021	605
MB-STE-0223	Steel scrap No2 bundles, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	06 Dec 2021	452	0.00%	Dec 2021	452
MB-STE-0226	Steel scrap machine shop turnings, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	06 Dec 2021	370	0.00%	Dec 2021	370
MB-STE-0225	Steel scrap shredded auto scrap, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	06 Dec 2021	525	0.00%	Dec 2021	525
MB-STE-0227	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	06 Dec 2021	495	0.00%	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	06 Dec 2021	416	0.00%	Dec 2021	416
MB-STE-0341	Steel scrap No1 busheling, dealer selling price, fob dealer yard Atlanta, \$/gross ton	06 Dec 2021	518	0.00%	Dec 2021	518
MB-STE-0343	Steel scrap machine shop turnings, dealer selling price, fob dealer yard Atlanta, \$/gross ton	06 Dec 2021	270	0.00%	Dec 2021	270
MB-STE-0342	Steel scrap shredded auto scrap, dealer selling price, fob dealer yard Atlanta, \$/gross ton	06 Dec 2021	456	0.00%	Dec 2021	456

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0344	Steel scrap cut structural/plate 5ft max, dealer selling price, fob dealer yard Atlanta, \$/gross ton	06 Dec 2021	426	0.00%	Dec 2021	426

Bajjo

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0553	Steel scrap No1 heavy melt, consumer buying price, delivered mill Bajjo, \$/tonne	04 Jan 2022	389	6.87%	Dec 2021	347.25
MB-STE-0551	Steel scrap No1 busheling, consumer buying price, delivered mill Bajjo, \$/tonne	04 Jan 2022	537	-0.56%	Dec 2021	531
MB-STE-0552	Steel scrap No1 busheling, consumer buying price, delivered mill Bajjo, peso/tonne	04 Jan 2022	11050	-1.34%	Dec 2021	11200
MB-STE-0549	Steel scrap machine shop turnings, consumer buying price, delivered mill Bajjo, \$/tonne	04 Jan 2022	345	10.93%	Dec 2021	305.75
MB-STE-0550	Steel scrap machine shop turnings, consumer buying price, delivered mill Bajjo, peso/tonne	04 Jan 2022	7100	10.08%	Dec 2021	6450
MB-STE-0556	Steel scrap shredded auto scrap, consumer buying price, delivered mill Bajjo, peso/tonne	04 Jan 2022	10700	0.00%	Dec 2021	10637.5
MB-STE-0547	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Bajjo, \$/tonne	04 Jan 2022	461	5.01%	Dec 2021	425
MB-STE-0548	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Bajjo, peso/tonne	04 Jan 2022	9500	4.40%	Dec 2021	8962.5
MB-STE-0554	Steel scrap No1 heavy melt, consumer buying price, delivered mill Bajjo, peso/tonne	04 Jan 2022	8000	5.96%	Dec 2021	7325
MB-STE-0555	Steel scrap shredded auto scrap, consumer buying price, delivered mill Bajjo, \$/tonne	04 Jan 2022	520	0.78%	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	03 Jan 2022	355	0.00%	Dec 2021	358.75
MB-STE-0367	Steel scrap No2 bundles, export yard buying price, delivered to yard Boston, \$/gross ton	03 Jan 2022	275	0.00%	Dec 2021	278.75
MB-STE-0370	Steel scrap auto bodies, export yard buying price, delivered to yard Boston, \$/gross ton	03 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	03 Jan 2022	355	0.00%	Dec 2021	358.75
MB-STE-0368	Steel scrap mixed cast, export yard buying price, delivered to yard Boston, \$/gross ton	03 Jan 2022	340	0.00%	Dec 2021	343.75
MB-STE-0371	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard Boston, \$/gross ton	03 Jan 2022	365	0.00%	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	06 Dec 2021	480	0.00%	Dec 2021	480
MB-STE-0232	Steel scrap No1 busheling, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	580	0.00%	Dec 2021	580
MB-STE-0230	Steel scrap No1 bundles, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	585	0.00%	Dec 2021	585
MB-STE-0248	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	480	0.00%	Dec 2021	480
MB-STE-0231	Steel scrap No2 bundles, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	340	-4.23%	Dec 2021	340
MB-STE-0234	Steel scrap machine shop turnings, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	330	0.00%	Dec 2021	330
MB-STE-0233	Steel scrap shredded auto scrap, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	540	0.00%	Dec 2021	540
MB-STE-0578	Steel scrap low-residual, ductile-quality shredded clips, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	742	0.00%	Dec 2021	742
MB-STE-0241	Steel scrap unstripped motor blocks, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	554	0.00%	Dec 2021	554
MB-STE-0235	Steel scrap cast iron borings, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	370	0.00%	Dec 2021	370
MB-STE-0239	Steel scrap cupola cast, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	609	0.00%	Dec 2021	609
MB-STE-0240	Steel scrap clean auto cast, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	672	0.00%	Dec 2021	672
MB-STE-0242	Steel scrap heavy breakable cast, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	552	0.00%	Dec 2021	552
MB-STE-0243	Steel scrap drop broken machinery cast, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	587	0.00%	Dec 2021	587
MB-STE-0238	Steel scrap foundry steel 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	544	0.00%	Dec 2021	544
MB-STE-0244	Steel scrap rail crops 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	603	0.00%	Dec 2021	603
MB-STE-0246	Steel scrap steel car wheels, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	545	0.00%	Dec 2021	545
MB-STE-0577	Steel scrap low-residual, black foundry busheling, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	742	0.00%	Dec 2021	742
MB-STE-0236	Steel scrap cut structural/plate 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	634	0.00%	Dec 2021	634
MB-STE-0237	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	505	0.00%	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	06 Dec 2021	762	0.00%	Dec 2021	762
MB-STE-0229	Steel scrap No2 heavy melt, consumer buying price, delivered mill Chicago, \$/gross ton	06 Dec 2021	465	0.00%	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	06 Dec 2021	460	0.00%	Dec 2021	460
MB-STE-0251	Steel scrap No1 busheling, consumer buying price, delivered mill Cincinnati, \$/gross ton	06 Dec 2021	575	0.00%	Dec 2021	575
MB-STE-0250	Steel scrap No1 bundles, consumer buying price, delivered mill Cincinnati, \$/gross ton	06 Dec 2021	575	0.00%	Dec 2021	575
MB-STE-0253	Steel scrap machine shop turnings, consumer buying price, delivered mill Cincinnati, \$/gross ton	06 Dec 2021	287	0.00%	Dec 2021	287
MB-STE-0252	Steel scrap shredded auto scrap, consumer buying price, delivered mill Cincinnati, \$/gross ton	06 Dec 2021	505	0.00%	Dec 2021	505
MB-STE-0254	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Cincinnati, \$/gross ton	06 Dec 2021	485	0.00%	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	06 Dec 2021	480	0.00%	Dec 2021	480
MB-STE-0257	Steel scrap No1 busheling, consumer buying price, delivered mill Cleveland, \$/gross ton	06 Dec 2021	640	0.00%	Dec 2021	640
MB-STE-0256	Steel scrap No1 bundles, consumer buying price, delivered mill Cleveland, \$/gross ton	06 Dec 2021	640	0.00%	Dec 2021	640
MB-STE-0269	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Cleveland, \$/gross ton	06 Dec 2021	470	0.00%	Dec 2021	470
MB-STE-0259	Steel scrap machine shop turnings, consumer buying price, delivered mill Cleveland, \$/gross ton	06 Dec 2021	305	0.00%	Dec 2021	305
MB-STE-0258	Steel scrap shredded auto scrap, consumer buying price, delivered mill Cleveland, \$/gross ton	06 Dec 2021	530	0.00%	Dec 2021	530
MB-STE-0260	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Cleveland, \$/gross ton	06 Dec 2021	500	0.00%	Dec 2021	500
MB-STE-0653	Steel scrap punchings and plate, broker buying price, fob Cleveland, \$/gross ton	06 Dec 2021	780	0.00%	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	06 Dec 2021	555	0.00%	Dec 2021	555
MB-STE-0271	Steel scrap No1 bundles, consumer buying price, delivered mill Detroit, \$/gross ton	06 Dec 2021	545	0.00%	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	06 Dec 2021	430	0.00%	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	06 Dec 2021	205	0.00%	Dec 2021	205
MB-STE-0273	Steel scrap shredded auto scrap, consumer buying price, delivered mill Detroit, \$/gross ton	06 Dec 2021	520	0.00%	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	06 Dec 2021	455	0.00%	Dec 2021	455
MB-STE-0278	Steel scrap clean auto cast, consumer buying price, delivered mill Detroit, \$/gross ton	06 Dec 2021	495	0.00%	Dec 2021	495
MB-STE-0276	Steel scrap foundry steel 2ft max, consumer buying price, delivered mill Detroit, \$/gross ton	06 Dec 2021	470	0.00%	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	06 Dec 2021	480	0.00%	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	06 Dec 2021	465	0.00%	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	06 Dec 2021	414	3.76%	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	06 Dec 2021	606	3.41%	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	06 Dec 2021	620	3.33%	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	06 Dec 2021	618	2.49%	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	06 Dec 2021	437	3.55%	Dec 2021	437

Houston

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0350	Steel scrap No1 heavy melt, dealer selling price, fob dealer yard Houston, \$/gross ton	06 Dec 2021	285	0.00%	Dec 2021	285

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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	06 Dec 2021	402	0.00%	Dec 2021	402
MB-STE-0405	Steel scrap No1 busheling, consumer buying price trend, delivered mill Houston, \$/gross ton	06 Dec 2021	0		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	06 Dec 2021	205	0.00%	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	06 Dec 2021	335	0.00%	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	06 Dec 2021	320	0.00%	Dec 2021	320
MB-STE-0408	Steel scrap cut structural/plate 5ft max, consumer buying price trend, delivered mill Houston, \$/gross ton	06 Dec 2021	0		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	06 Dec 2021	0		Dec 2021	0
MB-STE-0407	Steel scrap machine shop turnings, consumer buying price trend, delivered mill Houston, \$/gross ton	06 Dec 2021	0		Dec 2021	0
MB-STE-0406	Steel scrap shredded auto scrap, consumer buying price trend, delivered mill Houston, \$/gross ton	06 Dec 2021	0		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	03 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	03 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	03 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	03 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	03 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 Dec 2021	480.08	0.18%	Dec 2021	480.08
MB-STE-0882	Steel scrap No1 busheling, indicator, delivered Midwest mill, \$/gross ton	07 Jan 2022	565	-1.74%	Dec 2021	595.38
MB-STE-0422	Steel scrap No1 busheling, index, delivered Midwest mill, \$/gross ton	10 Dec 2021	603.81	0.30%	Dec 2021	603.81
MB-STE-0423	Steel scrap shredded, index, delivered Midwest mill, \$/gross ton	10 Dec 2021	540.16	0.08%	Dec 2021	540.16

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0787	Steel scrap shredder feed, fob Midwest, \$/gross ton	03 Jan 2022	214.24	-2.65%	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	04 Jan 2022	333	0.91%	Dec 2021	324.5
MB-STE-0534	Steel scrap No1 heavy melt, consumer buying price, delivered mill Monterrey, peso/tonne	04 Jan 2022	6850	0.00%	Dec 2021	6850
MB-STE-0539	Steel scrap No1 busheling, consumer buying price, delivered mill Monterrey, \$/tonne	04 Jan 2022	532	0.76%	Dec 2021	519
MB-STE-0540	Steel scrap No1 busheling, consumer buying price, delivered mill Monterrey, peso/tonne	04 Jan 2022	10950	0.00%	Dec 2021	10950
MB-STE-0541	Steel scrap machine shop turnings, consumer buying price, delivered mill Monterrey, \$/tonne	04 Jan 2022	321	0.94%	Dec 2021	312.75
MB-STE-0542	Steel scrap machine shop turnings, consumer buying price, delivered mill Monterrey, peso/tonne	04 Jan 2022	6600	0.00%	Dec 2021	6600
MB-STE-0535	Steel scrap shredded auto scrap, consumer buying price, delivered mill Monterrey, \$/tonne	04 Jan 2022	525	0.77%	Dec 2021	512
MB-STE-0536	Steel scrap shredded auto scrap, consumer buying price, delivered mill Monterrey, peso/tonne	04 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	04 Jan 2022	486	0.83%	Dec 2021	465.75
MB-STE-0538	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Monterrey, peso/tonne	04 Jan 2022	10000	0.00%	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	03 Jan 2022	370	0.00%	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	03 Jan 2022	320	0.00%	Dec 2021	322.5
MB-STE-0381	Steel scrap machine shop turnings, export yard buying price, delivered to yard New York, \$/gross ton	03 Jan 2022	265	0.00%	Dec 2021	267.5

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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	03 Jan 2022	350	0.00%	Dec 2021	352.5
MB-STE-0383	Steel scrap unstripped motor blocks, export yard buying price, delivered to yard New York, \$/gross ton	03 Jan 2022	385	0.00%	Dec 2021	387.5
MB-STE-0382	Steel scrap mixed cast, export yard buying price, delivered to yard New York, \$/gross ton	03 Jan 2022	365	0.00%	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	03 Jan 2022	380	0.00%	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	06 Dec 2021	460	0.00%	Dec 2021	460
MB-STE-0281	Steel scrap No1 busheling, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	06 Dec 2021	550	0.00%	Dec 2021	550
MB-STE-0283	Steel scrap machine shop turnings, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	06 Dec 2021	375	0.00%	Dec 2021	375
MB-STE-0282	Steel scrap, shredded auto scrap, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	06 Dec 2021	490	0.00%	Dec 2021	490
MB-STE-0284	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	06 Dec 2021	470	0.00%	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	06 Dec 2021	440	0.00%	Dec 2021	440
MB-STE-0386	Steel scrap No1 heavy melt, export yard buying price, delivered to yard Philadelphia, \$/gross ton	03 Jan 2022	370	0.00%	Dec 2021	372.5
MB-STE-0288	Steel scrap No1 busheling, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	550	0.00%	Dec 2021	550
MB-STE-0286	Steel scrap No1 bundles, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	550	0.00%	Dec 2021	550
MB-STE-0287	Steel scrap No2 bundles, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	400	2.56%	Dec 2021	400
MB-STE-0387	Steel scrap No2 bundles, export yard buying price, delivered to yard Philadelphia, \$/gross ton	03 Jan 2022	295	0.00%	Dec 2021	297.5
MB-STE-0290	Steel scrap machine shop turnings, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	335	0.00%	Dec 2021	335
MB-STE-0289	Steel scrap shredded auto scrap, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	515	1.98%	Dec 2021	515
MB-STE-0390	Steel scrap auto bodies, export yard buying price, delivered to yard Philadelphia, \$/gross ton	03 Jan 2022	335	0.00%	Dec 2021	337.5
MB-STE-0297	Steel scrap unstripped motor blocks, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	460	0.00%	Dec 2021	460
MB-STE-0389	Steel scrap unstripped motor blocks, export yard buying price, delivered to yard Philadelphia, \$/gross ton	03 Jan 2022	365	0.00%	Dec 2021	367.5

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0295	Steel scrap cupola cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	455	0.00%	Dec 2021	455
MB-STE-0296	Steel scrap clean auto cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	450	0.00%	Dec 2021	450
MB-STE-0298	Steel scrap heavy breakable cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	406	0.00%	Dec 2021	406
MB-STE-0299	Steel scrap drop broken machinery, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	511	0.00%	Dec 2021	511
MB-STE-0300	Steel scrap rail crops 2ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	575	0.00%	Dec 2021	575
MB-STE-0301	Steel scrap random rails, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	550	22.22%	Dec 2021	550
MB-STE-0291	Steel scrap cut structural/plate 2ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	565	0.00%	Dec 2021	565
MB-STE-0292	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	460	0.00%	Dec 2021	460
MB-STE-0293	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	06 Dec 2021	450	0.00%	Dec 2021	450
MB-STE-0391	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard Philadelphia, \$/gross ton	03 Jan 2022	380	0.00%	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	06 Dec 2021	475	0.00%	Dec 2021	475
MB-STE-0306	Steel scrap No1 busheling, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	610	0.00%	Dec 2021	610
MB-STE-0304	Steel scrap No1 bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	591	0.00%	Dec 2021	591
MB-STE-0305	Steel scrap No2 bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	389	0.00%	Dec 2021	389
MB-STE-0307	Steel scrap No1 industrial bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	617	0.00%	Dec 2021	617
MB-STE-0321	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	380	0.00%	Dec 2021	380
MB-STE-0309	Steel scrap machine shop turnings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	375	0.00%	Dec 2021	375
MB-STE-0308	Steel scrap shredded auto scrap, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	530	0.00%	Dec 2021	530
MB-STE-0310	Steel scrap cast iron borings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	330	0.00%	Dec 2021	330
MB-STE-0388	Steel scrap mixed cast, export yard buying price, delivered to yard Philadelphia, \$/gross ton	03 Jan 2022	370	0.00%	Dec 2021	372.5
MB-STE-0311	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	525	0.00%	Dec 2021	525
MB-STE-0312	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	505	0.00%	Dec 2021	505
MB-STE-0598	Steel scrap punchings and plate, consumer buying price, delivered mill Pittsburgh, \$/gross ton	06 Dec 2021	832	0.00%	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	06 Dec 2021	0		Dec 2021	0
MB-STE-0411	Steel scrap machine shop turnings, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	06 Dec 2021	0		Dec 2021	0
MB-STE-0410	Steel scrap shredded auto scrap, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	06 Dec 2021	0		Dec 2021	0
MB-STE-0412	Steel scrap cut structural/plate 5ft max, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	06 Dec 2021	0		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	06 Dec 2021	460	0.00%	Dec 2021	460
MB-STE-0323	Steel scrap No1 busheling, consumer buying price, delivered mill South Carolina, \$/gross ton	06 Dec 2021	550	0.00%	Dec 2021	550
MB-STE-0324	Steel scrap shredded auto scrap, consumer buying price, delivered mill South Carolina, \$/gross ton	06 Dec 2021	490	0.00%	Dec 2021	490
MB-STE-0326	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill South Carolina, \$/gross ton	06 Dec 2021	470	0.00%	Dec 2021	470
MB-STE-0325	Steel scrap machine shop turnings, consumer buying price, delivered mill South Carolina, \$/gross ton	06 Dec 2021	375	0.00%	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	06 Dec 2021	398	0.00%	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	06 Dec 2021	548	0.00%	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	06 Dec 2021	548	0.00%	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	06 Dec 2021	265	0.00%	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	06 Dec 2021	461	0.00%	Dec 2021	461
MB-STE-0360	Steel scrap cut structural/plate 5ft max, dealer selling price, fob dealer yard St Louis, \$/gross ton	06 Dec 2021	413	0.00%	Dec 2021	413
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	31 Dec 2021	480	0.00%	Dec 2021	
MB-STE-0529	Steel scrap No1 heavy melt, consumer buying price, delivered mill Philadelphia, \$/gross ton, weekly composite	31 Dec 2021	440	0.00%	Dec 2021	
MB-STE-0530	Steel scrap No1 heavy melt, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	31 Dec 2021	475	0.00%	Dec 2021	
MB-STE-0531	Steel scrap No1 heavy melt, consumer buying price, delivered mill, \$/gross ton, weekly composite	31 Dec 2021	465	0.00%	Dec 2021	
MB-STE-0524	Steel scrap No1 busheling, consumer buying price, delivered mill Chicago, \$/gross ton, weekly composite	31 Dec 2021	580	0.00%	Dec 2021	
MB-STE-0525	Steel scrap No1 busheling, consumer buying price, delivered mill Cleveland, \$/gross ton, weekly composite	31 Dec 2021	640	0.00%	Dec 2021	
MB-STE-0526	Steel scrap No1 busheling, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	31 Dec 2021	610	0.00%	Dec 2021	
MB-STE-0527	Steel scrap No1 busheling, consumer buying price, delivered mill, \$/gross ton, weekly composite	31 Dec 2021	610	0.00%	Dec 2021	
MB-STE-0427	Steel scrap Shredded auto, daily composite, delivered mill US, \$/gross ton	07 Jan 2022	525.75	0.00%	Dec 2021	525.44
MB-STE-0519	Steel scrap shredded auto scrap, consumer buying price, delivered mill Alabama, \$/gross ton, weekly composite	31 Dec 2021	518	0.00%	Dec 2021	
MB-STE-0520	Steel scrap shredded auto scrap, consumer buying price, delivered mill Chicago, \$/gross ton, weekly composite	31 Dec 2021	540	0.00%	Dec 2021	
MB-STE-0521	Steel scrap shredded auto scrap, consumer buying price, delivered mill Philadelphia, \$/gross ton, weekly composite	31 Dec 2021	515	0.00%	Dec 2021	
MB-STE-0522	Steel scrap shredded auto scrap, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	31 Dec 2021	530	0.00%	Dec 2021	
MB-STE-0523	Steel scrap shredded auto scrap, consumer buying price, delivered mill, \$/gross ton, weekly composite	31 Dec 2021	525.75	0.00%	Dec 2021	
MB-STE-0426	Steel scrap No1 heavy melt, daily composite, delivered mill US, \$/gross ton	07 Jan 2022	465	0.00%	Dec 2021	465
MB-STE-0428	Steel scrap No1 busheling, daily composite, delivered mill US, \$/gross ton	07 Jan 2022	610	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	03 Jan 2022	227.94	-2.62%	Dec 2021	234.7
MB-STE-0787	Steel scrap shredder feed, fob Midwest, \$/gross ton	03 Jan 2022	214.24	-2.65%	Dec 2021	220.07
MB-STE-0788	Steel scrap shredder feed, fob Southeast, \$/gross ton	03 Jan 2022	181.24	-2.20%	Dec 2021	186.71

Boston stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STSS-0178	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Boston, US cents/lb	04 Jan 2022	32 - 33	0.00%	Dec 2021	32 - 33
MB-STSS-0056	Stainless steel scrap 430 bundles, export yard buying price, delivered to yard Boston, \$/gross ton	04 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	04 Jan 2022	91 - 95	1.64%	Dec 2021	90.25 - 93.25
MB-ST5-0068	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	04 Jan 2022	2038 - 2128	1.63%	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	04 Jan 2022	98 - 100	2.59%	Dec 2021	95.5 - 98.25
MB-ST5-0067	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Chicago, \$/gross ton	04 Jan 2022	2195 - 2240	2.59%	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	04 Jan 2022	36 - 37	2.82%	Dec 2021	35 - 38
MB-ST5-0069	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Chicago, \$/gross ton	04 Jan 2022	806 - 829	2.77%	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	04 Jan 2022	31 - 33	0.00%	Dec 2021	30.25 - 33.5
MB-ST5-0070	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	04 Jan 2022	694 - 739	0.00%	Dec 2021	677.5 - 750.5
MB-ST5-0194	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Chicago, US cents/lb	04 Jan 2022	26 - 28	0.00%	Dec 2021	26.25 - 29
MB-ST5-0072	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	04 Jan 2022	582 - 627	0.00%	Dec 2021	588 - 649.5
MB-ST5-0193	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Chicago, US cents/lb	04 Jan 2022	31 - 33	0.00%	Dec 2021	31.5 - 34
MB-ST5-0071	Stainless steel scrap 409 bundles, broker buying price, delivered to processor Chicago, \$/gross ton	04 Jan 2022	694 - 739	0.00%	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
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	04 Jan 2022	2867 - 2979	1.16%	Dec 2021	2856 - 3001.5
MB-ST5-0188	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Chicago, US cents/lb	04 Jan 2022	128 - 133	1.16%	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	04 Jan 2022	90 - 95	1.09%	Dec 2021	90 - 93.25
MB-ST5-0201	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Cleveland, US cents/lb	04 Jan 2022	95 - 100	1.04%	Dec 2021	95.25 - 98.5
MB-ST5-0079	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Cleveland, \$/gross ton	04 Jan 2022	2128 - 2240	1.04%	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	04 Jan 2022	2016 - 2128	1.10%	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	04 Jan 2022	128 - 136	1.54%	Dec 2021	127.5 - 134.25
MB-ST5-0078	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Cleveland, \$/gross ton	04 Jan 2022	2867 - 3046	1.53%	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
MB-ST5-0210	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Detroit, US cents/lb	04 Jan 2022	92 - 95	2.19%	Dec 2021	90.25 - 93.25
MB-ST5-0088	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Detroit, \$/gross ton	04 Jan 2022	2061 - 2128	2.20%	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

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0209	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Detroit, US cents/lb	04 Jan 2022	98 - 100	2.59%	Dec 2021	95.5 - 98.5
MB-ST5-0087	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Detroit, \$/gross ton	04 Jan 2022	2195 - 2240	2.59%	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	04 Jan 2022	36 - 37	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	04 Jan 2022	806 - 829	0.00%	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	04 Jan 2022	31 - 33	-1.54%	Dec 2021	31.5 - 33.25
MB-ST5-0213	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Detroit, US cents/lb	04 Jan 2022	26 - 28	0.00%	Dec 2021	26.75 - 28.5
MB-ST5-0091	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Detroit, \$/gross ton	04 Jan 2022	582 - 627	0.00%	Dec 2021	599 - 638.25
MB-ST5-0090	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Detroit, \$/gross ton	04 Jan 2022	694 - 739	-1.58%	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	04 Jan 2022	128 - 135	1.94%	Dec 2021	127 - 134
MB-ST5-0086	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Detroit, \$/gross ton	04 Jan 2022	2867 - 3024	1.94%	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
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

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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	04 Jan 2022	98 - 100	2.59%	Dec 2021	94.75 - 96.75
MB-ST5-0096	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Houston, \$/gross ton	04 Jan 2022	2195 - 2240	2.59%	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	04 Jan 2022	90 - 95	1.65%	Dec 2021	88.5 - 90.75
MB-ST5-0097	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Houston, \$/gross ton	04 Jan 2022	2016 - 2128	1.64%	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	04 Jan 2022	37 - 38	5.63%	Dec 2021	32.5 - 35
MB-ST5-0098	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Houston, \$/gross ton	04 Jan 2022	829 - 851	5.59%	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	04 Jan 2022	24 - 25	-3.92%	Dec 2021	24.75 - 26.25
MB-ST5-0099	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Houston, \$/gross ton	04 Jan 2022	538 - 560	-3.94%	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	04 Jan 2022	133 - 136	0.37%	Dec 2021	132.25 - 136
MB-ST5-0095	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Houston, \$/gross ton	04 Jan 2022	2979 - 3046	0.37%	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	04 Jan 2022	51.43 - 53.57	2.26%	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	04 Jan 2022	1152 - 1200	2.26%	Dec 2021	1106.25 - 1156.25

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0226	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard Los Angeles, US cents/lb	04 Jan 2022	71.43 - 72.55	1.58%	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	04 Jan 2022	1600 - 1625	1.57%	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	04 Jan 2022	16.52 - 17.41	5.53%	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	04 Jan 2022	370 - 390	5.56%	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	04 Jan 2022	92 - 95	4.47%	Dec 2021	88 - 92.25
MB-ST5-0114	Stainless steel scrap 304 turnings, broker buying price, delivered to processor New York, \$/gross ton	04 Jan 2022	2061 - 2128	4.49%	Dec 2021	1971 - 2066.25
MB-ST5-0116	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard New York, \$/gross ton	04 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	04 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	04 Jan 2022	98 - 100	2.59%	Dec 2021	95.5 - 98.5
MB-ST5-0113	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor New York, \$/gross ton	04 Jan 2022	2195 - 2240	2.59%	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	04 Jan 2022	94.5 - 95	1.88%	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	04 Jan 2022	2117 - 2128	1.87%	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	04 Jan 2022	32 - 33	0.00%	Dec 2021	32 - 33

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0117	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard New York, \$/gross ton	04 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	04 Jan 2022	128 - 133	1.16%	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	04 Jan 2022	2867 - 2979	1.16%	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	04 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	04 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	04 Jan 2022	94.5 - 95	1.88%	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	04 Jan 2022	2117 - 2128	1.87%	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	04 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	04 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	04 Jan 2022	90 - 95	2.21%	Dec 2021	89 - 93.25
MB-ST5-0047	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	04 Jan 2022	2016 - 2128	2.22%	Dec 2021	1993.5 - 2088.75
MB-ST5-0256	Stainless steel scrap 304 turnings, consumer buying price, delivered mill Pittsburgh, US cents/lb	10 Dec 2021	87 - 87.75	4.65%	Dec 2021	87 - 87.75
MB-ST5-0134	Stainless steel scrap 304 turnings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Dec 2021	1949 - 1966	4.65%	Dec 2021	1949 - 1966
MB-ST5-0168	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Pittsburgh, US cents/lb	04 Jan 2022	98 - 100	3.13%	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 Dec 2021	96 - 97.5	4.59%	Dec 2021	96 - 97.5
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	04 Jan 2022	2195 - 2240	3.12%	Dec 2021	2122.75 - 2206.5
MB-ST5-0133	Stainless steel scrap 304 solids, clips, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Dec 2021	2150 - 2184	4.58%	Dec 2021	2150 - 2184

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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	04 Jan 2022	31 - 33	1.59%	Dec 2021	29.5 - 33
MB-ST5-0049	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	04 Jan 2022	694 - 739	1.56%	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 Dec 2021	33.71 - 34.6	0.00%	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	04 Jan 2022	36 - 37	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	04 Jan 2022	806 - 829	0.00%	Dec 2021	784 - 845.75
MB-ST5-0135	Stainless steel scrap 430 bundles, solids, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Dec 2021	755 - 775	0.00%	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	04 Jan 2022	31 - 33	-1.54%	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 Dec 2021	29.24 - 29.46	0.00%	Dec 2021	29.24 - 29.46
MB-ST5-0136	Stainless steel scrap 409 bundles, solids, consumer buying price, delivered mill Pittsburgh, \$/gross ton	10 Dec 2021	655 - 660	0.00%	Dec 2021	655 - 660
MB-ST5-0173	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Pittsburgh, US cents/lb	04 Jan 2022	26 - 28	0.00%	Dec 2021	25.25 - 28.25
MB-ST5-0050	Stainless steel scrap 409 bundles, broker buying price, delivered to processor Pittsburgh, \$/gross ton	04 Jan 2022	694 - 739	-1.58%	Dec 2021	688.75 - 744.75
MB-ST5-0051	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	04 Jan 2022	582 - 627	0.00%	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	04 Jan 2022	128 - 136	2.33%	Dec 2021	127.5 - 134
MB-ST5-0254	Stainless steel scrap 316 solids, clips, consumer buying price, delivered mill Pittsburgh, US cents/lb	10 Dec 2021	138 - 138.5	2.41%	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 Dec 2021	3091 - 3102	2.40%	Dec 2021	3091 - 3102
MB-ST5-0045	Stainless steel scrap 316 solids, broker buying price, delivered to processor Pittsburgh, \$/gross ton	04 Jan 2022	2867 - 3046	2.32%	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	04 Jan 2022	51.34 - 53.57	2.18%	Dec 2021	49.39 - 51.62

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0126	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard San Francisco, \$/gross ton	04 Jan 2022	1150 - 1200	2.17%	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	04 Jan 2022	71.43 - 72.55	1.58%	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	04 Jan 2022	1600 - 1625	1.57%	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	04 Jan 2022	16.52 - 17.41	5.53%	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	04 Jan 2022	370 - 390	5.56%	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	04 Jan 2022	90 - 95	1.09%	Dec 2021	90.25 - 93.25
MB-ST5-0139	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	04 Jan 2022	2016 - 2128	1.10%	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	04 Jan 2022	2195 - 2240	2.59%	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	04 Jan 2022	98 - 100	2.59%	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	04 Jan 2022	35 - 37	-1.37%	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	04 Jan 2022	784 - 829	-1.35%	Dec 2021	800.5 - 845.75
MB-ST5-0144	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	04 Jan 2022	560 - 739	-7.94%	Dec 2021	694 - 739.5
MB-ST5-0156	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Southeast US, US cents/lb	04 Jan 2022	25 - 33	-7.94%	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	04 Jan 2022	26 - 28	0.00%	Dec 2021	26.25 - 28.25
MB-ST5-0142	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	04 Jan 2022	582 - 627	0.00%	Dec 2021	587.75 - 632.75

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0141	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Southeast US, \$/gross ton	04 Jan 2022	672 - 739	-3.09%	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	04 Jan 2022	30 - 33	-3.08%	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	04 Jan 2022	128 - 138	3.10%	Dec 2021	127.5 - 134
MB-ST5-0140	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Southeast US, \$/gross ton	04 Jan 2022	2867 - 3091	3.10%	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
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

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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-STS-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	04 Jan 2022	5540 - 6475	12.24%	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	07 Jan 2022	461.59	1.50%	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	07 Jan 2022	459.15	0.49%	Dec 2021	469.67
MB-STE-0417	Steel scrap HMS 1&2 (80:20 mix) US origin, cfr Turkey, \$/tonne	07 Jan 2022	469.88	1.48%	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-STS-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-STS-0011	Stainless steel scrap 18/8 turnings domestic, delivered merchants UK, £/tonne	07 Jan 2022	1320 - 1375	0.94%	Dec 2021	1294 - 1356
MB-STS-0010	Stainless steel scrap 18/8 solids domestic, delivered merchants UK, £/tonne	07 Jan 2022	1520 - 1580	0.98%	Dec 2021	1488 - 1560
MB-STS-0009	Stainless steel scrap 18/8 turnings import, cif main European port, €/tonne	07 Jan 2022	1675 - 1700	-0.74%	Dec 2021	1681 - 1694

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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	07 Jan 2022	498	1.05%	Dec 2021	475.18
MB-STE-0895	Steel scrap, index, heavy recycled steel materials, cfr north China, \$/tonne	07 Jan 2022	508	1.03%	Dec 2021	485.18
MB-STE-0464	Steel scrap HMS 1&2 (80:20 mix) US material import, cfr main port Taiwan, \$/tonne	07 Jan 2022	432 - 440	1.16%	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	07 Jan 2022	526.2	0.49%	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