

All metals news

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Top stories

US silicon price hits new high; \$5/lb in sight

By Orla O'Sullivan - Monday 18 October

Silicon sales above \$5 per lb reported in Mexico and Canada indicate continued upward pressure in the United States on prices of the aluminium alloying metal, which reached another all-time high on Thursday October 14.

Fastmarkets assessed the price of [silicon, ddp US](#) at \$3.35-4.25 per lb on October 14, up by 18.75% from \$2.90-3.50 per lb on October 7.

This was the fourth week in a row that US silicon has reached a new high in Fastmarkets' assessment - which dates to 1997 - even as the price in Europe has flattened and in China has declined.

Europe remained the region with the most expensive silicon among Fastmarkets' global assessments on Friday October 15.

Chinese prices fell the prior week for the first time since July after a stratospheric rise that included weekly gains of 65%.

On September 24, silicon prices hit what were then worldwide peaks, stemming from falling production in China. The world's biggest silicon supplier faces a power crisis, and silicon is one of the most energy intensive metals to produce.

The US price is now more than twice what it was on September 9, before a series of double-digit rises in the five weeks since. The smallest increase was 9.75% in the week to September 30, while the largest was 34.7% in the week to October 7.

Buyers in Mexico, Canada competing with US buyers

Neighboring Mexico and Canada, deprived of Chinese silicon, are now competing with US buyers for supply that was short even before the latest production problems in China, sources said. Chinese silicon rarely enters the US because of prohibitive duties.

Prices in Mexico for standard grade 5-5-3 silicon, delivered were \$4 per lb two weeks ago, sources told Fastmarkets.

One major buyer told Fastmarkets that he had to pay about \$5 per lb in Mexico in the latest assessment week.

Consequently, the major buyer said, "I think the US floor is now over \$4."

Already, several US sales of standard grade silicon were reported on October 14 at \$5 per lb for sizes smaller than the minimum truckload sales counted in Fastmarkets assessments.

Fastmarkets does not assess silicon prices in Mexico or Canada, but in Canada, one truckload sale was reported early in the week above \$6 per lb for higher-purity silicon - equating to well above \$5 per lb for standard grade, sources said.

The sale was considered exceptionally high but is indicative of some customers' willingness to ensure supply of raw materials to make their products.

Aluminium alloy prices rise on silicon costs

Standard grade 5-5-3 silicon is used in aluminium alloys, including primary foundry alloy and secondary aluminium alloys, whose prices rose in the US in the week to October 14.

"The silicon crunch is real," one producer of alloys such as A380.1 told Fastmarkets. "Mexico is getting squeezed and looking to the US for alloy. All we can do at this point is raise prices to try to keep up with rising cost."

Those alloys mostly go into car parts, but automaking demand is down due to a computer chip shortage.

Alcoa, the world's eighth largest aluminium producer, will pass on higher silicon costs in its products, it said in an earnings call on October 14, when the US-based company released its third-quarter results.

Fastmarkets assesses standard grade silicon in the US, Europe (Rotterdam) and China.

Fastmarkets assessed the price for silicon grade 5-5-3 98.5% Si min, in-whs Rotterdam at €8,500-8,650 (\$9,858-10,032) per tonne on October 15, flat from October 8, when it had risen by 31.9% from €6,000-7,000 per tonne on October 1.

Fastmarkets assessed the price of silicon export 98.5% Si min, fob China at \$6,500-7,000 per tonne on October 15, down from \$8,500-9,500 per tonne on October 8.

Europe, like Canada and Mexico, relies on Chinese silicon supply.

Europe's in-warehouse price is the equivalent of \$4.50 per lb, while the US midpoint is \$3.80 per lb, including duty and delivery.

With that price difference and US silicon supply being short, one global buyer foresaw likely increases in the US price.

"The question is," the source said, "will the price in the US catch up to the increased price in Europe, since Brazil and other silicon-producing countries may choose to ship materials to Europe for high margin?"

US scrap mart may ride export coattails up

By Lisa Gordon - Monday 18 October

A resurgence in prices in the United States' ferrous scrap export market has revealed tightness in obsolete scrap grades, which is expected to put upward pressure on pricing in the domestic November ferrous scrap trade.

A [US export cargo sale to Turkey](#) on Friday October 15 caught many by surprise, with an 80:20 mix of No1 and No2 heavy melting scrap priced at \$489.50 per tonne cfr and shredded scrap at \$509.50 per tonne cfr.

The deal was up by nearly \$30 per tonne for the HMS and shredded components [compared with one week earlier](#), with numerous cargoes sold off the East Coast that have further tightened supply.

Dealers are now enthused about the prospect of tight supply forcing domestic prices higher. While Turkey and the US do not move in tandem, when prices rise or fall in Turkey, those in the US' domestic market tend to follow suit.



One Chicago dealer said he has already been offered a \$10-per-gross-ton increase on his plate and structural scrap by multiple mills.

Fastmarkets last assessed the [steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Chicago](#) at \$465 per ton on October 7, unchanged from the previous month.

A southern shredding source said word that Turkey and Japan are paying more for scrap, in addition to mills enjoying huge margins, are incentives to hold back tons until the mills become more generous.

In the Midwest, shredder feed prices were unchanged.

“There are quiet deals for large tonnage, but raising the scale price won't bring out more material because it was a busy summer and peddlers [retail customers] are now focused on college football and hunting,” a Midwest shredding source said.

Fastmarkets' weekly assessment for [steel scrap shredder feed, fob Midwest](#) was steady at \$192.69 per ton on October 18.

Other areas showed mixed movements.

The assessment for [steel scrap shredder feed, fob Ohio Valley](#) fell by 1.39% to \$199.29 per ton on Monday from \$202.09 per ton a week earlier.

The assessment for [steel scrap shredder feed, fob Southeast](#) was at \$176.15 per ton, up 1.17% from \$174.11 per ton in the same comparison.

INTERVIEW: Feralpi commits to decarbonization in face of challenging market environment

By Julia Bolotova - Monday 18 October

Giuseppe Pasini, chairman of Italy's Feralpi Group, one of the leading long steel manufacturers in the European Union, spoke with Fastmarkets' Julia Bolotova about the challenges facing the European steel sector and Feralpi's strategy in light of the EU's ambitious greenhouse emissions reduction goals and global trade restrictions.

Energy crisis in Europe

The recent jump in electricity and gas prices has pushed production costs for electric-arc furnace-based mills in Europe sharply higher. This is a problem affecting the whole European steel sector and requires one common solution, Feralpi Group believes.

“The European energy market depends on foreign energy sources from outside Europe - Russia and North Africa, in particular. That makes our market vulnerable,” Pasini said.

Europe should have larger internal gas storage to manage energy crises like the one affecting the industry now, when during peak hours electricity and gas prices surge. Having this gas storage would help balance the energy market, according to Pasini.

But it is a problem that requires a structural, long-term approach, he said.

In the meantime, to manage growing energy costs, Feralpi Group has a five-year goal to install more than 100MW of renewable power to cover 20% of the group's energy requirements for its production sites in Italy.

The €100 million (\$116 million) investment will also help the company to significantly reduce its carbon emissions, which has become a priority for European steelmakers recently in light of the EU's ambitious climate goal.

But while energy costs in Europe have risen to some €150-300 per MWh in

October (and up to €400 per MWh during peak hours), compared with levels of around €40-50 per MWh last year, according to market sources, the company is implementing some temporary selective production stoppages at its sites in Italy and Germany to balance the rolling costs.

The stoppages will be minor and are expected to have a limited impact on company's output, Fastmarkets understands.

Decarbonization goals

The EU has committed to reduce greenhouse emissions by at least 55% by 2030 compared with 1990 levels and become climate neutral by 2050.

Feralpi uses EAF-based steel production, which is circular by nature. About 93% of Feralpi's total steel output of 2.5 million tonnes per year is currently produced from recycled inputs.

About 83% of the company's industrial waste is transformed and recovered.

In 2021, the company completed an experimental phase of using waste plastic materials/polymers as reduction agents to replace coal in an EAF at Feralpi Siderurgica.

Replacing coal in the mill with technopolymers has reduced carbon dioxide emissions at Feralpi Siderurgica by around 2,000 tpy, contributing to the decarbonization of the production process.

In addition, the technical performance of the EAF at the facility improved. And there were economic advantages arising from the lower cost of the material and lower consumption, Feralpi said.

“The materials derived from plastic can be a safe alternative to coal,” the company said.

Feralpi is committed to further reduction of CO2 emissions through developing circular practices to comply with the EU goals.

Reducing its CO2 footprint will also help the company save on continuously rising CO2 emission allowance costs, Fastmarkets understands.

The European carbon permits price has surged to nearly €60 per tonne, doubling since the start of 2021.

“We are reducing gas and electricity consumption, reducing direct and non-direct emissions,” Pasini told Fastmarkets.

In 2020, Feralpi Group cut greenhouse emissions by 7.5% compared with 2019 levels and reduced waste produced from the steelmaking operations by 6.3% year on year.

Steel prices fluctuations and different fundamentals in Southern and Northern Europe

After reaching historical peaks in the summer, steel prices in Europe started to decline in September, flustering the steel market. The trend has started reversing recently, however, because producers have begun implementing price rises to compensate for higher rolling costs.

But Feralpi expects long steel prices to remain largely flat in the last quarter of 2021, with minor fluctuations possible.

“Market fundamentals will not be favorable for increases implementing due to the seasonal slowdown of consumption in the last quarter of 2021. It's a typical thing that steel prices increase in the spring/summer, in line with increasing consumption, and then weaken during the last quarter of the year,” Pasini said.

Long-term prospects for the long steel consumption in Italy are quite positive. Notably, the company expects to see construction industry activity in Italy rebound and exceed pre-covid levels in the next two years thanks to the



government-funded initiatives, mainly in the public sector.

Steel imports issue and global trade wars

For the long steel sector, the impact of imports has not been as dramatic as it has been in the flat steel segment, the company believes.

The key issue for the Italian market is domestic competition rather than competition with overseas suppliers, according to Feralpi.

"The competition in Italy's market is high. There are many long steel producers active in the market and we produce more than we consume. Northern Europe is more import-dependent, while mills in Southern Europe are more export-oriented," Pasini said.

The introduction of safeguard measures in 2019, however, has elevated the imports pressure significantly.

The EU's safeguard measures were imposed to mirror the United States' Section 232 restrictions.

Both the EU and the US have recently been in active discussions regarding the trade barriers however. The parties were widely expected to reach an agreement by November 1 on an exemption from Section 232 for European steel and aluminium. Notably, sources expect the current tariffs to be replaced with quotas, similar to the system the EU uses now.

Before the Section 232 introduction, Feralpi used to export about 150,000 tpy of steel to the US.

In the event that restrictions are removed, Feralpi will consider resuming export deliveries to the US, Pasini said.

Portside manganese ore markets jump; low- and high-grade price gap widens

By Siyi Liu - Monday 18 October

Manganese ore prices at Chinese ports rose markedly in the week to Friday October 15 amid an improved demand outlook and easing production headwinds in some major alloy-producing regions.

The price differential between low-grade and high-grade manganese ore grew to 8.50 yuan (\$1.32) per dry metric tonne unit (dmtu) on Friday, the widest since Fastmarkets started assessing the markets in January 2019.

Suppliers have been attempting to push up portside prices with higher offers since mid-August amid a soaring silico-manganese market, the main consumer of manganese ore. But they have also battled against ample supply, stagnant demand and [rising storage costs](#).

Fastmarkets' [manganese ore port index, base 37% Mn, range 35-39%, for Tianjin](#) registered a steady rise over the past two months, to 34.60 yuan per dmtu on October 8 from 33.30 yuan per dmtu on August 9.

On Friday, the index jumped by 4.3% week on week to 36.10 yuan per dmtu.

Similarly, Fastmarkets' [manganese ore port index, base 44% Mn, range 42-48%, for Tianjin, China](#) gained 5.34% from 39.30 yuan per dmtu on August 9 to 41.40 yuan per dmtu on October 8, before jumping by 7.7% to 44.60 yuan per dmtu on Friday.

The prominent uptick in prices was mainly due to increased manganese alloy production in Inner Mongolia, one of the country's largest silico-manganese producing regions, Fastmarkets understands.

The autonomous region lifted its electricity rates in September and since then electricity supply has improved. Some smelters in Inner Mongolia were heard

to be able to ramp up production to 50% of normal levels, from 30% in the third quarter.

"The ramp-up [in production] has strengthened confidence in terms of ore demand," one trader said. "Despite demand still being constrained compared with normal levels, it can only get better from the worst time in the third quarter."

Meanwhile, smelting activities in Guangxi Zhuang autonomous region, which were largely halted in September, have resumed back to normal in the past week, participants told Fastmarkets.

In addition to the improved outlook, increasingly, cargoes at ports are being held by fewer traders which has facilitated them in achieving higher prices, Fastmarkets heard.

"Many small to medium traders withdrew from buying seaborne cargoes when prices continually exceeded portside prices for most of the year, which leads to tradeable cargoes at ports belonging to a limited number of suppliers," a second trader said.

That said, spot liquidity remained limited because many smelters still have sufficient stocks and their bookings of seaborne cargoes continue to arrive, participants said.

"It's mainly smelters with low stocks - and amid fears of prices rising further - that are buying," a silico-manganese producer source said.

Growing gap between low- and high-grade prices

Different levels of demand and supply of low- and high-grade manganese ore have led to an enlarged price gap between the two, which has traditionally ranged between 3 yuan and 5 yuan per dmtu, according to market participants.

Producers have shown strong appetite for high-grade manganese ore, especially Australian lumpy, in a bid to increase their output under constrained electricity supply.

"Smelters are making a profit of 2,000-3,000 yuan per tonne they produce. Of course their tolerance of feedstock costs is high and of course they will try to increase their output," a third trader said.

Participants told Fastmarkets the ratio of high-grade versus low-grade manganese ore usage in silico-manganese production has been increased to 7:3, compared with the traditional 6:4 for many producers.

Meanwhile, limited availability of high-grade manganese ore has given prices another push, whereas supply of low-grade manganese ore remains ample.

At the Port of Tianjin, where the majority of China's manganese ore stocks are held, stocks of Australia-origin manganese ore declined by 35% in the past month to about 495,000 tonnes in the week to Monday October 18, while South Africa-origin manganese ore stocks totaled 2.74 million tonnes, up 15% in the same period, according to data submitted by market participants.

"For Australian lumpy, buyers are willing to take offers as long as you deliver the material right away, but they are more hesitant to accept higher prices for semi-carbonate," the second trader said.

Whether the unusual gap will last depends on alloy performance, participants told Fastmarkets.

Fastmarkets' assessment of [silico-manganese 65% Mn min, max 17% Si, in-whs China](#) was unchanged week on week at 12,000-12,500 yuan per tonne on Friday, the highest since August 2008.

"Smelters will produce as much as they possibly can if their wide margins stay," a fourth trader said.



"However, the increased alloy output could put some downward pressure on alloy prices in the near term. Once smelters' profit margins get back within

1,000 yuan per tonne, they will possibly switch back to use more low-grade ore to eliminate costs," he added.

Base metals

Toyota to invest \$3.4bln in US auto, EV batteries

By Orla O'Sullivan - Monday 18 October

Toyota will invest approximately \$3.4 billion in automotive batteries in the United States through 2030, the Japanese automaker said on Monday October 18 .

"Specifically, the investment is for developing and localizing automotive battery production, including those for battery electric vehicles, and is part of the global total of [approximately] \$13.5 billion (1.5 trillion yen) set aside for investment in battery development and production announced last month by Toyota Motor Corp," the company [said in a press release](#).

Toyota Motor North America also announced on Monday that it will establish a new company and build an automotive battery plant with Toyota Tsusho in the US, with production targeted to start in 2025. The \$1.29-billion investment through 2031 will also create 1,750 new jobs in the US, the Toyota City, Japan-based parent company said.

"Toyota's commitment to electrification is about achieving long-term sustainability for the environment, American jobs and consumers," Toyota Motor North America chief executive officer Ted Ogawa said in the announcement.

"This investment will help usher in more affordable electrified vehicles for US consumers," he said.

Electrified vehicles account for nearly 25% of Toyota's US sales volumes, but that number is expected to rise to nearly 70% by 2030, the company said.

Toyota has sold more than 18.7 million electric vehicles (EVs), of which more than 4.5 million have been in the US.

EV batteries mostly use lithium-ion and a nickel-cobalt-manganese formulation in their cathode.

The [US premium for nickel briquette is at an all-time high](#), largely on scarce domestic supply caused by the global EV boom.

Fastmarkets assessed the [nickel briquette premium, delivered Midwest US](#) at 45-55 cents per lb on October 12, flat week on week after setting the record on October 5.

Argentina's Aluar to resume remaining 25% restricted aluminium capacity

By Renato Rostás - Monday 18 October

Argentinian aluminium producer Aluar will resume a quarter of its production capacity that has been restricted since the beginning of the Covid-19 pandemic after the federal government guaranteed power supply at lower costs, the company and the government said jointly on Wednesday October 13.

That will amount to 106,000 tonnes of aluminium and result in 600 new direct and indirect jobs, they said. Aluar makes primary ingot and extrusion billet.

The aluminium producer had previously said federal discounts to energy prices

- a benefit from the government that was extended to December 31 from June 30 this year - were [insufficient to increase production](#).

Its primary aluminium plant in Puerto Madryn, a city in the Argentinian Patagonia, cut output to only half of its 460,000-tonne-per-year capacity in March 2020 to restrict the spread of Covid-19. It then reached 60% capacity in October last year, and [finished 2020 with 70% of its capacity operational](#).

In 2021, Aluar was able to produce 75% of the plant's capacity but refused to increase it further due to high energy costs.

A source close to the negotiations said such a capacity utilization increase, however, will only take place in 2022. The main goal is to fully use the 180,000-tpy quota that Argentina can export to the United States without being subject to Section 232 tariffs, continue supplying domestic clients and then regain market share in Brazil, the source said.

The joint release from Aluar and the Argentinian government said there will be an additional \$200 million in exports following the output increase.

Fastmarkets assessed the [aluminium P1020A premium, cif dup Brazilian main ports](#) at \$420-450 per tonne on October 5, a 6.5-year high and up by \$20-30 from \$400-420 per tonne on September 21, amid a broader global upward trend and higher maritime freight costs.

Vale's Onça Puma nickel ops suspended again; company plans appeal

By Renato Rostás - Monday 18 October

Vale's operational license at its Onça Puma nickel mine in northern Brazil has again been suspended by the state court of Pará, the Brazilian mining company said on Monday October 18.

A judge revoked a [previous legal injunction from October 7](#) that allowed the company to run Onça Puma, according to Vale, thus reinstating a [suspension of its operational license issued on October 1](#).

Pará state environmental regulator Semas withdrew the permit due to Vale's non-compliance in providing fiber infrastructure and a health-care unit to the nearby region, both specified in the licensing process, forcing the company to halt operations at the site, it told Fastmarkets on October 4.

"Vale has started the operation halt at Onça Puma and will continue to take applicable administrative and legal action to revert the order of suspension," the company said in a filing to Brazilian securities and exchange commission CVM.

Onça Puma produced 11,500 tonnes of nickel in the first half of 2021, an 85.48% year-on-year jump from 6,200 tonnes, Vale showed in a second-quarter production report. The mine has the capacity to produce around 220,000 tonnes per year of ferro-nickel, with 53,000 tpy in nickel content.

Mining was first halted at Onça Puma by a judicial decision in September 2017. The processing plant at the site was ordered to stop in June 2019. The [Brazilian Supreme Court later authorized all operations to be resumed](#) on September 12, 2019.

The [three-month nickel](#) price on the London Metal Exchange closed the official session at \$19,830 per tonne on October 15, up by 2.96% from \$19,260 per tonne a day earlier but still down by 2.67% from an 88-month high of \$20,375 per tonne on September 10.

Ford to invest \$316mIn to build electric car components in UK

By Cristina Belda - Monday 18 October

Ford Motor will invest \$316 million to build electric car components at its Halewood factory in northern England, it said.

The US automotive manufacturer expects power unit production to begin in mid-2024, with capacity planned to be around 250,000 units per year, it said in a release on Monday October 18.

This vehicle transmission facility, which currently builds transmissions for several Ford vehicles, will be turned into an electric power unit production plant that will supply electric motors and power electronics. The conversion will safeguard 500 jobs, Fastmarkets understands.

The investment is subject to and includes UK government through its Automotive Transformation Fund (ATF), a funding program created to support large-scale industrialization of an electrified supply chain. The government made an estimated £30 million available via its scheme, sources close to the matter have reported in local media.

"This is an important step, marking Ford's first in-house investment in all-electric vehicle component manufacturing in Europe," Ford's Europe president Stuart Rowley said.

"It strengthens further our ability to deliver 100% of Ford passenger vehicles in Europe being all-electric and two-thirds of our commercial vehicle sales being all-electric or plug-in hybrid by 2030," Rowley added.

Accelerating investment in Europe

The news comes after several electrification announcements from Ford in Europe this year.

In the statement, the carmaker also said that will invest \$1 billion to modernize its vehicle assembly facility in Cologne, Germany, one of its largest manufacturing centers in Europe.

Ford also announced earlier in March this year that in addition to building the all-electric E-Transit from 2022, Ford Otosan, Ford's joint venture in Turkey, will produce an all-electric version of the next-generation Transit Custom from 2023 at its manufacturing facility in Kocaeli, Turkey.

A new light commercial vehicle being built by Ford's vehicle assembly operations in Craiova, Romania, will include an all-electric derivative from 2024, Ford said on April 27.

Ford expects 40% of its global vehicle volume to be fully electric by 2030.

To achieve this goal, the carmaker has committed more than \$30 billion in investment in electrification by 2025, including the Mustang Mach-E passenger car; the 2022-model E-Transit commercial van, to be available late in 2021; and the 2022-model F-150 Lightning light truck, to be available from spring next year.

On September 28 the company also unveiled plans to spend \$11.4 billion on new production sites in the US for electric vehicles (EVs) and their batteries as part of its push to bring zero-emission auto production to the country.

Ford is investing in battery technology and equipping the company to design, engineer and manufacture its own batteries, which require raw materials such as lithium, nickel, cobalt and manganese.

AT A GLANCE: Peru's Buenaventura Q3 output down on lower recovery, blockades

By Renato Rostás - Monday 18 October

A summary of Peru-based miner Buenaventura's output and sales figures for the third quarter of 2021, as stated in its production report published on Friday October 15.

In brief

- Mine production and sales volumes were down year on year due to halted operations at Uchucchacua – near the country capital city, Lima – due to a blockade by local community members and lower recovery rates at El Brocal, which is east of Uchucchacua.
- Buenaventura reported an average zinc realized price of \$3,048 per tonne in the third quarter, a 29.76% year-on-year jump from \$2,349 per tonne.
- Average July-September lead realized prices were \$2,412 per tonne, up by 45.39% from \$1,659 per tonne in the corresponding period of 2020.
- The miner's copper realized price averaged \$9,488 per tonne in the quarter, rising by 47.15% from \$6,448 per tonne a year before.
- Gold output ramp-up was in line with expected figures at the Orcopampa mine, the company said.
- Buenaventura lowered the full-year 2021 zinc output guidance for El Brocal and the zinc and lead production guidance for Uchucchacua due to lower-than-expected third-quarter production, but estimates for zinc and lead output at Tambomayo rose.

Third-quarter key figures

Year-on-year percentage change

Zinc production

14,255 tonnes, down by 41.81% from 24,497 tonnes

Zinc sales volumes

11,115 tonnes, down by 45.37% from 20,346 tonnes

Lead production

6,647 tonnes, down by 36.61% from 10,486 tonnes

Lead sales volumes

5,919 tonnes, down by 37.65% from 9,493 tonnes

Copper production

9,146 tonnes, down by 0.48% from 9,190 tonnes

Copper sales volumes

8,677 tonnes, down by 1.39% from 8,799 tonnes

2021 zinc production guidance

El Brocal: 36,000-38,000 tonnes, down from 40,000-45,000 tonnes



Minor metals

Mexico, Canada, help send US Si price to new high; \$5 per lb in sight

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Buyers in Mexico, Canada competing with US buyers

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PEOPLE MOVES: Martín Núñez, Candida Owens join MtalX in minor metals/ferro-alloys expansion

By Cristina Belda - Monday 18 October

Senior traders Martín Núñez and Candida Owens have joined UK-based commodity trading house MtalX.

They will expand MtalX's minor metals and ferro-alloys footprint, the company told Fastmarkets. The London-based traders will focus on magnesium, silicon, antimony, cobalt, noble alloys and bulk alloys as well as various mineral ores and concentrates.

Prior to this role, Núñez worked for Swiss trader ArrowMetals where he [traded ferro-alloys and minor metals such as antimony, silicon and cobalt](#). Before that, he spent five years at UK-based TMT Metals Holdings (TMT), trading noble ferro-alloys such as molybdenum or ferro-vanadium.

Owens spent 12 years as managing director of UK-based trading house Raw Metals, where she dealt with minor metal concentrates and scrap, with a special focus on tin, tantalum, niobium and tungsten.

MtalX is a trading house specializing in supplying non-ferrous metals and alloys for aluminium and steel markets. The company has a presence in Europe, North and South America, the Far East, Africa and Asia.

"The silicon crunch is real," one producer of alloys such as A380.1 told



ANTIMONY MONTHLY REVIEW – OCTOBER: Tightening metal, trioxide supply

By Sofia Okun - Monday 18 October

The antimony metal and trioxide markets remained tight, with China's environmental checks the main factor pushing the prices up; some market players hope that smelters in Hunan, China, could reopen at the end of October, easing supply.

MONTHLY AVERAGE ANTIMONY PRICES				
	Sept average price	% change month on month	% change from three months ago	% change year on year
Antimony max 100 ppm Bi, in-whs Rotterdam, \$/tonne	12,525.00	▲ 4.6	▲ 24.0%	▼ 12.0%
Antimony MMTA standard grade II, in-whs Rotterdam, \$/tonne	12,427.78	▲ 4.2	▲ 23.3%	▼ 11.6%
Antimony MMTA standard grade II, ddp China, yuan/tonne	71,375.00	▲ 5.9	▲ 31.3%	▼ 9.3%
Antimony trioxide 99.5% Sb2O3 min, cif Antwerp/Rotterdam, \$/tonne	10,600.00	▲ 8.9	▲ 24.12%	▼ 7.88%
Antimony trioxide 99.5% Sb2O3 min, fob China, \$/tonne	10225	▲ 9.8	▲ 23.34%	▼ 8.33%
Antimony trioxide 99.5% Sb2O3 min, in-whs Antwerp/Rotterdam, €/kg	10.14	▲ 8.0	▲ 20.43%	▼ 12%
Antimony trioxide 99.5% Sb2O3 min, in-whs Baltimore, \$/lb	5.85	▲ 9.6	▲ 30.00%	▼ 9.89%
Source: Fastmarkets				

Price moves

The Chinese antimony price steadily moved up in September due to tight domestic supply. Most producers suspended operations due to a shortage of raw materials and could only supply the market from inventories.

"With more stocks consumed by the market as time goes by, there will be less and less antimony available for [the domestic] market," a Chinese trader said.

At the end of September, antimony prices reached a fresh twelve-month high.

Antimony trioxide (ATO) prices have also been increasing, following the metal's price dynamics. The shortage persists in the United States market, sources said, driving prices up by 9% on a monthly basis.

Market news: Environmental checks, logistic issues, electricity rationing

The closure of metal refineries in Lengshuijiang city, of Hunan province, the antimony production hub in China, further exacerbated concerns about antimony supply.

In early September, the Zijiang river in Lengshuijiang was found to contain excessive levels of arsenic and antimony, resulting in the shutdown of at least seven antimony plants during September, while an investigation has been ongoing.

"Participants still have no idea when those plants can resume production," a second Chinese trader said.

"We did not receive any guidance from the government, but we hope to reopen at the end of October," an antimony metal and trioxide producer operating in Hunan told Fastmarkets.

A US-based buyer of antimony metal suggested that the plants could reopen at the end of October.

Many commodities produced in China have been affected by electricity rationing directed by local and central governments.

"Downstream manufactures may not be able to operate normally due to current power limits in China. Domestic demand for antimony would decline if downstream manufacturers cut output given power shortage, which would weigh on antimony prices," a third Chinese trader said.

An ATO producer operating in Guangxi said that because of power limits, his plant could operate only five days a week instead of working non-stop.

However, some Chinese sources said that there was no real impact on antimony plants' production, given that most plants were not operating at all because of environmental checks.

The shortage of available vessels and containers has added pressure to prices, market participants said. One ATO producer complained that it had been hard to get antimony concentrate from Russia and Tajikistan.

Alternative supply markets are also scarce, with COVID-related restrictions in place in Myanmar and difficulties getting material into Vietnam, a traders told Fastmarkets.

Earlier in October, sources told Fastmarkets that congestion at major ports on the China-to-Europe route is set to worsen in the next three to four months.

Outlook: Tightness here to stay

Entering October, Fastmarkets' sources became cautious.

With Chinese cargo holders asking for higher prices, domestic spot trading remained relatively slim. Downstream consumers only purchased material on "hand-to-mouth" needs, and exporters who have orders at hand would buy the materials.

"Antimony is expensive. Traders, who only do domestic business, rarely stockpile the materials. They may only consider back-to-back trading," the first Chinese trader said.

Due to a shortage on the European market, customers who usually buy antimony standard grade II metal have had to switch to trioxide metal, a European metal trader said.

One of the Chinese ATO producers suggested that if the shortage of materials cannot be solved, the prices for metal and trioxide are likely to stay high.

A European trader of ATO mentioned a lack of sufficient stock in Europe and no signs of lowering prices. "It is a sellers' market," he said.

"People are scrambling around to use what they can," another European trader said.

Ruby Liu in Shanghai and Fola Malomo in London contributed to the article.

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

By pricing@fastmarkets.com - Monday 18 October

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 26.45-27.15 on Monday October 18, 2021.



- Sale at \$25.40 for standard tonnage (discarded due to offgrade material)
- Purchase at \$26.10 for standard tonnage
- Purchase at \$26.35 for standard tonnage
- Sale at \$27.00 for small tonnage
- Offer at \$26.60
- Offer at \$26.85
- Offer at \$27.00
- Offer at \$27.00
- Offer at \$27.10
- Offer at \$27.30
- Offer at \$27.50
- Bid at \$26.60
- Bid at \$27.15
- Prices indicated at \$26.45-27.00
- Prices indicated at \$26.45-27.20
- Prices indicated at \$26.50-27.00
- Prices indicated at \$26.50-27.10
- Prices indicated at \$26.50-27.25
- Prices indicated at \$26.65-27.25
- Prices indicated at \$27.00-27.20
- Prices indicated at \$27.25-27.50

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 - Monday 18 October

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 26.45-27.40 on Monday October 18, 2021.

- Sale at \$26.50 for small tonnage (discarded due to tonnage below Fastmarkets' specification)
- Sale at \$27.15 for large tonnage
- Sale at \$27.40 for small tonnage
- Offer at \$27.10
- Offer at \$27.30
- Bid at \$27.15
- Prices indicated at \$26.45-27.00
- Prices indicated at \$26.45-27.20
- Prices indicated at \$26.50-27.00
- Prices indicated at \$26.50-27.10
- Prices indicated at \$26.50-27.25
- Prices indicated at \$26.65-27.25
- Prices indicated at \$27.00-27.20
- Prices indicated at \$27.00-27.25

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Umicore expects slightly lower 2021 earnings amid semiconductor shortage

By Carrie Shi - Monday 18 October

Belgian battery materials manufacturer Umicore has lowered their full-year outlook for 2021 because the global semiconductor shortage has impacted its catalysis, cathode materials and recycling segments business, the company said on Monday October 18.

Umicore anticipates its full-year adjusted earnings before interest and taxes (Ebit) to approach €1 billion (\$1.16 billion), compared with the previous estimate of slightly over €1 billion, communicated on 30 July.

The latest figure is based on current metal prices and assumes no further degradation of the semiconductor supply situation, no rising transport costs and no further increase in energy prices, the company said.

The company still expects more than double adjusted Ebit for its catalysis business in 2021 compared with 2020, but it further increases have been curbed by the semiconductor shortage in the automotive industry; the situation is more severe than in July 2021. Most car manufactures' production forecasts have been revised down accordingly, which has impacted all related business - including catalysis.

Umicore expects the semiconductor shortage to postpone the start of commercial production in the company's greenfield cathode materials plant in Nysa, Poland to the second quarter of 2022. The company will keep serving the European market through its Korean plant.

The company expected lower sales of cathode materials for the second half of 2021, but it still expects total volumes for 2021 to be higher compared with the previous year.

CHINA SELENIUM SNAPSHOT: Offers rise on downstream gains, but spot trading still lackluster

By Ruby Liu - Monday 18 October

Key data from Fastmarkets' pricing session in China on Friday October 15.

SELENIUM 99.9%, SE MIN (in-whs China, yuan per kg)			
New price	Previous price	Change to midpoint of range	Midpoint % change
130-185	130-170	▲ 7.5	▲ 5
Source: Fastmarkets			



Key drivers

- Cargo holders, particularly those selling imported selenium in the Chinese domestic market, were reluctant to sell cheaply and raised their offers after downstream manganese flake prices continued to strengthen.
- Spot trading in China's domestic selenium market remained lackluster; sellers could only sell a few hundred kilograms of materials per order to downstream consumers who purchased the materials on a hand-to-mouth basis.
- Participants who had not received any inquiries said they had no plan to lower their offers, and held them steady instead.

Ores and alloys

Fastmarkets AMM: Ferro-alloys October 18

By Chris Kavanagh - Monday 18 October

The latest ferro-alloy prices from Fastmarkets price reporters.

Fastmarkets AMM		FERRO-ALLOYS		OCTOBER 18, 2021	
PRICE DESCRIPTION	LOCATION	CURRENT PRICE	PREVIOUS PRICE	CHANGE	%
CHINESE ORE					
Chinese Ore, South Africa, US\$ concentrate, 42% iron base, c.i.f. China, \$ per tonne	South Africa	105	105	0	0.0%
Chinese Ore, Turkey, 40-42%, c.i.f. main Chinese ports, \$ per tonne	Turkey	220-230	220-230	0	0%
EUROPEAN ORE					
High carbon					
European Ore 44% C, max. 80% Cr base, 2% Si, United States (warehouse), \$ per lb	USA	1.30-1.40	1.30-1.40	0	0.0%
European Ore 44% C, max. 80% Cr base, 2% Si, major European destinations, \$ per lb	EU	1.30-1.35	1.30-1.35	0	0.0%
European Ore 44% C, max. 80% Cr base, 2% Si, Japan, \$ per lb	Japan	1.30-1.35	1.30-1.35	0	0.0%
European Ore 44% C, max. 80% Cr base, 2% Si, South Korea, \$ per lb	South Korea	1.30-1.35	1.30-1.35	0	0.0%
Medium carbon					
European Ore 37% C, max. 70% Cr base, 1% Si, United States (warehouse), \$ per lb	USA	1.10-1.20	1.10-1.20	0	0.0%
European Ore 37% C, max. 70% Cr base, 1% Si, major European destinations, \$ per lb	EU	1.10-1.15	1.10-1.15	0	0.0%
European Ore 37% C, max. 70% Cr base, 1% Si, Japan, \$ per lb	Japan	1.10-1.15	1.10-1.15	0	0.0%
European Ore 37% C, max. 70% Cr base, 1% Si, South Korea, \$ per lb	South Korea	1.10-1.15	1.10-1.15	0	0.0%
Low carbon					
European Ore 33% C, max. 60% Cr base, 0.5% Si, United States (warehouse), \$ per lb	USA	1.00-1.10	1.00-1.10	0	0.0%
European Ore 33% C, max. 60% Cr base, 0.5% Si, major European destinations, \$ per lb	EU	1.00-1.05	1.00-1.05	0	0.0%
European Ore 33% C, max. 60% Cr base, 0.5% Si, Japan, \$ per lb	Japan	1.00-1.05	1.00-1.05	0	0.0%
European Ore 33% C, max. 60% Cr base, 0.5% Si, South Korea, \$ per lb	South Korea	1.00-1.05	1.00-1.05	0	0.0%
MANGANESE ORE					
Manganese Ore 44% C, c.i.f. China, \$ per tonne	China	7.20	7.20	0	0.0%
Manganese Ore 37% C, c.i.f. China, \$ per tonne	China	6.10	6.10	0	0.0%
FERRO-MANGANESE					
High carbon					
European Ferro-Manganese 70% Mn, standard 7.2% C, United States (warehouse), \$ per lb	USA	1.30-1.40	1.30-1.40	0	0.0%
European Ferro-Manganese 70% Mn, standard 7.2% C, major European destinations, \$ per lb	EU	1.30-1.35	1.30-1.35	0	0.0%
European Ferro-Manganese 70% Mn, standard 7.2% C, Japan, \$ per lb	Japan	1.30-1.35	1.30-1.35	0	0.0%
European Ferro-Manganese 70% Mn, standard 7.2% C, South Korea, \$ per lb	South Korea	1.30-1.35	1.30-1.35	0	0.0%
Medium carbon					
European Ferro-Manganese 60% Mn, standard 7.2% C, United States (warehouse), \$ per lb	USA	1.10-1.20	1.10-1.20	0	0.0%
European Ferro-Manganese 60% Mn, standard 7.2% C, major European destinations, \$ per lb	EU	1.10-1.15	1.10-1.15	0	0.0%
European Ferro-Manganese 60% Mn, standard 7.2% C, Japan, \$ per lb	Japan	1.10-1.15	1.10-1.15	0	0.0%
European Ferro-Manganese 60% Mn, standard 7.2% C, South Korea, \$ per lb	South Korea	1.10-1.15	1.10-1.15	0	0.0%
Low carbon					
European Ferro-Manganese 50% Mn, standard 7.2% C, United States (warehouse), \$ per lb	USA	1.00-1.10	1.00-1.10	0	0.0%
European Ferro-Manganese 50% Mn, standard 7.2% C, major European destinations, \$ per lb	EU	1.00-1.05	1.00-1.05	0	0.0%
European Ferro-Manganese 50% Mn, standard 7.2% C, Japan, \$ per lb	Japan	1.00-1.05	1.00-1.05	0	0.0%
European Ferro-Manganese 50% Mn, standard 7.2% C, South Korea, \$ per lb	South Korea	1.00-1.05	1.00-1.05	0	0.0%

Key quotes

"Manganese flake prices have been robust, therefore there is no way for us to supply selenium at cheap prices. Though the selenium market in China has been quiet overall, those who need the material have to pay a bit more now," - China-based trader 1

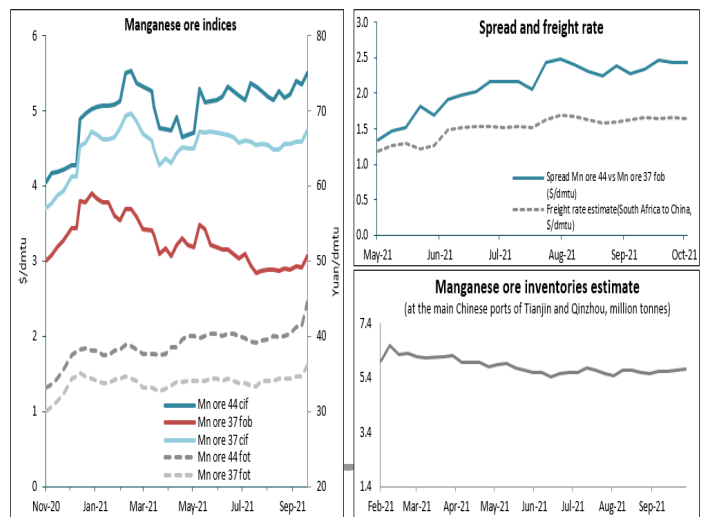
"Price cuts will not drive consumption up, and it could even make situation worse. Instead, raising prices a bit may trigger some demand," - China-based trader 2

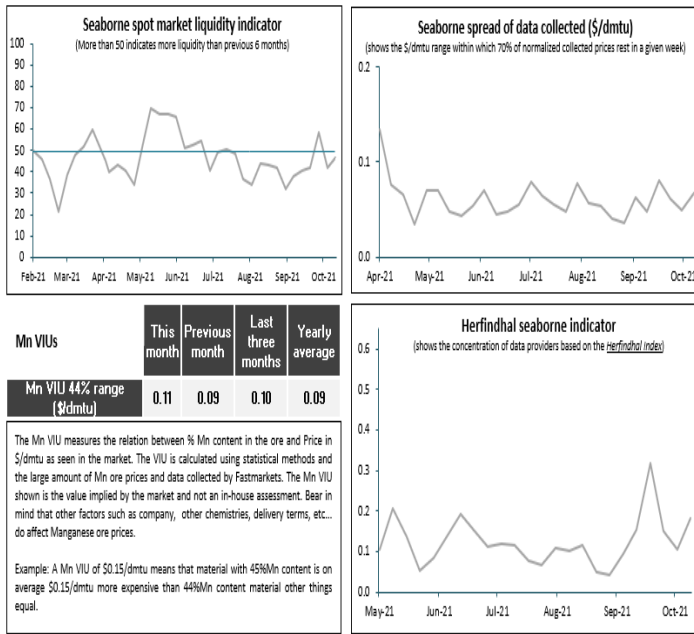
MANGANESE ORE ANALYTICS: October 18, 2021

By Jon Stibbs, Siyi Liu - Monday 18 October

The latest data for the global manganese ore market for the week to October 18, 2021.

INDICES	Code	Incoterm	Measure	Latest price	Previous price	Weekly change	Monthly average	Previous month	Quarterly average	Previous quarter
Manganese ore 44% cif	MB-MNO-0001	cif Tianjin	\$/dmtu (weekly)	5.50	5.35	+0.15	5.42	5.20	5.42	5.24
Manganese ore 37% cif	MB-MNO-0003	cif Tianjin	\$/dmtu (weekly)	4.74	4.59	+0.15	4.64	4.52	4.64	4.58
Manganese ore 37% fob	MB-MNO-0002	fob Port Elizabeth	\$/dmtu (weekly)	3.07	2.91	+0.16	2.97	2.89	2.97	2.97
Manganese ore 44% fot	MB-MNO-0005	fot Tianjin	yuan/dmtu (weekly)	44.6	41.4	+3.2	42.4	40.1	42.4	39.9
Manganese ore 37% fot	MB-MNO-0004	fot Tianjin	yuan/dmtu (weekly)	36.1	34.6	+1.5	35.1	34.3	35.1	34.0





Seaborne manganese ore markets hit six-month high

By Jon Stibbs, Siyi Liu - Monday 18 October

Seaborne low- and high-grade manganese ore markets hit half-year highs in the week to Friday October 18 due to strong sentiment stemming from good Chinese demand amid rising portside markets.

Low-grade achieves higher prices

South African producers offered semi-carbonate for November shipment at higher prices after the Golden Week holiday (October 1-7).

Fastmarkets' calculated the [manganese ore index, 37% Mn, cif Tianjin](#) at \$4.74 per dmtu on Friday, up by 15 cents per dmtu (3.3%) from \$4.59 per dmtu the previous week.

Strong restocking demand and easing electricity restrictions in the manganese alloy producing areas of Inner Mongolia and Guangxi supported demand.

"It will be interesting [to see] if this is merely restocking after the holiday or part of a larger trend due to increased consumption," a producer said.

Traders in China had improved buying appetite due to optimism about a [further price gain in the portside ore market](#).

"Current offers in the seaborne market came slightly higher than the port markets, but unlike previously in the markets where no positive signs existed, the renewed demand outlook could support the port markets, hence we are looking to build up stocks," a trader said.

Additionally, while several producers were active, some had cut back the volumes they had to offer to China, market participants said. This reduced availability of material and increased competition to secure material.

"The strength of demand was a surprise because I did not have enough

tonnage," a second producer said.

Strong demand for material from the rest of the world, such as India and Russia, also reduced the availability of material for Chinese consumers.

"Flows to the rest of the world, where we can get higher prices, started to increase when Chinese alloy production was cut back and they have continued," the first producer said. "Now we are seeing a normalization of alloy production and alloy producers [are] coming onto the market wanting to be covered, there is the possibility the market could get tight."

Alloy producers in China are highly profitable at current prices, so they can afford to absorb the cost of higher seaborne offer prices. Meanwhile, a few producers who used to procure from portside markets now prefer to buy material from the seaborne market to guarantee supply and prices in advance amid high manganese alloy prices, Fastmarkets understands.

"This is also an issue of affordability, smelters can undoubtedly afford to pay more for their ore," a third producer said. "With current alloy prices, smelters are hedging on seaborne material in case ore traders with material in ports won't sell because they don't want to make a loss."

Ore stocks remain high in China's ports, which could cushion the effects of lower-than-usual supply from South Africa.

Fastmarkets assessed [manganese ore inventories at the main Chinese ports of Tianjin and Qinzhou](#) at 5.68-5.74 million tonnes on Monday October 18, up by 0.53% from 5.64-5.72 million tonnes a week earlier.

Specifically, stocks at the Port of Tianjin totaled around 4.07-4.11 million tonnes in the week to October 18, of which around 67% was shipped from South Africa, according to data submitted by market participants.

"Increased prices may encourage producers to release more material in future," the second producer said. "But logistical restraints remain that make moving material by road expensive."

While the fob index also rose, the market remained relatively low by historical standards because producers have had to come to terms with soaring freight rates.

Fastmarkets assessed [manganese ore 37% Mn, fob Port Elizabeth](#) at \$3.07 per tonne on Friday, up by 16 cents per dmtu from \$2.91 per tonne the previous week and the first time the fob price has risen to above \$3.00 per dmtu since July 30, 2021.

High-grade market supported

Liquidity was light in the market for high-grade ore but sentiment was strengthened by the recent price rally in portside markets following the rise in the semi-carbonate market and in response to increasing demand for material.

Fastmarkets' index for [manganese ore, 44% Mn, cif Tianjin](#) was calculated at \$5.50 per dmtu on Friday, up by 15 cents per dmtu (2.8%) from \$5.35 per dmtu a week earlier.

Strong demand and limited availability prompted a rise in the high-grade manganese ore price at China's port market. Participants believed this could support buyers' appetite in accepting higher prices in the seaborne market, especially given the similar supply tightness.

"Availability is short - there is not much material around. The production of high carbon ferro-manganese is increasing around the world and this requires high-grade ore," a market participant said.



Steel

Charter Steel raises SBQ prices \$60/t

By Robert England - Monday 18 October

Charter Steel has increased base prices on all carbon and alloy special bar quality (SBQ) products by \$60 per ton (\$3 per hundredweight) in both coil and cut lengths, effective with shipments beginning Monday November 1.

The price increase does not apply to orders covered by any existing supply agreement and all surcharges will continue to be applied as appropriate, the company stated in a pricing letter to customers on Monday.

This follows price increases by other producers, beginning with Republic Steel on October 8 and followed by Steel Dynamics Inc on October 11, Gerdau on October 12, Nucor on October 13 and Alton Steel on October 18.

Fastmarkets' monthly assessment for steel bar cold-finished 1-inch round 1018 (carbon), fob mill US was at \$88.75 per cwt on October 15, down by 0.56% from \$89.25 per cwt on September 17 but up by 0.28% from \$88.50 per cwt on August 20.

Fastmarkets' monthly assessment for steel bar hot-rolled special bar quality 1-inch round 1000 series (carbon), fob mill US was at \$69.50 per cwt on October 15, up by 2.21% from \$68 per cwt the previous two months.

SDI reports net income of \$991 million in Q3

By Lisa Gordon - Monday 18 October

Steel Dynamics Inc (SDI) reported record sales and income for its third quarter on Monday October 18 and said it expects the strong industry rally to last well into 2022.

The Fort Wayne, Indiana-headquartered steelmaker reported net income of \$991 million for the third quarter, on \$5.1 billion in sales, compared with \$100.1 million in net income on \$2.3 billion in sales in the same period a year ago.

"Current market conditions are in place to support solid domestic steel demand for the fourth quarter and into 2022," chairman and chief executive officer Mark Millett said. "Order entry activity continues to be robust across our businesses. We continue to see strong steel demand coupled with moderating, but still historically low customer inventories throughout the supply chain. These dynamics support continued elevated steel selling values."

Steel demand from the automotive, construction and industrial end markets has been strong, and the energy sector is showing continued signs of recovery," he added.

SDI's greenfield flat-rolled mill in Sinton, Texas, remains under construction but is expected to be melting steel before the end of the year. The mill will produce an estimated 2 million-2.2 million tons in 2022

The company's earnings news release also revealed that some of the previously announced coating lines will be added to the Sinton campus.

Steel shipments for all of SDI's mills totaled 2.8 million tons during the quarter, 4.5% more than the 2.7 million tons shipped during the year-ago quarter. Average selling prices were \$1,550 per ton, up by 111.17% from \$734 per ton in the year-ago period.

Operating income for the steel fabricating segment swelled to \$89.4 million, more than double the \$39.3 million recorded in the year-ago quarter.

The metals recycling segment's operating income nearly tripled to \$46.9

million on 587.1 million in sales compared with \$15.7 million in operating income on 272.5 million in sales in the year-ago period.

The company also repurchased \$388 million in company stock during the three-month period. This represents 3% of its outstanding shares.

US hot-rolled index edges above \$96/cwt

By Mark Shenk - Monday 18 October

Hot-rolled coil prices in the United States have risen for the first time in nearly a week, with market sources indicating that they expect rising steel inventories to put downward pressure on prices in the coming weeks.

Fastmarkets' daily steel hot-rolled coil index, fob mill US was calculated at \$96.25 per hundredweight (\$1,925 per short ton) on Monday October 18, up by 0.82% from \$95.47 per cwt on October 15 but down by 0.60% from \$96.83 per cwt one week earlier. The index has slipped by 2.04% since reaching an all-time high of \$98.25 per cwt in September.

Fresh inputs were received across all three sub-indices in a range of \$93-100 per cwt, representing deals, mill offers and general indications of current spot market pricing. The high end of the range represents an offer reported by a distributor and the low end an assessment from a consumer.

Heard in the market

Rising steel inventories have reduced demand for spot HRC, sources said. Fear that hot-rolled coil will be unattainable sent prices soaring to record highs this past year, something that has dissipated with the rise in stockpiles, market sources said.

Distributors and consumers have been looking to increase their import intake because prices are currently around \$400 per ton less than offers from US mills.

Quote of the day

"I have seen through distributors pricing in the mid-\$90s [per cwt], which indicates to me mills are offering pricing somewhere in the \$93-94-per-[cwt] range," a consumer source said.

Nelson Steel raises SBQ prices by \$70/t

By Robert England - Monday 18 October

Nelson Steel Co has increased prices for special bar quality (SBQ) steel by \$70 per ton (\$3.50 per hundredweight), effective with new orders received on Monday October 18.

Orders confirmed before October 18 will not be affected by the price increase if shipped by October 31, the cold-finished carbon and alloy SBQ steel producer said in a letter to customers on Monday.

Republic Steel raised cold-finished SBQ prices on October 8, and Niagara La Salle followed suit on October 18.

Fastmarkets' monthly assessment for steel bar cold-finished 1-inch round 1018 (carbon), fob mill US was at \$88.75 per cwt on October 15, down by 0.56% from \$89.25 per cwt on September 17 but up by 0.28% from \$88.50 per cwt on August 20.

Fastmarkets' monthly assessment for steel bar hot-rolled special bar quality 1-inch round 1000 series (carbon), fob mill US was at \$69.50 on October 15, up by 2.21% from \$68 per cwt the previous two months.

Mexico's Ahmsa restarts hot-rolling mill after 2-week maintenance

By Felipe Peroni - Monday 18 October

Mexican steel producer Altos Hornos de México (Ahmsa) concluded a two-week maintenance at its hot-rolling mill, it said on Monday October 18.

The equipment went through a "full revamp and revision," which will secure its continuous operation, Ahmsa said.

During the stoppage, demand for hot-rolled coil was supplied with inventories built for this purpose, and now the company has accumulated inventories of slab that will be used to produce flat steel more intensively.

Ahmsa is a major steel producer and ferrous scrap consumer in Mexico's northeastern city of Monclova. It produces steel slab, plate, hot-rolled coil, cold-rolled coil and tinplate, along with heavy sections and beams, and has a crude steel capacity of 5.5 million tonnes per year.

Fastmarkets' weekly assessment of the [steel scrap No1 busheling, consumer buying price, delivered mill Monterrey](#), was 11,000 pesos (\$534) per tonne on October 12, stable from the previous week.

US rig count maintains upward momentum

By Mark Burgess - Monday 18 October

The number of drill rigs operating in the United States moved higher for the sixth consecutive week amid higher prices and rumors of possible oil and gas shortages in the coming months.

The total US rig count was at 543 during the week ended Friday October 15, up by 10 from the previous week, [according to data from Baker Hughes Inc.](#)

The number of US rigs in operation has increased by 46 over the course of the past six weeks, reaching its highest total since 602 the week of April 9 2020.

Oil accounted for 445 rigs, up by 12 from 433 the previous week. US gas rigs and miscellaneous rigs dropped by one each, with operating gas rigs landing at 98.

West Texas Intermediate crude oil prices increased to \$81.73 per barrel on Friday October 15, up from \$79.35 per barrel on October 8. The WTI index for November contract has surpassed \$80 per barrel for the first time since November 2014.

As of early Monday October 18, the WTI index had continued its climb to \$82.14 per barrel.

In Canada, 168 rigs were in operation this past week, up by one from 167 rigs the previous week. The number of oil rigs in operation totaled 98, up by three from 95 rigs the prior week. The gas rig count was estimated at 70, down two from last week's count of 72.

Prices for most line pipe and oil country tubular goods products [rose or were steady in early October](#) amid improving demand and increased substrate costs, sources said.

	Last week	Previous week	% change	Last year	% change
United States	543	533	▲ 1.88	282	▲ 92.55
Canada	168	167	▲ 0.60	80	▲ 110.00
Source: Baker Hughes Inc.					

EUROPE HRC: Trading slow; sentiment negative on poor automotive demand

By Maria Tanatar - Monday 18 October

Trading activity in the European hot-rolled coil market remained subdued on Monday October 18, with mills and buyers both holding back from trading, sources told Fastmarkets.

Sentiment remains gloomy due to the drop in demand from the automotive segment. Auto-industry output – and, consequently, steel demand – has fallen due to a shortage of semiconductors. Market sources reported that mills supplying the automotive sector have booked about 30% less steel than the market expected. This has led to the release of more flat steel volumes to the spot market.

In addition, distributors have sufficient stocks of flat steel products to last until the end of the year, so they can afford to hold back from new deals for a couple of weeks. They will, however, need to resume purchases in November to restock for the first quarter of 2022.

Producers in northern Europe have been refraining from announcing official offers. They do need to fulfill order books, however, and some northern European mills have December rolling material to offer, sources said.

In early September, mills had claimed that they were sold out through the start of the first quarter of next year. The additional volumes have likely appeared due to a lack of demand from the automotive industry, market participants said.

Fastmarkets calculated its [steel hot-rolled coil index, domestic, exw Northern Europe](#) at €1,005.00 (\$1,165.59) per tonne on Monday October 18, down by €2.50 per tonne from €1,007.50 per tonne on Friday October 15.

The index was down by €21.67 per tonne week on week and by €85.00 per tonne month on month.

Monday's index was based on achievable prices and bids reported at €1,000-1,040 per tonne ex-works.

Fastmarkets calculated its corresponding [steel hot-rolled coil index, domestic, exw Italy](#) at €905.00 per tonne on October 18, down by €1.67 per tonne from €906.67 per tonne on October 15.

The index was down by €35.13 per tonne week on week and by €95.00 per tonne month on month.

It was based on achievable prices reported at €900-920 per tonne ex-works.

EUROPE HRC WRAP: Domestic prices continue to slide; sentiment bearish

By Maria Tanatar - Monday 18 October

Domestic prices for hot-rolled coil declined in the European Union in the week to Friday October 15, reflecting bearish sentiment in the market and poor demand from the automotive segment.

Buyers and sellers have held back from making deals, with only limited volumes traded in Europe during the week.

Steel prices have been under downward pressure from weak automotive demand, high distributor stocks and substantial import volumes released after the start of the new safeguard period on October 1.

European steelmakers were looking for export opportunities in an attempt to



reduce domestic availability and keep domestic prices from falling too far, sources said.

Auto industry output in Europe - and consequently, demand for steel - has fallen due to the global shortage of semiconductors. Mills supplying the automotive sector have booked 20-30% less steel than was expected, sources said, which has led to increasing volumes of flat steel available on the spot market, supporting bearishness in the market.

EU car sales **dropped by 23.07% year on year** in September due to the continuing global semiconductor shortage, the European Automotive Manufacturers Association (ACEA) said.

Fastmarkets calculated its **steel hot-rolled coil index, domestic, exw Northern Europe** at €1,007.50 (\$1,168.49) per tonne on Friday October 15, down by €19.80 per tonne week on week and by €86.05 per tonne month on month.

The index was based on achievable prices, offers and bids reported at €1,000-1,050 per tonne ex-works.

Fastmarkets calculated its corresponding **steel hot-rolled coil index, domestic, exw Italy** at €906.67 per tonne on October 15, down by €33.46 per tonne week on week and by €95.83 per tonne month on month.

It was based on offers and achievable prices reported at €900-920 per tonne ex-works.

STEEL HOT-ROLLED COIL INDEX (domestic exw, €/tonne)				
Date of assessment	Northern Europe price	Day-on-day €/tonne change	Italy price	Day-on-day €/tonne change
Monday October 11	1,026.67	▼0.83	940.13	0
Tuesday October 12	1,023.33	▼3.34	928.33	▼11.80
Wednesday October 13	1,007	▼16.33	910	▼18.33
Thursday October 14	1,006.25	▼0.75	910	0
Friday October 15	1,007.50	▲1.25	906.67	▼3.33
Source: Fastmarkets				

CIS STEEL BILLET: Price jumps following sales to Turkey

By Julia Bolotova - Monday 18 October

The Commonwealth of Independent States' (CIS) billet export prices increased following a couple of Black Sea cargoes reportedly sold to Turkey, sources told Fastmarkets on Monday October 18.

A 10,000-tonne cargo from Russia was reportedly sold to Turkey at \$650 per tonne fob late last week, several sources told Fastmarkets.

Another billet cargo of around 20,000 tonnes was sold from Ukraine to Iskenderun, Turkey at \$720 per tonne cfr, which would net at about \$665-670 per tonne fob.

But the billet cargo was for wire rod production, sources said. Excluding the extra payment of about \$15 per tonne for wire-rod-grade material, the price for basic-grade billet would be around \$650-655 per tonne fob.

Offers from Ukrainian and Russian suppliers were heard at \$650-670 per tonne fob, sources said.

One Ukrainian producer, however, was said to be out of the market and reconsidering prices, several sources told Fastmarkets.

"Metinvest is not offering at the moment. They are cutting their output due to high electricity and gas prices, and reconsidering [steel] prices," a trading source said.

Fastmarkets' calculation of its daily **steel billet index export, fob Black Sea, CIS** was \$649 per tonne on October 18, up by \$29 per tonne from \$620 per tonne on Friday October 15.

The recent spikes in CIS billet offer prices were mostly related to an **uptrend in the Turkish long-steel market** as well as a **rise in scrap prices**, sources said

On Monday, domestic billet offers in Turkey increased to \$710-720 per tonne ex-works, up from \$690-700 per tonne ex-works **late last week**, several sources told Fastmarkets.

Last week, a 25,000-tonne billet cargo from Russia's Far East was sold to the Philippines at \$720 per tonne cfr, which is about \$690 per tonne fob Far Eastern ports.

During the course of the week, however, bids from Asian buyers for CIS billet dropped to about \$700-710 per tonne cfr amid the decline in Chinese prices and increased availability of semi-finished products, sources said.

Turkish steel output expected to exceed 40mln tonnes in 2021; targets zero carbon emissions

By Serife Durmus - Monday 18 October

Turkey's crude steel output is expected to exceed 40 million tonnes in 2021, according to Mustafa Varank, minister of industry and technology in Turkey.

Turkey produced **35.76 million tonnes of crude steel** in 2020, a 5.99% year-on-year increase from 35.74 million tonnes in 2019, according to the World Steel Association.

In the year to August, Turkish crude steel output had reached 26.57 million tonnes, a 16.75% increase from 22.75 million tonnes in the first eight months of 2020, the Turkish Steel Producers' Association said on Monday October 18.

Turkey recently introduced a medium-term action plan, in accordance with the European Union's Green Deal, which will target net zero carbon for industries including steel, Varank said.

The country will move closer to that target by 2030, he added.

In July 2021, the European Commission (EC) **proposed a revision** to the EU's emissions trading system (ETS) that would substantially reduce the overall cap on carbon dioxide emissions and increase the annual rate of reduction as part of the EU Green Deal.

In September, German steelmaker **Thyssenkrupp introduced carbon surcharges** for steel products, while other producers in Europe, including **ArcelorMittal** and Salzgitter, also plan to introduce similar surcharges to reflect rising emissions costs.

Turkey ratified the Paris Climate Agreement on October 7 this year.

Niagara LaSalle raises SBQ prices by \$70/t

By Robert England - Monday 18 October

Niagara LaSalle Steel has increased prices for all products by \$70 per ton, effective with all new orders received on Monday October 18.

All confirmed orders on the books will be price protected if shipped by October 31, the cold-finished carbon and alloy special bar quality (SBQ) steel producer told customers in a pricing notice Monday.

The price increase covers all grades, all shapes and all sizes, the company said.

Fastmarkets' monthly assessment for [steel bar cold-finished 1-inch round 1018 \(carbon\)](#), [fob mill US](#) was at \$88.75 per cwt on October 15, down by 0.56% from \$89.25 per cwt on September 17 but up by 0.28% from \$88.50 per cwt on August 20.

Fastmarkets' monthly assessment for [steel bar hot-rolled special bar quality 1-inch round 1000 series \(carbon\)](#), [fob mill US](#) was at \$69.50 (\$1,390 per short ton) on October 15, up by 2.21% from \$68 per cwt in the previous two months.

CIS LONG STEEL EXPORTS: Prices move up on high costs

By Julia Bolotova - Monday 18 October

Export prices for rebar and wire rod originating from the Commonwealth of Independent States increased during the week to Monday October 18 on bullish offers from mills amid increased rolling costs, Fastmarkets heard.

A steady uptrend in the international scrap market since last week, as well as increasing costs of production due to surging electricity and gas prices, pushed offers for CIS-origin long steel higher.

Notably, a Russian supplier was heard targeting \$790-800 per tonne fob for rebar on Monday, sharply up from a previous offer of \$720-725 per tonne fob in early October.

But sources considered that price to be unworkable, especially given the lower offers available from [Turkish](#) and Ukrainian competitors.

Producers from Russia, however, were not actively pursuing export sales due to enjoying "very good" domestic demand, sources said.

"Russian mills are selling [well] at quite high prices domestically, so they are not chasing for export sales for now," one trader said.

Rebar offers from Ukraine's main long steel producer, ArcelorMittal Kryvyi Rih (AMKR), were reported at \$700-730 per tonne fob during the week, up from a previous offer of \$680-710 per tonne fob.

The mill reportedly secured sales at these levels to the Middle East and West Africa over the past week. The details were unknown however.

On Monday, the producer lifted its rebar price once again to \$770 per tonne fob, Fastmarkets learnt.

Buyers' estimations of a workable price level for CIS-origin rebar ranged between \$700 and \$720 per tonne fob, sources said.

Fastmarkets' assessment of [steel reinforcing bar \(rebar\)](#), [export, fob Black](#)

[Sea, CIS](#) was \$700-720 per tonne on Monday, up by \$20-30 from \$680-690 per tonne last week.

Meanwhile, wire rod offers from an electric-arc furnace-based Russian supplier were heard at \$815-820 per tonne fob on Monday, up from \$760-765 per tonne in early October. Sources said the mill might lift the price again this week.

Wire rod offer from Ukraine's AMKR were reported at \$810-830 per tonne fob during the assessment week, up from \$790-810 per tonne fob previously. But on Monday, Fastmarkets heard the producer had lifted the wire rod price again to \$860-890 per tonne fob.

Tula Steel, another Russian producer, said that considering the export duty, a workable wire rod price would be "no lower than \$1,000 per tonne fob." That level was considered too high by buyers, sources said.

As a result, Fastmarkets' assessment of [steel wire rod \(mesh quality\)](#), [export, fob Black Sea, CIS](#) was \$810-820 per tonne on Monday, up by \$30-50 per tonne from \$760-790 per tonne last week.

DAILY STEEL SCRAP: Turkish steelmakers continue their December bookings

By Cem Turken - Monday 18 October

Turkish steelmakers continued to book deep-sea scrap cargoes for December shipment at the start of the week, market participants told Fastmarkets on Monday October 18.

A steel mill in the Iskenderun region booked a Baltic Sea cargo, consist of 6,500 tonnes HMS 1&2 (95:5) at \$512 per tonne cfr. Market participants were unsure of the premium for this transaction over HMS 1&2 (80:20), however.

A Turkish mill source believed that the equivalent premium for HMS 1&2 (80:20) was \$507 per tonne while another pegged it at somewhere between \$499 and \$504 per tonne and a trading source said it was around \$509 per tonne. The transaction was therefore not taken into Fastmarkets' index calculation on Monday October 18.

Previous deep-sea transactions had been done at \$486-489.50 per tonne cfr on HMS 1&2 (80:20) basis at the end of the last week.

Fastmarkets' [daily index for steel scrap HMS 1&2 \(80:20 mix\) North Europe origin, cfr Turkey](#) was \$483.31 per tonne on Monday October 18, unchanged from Friday.

And Fastmarkets' [daily index for steel scrap HMS 1&2 \(80:20 mix\) United States origin, cfr Turkey](#) was \$489.99 per tonne, also static day on day, leaving the premium for US-origin material over European scrap at \$6.68 per tonne on October 18.

TURKEY DOMESTIC STEEL SCRAP: Rising import costs drag up domestic prices

By Cem Turken - Monday 18 October

Turkish domestic scrap prices have increased during the week to Monday October 18 in line with rising imported scrap values, market participants said.

Turkish steelmakers have been paying higher prices for deep-sea scrap in recent weeks due to limited supply and firm demand.

Fastmarkets' [daily index for steel scrap HMS 1&2 \(80:20 mix\) United States origin, cfr Turkey](#) was \$489.99 per tonne on Monday October 18, up from



\$458.57 on October 11.

In response to the upturn in import costs, Turkish steel mills raised their buy prices for domestic auto bundle scrap by 300-550 lira (\$32-59) per tonne over the week.

Long and flat steelmaker Çolakoglu increased its buy prices for auto bundle scrap to 4,630 lira per tonne, and alloy long steel mill Asil Çelik raised its buy price to 4,655 lira per tonne delivered.

Long steel mills IDÇ and Habas raised their buy prices to 4,070 lira per tonne, and fellow long steel mill Özkan increased its price to 4,180 lira per tonne delivered.

Another long steel mill, Ege Çelik, and scrap yard Kiliçlar Hurda raised their buy prices to 4,550 lira and 4,500 lira per tonne respectively.

Therefore, Fastmarkets' weekly price assessment for steel scrap auto bundle scrap domestic delivered Turkey was 4,070-4,655 lira per tonne on Monday October 18, up from 3,645-4,355 lira per tonne a week earlier.

Domestic ship scrap prices also followed a similar trend during the week.

Fastmarkets' weekly price assessment for steel scrap melting scrap from shipbreaking, domestic, delivered Turkey was \$452-460 per tonne on Monday October 18, up from \$440-445 per tonne the previous week.

Vale, Jiangsu Shagang sign low-carbon steel MoU

By Renato Rostás - Monday 18 October

Brazilian iron ore producer Vale has signed a memorandum of understanding with Chinese steel group Jiangsu Shagang to explore low-carbon steelmaking solutions, the former said on Monday October 18.

The companies intend to develop feasibility studies on using products such as higher-purity iron ore, which has a lower carbon footprint, in the iron-making process, and cooperation on Tecnored facilities.

Tecnored is a wholly-owned Vale subsidiary that is developing a low-carbon pig iron production process that uses biomass as energy, for example. It is one of the company's initiatives to reduce carbon dioxide emissions.

Vale's deal with Jiangsu Shagang is a step towards its goal of cutting its scope 3 emissions from customers and suppliers by 15% by 2035, it said. The company also expects to reduce scope 1-2 emissions by 33% by 2030, and reach carbon neutrality on those scopes by 2050.

The Brazilian miner has also entered into agreements with other steel companies, including [Ternium](#) in August this year, and [Kobe and Mitsui](#) in July 2020.

In September, it also launched a new [green briquette product](#) that is expected to slash steelmaking greenhouse gas emissions by 10%.

Lower demand for iron ore in China, amid energy and steel production restrictions, has sent seaborne prices of the commodity plummeting in recent months.

Fastmarkets' index for [iron ore 62% Fe fines, cfr Qingdao](#) was calculated at \$124.32 per tonne on Monday, down 0.72% from \$125.22 per tonne on October 15, and down 7.93% from \$135.03 per tonne on October 11.

The index reached an all-time high of \$237.57 per tonne on May 12, and has fallen 47.67% since then.

Alton Steel raises SBQ, MBQ prices

By Robert England - Monday 18 October

Alton Steel is increasing base prices on carbon and alloy special bar quality (SBQ) products by \$60 per ton (\$3 per hundredweight) and for merchant bar quality (MBQ) steel by \$100 per ton.

For both the SBQ and MBQ product categories, the price increases are effective with shipments beginning Monday November 15, the company said in separate pricing letters sent to customers Friday.

The price increase for each of the product groups is for orders not already covered by pricing agreements.

All surcharge mechanisms on SBQ and MBQ remain in effect.

Alton Steel's SBQ announcement follows price increases by other producers of the product, beginning with [Republic Steel on October 8](#). This was followed by [Steel Dynamics Inc on October 11](#), [Gerdau on October 12](#) and [Nucor Corp on October 13](#).

Fastmarkets' monthly assessment for [steel bar hot-rolled special bar quality 1-inch round 1000 series \(carbon\)](#), [fob mill US](#) was at \$69.50 (\$1,390 per short ton) on October 15, up by 2.21% from \$68 per cwt in the previous two months.

Fastmarkets' monthly assessment for [steel bar cold-finished 1-inch round 1018 \(carbon\)](#), [fob mill US](#) was at \$88.75 per cwt on October 15, down by 0.56% from \$89.25 per cwt on September 17 but up by 0.28% from \$88.50 per cwt on August 20.

Fastmarkets' latest monthly assessment for [steel bar 2 x 2 x ¼-inch angle merchant products](#), [fob mill US](#) was at \$58.30 per cwt on September 24, unchanged from August 27 but up by 4.48% from \$55.80 per cwt on July 30.

Brazil's steel consumption up 8.5% in September

By Renato Rostás - Monday 18 October

Brazilian apparent steel consumption rose by 8.52% year on year in September amid a surge in imports and an increase in long steel demand, national steelmaker association Instituto Aço Brasil said.

Consumption totaled 2.20 million tonnes in September, up from 2.03 million tonnes in the corresponding month last year, the association said on Friday October 15.

Growth was more pronounced for long steel and for overall imports during that period.

Demand for flat-rolled steel was 1.29 million tonnes, a 6.77% year-on-year increase from 1.21 million tonnes, while long steel consumption reached 909,000 tonnes, 10.99% higher than 819,000 tonnes in the same comparison, the association said.

Domestic steel sales volumes hit 1.91 million tonnes in September, growing by 1.17% from 1.89 million tonnes in the corresponding period of 2020. Flat steel sales were stable at 1.10 million tonnes, while long steel sales rose by 1.95% to 783,000 tonnes, from 768,000 tonnes a year before.

Meanwhile, steel imports into the country totaled 357,854 tonnes during September, 151% higher year on year from 142,523 tonnes. Imports of flat steel were 189,092 tonnes, a 99.26% increase from 94,898 tonnes a year prior, and long steel imports reached 84,956 tonnes, up by 364% from 18,324 tonnes.



In the first nine months of the year, import penetration was 14.4%, compared with 9.4% in the corresponding period of 2020, Aço Brasil said.

High inventories at Brazilian ports have been threatening ship unloading, causing vessel queues at the country's main steel hub, the São Francisco do Sul port. The surge in steel imports, combined with a low withdrawal rate from warehouses, has made some resort to nearby ports, like Itajaí.

"This is most definitely a sign of the market cooling down," one trader source said.

According to data from Aço Brasil, the country is importing mostly coated products. In September alone, coated steel accounted for 108,673 tonnes of total steel imports, rising by 77.23% from 61,318 tonnes a year before.

Fastmarkets' assessment for steel hot-dipped galvanized coil import, cfr main ports South America was \$1,185-1,260 per tonne on Friday, down by \$5-35 from \$1,220-1,255 per tonne a week prior, with Brazilian clients getting offers closer to the top end of the range.

Fastmarkets assessed steel hot-dipped galvanized coil domestic, monthly, exw Brazil at 9,560-10,190 Reais (\$1,750-1,866) per tonne on October 8, stable since June 11, when it increased from 8,695-8,860 Reais per tonne.

Steel exports reached 948,982 tonnes in September, a 26.63% year-on-year jump from 749,411 tonnes, Aço Brasil also said on Friday.

And crude steel output was 3.05 million tonnes, rising by 15.35% from 2.65 million tonnes a year before, while rolling production totaled 2.14 million tonnes, up by 8.47% from 1.97 million tonnes in the same comparison.

Brazil also produced 695,066 tonnes of semi-finished steel in September, 52.34% more than 456,267 tonnes in September 2020. Slab production amounted to 636,620 tonnes, a 54.34% year-on-year increase from 412,477 tonnes.

Fastmarkets' assessment of steel slab export, fob main port Brazil was \$740-760 per tonne on Friday, down by \$20 from \$760-780 per tonne a week before and \$120-130 lower than \$870-880 per tonne a month prior, amid a downswing seen in other markets and sliding seaborne iron ore prices.

Plate prices steady; mart expects further hikes

By Dom Yanchunas - Monday 18 October

Carbon steel plate prices in the United States held steady - at record highs - while market participants debated whether the next round of price increases will be smaller than previous monthly hikes seen throughout 2021.

Fastmarkets' weekly price assessment for steel cut-to-length plate carbon grade, fob mill US was unchanged at \$89 per hundredweight (\$1,780 per short ton) on Friday October 15. The price has more than tripled over the past 52 weeks.

Inputs were collected in a range of \$86.25-92.00 per cwt, with the low end representing Nucor's most recently published minimum ex-works price and the high end a deal reported by a distributor involving a midwestern mill.

Market participants said end-user demand is slowing and the disappointment over the lack of a large US federal infrastructure bill since 2017 has intensified. At the same time, domestic production of plate is set at a rate that maximizes profit margin at the mill level and is not as customer-focused as it traditionally has been.

"Overall, the market slowed, but plate [on the mill floor] is non-existent," an East Coast distributor said.

Like clockwork, plate price hikes have been announced monthly all year and generally have totaled at least \$80 per ton (\$4 per cwt) each time.

But a closely watched corresponding flat-steel item has taken a dip in October. Fastmarkets' daily steel hot-rolled coil index, fob mill US on October 15 fell below \$96 per cwt for the first time since August. It was calculated at \$95.47 per cwt, declining by 2.89% since September 27, when it matched its record high of \$98.25 per cwt.

Some sources said a mill hike is still expected at the plate mills for the next production cycle, but it could be as little as half the previous monthly increases. Plate producers want their cut-to-length price to return to its traditional premium over HRC, according to market participants. At Friday's prices, plate had narrowed its gap to \$6.47 per cwt below HRC.

"November's increase is absorbed and we are thinking \$40-50 [per ton] for December," a midwestern service center source said.

The same distributor said demand for plate is "OK... How quick and far HRC drops will determine other commodities."

Algoma merger near; shareholders OK deal

By Lisa Gordon - Monday 18 October

The merger of Algoma Steel Group Inc and a private equity firm is expected to close during the week of Monday October 18 now that it has been approved by stakeholders.

Shareholders of Legato Merger Corp voted overwhelmingly in favor of the merger on Thursday October 14, according to a Legato news release.

The deal, which was announced in May, ushers in a new era for the Canadian steelmaker. Algoma, based in Sault Ste Marie, Ontario, will convert to electric-arc furnace (EAF) steel production from blast furnace steelmaking.

According to an investor presentation, \$500 million will be used to fund the EAF, with the capital investment to be completed in 2024.

Once the deal closes, common shares of Algoma will trade on the Nasdaq exchange and the Toronto Stock Exchange under the symbol ASTL.

Algoma, which has annual capacity of 2.8 million tons per year, produces flat products including hot-rolled coil, cold-rolled coil and plate.

AT A GLANCE: Severstal's sales increase despite Russian export duty and softer domestic demand

By Ross Yeo - Monday 18 October

A summary of the operational results for Russian steelmaker Severstal for the third quarter (July-September) of 2021

In brief

- Steel sales were up by 1% quarter on quarter to 2.69 million tonnes due to strong sales of pig iron and slabs.
- Sales of hot-rolled steel and plate increased by 1% quarter on quarter to 1.12 million tonnes.
- The total share of export sales volume, including sales of pig iron, increased by 6 percentage points quarter on quarter to 51% due to a softening of domestic demand in Russia.
- Revenue increased by 9% quarter on quarter to \$3,206 million; this growth was driven primarily by export demand, including a fourfold quarterly increase in revenue from North America and a twofold quarterly increase from the Middle East.
- This increase in export-sales revenue came despite the introduction, from August 1, of [temporary export duties on steel and ferrous products](#).

Third quarter results

Revenue:

\$3,206 million, up by 9% quarter on quarter and 65% year on year.

Earnings before interest, taxes, depreciation and amortization (EBITDA):

\$1,723 million, up by 5% quarter on quarter and 165% year on year.

Hot metal production:

2,728,000 tonnes, up by 4% quarter on quarter and 12% year on year.

Crude steel production:

2,878,000 tonnes, up by 4% quarter on quarter and 1% year on year.

Total steel product sales:

2,694,000 tonnes, up by 1% quarter on quarter and down by 1% year on year.

Iron ore product sales:

1,092,000 tonnes, up by 17% quarter on quarter and 24% year on year.

Key quote

"In Q3 2021, we saw the first signs of a normalization in the steel market. Iron ore prices fell by almost \$100 per tonne from all-time maximums due to a decrease in Chinese demand, as China limits steel output. In line with our expectations, spot steel prices also declined from the record level of Q2. The semi-conductor shortage pushed automotive output down in Europe, which led to lower steel demand and declining lead times from steel mills, resulting in supply and demand being in balance. The introduction of export duties in Russia caused domestic HRC [hot-rolled coil] prices to fall to a level below export parity, net of duty."

- Alexander Shevelev, chief executive officer, AO Severstal Management

COKING COAL DAILY: Prices slightly up; Mongolian coal truck numbers to increase

By Min Li - Monday 18 October

Seaborne coking coal prices increased slightly on Monday October 18. And the number of trucks for transporting Mongolian coal is expected to increase, sources said.

Fastmarkets indices

Premium hard coking coal, cfr Jingtang: \$612.56 per tonne, up by \$1.46 per tonne

Hard coking coal, cfr Jingtang: \$565.06 per tonne, up by \$3.39 per tonne

Premium hard coking coal, fob DBCT: \$400.30 per tonne, up by \$0.69 per tonne

Hard coking coal, fob DBCT: \$340.84 per tonne, up by \$1 per tonne

In the cfr market, no trades were reported on Monday.

"Seaborne prices are at a high level, and we haven't procured seaborne materials recently," a steel mill source in Hebei province said.

"Seaborne prices get supported once there is a new trade, but only several major mills can afford [seaborne materials]," a trading source in Shandong province said on Monday.

The major Mongolia-China coking coal port of Ganqimaodu plans to increase the number of trucks for transporting Mongolian coal to 400-500 trucks per day, sources told Fastmarkets. Since the start of October, the number has averaged at around 300 trucks per day, sources said.

"There is uncertainty due to the Covid-19 cases in Mongolia as well as the lack of drivers," a trading source in North China said.

In the fob market, coking coal prices were stable.

"It has been very quiet today. I haven't heard any trades, and [there has been] nothing on the Globalcoal platform," a trading source in Singapore said on Monday.

"[The market is] quiet and sideways. No one is making a move to buy [seaborne coking coal, which] means there is no strong demand for now," a steel mill source based in Singapore said.

Dalian Commodity Exchange

The most-traded January coking coal futures contract closed at 3,847 yuan (\$597.65) per tonne on Monday, up by 233 yuan per tonne.

The most-traded January coke contract closed at 4,343.50 yuan per tonne, up by 238 yuan per tonne.



IRON ORE DAILY: Prices down slightly amid weak steel demand

By Zihao Yu - Monday 18 October

Iron ore prices were mostly down a bit on Monday October 18 with limited liquidity amid weak steel demand, sources said.

Fastmarkets iron ore indices

62% Fe fines, cfr Qingdao: \$124.32 per tonne, down \$0.90 per tonne

62% Fe low-alumina fines, cfr Qingdao: \$125.97 per tonne, down \$0.53 per tonne

58% Fe fines high-grade premium, cfr Qingdao: \$94.47 per tonne, up \$0.18 per tonne

65% Fe Brazil-origin fines, cfr Qingdao: \$148.10 per tonne, up \$0.10 per tonne

63% Fe Australia-origin lump ore premium, cfr Qingdao: \$0.2100 per dry metric tonne unit (dmtu), down \$0.0100 per dmtu

62% Fe fines, fot Qingdao: 886 yuan per wet metric tonne (implied **62% Fe China Port Price:** \$127.46 per dry tonne), down by 17 yuan per wmt

Key drivers

The most-traded January iron ore futures contract on the Dalian Commodity Exchange (DCE) fluctuated around the closing price after opening, ending down by 1.7% from last Friday's close of 723.50 yuan (\$112) per tonne.

The most-traded November iron ore forward-month swap contract on the Singapore Exchange (SGX) gained in the morning but fell in the afternoon. By 6:16pm Singapore time, it had registered a decrease of \$0.11 per tonne compared with last Friday's settlement price of \$122.11 per tonne.

A trading source in Shanghai said the physical trading in steel was inactive, which implied relatively slow demand. Iron ore demand weakened as a result.

Port trading of iron ore in China was depressed by the low liquidity of steel trading and steel mills were cautious in replenishing iron ore, a buyer source in northern China said.

Buying interest in iron ore further declined after the sharp decrease in the futures market on Monday. Most buyers had finished re-stoking activities last week, so market participants adopted a wait-and-see attitude, a second trading source in Shanghai said.

Rio Tinto lowered its full-year 2021 guidance of Pilbara iron ore shipments to 320-325 million tonnes from 325-340 million tonnes, according to the miner's [quarterly production report](#) released on Friday October 15.

Quote of the day

"Some traders believe Chinese mills might be able to increase their steel production because there is still around 250 million tonnes of steel production remaining before the annual steel production figure matches last year's 1.05 billion tonnes," a trading source in Singapore said.

Trades/offers/bids heard in the market

Rio Tinto, Globalore, 70,000 tonnes of 62.5% Fe Pilbara Blend lump, traded at the November average of a 62% Fe index plus a lump premium of \$0.2100 per dry metric tonne unit, laycan November 5-14.

Vale, Globalore, 170,000 tonnes of 65% Fe Iron Ore Carajas fines, offered at \$148.70 per tonne cfr China or at the November average of Fastmarkets' index for iron ore 65% Fe Brazil-origin fines, cfr Qingdao plus a premium of \$2.50 per tonne, bill of lading dated October 14.

Beijing Iron Ore Trading Center, 80,000 tonnes of 60.8% Fe Mining Area C fines, offered at \$112.55 per tonne cfr China, laycan November 11-20.

Spot market, 170,000 tonnes of 62% Fe Pilbara Blended fines, offered at the

November average of 62% Fe index plus a premium of \$1 per tonne, laycan November 10-20.

Market participant indications

Fastmarkets index for iron ore 62% Fe fines

Pilbara Blend fines: \$120.95-126.25 per tonne cfr China

Brazilian Blend fines: \$122-128.50 per tonne cfr China

Newman fines: \$121.91-124.20 per tonne cfr China

Mining Area C fines: \$114-115.57 per tonne cfr China

Jimblebar fines: \$101.45-105.29 per tonne cfr China

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

Iron Ore Carajas fines: \$144-150.70 per tonne cfr China

Port prices

Pilbara Blend fines were traded at 855-887 yuan per wmt in Shandong province and Tangshan city on Monday, compared with 870-880 yuan per wmt last Friday.

The latest range is equivalent to about \$123-128 per tonne in the seaborne market.

Dalian Commodity Exchange

The most-traded January iron ore futures contract closed at 711 yuan (\$110) per tonne on Monday, down by 12.50 yuan per tonne from last Friday's closing price.

Alex Theo in Singapore and Alice Li in Shanghai contributed to this article.

CHINA HRC: Demand concerns weigh on prices

By Zihuan Pan - Monday 18 October

Spot prices for hot-rolled coil (HRC) in China retreated on Monday October 18 with the latest economic data sparking concerns over demand.

Domestic

Eastern China (Shanghai) was 5,700-5,800 yuan (\$886-901) per tonne, down by 30-60 yuan per tonne.

Offers for spot HRC in Shanghai slipped to lows of 5,700-5,720 yuan per tonne on Monday morning, with the most-traded HRC contract on the Shanghai Futures Exchange for January delivery falling to an intraday low of 5,580 yuan per tonne.

The drop was due to emerging demand concerns ahead of the release of a raft of key Chinese economic data.

Data from China's National Bureau of Statistics showed that industrial output and investment in fixed assets and property development grew more slowly in September, despite a slight acceleration in retail sales growth.

The SHFE 2201 HRC contract later clawed back earlier losses, reaching an intraday high of 5,760 yuan per tonne, and pushing traded prices for spot cargoes in Shanghai to 5,780-5,800 yuan per tonne.

NBS data also showed that China's crude steel output dropped 21.2% year on year to 73.75 million tonnes in September, which resulted in a mere 2% increase in output during the first nine months of 2021.

The supply decline limited the downside in steel prices, but weaker-than-expected demand exerted downward pressure, a Shanghai-based industry analyst said.

**Export**

Fastmarkets' [steel hot-rolled coil index export, fob main port China](#) was \$915.92 per tonne, down by \$10 per tonne.

Steel mills and trading houses slashed their offers for SS400 HRC by \$15-20 per tonne to \$910-950 per tonne fob China on Monday in the wake of domestic price losses.

Trading liquidity for exports of Chinese HRC, however, remained muted; prices were still uncompetitive compared to offers for cargoes originating from [Russia, India and other regions](#).

Market chatter

"Steel prices are expected to continue fluctuating to seek a direction in the near term, given the back and forth in production curbs," a Shanghai-based trader said. "I have seen an improvement in demand, but downstream users remained cautious about making procurements."

Shanghai Futures Exchange

The most-traded January HRC contract ended at 5,678 yuan per tonne on Monday, down by 62 yuan from its close on [Friday October 15](#).

IN FIGURES: Chinese crude steel output drops 21% y-o-y in Sep

By Tianran Zhao - Monday 18 October

China's production of crude steel, hot metal and finished steel all fell by more than 10% in September from a year earlier, according to data released by the country's National Bureau of Statistics (NBS) on Monday October 18.

September output

- Crude steel: 73.75 million tonnes, down by 21.2% from [September 2020](#) and down by 11.4% from [August 2021](#)
- Hot metal: 65.19 million tonnes, down by 16.1% year on year and down by 8.9% month on month
- Finished steel: 101.95 million tonnes, down by 14.8% year on year and down by 6.3% month on month

January-September output

- Crude steel: 805.89 million tonnes, up by 2% year on year
- Hot metal: 671.07 million tonnes, down by 1.3% year on year
- Finished steel: 1.02 billion tonnes, up by 4.6% year on year

The NBS also released January-September data for major downstream steel industries on Monday.

- New construction starts by floor area: 1.53 billion square meters, down by 4.5% year on year
- Infrastructure investment: up by 1.5% year on year

On October 12, the China Association of Automobile Manufacturers released [production and sales figures for the first nine months of 2021](#).

- September output: 2.08 million units, down by 17.9% year on year and up 20.4% month on month
- September sales: 2.07 million units, down by 19.6% year on year and up 14.9% month on month
- January-September output: 18.24 million units, up by 7.5% year on year
- January-September sales: 18.62 million units, up by 8.7% year on year

Singapore rebar import prices up after Turkey raises offers

By Paul Lim - Monday 18 October

Import prices for rebar into Singapore have increased following surges in offers by Turkish steel mills.

Turkish steelmakers have increased offers to \$770-780 per tonne cfr Singapore on a theoretical weight basis, following the rapid ascent of imported ferrous scrap prices.

Middle Eastern producers in the Emirates and Qatar have also offered cargoes to Singapore at \$745 per tonne cfr Singapore on a theoretical weight basis in the past week, mirroring offers to Hong Kong at \$740 per tonne cfr Singapore on an actual weight basis.

Turkish steel mills have [booked 10 deep-sea cargoes in the past week](#) at increasing prices, with the highest recorded at \$510 per tonne cfr.

"There's no way anyone can purchase cargoes now at \$720-725 per tonne cfr Singapore anymore. The best option now would be Middle Eastern rebar," a buyer source at a Singaporean steel fabricator told Fastmarkets on Friday October 15.

There could also be a chance that a 15,000-tonne rebar cargo sitting at a major Singaporean port could be bought now, although that would depend on whether buyers were interested to purchase a rusted cargo with specifications which may not match their needs.

"The trader holding on to that cargo may not sell it off easily too if prices are going up now," a second buyer source at another Singaporean steel fabricator told Fastmarkets on October 15.

Fastmarkets' assessment for [steel reinforcing bar \(rebar\), import, cfr Singapore](#), which mainly looks at cargoes sold into Singapore on a theoretical-weight basis, was at \$740-745 per tonne on Monday October 18, increasing by \$20 per tonne from [\\$720-725 per tonne a week earlier](#).

Wire rod

Regional steel mills have offered cargoes at \$775-790 per tonne cfr Philippines.

While there have not been any active negotiations since the last transactions of \$765 per tonne cfr Philippines in the week before last, prices were on an uptrend and sellers will not sell anything below \$770 per tonne cfr Philippines, a Filipino trader told Fastmarkets on Monday.

A major Malaysian blast furnace-based steel mill was offering wire rod at \$760 per tonne fob. It was also heard offering at \$740 per tonne fob, but this could not be confirmed directly with the steelmaker.

A major Vietnamese blast furnace-based steel mill was also offering wire rod at \$760 per tonne fob.

A major blast furnace-based steelmaker in India is scheduled to have an 8,000-tonne wire rod tender this week for late-November shipment 5.5-12mm SAE1008 to SAE1018 wire rod on an fob Gangavaram basis.

An induction furnace-based steelmaker in India had ceased offering wire rod due to the price uptrend, while Vietnamese steelmakers were offering wire rod at \$785 per tonne cfr Taiwan.

Fastmarkets' price assessment for [steel wire rod \(low carbon\), import, cfr Southeast Asia](#), which mainly focuses on low-carbon mesh-quality material sold to the Philippines, was \$770 per tonne on Monday, increasing by \$10 per tonne from \$760 per tonne a week earlier.

CHINA REBAR: Prices down following unfavorable housing market data

By Jessica Zong - Monday 18 October

China's domestic rebar prices dropped on Monday October 18 following the release of data by National Bureau of Statistics (NBS) showing a decrease in new housing starts.

Domestic

Eastern China (Shanghai): 5,730-5,770 yuan (\$890-896) per tonne, down by 30-40 yuan per tonne

The construction area of newly started houses came to 1.53 billion square meters in the first three quarters of 2021, down by 4.5% from a year earlier, according to NBS.

The data has led to a bearish outlook for the housing market in the fourth quarter, so both rebar futures and spot prices have decreased, an industry analyst said.

Rebar buyers have reduced their procurement rates to wait for lower prices, a trader in Shanghai said.

Market chatter

"Some trading houses postponed picking up rebar from mills to keep low inventories. The low stock in the spot market is good for supporting prices, but some mills have required those traders to take delivery or they will charge the storage cost. Rebar prices will be under pressure," a second trader in Shanghai said.

Billet

As of 3pm in Shanghai, billet was being traded at 5,200 yuan per tonne including value-added tax in Tangshan, down by 50 yuan per tonne from last Friday.

Shanghai Futures Exchange

The most-traded January rebar futures contract closed at 5,422 yuan per tonne on Monday, down by 93 yuan per tonne from Friday October 15.

AT A GLANCE: Rio Tinto posts 4% fall in Q3 Pilbara iron ore output, shipments up 2%

By Zihao Yu - Monday 18 October

A summary of Rio Tinto's third-quarter production and shipment results, released by the company on Friday October 15.

In brief

- Pilbara iron ore production (100% basis) in the third quarter of 2021 was 4% lower year on year due to heritage management, brownfield mine replacement tie-ins and project completion delays.
- Iron ore shipments from Pilbara increased by 2% year on year in the third quarter despite product feed constraints.
- Shipments in the fourth quarter were expected to include an increased volume of SP10 products and higher China portside inventories.
- Pellet and concentrate production at the Iron Ore Company of Canada (IOC) was 8% lower year on year in the third quarter due to labor and equipment availability issues impacting product feed, and IOC's annual planned concentrator shutdown was completed in September.
- Port sales in China reached 3.6 million tonnes in the third quarter. About 86% of products sold were either blended or screened at Chinese ports in the third quarter of 2021.
- The first sale from the bonded warehouse in China to a steel mill in South Korea was completed in the third quarter, and inventory levels at the port were expected to rise due to higher volume of SP10 and lack of availability of high-grade blending stocks.
- Full-year 2021 guidance for iron ore shipments was reduced to 320-325 million tonnes due to delays in completion of the new greenfield mine at Gudai-Darri and the Robe Valley brownfield mine replacement project.

Key figures for the October quarter

(year-on-year percentage changes)

Iron ore production

Pilbara total iron ore production: 83.3 million tonnes (Rio Tinto share 69.9 million tonnes), down 4%

Pilbara total iron ore shipments: 83.4 million tonnes (Rio Tinto share 69.2 million tonnes), up 2%

IOC iron ore pellets and concentrate production: 2.2 million tonnes, down 8%

Full-year 2021 guidance

Pilbara iron ore shipments: 320-325 million tonnes, down from 325-340 million tonnes

IOC iron ore pellets and concentrate: 9.5-10.5 million tonnes, down from 10.5-12.0 million tonnes

Seaborne concentrate, pellet prices boosted by futures strength, increased demand

By Alex Theo - Monday 18 October

Seaborne iron ore concentrate and pellet prices rose in the week ended Friday October 15, benefitting from an uptrend in futures and increased buying interest ahead of upcoming sintering restrictions, market sources told Fastmarkets.

Fastmarkets iron ore indices

Pellet premium over 65% Fe fines, cfr China: \$46 per tonne, up \$4.10 per tonne

66% Fe concentrate, cfr Qingdao: \$149.31 per tonne, up \$10.80 per tonne

65% Fe blast furnace pellet, cfr Qingdao: \$194.98 per tonne, up \$12.22 per tonne



Key drivers

Stronger demand for pellet feed iron ore concentrate was observed in the market this past week, likely prompted by the upcoming sintering restrictions which are likely to start as early as end-October or as late as mid-November, according to sources.

Blast furnace pellet feed concentrate was still able to transact at a premium of \$1 per tonne over Fastmarkets' index for iron ore 65% Fe Brazil-origin fines, cfr Qingdao, but sintering concentrate remained at a discount, a Shanghai analyst said.

Most market participants believe that sintering concentrate with high impurity levels was most likely to trade at discounts of \$8-9 per tonne to a 65% Fe index, but those with lower impurity levels will likely fetch a discount closer to around \$1-2 per tonne.

A trading source in Singapore said that sentiment in the futures market had been positive after China's National Day holiday (October 1-7).

The weekly average for the November swaps contract for iron ore 65% Fe on the Singapore Exchange settled at \$148.89 per tonne in the week ended October 15, up by 5.8% from \$140.79 per tonne the previous week.

Steelmakers replenishing their inventories contributed to the rise in futures prices and prompted prices for iron ore concentrate and pellets to also rise during the week, a Singapore trader told Fastmarkets.

The upcoming sintering restrictions in China has boosted the demand for iron ore pellets, but limited supply from India has provided support to the prices, a Hong Kong-based trader said.

India's domestic demand was still strong and suppliers from the South Asian country will only entertain exports if prices were higher, the Hong Kong-based trader added.

Quote of the week

"Demand for direct-charge raw materials has picked up over the week ended October 15, likely prompted by the upcoming sintering restrictions. There were more [iron ore] lump transactions than pellets because pellet supply has been limited, especially from India - most likely due to the country's increased domestic demand. But Indian pellet suppliers might eventually start exporting more cargoes to China if prices keep increasing," a trading source in northern China said.

Trades/offers/bids heard in the market

Concentrate

Spot market, 100,000 tonnes of 66% Fe Minas Rio Blast Furnace Pellet Feed, traded at the November average of Fastmarkets' index for iron ore 65% Fe Brazil-origin fines, cfr Qingdao, adjusted for Fe content, plus a premium of \$1 per tonne, November arrival.

Spot market, 66% Fe Minas Rio Blast Furnace Pellet Feed, offered at the November average of Fastmarkets' index for iron ore 65% Fe Brazil-origin fines, cfr Qingdao, adjusted for Fe content, plus a premium of \$0.80 per tonne, November arrival.

Spot market, low-sulfur content 65% Fe Ukrainian concentrate, offered at the average of a 65% Fe index for the month after the notice of readiness at the port of discharge, October loading.

Pellets

Spot market, 50,000 tonnes of 64% Fe KIOCL pellets, traded at \$165 per tonne fob India, November loading.

Spot market, 50,000 tonnes of 64% Fe Indian pellets, traded at \$193 per tonne cfr China, end-October loading.

Spot market, 75,000 tonnes of 63.2% Fe ArcelorMittal Nippon Steel (AMNS) pellets, offered at \$187 per tonne cfr China, laycan November 2-12.

Spot market, 62.5% Fe AMNS pellets, offered at \$170 per tonne cfr China, end-October to early September loading.

Alice Li in Shanghai contributed to this article.

Industrial minerals

ANTIMONY MONTHLY REVIEW – OCTOBER: Tightening metal, trioxide supply

By Sofia Okun - Monday 18 October

The antimony metal and trioxide markets remained tight, with China's environmental checks the main factor pushing the prices up; some market players hope that smelters in Hunan, China, could reopen at the end of October, easing supply.

MONTHLY AVERAGE ANTIMONY PRICES

	Sept average price	% change month on month	% change from three months ago	% change year on year
Antimony max 100 ppm Bi, in-whs Rotterdam, \$/tonne	12,525.00	▲ 4.6	▲ 24.0%	▼ 12.0%
Antimony MMTA standard grade II, in-whs Rotterdam, \$/tonne	12,427.78	▲ 4.2	▲ 23.3%	▼ 11.6%
Antimony MMTA standard grade II, cdd China, yuan/tonne	71,375.00	▲ 5.9	▲ 31.3%	▼ 9.3%
Antimony trioxide 99.5% Sb ₂ O ₃ min, cif Antwerp/Rotterdam, \$/tonne	10,600.00	▲ 8.9	▲ 24.12%	▼ 7.88%
Antimony trioxide 99.5% Sb ₂ O ₃ min, fob China, \$/tonne	10225	▲ 9.8	▲ 23.34%	▼ 8.33%
Antimony trioxide 99.5% Sb ₂ O ₃ min, in-whs Antwerp/Rotterdam, €/kg	10.14	▲ 8.0	▲ 20.43%	▼ 12%
Antimony trioxide 99.5% Sb ₂ O ₃ min, in-whs Baltimore, \$/lb	5.85	▲ 9.6	▲ 30.00%	▼ 9.89%

Source: Fastmarkets

**Price moves**

The Chinese antimony price steadily moved up in September due to tight domestic supply. Most producers suspended operations due to a shortage of raw materials and could only supply the market from inventories.

"With more stocks consumed by the market as time goes by, there will be less and less antimony available for [the domestic] market," a Chinese trader said.

At the end of September, antimony prices reached a fresh twelve-month high.

Antimony trioxide (ATO) prices have also been increasing, following the metal's price dynamics. The shortage persists in the United States market, sources said, driving prices up by 9% on a monthly basis.

Market news: environmental checks, logistic issues, electricity rationing

The closure of metal refineries in Lengshuijiang city, of Hunan province, the antimony production hub in China, further exacerbated concerns about antimony supply.

In early September, the Zijiang river in Lengshuijiang was found to contain excessive levels of arsenic and antimony, resulting in the shutdown of **at least seven antimony plants during September**, while an investigation has been ongoing.

"Participants still have no idea when those plants can resume production," a second Chinese trader said.

"We did not receive any guidance from the government, but we hope to reopen at the end of October," an antimony metal and trioxide producer operating in Hunan told Fastmarkets.

A US-based buyer of antimony metal suggested that the plants could reopen at the end of October.

Many commodities produced in China have been affected by electricity rationing directed by local and central governments.

"Downstream manufactures may not be able to operate normally due to current power limits in China. Domestic demand for antimony would decline if downstream manufacturers cut output given power shortage, which would weigh on antimony prices," a third Chinese trader said.

An ATO producer operating in Guangxi said that because of power limits, his plant could operate only five days a week instead of working non-stop.

However, some Chinese sources said that there was no real impact on antimony plants' production, given that most plants were not operating at all because of environmental checks.

The shortage of available vessels and containers has added pressure to prices, market participants said. One ATO producer complained that it had been hard to get antimony concentrate from Russia and Tajikistan.

Alternative supply markets are also scarce, with COVID-related restrictions in place in Myanmar and difficulties getting material into Vietnam, a traders told Fastmarkets.

Earlier this month, sources told Fastmarkets that the congestion at major ports on the China-to-Europe route is **set to worsen** in the next three or four months.

Outlook: tightness here to stay

Entering October, Fastmarkets' sources became cautious.

With Chinese cargo holders asking for higher prices, domestic spot trading remained relatively slim. Downstream consumers only purchased material on "hand-to-mouth" needs, and exporters who have orders at hand would buy the materials.

"Antimony is expensive. Traders, who only do domestic business, rarely stockpile the materials. They may only consider back-to-back trading," the first Chinese trader said.

Due to a shortage on the European market, customers who usually buy antimony standard grade II metal have had to switch to trioxide metal, a European metal trader said.

One of the Chinese ATO producers suggested that if the shortage of materials cannot be solved, the prices for metal and trioxide are likely to stay high.

A European trader of ATO mentioned a lack of sufficient stock in Europe and no signs of lowering prices. "It is a sellers' market," he said.

"People are scrambling around to use what they can," another European trader said.

Ruby Liu in Shanghai and Fola Malomo in London contributed to the article.

EU car sales down 23% in September on semiconductor shortage

- Monday 18 October

The major car-manufacturing countries in Europe recorded double-digit percentage drops in sales volumes in September 2021 due to the continuing global semiconductor shortage, the European Automotive Manufacturers Association (ACEA) said on Friday October 15.

EU passenger car registrations decreased by 23.07% year-on-year to 718,598 units in September, the lowest number of registrations for a September since 1995, according to ACEA.

"This decrease in sales was largely caused by a lack of vehicles due to the continuing semiconductor shortage," ACEA said.

Overall, car sales for the first three quarters of 2021 increased by 6.64% to 7.5 million units, thanks to **significant gains achieved from March to May**.

The decline in car sales consequently affected steel demand.

Market sources reported that mills supplying the automotive sector **have booked 20-30% less steel than was expected**, matching the decline in car sales in September.

This released additional flat steel volumes to the spot market, supporting the bearish mood.

Fastmarkets' weekly price assessment for **steel hot-dipped galvanized coil, domestic, exw Northern Europe**, was €1,160-1,180 (\$1,345-1,369) per tonne on October 13, down by €20-50 per tonne from €1,180-1,230 per tonne a week earlier.

The corresponding weekly price assessment for **steel hot-dipped galvanized coil, domestic, exw Southern Europe**, was €1,130-1,160 per tonne on October 13, down by €40-50 per tonne week on week from €1,180-1,200 per tonne.

On average, about 900kg of steel is used in each car, according to the World Steel Association (Worldsteel).



EU NEW PASSENGER CAR REGISTRATIONS

	September 2021	year-on-year change %
France	133,830	▼20.48
Germany	196,972	▼25.73
Italy	105,175	▼32.73
Spain	59,641	▼15.68
UK*	215,312	▼34.36

*UK figure is not included in ACEA EU total. Compiled by Fastmarkets using ACEA data

Iron ore markets

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

News

Vale, Jiangsu Shagang sign low-carbon steel MoU

By Renato Rostás - Monday 18 October

Brazilian iron ore producer Vale has signed a memorandum of understanding with Chinese steel group Jiangsu Shagang to explore low-carbon steelmaking solutions, the former said on Monday October 18.

The companies intend to develop feasibility studies on using products such as higher-purity iron ore, which has a lower carbon footprint, in the iron-making process, and cooperation on Tecnores facilities.

Tecnores is a wholly-owned Vale subsidiary that is developing a low-carbon pig iron production process that uses biomass as energy, for example. It is one of the company's initiatives to reduce carbon dioxide emissions.

Vale's deal with Jiangsu Shagang is a step towards its goal of cutting its scope 3 emissions from customers and suppliers by 15% by 2035, it said. The company also expects to reduce scope 1-2 emissions by 33% by 2030, and reach carbon neutrality on those scopes by 2050.

The Brazilian miner has also entered into agreements with other steel companies, including Ternium in August this year, and Kobe and Mitsui in July 2020.

In September, it also launched a new green briquette product that is expected to slash steelmaking greenhouse gas emissions by 10%.

Lower demand for iron ore in China, amid energy and steel production restrictions, has sent seaborne prices of the commodity plummeting in recent months.

Fastmarkets' index for iron ore 62% Fe fines, cfr Qingdao was calculated at \$124.32 per tonne on Monday, down 0.72% from \$125.22 per tonne on October 15, and down 7.93% from \$135.03 per tonne on October 11.

The index reached an all-time high of \$237.57 per tonne on May 12, and has fallen 47.67% since then.

AT A GLANCE: Severstal's sales increase despite Russian export duty and softer domestic demand

By Ross Yeo - Monday 18 October

A summary of the operational results for Russian steelmaker Severstal for the third quarter (July-September) of 2021

In brief

- Steel sales were up by 1% quarter on quarter to 2.69 million tonnes due to strong sales of pig iron and slabs.
- Sales of hot-rolled steel and plate increased by 1% quarter on quarter to 1.12 million tonnes.
- The total share of export sales volume, including sales of pig iron, increased by 6 percentage points quarter on quarter to 51% due to a softening of domestic demand in Russia.
- Revenue increased by 9% quarter on quarter to \$3,206 million; this growth was driven primarily by export demand, including a fourfold quarterly increase in revenue from North America and a twofold quarterly increase from the Middle East.
- This increase in export-sales revenue came despite the introduction, from August 1, of [temporary export duties on steel and ferrous products](#).

Third quarter results

Revenue:

\$3,206 million, up by 9% quarter on quarter and 65% year on year.

Earnings before interest, taxes, depreciation and amortization (EBITDA):

\$1,723 million, up by 5% quarter on quarter and 165% year on year.

Hot metal production:

2,728,000 tonnes, up by 4% quarter on quarter and 12% year on year.

Crude steel production:

2,878,000 tonnes, up by 4% quarter on quarter and 1% year on year.

Total steel product sales:

2,694,000 tonnes, up by 1% quarter on quarter and down by 1% year on year.

Iron ore product sales:

1,092,000 tonnes, up by 17% quarter on quarter and 24% year on year.

Key quote

"In Q3 2021, we saw the first signs of a normalization in the steel market. Iron ore prices fell by almost \$100 per tonne from all-time maximums due to a decrease in Chinese demand, as China limits steel output. In line with our expectations, spot steel prices also declined from the record level of Q2. The semi-conductor shortage pushed automotive output down in Europe, which led to lower steel demand and declining lead times from steel mills, resulting in supply and demand being in balance. The introduction of export duties in Russia caused domestic HRC [hot-rolled coil] prices to fall to a level below export parity, net of duty."



- Alexander Shevelev, chief executive officer, AO Severstal Management

IRON ORE DAILY: Prices down slightly amid weak steel demand

By Zihao Yu - Monday 18 October

Iron ore prices were mostly down a bit on Monday October 18 with limited liquidity amid weak steel demand, sources said.

Fastmarkets iron ore indices

62% Fe fines, cfr Qingdao: \$124.32 per tonne, down \$0.90 per tonne

62% Fe low-alumina fines, cfr Qingdao: \$125.97 per tonne, down \$0.53 per tonne

58% Fe fines high-grade premium, cfr Qingdao: \$94.47 per tonne, up \$0.18 per tonne

65% Fe Brazil-origin fines, cfr Qingdao: \$148.10 per tonne, up \$0.10 per tonne

63% Fe Australia-origin lump ore premium, cfr Qingdao: \$0.2100 per dry metric tonne unit (dmtu), down \$0.0100 per dmtu

62% Fe fines, fot Qingdao: 886 yuan per wet metric tonne (implied **62% Fe China Port Price:** \$127.46 per dry tonne), down by 17 yuan per wmt

Key drivers

The most-traded January iron ore futures contract on the Dalian Commodity Exchange (DCE) fluctuated around the closing price after opening, ending down by 1.7% from last Friday's close of 723.50 yuan (\$112) per tonne.

The most-traded November iron ore forward-month swap contract on the Singapore Exchange (SGX) gained in the morning but fell in the afternoon. By 6:16pm Singapore time, it had registered a decrease of \$0.11 per tonne compared with last Friday's settlement price of \$122.11 per tonne.

A trading source in Shanghai said the physical trading in steel was inactive, which implied relatively slow demand. Iron ore demand weakened as a result.

Port trading of iron ore in China was depressed by the low liquidity of steel trading and steel mills were cautious in replenishing iron ore, a buyer source in northern China said.

Buying interest in iron ore further declined after the sharp decrease in the futures market on Monday. Most buyers had finished re-stoking activities last week, so market participants adopted a wait-and-see attitude, a second trading source in Shanghai said.

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Quote of the day

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Trades/offers/bids heard in the market

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Vale, Globalore, 170,000 tonnes of 65% Fe Iron Ore Carajas fines, offered at \$148.70 per tonne cfr China or at the November average of Fastmarkets' index for iron ore 65% Fe Brazil-origin fines, cfr Qingdao plus a premium of \$2.50 per tonne, bill of lading dated October 14.

Beijing Iron Ore Trading Center, 80,000 tonnes of 60.8% Fe Mining Area C

fines, offered at \$112.55 per tonne cfr China, laycan November 11-20.

Spot market, 170,000 tonnes of 62% Fe Pilbara Blended fines, offered at the November average of 62% Fe index plus a premium of \$1 per tonne, laycan November 10-20.

Market participant indications

Fastmarkets index for iron ore 62% Fe fines

Pilbara Blend fines: \$120.95-126.25 per tonne cfr China

Brazilian Blend fines: \$122-128.50 per tonne cfr China

Newman fines: \$121.91-124.20 per tonne cfr China

Mining Area C fines: \$114-115.57 per tonne cfr China

Jimblebar fines: \$101.45-105.29 per tonne cfr China

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

Iron Ore Carajas fines: \$144-150.70 per tonne cfr China

Port prices

Pilbara Blend fines were traded at 855-887 yuan per wmt in Shandong province and Tangshan city on Monday, compared with 870-880 yuan per wmt last Friday.

The latest range is equivalent to about \$123-128 per tonne in the seaborne market.

Dalian Commodity Exchange

The most-traded January iron ore futures contract closed at 711 yuan (\$110) per tonne on Monday, down by 12.50 yuan per tonne from last Friday's closing price.

Alex Theo in Singapore and Alice Li in Shanghai contributed to this article.

AT A GLANCE: Rio Tinto posts 4% fall in Q3 Pilbara iron ore output, shipments up 2%

By Zihao Yu - Monday 18 October

A summary of Rio Tinto's third-quarter production and shipment results, released by the company on Friday October 15.

In brief

- Pilbara iron ore production (100% basis) in the third quarter of 2021 was 4% lower year on year due to heritage management, brownfield mine replacement tie-ins and project completion delays.
- Iron ore shipments from Pilbara increased by 2% year on year in the third quarter despite product feed constraints.
- Shipments in the fourth quarter were expected to include an increased volume of SP10 products and higher China portside inventories.
- Pellet and concentrate production at the Iron Ore Company of Canada (IOC) was 8% lower year on year in the third quarter due to labor and equipment availability issues impacting product feed, and IOC's annual planned concentrator shutdown was completed in September.
- Port sales in China reached 3.6 million tonnes in the third quarter. About 86% of products sold were either blended or screened at Chinese ports in the third quarter of 2021.
- The first sale from the bonded warehouse in China to a steel mill in South Korea was completed in the third quarter, and inventory levels at the port were expected to rise due to higher volume of SP10 and lack of availability of high-grade blending stocks.
- Full-year 2021 guidance for iron ore shipments was reduced to 320-325 million tonnes due to delays in completion of the new greenfield mine at Gudai-Darri and the Robe Valley brownfield mine replacement project.

**Key figures for the October quarter***(year-on-year percentage changes)***Iron ore production**

Pilbara total iron ore production: 83.3 million tonnes (Rio Tinto share 69.9 million tonnes), down 4%

Pilbara total iron ore shipments: 83.4 million tonnes (Rio Tinto share 69.2 million tonnes), up 2%

IOC iron ore pellets and concentrate production: 2.2 million tonnes, down 8%

Full-year 2021 guidance

Pilbara iron ore shipments: 320-325 million tonnes, down from 325-340 million tonnes

IOC iron ore pellets and concentrate: 9.5-10.5 million tonnes, down from 10.5-12.0 million tonnes

Seaborne concentrate, pellet prices boosted by futures strength, increased demand

By Alex Theo - Monday 18 October

Seaborne iron ore concentrate and pellet prices rose in the week ended Friday October 15, benefitting from an uptrend in futures and increased buying interest ahead of upcoming sintering restrictions, market sources told Fastmarkets.

Fastmarkets iron ore indices

Pellet premium over 65% Fe fines, cfr China: \$46 per tonne, up \$4.10 per tonne

66% Fe concentrate, cfr Qingdao: \$149.31 per tonne, up \$10.80 per tonne

65% Fe blast furnace pellet, cfr Qingdao: \$194.98 per tonne, up \$12.22 per tonne

Key drivers

Stronger demand for pellet feed iron ore concentrate was observed in the market this past week, likely prompted by the upcoming sintering restrictions which are likely to start as early as end-October or as late as mid-November, according to sources.

Blast furnace pellet feed concentrate was still able to transact at a premium of \$1 per tonne over Fastmarkets' index for iron ore 65% Fe Brazil-origin fines, cfr Qingdao, but sintering concentrate remained at a discount, a Shanghai analyst said.

Most market participants believe that sintering concentrate with high impurity levels was most likely to trade at discounts of \$8-9 per tonne to a 65% Fe index, but those with lower impurity levels will likely fetch a discount closer to around \$1-2 per tonne.

A trading source in Singapore said that sentiment in the futures market had been positive after China's National Day holiday (October 1-7).

The weekly average for the November swaps contract for iron ore 65% Fe on the Singapore Exchange settled at \$148.89 per tonne in the week ended October 15, up by 5.8% from \$140.79 per tonne the previous week.

Steelmakers replenishing their inventories contributed to the rise in futures prices and prompted prices for iron ore concentrate and pellets to also rise during the week, a Singapore trader told Fastmarkets.

The upcoming sintering restrictions in China has boosted the demand for iron ore pellets, but limited supply from India has provided support to the prices, a Hong Kong-based trader said.

India's domestic demand was still strong and suppliers from the South Asian country will only entertain exports if prices were higher, the Hong Kong-based trader added.

Quote of the week

"Demand for direct-charge raw materials has picked up over the week ended October 15, likely prompted by the upcoming sintering restrictions. There were more [iron ore] lump transactions than pellets because pellet supply has been limited, especially from India - most likely due to the country's increased domestic demand. But Indian pellet suppliers might eventually start exporting more cargoes to China if prices keep increasing," a trading source in northern China said.

Trades/offers/bids heard in the market*Concentrate*

Spot market, 100,000 tonnes of 66% Fe Minas Rio Blast Furnace Pellet Feed, traded at the November average of Fastmarkets' index for iron ore 65% Fe Brazil-origin fines, cfr Qingdao, adjusted for Fe content, plus a premium of \$1 per tonne, November arrival.

Spot market, 66% Fe Minas Rio Blast Furnace Pellet Feed, offered at the November average of Fastmarkets' index for iron ore 65% Fe Brazil-origin fines, cfr Qingdao, adjusted for Fe content, plus a premium of \$0.80 per tonne, November arrival.

Spot market, low-sulfur content 65% Fe Ukrainian concentrate, offered at the average of a 65% Fe index for the month after the notice of readiness at the port of discharge, October loading.

Pellets

Spot market, 50,000 tonnes of 64% Fe KIOCL pellets, traded at \$165 per tonne fob India, November loading.

Spot market, 50,000 tonnes of 64% Fe Indian pellets, traded at \$193 per tonne cfr China, end-October loading.

Spot market, 75,000 tonnes of 63.2% Fe ArcelorMittal Nippon Steel (AMNS) pellets, offered at \$187 per tonne cfr China, laycan November 2-12.

Spot market, 62.5% Fe AMNS pellets, offered at \$170 per tonne cfr China, end-October to early September loading.

Alice Li in Shanghai 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	18 Oct 2021	148.1	0.07%	Sep 2021	142.83
MB-IRO-0144	Iron ore 62% Fe low-alumina fines, cfr Qingdao, \$/tonne	18 Oct 2021	125.97	-0.42%	Sep 2021	121.26
MB-IRO-0008	Iron ore 62% Fe fines, cfr Qingdao, \$/tonne	18 Oct 2021	124.32	-0.72%	Sep 2021	120.16



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-IRO-0017	Iron ore 58% Fe fines high-grade premium index, cfr Qingdao, \$/tonne	18 Oct 2021	94.47	0.19%	Sep 2021	91.83
MB-IRO-0016	Iron ore 58% Fe fines high-grade premium, cfr Qingdao, \$/tonne	18 Oct 2021	16	6.67%	Sep 2021	9.32
MB-IRO-0015	Iron ore 58% Fe fines, cfr Qingdao, \$/tonne	18 Oct 2021	78.47	-1.03%	Sep 2021	82.51
MB-IRO-0010	Iron ore 63% Fe Australia-origin lump ore premium, cfr Qingdao, US cents/dmtu	18 Oct 2021	21	-4.55%	Sep 2021	5.98
MB-IRO-0022	Iron ore 62% Fe fines, fot Qingdao, \$/tonne conversion	18 Oct 2021	127.46	-1.93%	Sep 2021	130.91
MB-IRO-0011	Iron ore 62% Fe fines, fot Qingdao, yuan/wet tonne	18 Oct 2021	886	-1.88%	Sep 2021	912.41
MB-IRO-0076	Iron ore product differential - 62% Fe Pilbara Blend Fines, cfr Qingdao, \$/tonne	18 Oct 2021	(0.41)		Sep 2021	(0.48)
MB-IRO-0114	Iron ore 62% Fe Pilbara blend fines, cfr Qingdao, \$/tonne	18 Oct 2021	123.91	-0.72%	Sep 2021	119.67

Weekly and monthly indices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-IRO-0012	Iron ore 65% Fe blast furnace pellet, cfr Qingdao, \$/tonne	15 Oct 2021	194.98	6.69%	Sep 2021	181.85
MB-IRO-0013	Iron ore 66% Fe concentrate, cfr Qingdao, \$/tonne	15 Oct 2021	149.31	7.80%	Sep 2021	144.12
MB-IRO-0077	Iron ore DR-grade pellet premium to 65% Fe fines index, Middle East reference, \$/tonne	30 Sep 2021	70	0.00%	Sep 2021	70
MB-IRO-0177	Iron ore pellet premium over 65% Fe fines, cfr China, \$/tonne	15 Oct 2021	46	9.79%	Sep 2021	34.48

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	18 Oct 2021	(6.58)		Sep 2021	(6.15)
MB-IRO-0018	Iron ore 62% Fe fines, % Fe VIU, cfr Qingdao, \$/tonne	18 Oct 2021	2.39	-7.00%	Sep 2021	2.27
MB-IRO-0020	Iron ore 62% Fe fines, % Si VIU, cfr Qingdao, \$/tonne	18 Oct 2021	(5.75)		Sep 2021	(5.31)
MB-IRO-0024	Iron ore 62% Fe fines, 0.01% P VIU, cfr Qingdao, \$/tonne	18 Oct 2021	(0.87)		Sep 2021	(0.69)
MB-IRO-0019	Iron ore 65% Fe fines, % Fe VIU, cfr Qingdao \$/tonne	18 Oct 2021	2.9	8.21%	Sep 2021	2.76

Manganese ore & alloys

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

Top stories

Portside manganese ore markets jump; low- and high-grade price gap widens

By Siyi Liu - Monday 18 October

Manganese ore prices at Chinese ports rose markedly in the week to Friday October 15 amid an improved demand outlook and easing production headwinds in some major alloy-producing regions.

The price differential between low-grade and high-grade manganese ore grew to 8.50 yuan (\$1.32) per dry metric tonne unit (dmtu) on Friday, the widest since Fastmarkets started assessing the markets in January 2019.

Suppliers have been attempting to push up portside prices with higher offers since mid-August amid a soaring silico-manganese market, the main consumer of manganese ore. But they have also battled against ample supply, stagnant demand and [rising storage costs](#).

Fastmarkets’ [manganese ore port index, base 37% Mn, range 35-39%, fot Tianjin](#) registered a steady rise over the past two months, to 34.60 yuan per dmtu on October 8 from 33.30 yuan per dmtu on August 9.

On Friday, the index jumped by 4.3% week on week to 36.10 yuan per dmtu.

Similarly, Fastmarkets’ [manganese ore port index, base 44% Mn, range 42-48%, fot Tianjin, China](#) gained 5.34% from 39.30 yuan per dmtu on August 9 to 41.40 yuan per dmtu on October 8, before jumping by 7.7% to 44.60 yuan per dmtu on Friday.

The prominent uptick in prices was mainly due to increased manganese alloy production in Inner Mongolia, one of the country’s largest silico-manganese producing regions, Fastmarkets understands.

The autonomous region lifted its electricity rates in September and since then electricity supply has improved. Some smelters in Inner Mongolia were heard to be able to ramp up production to 50% of normal levels, from 30% in the third quarter.

“The ramp-up [in production] has strengthened confidence in terms of ore demand,” one trader said. “Despite demand still being constrained compared with normal levels, it can only get better from the worst time in the third quarter.”

Meanwhile, smelting activities in Guangxi Zhuang autonomous region, which were largely halted in September, have resumed back to normal in the past week, participants told Fastmarkets.

In addition to the improved outlook, increasingly, cargoes at ports are being held by fewer traders which has facilitated them in achieving higher prices, Fastmarkets heard.

“Many small to medium traders withdrew from buying seaborne cargoes when prices continually exceeded portside prices for most of the year, which leads to tradeable cargoes at ports belonging to a limited number of

suppliers,” a second trader said.

That said, spot liquidity remained limited because many smelters still have sufficient stocks and their bookings of seaborne cargoes continue to arrive, participants said.

“It’s mainly smelters with low stocks - and amid fears of prices rising further - that are buying,” a silico-manganese producer source said.

Growing gap between low- and high-grade prices

Different levels of demand and supply of low- and high-grade manganese ore have led to an enlarged price gap between the two, which has traditionally ranged between 3 yuan and 5 yuan per dmtu, according to market participants.

Producers have shown strong appetite for high-grade manganese ore, especially Australian lumpy, in a bid to increase their output under constrained electricity supply.

“Smelters are making a profit of 2,000-3,000 yuan per tonne they produce. Of course their tolerance of feedstock costs is high and of course they will try to increase their output,” a third trader said.

Participants told Fastmarkets the ratio of high-grade versus low-grade manganese ore usage in silico-manganese production has been increased to 7:3, compared with the traditional 6:4 for many producers.

Meanwhile, limited availability of high-grade manganese ore has given prices another push, whereas supply of low-grade manganese ore remains ample.

At the Port of Tianjin, where the majority of China’s manganese ore stocks are held, stocks of Australia-origin manganese ore declined by 35% in the past month to about 495,000 tonnes in the week to Monday October 18, while South Africa-origin manganese ore stocks totaled 2.74 million tonnes, up 15% in the same period, according to data submitted by market participants.

“For Australian lumpy, buyers are willing to take offers as long as you deliver the material right away, but they are more hesitant to accept higher prices for semi-carbonate,” the second trader said.

Whether the unusual gap will last depends on alloy performance, participants told Fastmarkets.

Fastmarkets’ assessment of [silico-manganese 65% Mn min, max 17% Si, in-whs China](#) was unchanged week on week at 12,000-12,500 yuan per tonne on Friday, the highest since August 2008.

“Smelters will produce as much as they possibly can if their wide margins stay,” a fourth trader said.

“However, the increased alloy output could put some downward pressure on alloy prices in the near term. Once smelters’ profit margins get back within 1,000 yuan per tonne, they will possibly switch back to use more low-grade ore to eliminate costs,” he added.

Weekly ore indices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-MNO-0002	Manganese ore 37% Mn, fob Port Elizabeth, \$/dmtu	15 Oct 2021	3.07	5.50%	Sep 2021	2.89
MB-MNO-0001	Manganese ore 44% Mn, cif Tianjin, \$/dmtu	15 Oct 2021	5.5	2.80%	Sep 2021	5.2
MB-MNO-0003	Manganese ore index 37% Mn, cif Tianjin, \$/dmtu	15 Oct 2021	4.74	3.27%	Sep 2021	4.52
MB-MNO-0004	Manganese ore port index, base 37% Mn, range 35-39%, fot Tianjin China, yuan/dmtu	15 Oct 2021	36.1	4.34%	Sep 2021	34.3
MB-MNO-0005	Manganese ore port index, base 44% Mn, range 42-48%, fot Tianjin China, yuan/dmtu	15 Oct 2021	44.6	7.73%	Sep 2021	40.08

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	15 Oct 2021	12000 - 12500	0.00%	Sep 2021	8875 - 9300
MB-SIM-0004	Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	15 Oct 2021	1850 - 1950	-2.56%	Sep 2021	1410 - 1440
MB-SIM-0002	Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	15 Oct 2021	1900 - 2000	0.00%	Sep 2021	1585 - 1635
MB-SIM-0005	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	14 Oct 2021	1.18 - 1.2	0.00%	Sep 2021	
MB-SIM-0003	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, US cents/lb	14 Oct 2021	118 - 120	0.00%	Sep 2021	112 - 118.4

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	15 Oct 2021	11000 - 11300	-5.11%	Sep 2021	8875 - 9275
MB-FEM-0006	Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	15 Oct 2021	1900 - 2000	2.63%	Sep 2021	1575 - 1675
MB-FEM-0002	Ferro-manganese low carbon 80% Mn, max 0.80% C, in-whs Pittsburgh, US cents/lb	14 Oct 2021	315 - 320	33.68%	Sep 2021	219.8 - 228
MB-FEM-0004	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	14 Oct 2021	1.95 - 2	0.00%	Sep 2021	
MB-FEM-0003	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, US cents/lb	14 Oct 2021	195 - 200	0.00%	Sep 2021	194 - 199
MB-FEM-0001	Ferro-manganese high carbon 78% Mn, standard 7.5% C, in-whs Pittsburgh, \$/long ton	14 Oct 2021	2500 - 2550	0.00%	Sep 2021	2450 - 2500

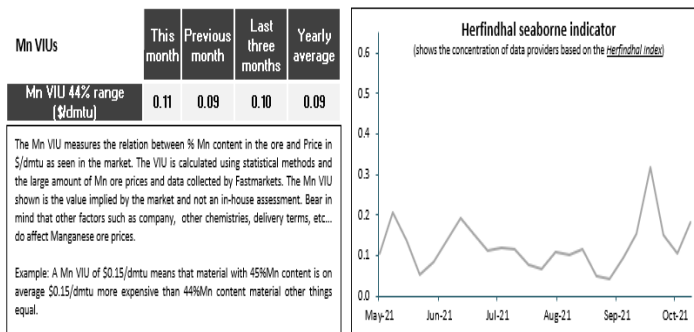
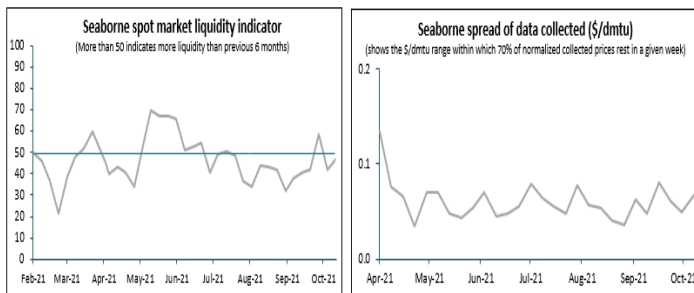
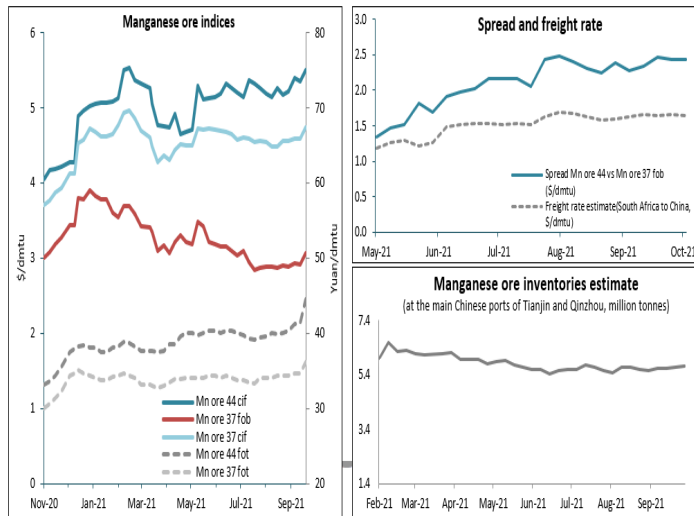
Manganese ore news

MANGANESE ORE ANALYTICS: October 18, 2021

By Jon Stibbs, Siyi Liu - Monday 18 October

The latest data for the global manganese ore market for the week to October 18, 2021.

INDICES	Code	Incoterm	Measure	Latest price	Previous price	Weekly change	Monthly average	Previous month	Quarterly average	Previous quarter
Manganese ore 44% cif	MB-MNO-0001	cif Tianjin	\$/dmtu (weekly)	5.50	5.35	+0.15	5.42	5.20	5.42	5.24
Manganese ore 37% cif	MB-MNO-0003	cif Tianjin	\$/dmtu (weekly)	4.74	4.59	+0.15	4.64	4.52	4.64	4.58
Manganese ore 37% fob	MB-MNO-0002	fob Port Elizabeth	\$/dmtu (weekly)	3.07	2.91	+0.16	2.97	2.89	2.97	2.97
Manganese ore 44% fot	MB-MNO-0005	fot Tianjin	yuan/dmtu (weekly)	44.6	41.4	+3.2	42.4	40.1	42.4	39.9
Manganese ore 37% fot	MB-MNO-0004	fot Tianjin	yuan/dmtu (weekly)	36.1	34.6	+1.5	35.1	34.3	35.1	34.0



Seaborne manganese ore markets hit six-month high

By Jon Stibbs, Siyi Liu - Monday 18 October

Seaborne low- and high-grade manganese ore markets hit half-year highs in the week to Friday October 18 due to strong sentiment stemming from good Chinese demand amid rising portside markets.

Low-grade achieves higher prices

South African producers offered semi-carbonate for November shipment at higher prices after the Golden Week holiday (October 1-7).

Fastmarkets' calculated the [manganese ore index, 37% Mn, cif Tianjin](#) at \$4.74 per dmtu on Friday, up by 15 cents per dmtu (3.3%) from \$4.59 per dmtu the previous week.

Strong restocking demand and easing electricity restrictions in the manganese alloy producing areas of Inner Mongolia and Guangxi supported demand.

"It will be interesting [to see] if this is merely restocking after the holiday or part of a larger trend due to increased consumption," a producer said.

Traders in China had improved buying appetite due to optimism about a [further price gain in the portside ore market](#).

"Current offers in the seaborne market came slightly higher than the port markets, but unlike previously in the markets where no positive signs existed, the renewed demand outlook could support the port markets, hence we are looking to build up stocks," a trader said.

Additionally, while several producers were active, some had cut back the volumes they had to offer to China, market participants said. This reduced availability of material and increased competition to secure material.

"The strength of demand was a surprise because I did not have enough tonnage," a second producer said.

Strong demand for material from the rest of the world, such as India and Russia, also reduced the availability of material for Chinese consumers.

"Flows to the rest of the world, where we can get higher prices, started to increase when Chinese alloy production was cut back and they have continued," the first producer said. "Now we are seeing a normalization of alloy production and alloy producers [are] coming onto the market wanting to be covered, there is the possibility the market could get tight."

Alloy producers in China are highly profitable at current prices, so they can afford to absorb the cost of higher seaborne offer prices. Meanwhile, a few producers who used to procure from portside markets now prefer to buy material from the seaborne market to guarantee supply and prices in advance amid high manganese alloy prices, Fastmarkets understands.

"This is also an issue of affordability, smelters can undoubtedly afford to pay more for their ore," a third producer said. "With current alloy prices, smelters are hedging on seaborne material in case ore traders with material in ports won't sell because they don't want to make a loss."

Ore stocks remain high in China's ports, which could cushion the effects of lower-than-usual supply from South Africa.

Fastmarkets assessed [manganese ore inventories at the main Chinese ports of Tianjin and Qinzhou](#) at 5.68-5.74 million tonnes on Monday October 18, up by 0.53% from 5.64-5.72 million tonnes a week earlier.

Specifically, stocks at the Port of Tianjin totaled around 4.07-4.11 million tonnes in the week to October 18, of which around 67% was shipped from South Africa, according to data submitted by market participants.

"Increased prices may encourage producers to release more material in future," the second producer said. "But logistical restraints remain that make moving material by road expensive."

While the fob index also rose, the market remained relatively low by historical standards because producers have had to come to terms with soaring freight rates.

Fastmarkets assessed [manganese ore 37% Mn, fob Port Elizabeth](#) at \$3.07 per tonne on Friday, up by 16 cents per dmtu from \$2.91 per tonne the previous week and the first time the fob price has risen to above \$3.00 per dmtu since July 30, 2021.

High-grade market supported

Liquidity was light in the market for high-grade ore but sentiment was strengthened by the recent price rally in portside markets following the rise in the semi-carbonate market and in response to increasing demand for material.

Fastmarkets' index for [manganese ore, 44% Mn, cif Tianjin](#) was calculated at \$5.50 per dmtu on Friday, up by 15 cents per dmtu (2.8%) from \$5.35 per



dmtu a week earlier.

Strong demand and limited availability prompted a rise in the high-grade manganese ore price at China's port market. Participants believed this could support buyers' appetite in accepting higher prices in the seaborne market,

especially given the similar supply tightness.

"Availability is short - there is not much material around. The production of high carbon ferro-manganese is increasing around the world and this requires high-grade ore," a market participant said.

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	18 Oct 2021	26.45 - 27.15	0.07%	Sep 2021	24.4 - 24.98
MB-CO-0004	Cobalt alloy grade, in-whs Rotterdam, \$/lb	18 Oct 2021	26.45 - 27.4	0.56%	Sep 2021	24.38 - 24.98
MB-CO-0001	Cobalt 99.8% Co min, ex-works China, yuan/tonne	15 Oct 2021	396000 - 406000	0.75%	Sep 2021	363444.44 - 386222.22
MB-CO-0017	Cobalt sulfate 20.5% Co basis, exw China, yuan/tonne	15 Oct 2021	88000 - 92000	0.00%	Sep 2021	79666.67 - 81555.56
MB-CO-0012	Cobalt tetroxide 72.6% Co min, delivered China, yuan/tonne	15 Oct 2021	310000 - 325000	0.79%	Sep 2021	280666.67 - 290000
MB-CO-0020	Cobalt hydroxide index 30% Co min, cif China, \$/lb	15 Oct 2021	23.64	2.69%	Sep 2021	21.41
MB-CO-0021	Cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end)	15 Oct 2021	89 - 91	0.00%	Sep 2021	88 - 90.11

Europe minor metals prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CO-0004	Cobalt alloy grade, in-whs Rotterdam, \$/lb	18 Oct 2021	26.45 - 27.4	0.56%	Sep 2021	24.38 - 24.98
MB-CO-0005	Cobalt standard grade, in-whs Rotterdam, \$/lb	18 Oct 2021	26.45 - 27.15	0.07%	Sep 2021	24.4 - 24.98
MB-AS-0001	Arsenic 99% min As, in-whs Rotterdam, \$/lb	08 Oct 2021	1.4 - 1.7	0.00%	Sep 2021	1.4 - 1.7
MB-SB-0002	Antimony MMTA standard grade II, in-whs Rotterdam, \$/tonne	15 Oct 2021	13000 - 13200	1.55%	Sep 2021	12188.89 - 12666.67
MB-SB-0001	Antimony max 100 ppm Bi, in-whs Rotterdam, \$/tonne	15 Oct 2021	13200 - 13500	0.00%	Sep 2021	12255.56 - 12794.44
MB-BI-0001	Bismuth 99.99% Bi min, in-whs Rotterdam, \$/lb	15 Oct 2021	3.7 - 4.1	0.00%	Sep 2021	3.7 - 4.04
MB-CR-0001	Chromium alumino-thermic 99% min, in-whs Rotterdam, \$/tonne	15 Oct 2021	10250 - 10550	0.00%	Sep 2021	10175 - 10437.5
MB-GA-0001	Gallium 99.99% Ga min, in-whs Rotterdam, \$/kg	15 Oct 2021	310 - 335	0.00%	Sep 2021	308.89 - 333.89
MB-GER-0003	Germanium 99.99% Ge, in-whs Rotterdam, \$/kg	15 Oct 2021	1230 - 1350	0.00%	Sep 2021	1281.11 - 1350
MB-IN-0002	Indium 99.99%, in-whs Rotterdam, \$/kg	15 Oct 2021	260 - 285	0.00%	Sep 2021	238 - 275.56
MB-MG-0001	Magnesium 99.9%, in-whs Rotterdam, \$/tonne	15 Oct 2021	16000 - 16500	0.00%	Sep 2021	5775 - 6612.5
MB-MN-0001	Manganese 99.7% electrolytic manganese flake, in-whs Rotterdam, \$/tonne	15 Oct 2021	7200 - 7400	0.00%	Sep 2021	5372.22 - 5583.33
MB-RE-0001	Rhenium APR catalytic grade, in-whs dup Rotterdam, \$/kg	08 Oct 2021	890 - 1050	0.00%	Sep 2021	890 - 1050
MB-RE-0002	Rhenium metal pellets 99.9% Re min, in-whs dup, Rotterdam \$/lb	08 Oct 2021	450 - 700	0.00%	Sep 2021	450 - 700
MB-SE-0002	Selenium 99.5% Se min, in-whs Rotterdam, \$/lb	15 Oct 2021	9.35 - 11	0.00%	Sep 2021	9.58 - 10.6
MB-SI-0004	Silicon grade 5-5-3 98.5% Si min, in-whs Rotterdam, €/tonne	15 Oct 2021	8500 - 8650	0.00%	Sep 2021	3675 - 4050
MB-SI-0001	Silicon grade 4-4-1 99% Si min, in-whs Rotterdam, €/tonne	15 Oct 2021	8500 - 8650	0.00%	Sep 2021	3675 - 4050
MB-TE-0001	Tellurium 99.9-99.99% Te min, in-whs Rotterdam, \$/kg	15 Oct 2021	63 - 75	-3.50%	Sep 2021	68 - 80

China minor metals prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CO-0001	Cobalt 99.8% Co min, ex-works China, yuan/tonne	15 Oct 2021	396000 - 406000	0.75%	Sep 2021	363444.44 - 386222.22



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)	15 Oct 2021	89 - 91	0.00%	Sep 2021	88 - 90.11
MB-CO-0020	Cobalt hydroxide index 30% Co min, cif China, \$/lb	15 Oct 2021	23.64	2.69%	Sep 2021	21.41
MB-CO-0017	Cobalt sulfate 20.5% Co basis, exw China, yuan/tonne	15 Oct 2021	88000 - 92000	0.00%	Sep 2021	79666.67 - 81555.56
MB-CO-0012	Cobalt tetroxide 72.6% Co min, delivered China, yuan/tonne	15 Oct 2021	310000 - 325000	0.79%	Sep 2021	280666.67 - 290000
MB-SB-0003	Antimony MMTA standard grade II, ddp China, yuan/tonne	15 Oct 2021	76000 - 77000	2.68%	Sep 2021	70875 - 71875
MB-BI-0002	Bismuth 99.99% Bi min, in-whs China, yuan/tonne	15 Oct 2021	47500 - 48000	1.06%	Sep 2021	46000 - 47125
MB-GA-0002	Gallium 99.99% Ga min, in-whs China, yuan/kg	15 Oct 2021	1980 - 2000	2.58%	Sep 2021	1930 - 1950
MB-GER-0004	Germanium 99.999% Ge min, in-whs China, yuan/kg	15 Oct 2021	8800 - 8900	0.28%	Sep 2021	8712.5 - 8900
MB-GER-0001	Germanium dioxide, in-whs China, \$/kg	15 Oct 2021	890 - 930	2.82%	Sep 2021	850 - 871.56
MB-IN-0003	Indium 99.99%, exw China, yuan/kg	15 Oct 2021	1600 - 1700	-5.71%	Sep 2021	1612.5 - 1725
MB-MG-0002	Magnesium 99.9% Mg min, fob China main ports, \$/tonne	15 Oct 2021	7830 - 8200	1.26%	Sep 2021	6480 - 6882.5
MB-MG-0003	Magnesium 99.9%, exw China, yuan/tonne	15 Oct 2021	47000 - 49000	-2.04%	Sep 2021	41500 - 44250
MB-MN-0007	Manganese 99.7% electrolytic manganese flake, fob China, \$/tonne	15 Oct 2021	6400 - 6600	15.04%	Sep 2021	4675 - 4862.5
MB-SI-0002	Silicon export 98.5% Si min, fob China, \$/tonne	15 Oct 2021	6500 - 7000	-25.00%	Sep 2021	5500 - 5980
MB-SE-0003	Selenium 99.9% Se min, in-whs China, yuan/kg	15 Oct 2021	130 - 185	5.00%	Sep 2021	120 - 173.75
MB-TE-0002	Tellurium 99.99% Te min, in-whs China, yuan/kg	15 Oct 2021	480 - 490	-3.48%	Sep 2021	497.5 - 525
MB-TA-0001	Tantalite, basis 25% min Ta2O5, cif China, \$ per lb Ta2O5	15 Oct 2021	77 - 82	-3.64%	Sep 2021	84.75 - 89.5

US minor metals prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CR-0002	Chromium alumino-thermic 99% min ex-US warehouse \$/lb	14 Oct 2021	4.85 - 5	0.00%	Sep 2021	4.85 - 5
MB-SI-0003	Silicon, ddp US, US cents/lb	14 Oct 2021	335 - 425	18.75%	Sep 2021	178.8 - 200
MB-TI-0007	Titanium plate commercially pure, fob shipping point US, \$/lb	12 Oct 2021	11 - 13	0.00%	Sep 2021	11 - 13
MB-TI-0006	Titanium bar alloy AMS 4928, fob shipping point US, \$/lb	12 Oct 2021	24 - 25	0.00%	Sep 2021	24 - 25
MB-TI-0004	Titanium ingot 6Al-4V, fob shipping point US, \$/lb	12 Oct 2021	8 - 8.5	0.00%	Sep 2021	8 - 8.5
MB-TI-0008	Titanium sheet commercially pure, fob shipping point US, \$/lb	12 Oct 2021	13 - 15	0.00%	Sep 2021	13 - 15
MB-TI-0005	Titanium plate alloy AMS 4911, fob shipping point US, \$/lb	12 Oct 2021	27 - 28	0.00%	Sep 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	15 Oct 2021	117 - 125	11.52%	Sep 2021	91.11 - 117.44
MB-CD-0002	Cadmium 99.99% min, cif global ports, cents/lb	15 Oct 2021	117 - 125	11.52%	Sep 2021	91.11 - 117.44
MB-HF-0001	Hafnium, max 1% Zr, in-whs global locations, \$/kg	08 Oct 2021	850 - 950	0.00%	Sep 2021	850 - 950

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	15 Oct 2021	55	0.00%	Sep 2021	57.5
MB-AL-0370	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	45	0.00%	Sep 2021	45
MB-AL-0371	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	56	0.00%	Sep 2021	55
MB-AL-0367	Aluminum scrap litho sheets, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	70	0.00%	Sep 2021	75.5
MB-AL-0372	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	60	0.00%	Sep 2021	60.5
MB-AL-0037	Aluminum scrap segregated low copper alloy clips 3105, mills specialty consumers' buying price, delivered consumer US, US cents/lb	14 Oct 2021	93 - 95	1.08%	Sep 2021	89.2 - 91.2
MB-AL-0369	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	60	0.00%	Sep 2021	60.5
MB-AL-0366	Aluminum scrap industrial castings, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	48	0.00%	Sep 2021	47.5
MB-AL-0365	Aluminum scrap aluminum borings, turnings, clean & dry, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	25	0.00%	Sep 2021	22.5
MB-AL-0031	Aluminum scrap turnings clean dry high grade buying price, delivered to Midwest secondary smelters, US cents/lb	14 Oct 2021	66 - 70	1.49%	Sep 2021	64.2 - 68.2
MB-AL-0032	Aluminum scrap turnings clean dry mixed grade (max 5% Zn) buying price, delivered to Midwest secondary smelters, US cents/lb	14 Oct 2021	58 - 62	1.69%	Sep 2021	55.8 - 59.8
MB-AL-0033	Aluminum scrap aluminium-copper radiators buying price, delivered to Midwest secondary smelters, US cents/lb	14 Oct 2021	200 - 210	1.99%	Sep 2021	196.2 - 206.2
MB-AL-0030	Aluminum scrap old cast buying price, delivered to Midwest secondary smelters, US cents/lb	14 Oct 2021	70 - 74	4.35%	Sep 2021	65.6 - 69.6
MB-AL-0029	Aluminum scrap old sheet buying price, delivered to Midwest secondary smelters, US cents/lb	14 Oct 2021	71 - 75	4.29%	Sep 2021	64.8 - 68.8
MB-AL-0027	Aluminum scrap siding buying price, delivered Midwest secondary smelters, US cents/lb	14 Oct 2021	72 - 75	1.38%	Sep 2021	69 - 72
MB-AL-0368	Aluminum scrap mixed clips, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	60	0.00%	Sep 2021	60.5
MB-AL-0028	Aluminum scrap mixed clips buying price, delivered to Midwest secondary smelters, US cents/lb	14 Oct 2021	70 - 73	2.88%	Sep 2021	66.4 - 69.4
MB-AL-0024	Aluminum scrap mixed high copper clips, buying price, delivered Midwest secondary smelters, US cents/lb	14 Oct 2021	76 - 79	2.65%	Sep 2021	71.4 - 74.4
MB-AL-0038	Aluminum scrap mixed low copper clips, specialty consumers' buying price, delivered consumer US, US cents/lb	14 Oct 2021	91 - 94	2.21%	Sep 2021	86.6 - 89.4
MB-AL-0023	Aluminum scrap mixed low copper clips, buying price, delivered Midwest secondary smelters, US cents/lb	14 Oct 2021	80 - 83	4.49%	Sep 2021	74.4 - 77
MB-AL-0025	Aluminum scrap mixed high zinc clips buying price, delivered Midwest secondary smelters, US cents/lb	14 Oct 2021	67 - 69	3.03%	Sep 2021	64.2 - 66.8
MB-AL-0026	Aluminum scrap 1-1-3 sows buying price, delivered Midwest secondary smelters, US cents/lb	14 Oct 2021	73 - 75	1.37%	Sep 2021	70 - 72



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	14 Oct 2021	142 - 146	1.41%	Sep 2021	137.2 - 141.2
MB-AL-0039	Aluminum scrap painted siding, specialty consumers' buying price, delivered consumer US, US cents/lb	14 Oct 2021	88 - 91	0.00%	Sep 2021	85.2 - 88.2
MB-AL-0373	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	45	0.00%	Sep 2021	47
MB-AL-0035	Aluminum scrap used beverage cans, domestic aluminum producer buying price, fob shipping point US, US cents/lb	14 Oct 2021	86 - 90	2.33%	Sep 2021	81.2 - 85.4
MB-AL-0034	Aluminum scrap non-ferrous auto shred (90% Al) buying price, delivered to Midwest secondary smelters, US cents/lb	14 Oct 2021	80 - 85	2.48%	Sep 2021	72 - 77
MB-AL-0375	Zorba 95/3 min, basis delivered US facility, US cents/lb	14 Oct 2021	67 - 69	1.49%	Sep 2021	62 - 64
MB-AL-0161	Aluminum scrap 63S aluminum solids, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	190	2.70%	Sep 2021	154.5
MB-AL-0117	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	40	0.00%	Sep 2021	40
MB-AL-0101	Aluminum scrap borings, turnings, clean & dry, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	20	0.00%	Sep 2021	20
MB-AL-0118	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	75	0.00%	Sep 2021	67.5
MB-AL-0102	Aluminum scrap borings, turnings, clean & dry, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	53	0.00%	Sep 2021	47.5
MB-AL-0160	Aluminum scrap 63S aluminum solids, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	60	0.00%	Sep 2021	60
MB-AL-0085	Aluminum scrap mixed clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	50	0.00%	Sep 2021	50
MB-AL-0054	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	104	4.00%	Sep 2021	115
MB-AL-0149	Aluminum scrap industrial castings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	40	0.00%	Sep 2021	40
MB-AL-0150	Aluminum scrap industrial castings, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	70	1.45%	Sep 2021	62.5
MB-AL-0133	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	15	0.00%	Sep 2021	15
MB-AL-0134	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	98	0.00%	Sep 2021	80
MB-AL-0203	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	47	0.00%	Sep 2021	47
MB-AL-0204	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	100	6.38%	Sep 2021	87
MB-AL-0070	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	106	4.95%	Sep 2021	91
MB-AL-0069	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	53	0.00%	Sep 2021	47.5
MB-AL-0053	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	60	0.00%	Sep 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	15 Oct 2021	190	2.70%	Sep 2021	154.5
MB-AL-0117	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	40	0.00%	Sep 2021	40
MB-AL-0101	Aluminum scrap borings, turnings, clean & dry, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	20	0.00%	Sep 2021	20
MB-AL-0118	Aluminum scrap old aluminum sheet & cast, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	75	0.00%	Sep 2021	67.5
MB-AL-0102	Aluminum scrap borings, turnings, clean & dry, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	53	0.00%	Sep 2021	47.5
MB-AL-0160	Aluminum scrap 63S aluminum solids, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	60	0.00%	Sep 2021	60
MB-AL-0085	Aluminum scrap mixed clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	50	0.00%	Sep 2021	50
MB-AL-0054	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	104	4.00%	Sep 2021	115
MB-AL-0149	Aluminum scrap industrial castings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	40	0.00%	Sep 2021	40
MB-AL-0150	Aluminum scrap industrial castings, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	70	1.45%	Sep 2021	62.5
MB-AL-0133	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	15	0.00%	Sep 2021	15
MB-AL-0134	Aluminum scrap used beverage cans, clean & dry, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	98	0.00%	Sep 2021	80
MB-AL-0203	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	47	0.00%	Sep 2021	47
MB-AL-0204	Aluminum scrap painted aluminum siding, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	100	6.38%	Sep 2021	87
MB-AL-0070	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	106	4.95%	Sep 2021	91
MB-AL-0069	Aluminum scrap mixed low copper clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	53	0.00%	Sep 2021	47.5
MB-AL-0053	Aluminum scrap segregated low copper clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	60	0.00%	Sep 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	13 Oct 2021	1252 - 1302	2.90%	Sep 2021	1146 - 1186
MB-AL-0015	Aluminium scrap group 7 turnings, delivered consumer UK, £/tonne	13 Oct 2021	700 - 750	0.69%	Sep 2021	632 - 672
MB-AL-0012	Aluminium scrap commercial turnings, delivered consumer UK, £/tonne	13 Oct 2021	900 - 950	0.54%	Sep 2021	840 - 888
MB-AL-0285	Aluminium scrap commercial turnings, LME discount, delivered consumer UK, £/tonne	13 Oct 2021	1052 - 1102	3.46%	Sep 2021	930 - 978
MB-AL-0010	Aluminium scrap commercial cast, delivered consumer UK, £/tonne	13 Oct 2021	1200 - 1280	3.77%	Sep 2021	1062 - 1110
MB-AL-0283	Aluminium scrap commercial cast, LME discount, delivered consumer UK, £/tonne	13 Oct 2021	722 - 802	-0.52%	Sep 2021	708 - 756
MB-AL-0011	Aluminium scrap commercial pure cuttings, delivered consumer UK, £/tonne	13 Oct 2021	1300 - 1350	1.92%	Sep 2021	1204 - 1258



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0279	Aluminium scrap commercial pure cuttings, LME discount, delivered consumer UK, £/tonne	13 Oct 2021	847 - 897	6.21%	Sep 2021	787.6 - 841.6
MB-AL-0017	Aluminium scrap LM6/LM25 gravity diecasting ingot, delivered consumer UK, £/tonne	13 Oct 2021	2400 - 2580	7.10%	Sep 2021	2034 - 2106
MB-AL-0284	Aluminium scrap cast wheels, LME discount, delivered consumer UK, £/tonne	13 Oct 2021	202 - 262	-18.88%	Sep 2021	276 - 346
MB-AL-0007	Aluminium scrap cast wheels, delivered consumer UK, £/tonne	13 Oct 2021	1740 - 1800	5.67%	Sep 2021	1472 - 1542
MB-AL-0008	Aluminium scrap cast, delivered consumer Europe, €/tonne	15 Oct 2021	1580 - 1650	5.21%	Sep 2021	1352.5 - 1407.5
MB-AL-0278	Aluminium scrap group 1 pure 99% & litho, LME discount, delivered consumer UK, £/tonne	13 Oct 2021	147 - 247	-14.72%	Sep 2021	245.6 - 295.6
MB-AL-0014	Aluminium scrap group 1 pure 99% & litho, delivered consumer UK, £/tonne	13 Oct 2021	1950 - 2050	5.82%	Sep 2021	1750 - 1800
MB-AL-0281	Aluminium scrap loose old rolled cuttings, LME discount, delivered consumer UK, £/tonne	13 Oct 2021	952 - 1002	1.14%	Sep 2021	858 - 904
MB-AL-0018	Aluminium scrap loose old rolled cuttings, delivered consumer UK, £/tonne	13 Oct 2021	1000 - 1050	3.02%	Sep 2021	914 - 960
MB-AL-0282	Aluminium scrap baled old rolled, LME discount, delivered consumer UK, £/tonne	13 Oct 2021	852 - 952	1.23%	Sep 2021	758 - 816
MB-AL-0006	Aluminium scrap baled old rolled, delivered consumer UK, £/tonne	13 Oct 2021	1050 - 1150	2.80%	Sep 2021	1002 - 1060
MB-AL-0280	Aluminium scrap clean HE9 extrusions, LME discount, delivered consumer UK, £/tonne	13 Oct 2021	147 - 247	-14.72%	Sep 2021	245.6 - 295.6
MB-AL-0013	Aluminium scrap floated frag, delivered consumer Europe, €/tonne	15 Oct 2021	1670 - 1750	2.09%	Sep 2021	1465 - 1520
MB-AL-0019	Aluminium scrap mixed turnings, delivered consumer Europe, €/tonne	15 Oct 2021	1380 - 1450	4.81%	Sep 2021	1260 - 1317.5
MB-AL-0009	Aluminium scrap clean HE9 extrusions, delivered consumer UK, £/tonne	13 Oct 2021	1950 - 2050	5.82%	Sep 2021	1750 - 1800
MB-AL-0016	Aluminium scrap LM24 pressure diecasting ingot, delivered consumer UK, £/tonne	13 Oct 2021	1970 - 2050	3.08%	Sep 2021	1782 - 1840

Secondary aluminium alloy prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0005	Aluminium pressure diecasting ingot DIN226/A380, delivered Europe, €/tonne	15 Oct 2021	2750 - 2900	7.62%	Sep 2021	2052.5 - 2112.5
MB-AL-0040	Aluminum alloy A380.1, delivered Midwest, US cents/lb	14 Oct 2021	126 - 130	3.23%	Sep 2021	120.2 - 123.4
MB-AL-0233	Aluminum alloy A380.1, delivered Midwest, \$/lb	14 Oct 2021	1.26 - 1.3	3.23%	Sep 2021	
MB-AL-0041	Aluminum alloy 319.1, delivered Midwest, cents/lb	14 Oct 2021	132 - 135	1.52%	Sep 2021	128.6 - 131.6
MB-AL-0042	Aluminum alloy 356.1, delivered Midwest, cents/lb	14 Oct 2021	152 - 156	1.32%	Sep 2021	146.4 - 148.8
MB-AL-0043	Aluminum alloy A360.1, delivered Midwest, cents/lb	14 Oct 2021	152 - 157	1.31%	Sep 2021	145 - 147.6
MB-AL-0044	Aluminum alloy A413.1, delivered Midwest, cents/lb	14 Oct 2021	157 - 162	3.91%	Sep 2021	146 - 148.6
MB-AL-0292	Aluminium ingot ADC 12 spot (MJP), cfr Japan, \$/tonne	13 Oct 2021	3000 - 3400	3.23%	Sep 2021	2754 - 2910
MB-AL-0350	Aluminium ingot ADC 12, exw dp China, yuan/tonne	13 Oct 2021	23600 - 24000	-0.63%	Sep 2021	22400 - 22940

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	15 Oct 2021	345	2.99%	Sep 2021	339



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	13 Oct 2021	(26) - (23)		Sep 2021	(26.2) - (23.2)
MB-CU-0292	Copper scrap No1 copper, discount, buying price, delivered to refiners, US cents/lb	13 Oct 2021	(22) - (18)		Sep 2021	(23.2) - (19.4)
MB-CU-0291	Copper scrap No1 copper, discount, buying price, delivered to brass mill US, US cents/lb	13 Oct 2021	(14) - (12)		Sep 2021	(19.2) - (14.6)
MB-CU-0294	Copper scrap No1 bare bright, discount, buying price, delivered to brass ingot makers, US cents/lb	13 Oct 2021	(13) - (11)		Sep 2021	(13.4) - (11.4)
MB-CU-0305	Copper scrap No1 bare bright, buying price, delivered to brass ingot makers, US cents/lb	18 Oct 2021	460 - 462	0.00%	Sep 2021	413.38 - 415.38
MB-CU-0306	Copper scrap No1 copper, buying price, delivered to brass ingot makers, US cents/lb	18 Oct 2021	447 - 450	0.00%	Sep 2021	400.62 - 403.62
MB-CU-0302	Copper scrap No1 copper, buying price, delivered to brass mill US, US cents/lb	18 Oct 2021	460	0.00%	Sep 2021	409.62
MB-CU-0298	Copper scrap No1 comp solids, buying price, delivered to brass ingot makers, US cents/lb	13 Oct 2021	325 - 330	-0.15%	Sep 2021	327.6 - 332
MB-CU-0303	Copper scrap No1 copper, buying price, delivered to refiners, US cents/lb	18 Oct 2021	453	0.00%	Sep 2021	405.45
MB-CU-0010	Copper scrap No1 heavy copper & wire, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	485	4.98%	Sep 2021	463.5
MB-CU-0009	Copper scrap No1 heavy copper & wire, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	333	0.91%	Sep 2021	315
MB-CU-0512	No1 copper material, RCu-2A,1B (candy/berry), cif China, LME/Comex discount, US cents per lb	27 Sep 2021	8.5 - 11	-29.09%	Sep 2021	8.5 - 11
MB-CU-0360	No2 copper material, RCu-2B (birch/cliff), cif China, LME/Comex discount, US cents per lb	27 Sep 2021	25 - 30	-36.78%	Sep 2021	25 - 30
MB-CU-0025	Copper scrap No2 heavy copper & wire, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	295	4.24%	Sep 2021	279
MB-CU-0418	Copper scrap No2 heavy copper & wire, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	320	2.24%	Sep 2021	319
MB-CU-0304	Copper scrap No2 copper, buying price, delivered to refiners, US cents/lb	18 Oct 2021	419.5	0.00%	Sep 2021	368.38
MB-CU-0307	Copper scrap No2 copper, buying price, delivered to brass ingot makers, US cents/lb	18 Oct 2021	416 - 418	0.00%	Sep 2021	367.57 - 370.9
MB-CU-0293	Copper scrap No2 copper, discount, buying price, delivered to refiners, US cents/lb	13 Oct 2021	(55) - (52)		Sep 2021	(59.6) - (56.4)
MB-CU-0296	Copper scrap No2 copper, discount, buying price, delivered to brass ingot makers, US cents/lb	13 Oct 2021	(57) - (55)		Sep 2021	(59) - (55.8)
MB-CU-0026	Copper scrap No2 heavy copper & wire, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	455	4.60%	Sep 2021	432.5

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	15 Oct 2021	205	7.89%	Sep 2021	192.5
MB-CU-0301	Copper scrap yellow brass solids, buying price, delivered to brass ingot makers, US cents/lb	13 Oct 2021	258 - 260	0.58%	Sep 2021	252 - 258
MB-CU-0416	Copper scrap mixed yellow brass turnings, borings, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	167	0.00%	Sep 2021	173
MB-CU-0414	Copper scrap auto radiators (unsweated), dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	160	0.00%	Sep 2021	179



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0300	Copper scrap radiators, buying price, delivered to brass ingot makers, US cents/lb	13 Oct 2021	252 - 255	-0.39%	Sep 2021	253.2 - 258.2
MB-CU-0413	Copper scrap 70-30 brass clips, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	249	0.00%	Sep 2021	249.5
MB-CU-0415	Copper scrap light copper, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	295	0.00%	Sep 2021	297.5
MB-CU-0297	Copper scrap light copper, discount, buying price, delivered to brass ingot makers, US cents/lb	13 Oct 2021	(62) - (58)		Sep 2021	(62.8) - (58.2)
MB-CU-0308	Copper scrap light copper, buying price, delivered to brass ingot makers, US cents/lb	18 Oct 2021	411 - 415	0.00%	Sep 2021	363.9 - 368.57
MB-CU-0299	Copper scrap comp borings, turnings, buying price, delivered to brass ingot makers, US cents/lb	13 Oct 2021	320 - 323	0.31%	Sep 2021	319 - 324.6
MB-CU-0419	Copper scrap red brass solids, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	230	0.00%	Sep 2021	236.5
MB-CU-0420	Copper scrap red brass turnings, borings, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	222	0.00%	Sep 2021	229

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	15 Oct 2021	175	0.00%	Sep 2021	177.5
MB-CU-0120	Copper scrap yellow brass solids, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	313	0.00%	Sep 2021	294
MB-CU-0135	Copper scrap mixed yellow brass turnings, borings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	110	0.00%	Sep 2021	110
MB-CU-0136	Copper scrap mixed yellow brass turnings, borings, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	284	0.00%	Sep 2021	256.5
MB-CU-0196	Copper scrap auto radiators (unsweated), dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	150	0.00%	Sep 2021	150
MB-CU-0197	Copper scrap auto radiators (unsweated), dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	264	0.76%	Sep 2021	243.5
MB-CU-0181	Copper scrap 70-30 brass clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	180	0.00%	Sep 2021	180
MB-CU-0042	Copper scrap light copper, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	497	11.94%	Sep 2021	427.5
MB-CU-0041	Copper scrap light copper, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	275	5.77%	Sep 2021	245
MB-CU-0058	Copper scrap red brass solids, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	389	0.26%	Sep 2021	367
MB-CU-0073	Copper scrap red brass turnings, borings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	120	0.00%	Sep 2021	120
MB-CU-0074	Copper scrap red brass turnings, borings, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	380	0.00%	Sep 2021	344.5
MB-CU-0057	Copper scrap red brass solids, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	210	0.00%	Sep 2021	210

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	06 Oct 2021	435 - 480	-2.87%	Sep 2021	440 - 501
MB-NI-0198	Nickel alloy scrap 309 stainless steel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	115 - 122	-5.20%	Sep 2021	120 - 127.5
MB-NI-0152	Nickel alloy scrap 330 stainless steel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	182 - 195	-3.08%	Sep 2021	189 - 200
MB-NI-0197	Nickel alloy scrap Inconel 600 scrap, solids, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	535 - 571	-4.57%	Sep 2021	547.5 - 602
MB-NI-0154	Nickel alloy scrap Inconel 601 scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	305 - 335	-1.54%	Sep 2021	310 - 340
MB-NI-0151	Nickel alloy scrap 310 stainless steel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	119 - 125	-2.79%	Sep 2021	121 - 130
MB-NI-0200	Nickel alloy scrap 330 stainless steel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	260 - 281	-5.25%	Sep 2021	270 - 295.5
MB-NI-0199	Nickel alloy scrap 310 stainless steel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	170 - 180	-2.78%	Sep 2021	171.5 - 187
MB-NI-0150	Nickel alloy scrap 309 stainless steel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	83 - 85	-1.18%	Sep 2021	84 - 86
MB-NI-0149	Nickel alloy scrap Inconel 600 scrap, solids, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	375 - 400	-2.15%	Sep 2021	382 - 410
MB-NI-0155	Nickel scrap 17-4PH stainless steel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	28 - 32	-1.64%	Sep 2021	28 - 33
MB-NI-0201	Nickel scrap Invar scrap solids, clips, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	245 - 281	-6.57%	Sep 2021	262.5 - 292
MB-NI-0153	Nickel scrap Invar scrap solids, clips, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	170 - 185	-7.79%	Sep 2021	185 - 200
MB-NI-0193	Nickel scrap nickel turnings, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	650 - 740	-5.44%	Sep 2021	687.5 - 797.5
MB-NI-0145	Nickel scrap nickel turnings, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	455 - 515	-5.64%	Sep 2021	482 - 546
MB-NI-0192	Nickel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	695 - 760	-5.21%	Sep 2021	732.5 - 822.5
MB-NI-0144	Nickel scrap solids, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	485 - 530	-5.41%	Sep 2021	508 - 565
MB-NI-0196	Nickel-copper scrap Monel K-500 (castings) solids, clips, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	400 - 440	-6.15%	Sep 2021	405 - 479
MB-NI-0148	Nickel-copper scrap Monel K-500 (castings) solids, clips, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	275 - 294	-6.41%	Sep 2021	301 - 307
MB-NI-0194	Nickel-copper scrap Monel R-400 scrap solids, clips, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	420 - 490	-5.21%	Sep 2021	450 - 529
MB-NI-0146	Nickel-copper scrap Monel R-400 scrap solids, clips, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	290 - 315	-4.12%	Sep 2021	315 - 316
MB-NI-0195	Nickel-copper scrap Monel scrap turnings, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	300 - 325	-8.09%	Sep 2021	300 - 396.5
MB-NI-0147	Nickel-copper scrap Monel scrap turnings, dealer buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	210 - 225	-2.90%	Sep 2021	210 - 238
MB-NI-0203	Nickel scrap 17-4PH stainless steel scrap solids, broker buying price, delivered to yard Chicago, US cents/lb	06 Oct 2021	35 - 45	-5.88%	Sep 2021	39.5 - 46.5

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	06 Oct 2021	255 - 278	-5.66%	Sep 2021	275 - 290
MB-NI-0162	Nickel alloy scrap 309 stainless steel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	70 - 85	-8.82%	Sep 2021	84 - 86
MB-NI-0167	Nickel scrap 17-4PH stainless steel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	28 - 32	-1.64%	Sep 2021	28 - 33
MB-NI-0214	Nickel alloy scrap Inconel 601 scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	435 - 480	-2.87%	Sep 2021	446 - 495
MB-NI-0211	Nickel alloy scrap 310 stainless steel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	165 - 180	-5.99%	Sep 2021	177.5 - 187
MB-NI-0164	Nickel alloy scrap 330 stainless steel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	152 - 195	-10.80%	Sep 2021	189 - 200
MB-NI-0161	Nickel alloy scrap Inconel 600 scrap, solids, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	309 - 400	-10.48%	Sep 2021	382 - 410
MB-NI-0210	Nickel alloy scrap 309 stainless steel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	117 - 122	-5.91%	Sep 2021	123.5 - 127.5
MB-NI-0209	Nickel alloy scrap Inconel 600 scrap, solids, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	515 - 570	-5.24%	Sep 2021	555 - 587.5
MB-NI-0166	Nickel alloy scrap Inconel 601 scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	245 - 335	-10.77%	Sep 2021	310 - 340
MB-NI-0163	Nickel alloy scrap 310 stainless steel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	99 - 125	-10.76%	Sep 2021	121 - 130
MB-NI-0213	Nickel scrap Invar scrap solids, clips, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	245 - 265	-6.42%	Sep 2021	265 - 280
MB-NI-0165	Nickel scrap Invar scrap solids, clips, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	147 - 185	-13.77%	Sep 2021	185 - 200
MB-NI-0205	Nickel scrap nickel turnings, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	518 - 740	-12.03%	Sep 2021	642.5 - 797.5
MB-NI-0157	Nickel scrap nickel turnings, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	345 - 515	-16.34%	Sep 2021	482 - 546
MB-NI-0204	Nickel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	575 - 760	-9.18%	Sep 2021	672.5 - 812.5
MB-NI-0156	Nickel scrap solids, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	360 - 530	-17.06%	Sep 2021	508 - 565
MB-NI-0208	Nickel-copper scrap Monel K-500 (castings) solids, clips, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	400 - 420	-6.29%	Sep 2021	405 - 420
MB-NI-0160	Nickel-copper scrap Monel K-500 (castings) solids, clips, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	275 - 294	-6.41%	Sep 2021	301 - 307
MB-NI-0206	Nickel-copper scrap Monel R-400 scrap solids, clips, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	420 - 455	-5.41%	Sep 2021	450 - 480
MB-NI-0158	Nickel-copper scrap Monel R-400 scrap solids, clips, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	258 - 315	-9.19%	Sep 2021	315 - 316
MB-NI-0207	Nickel-copper scrap Monel scrap turnings, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	300 - 350	-1.52%	Sep 2021	300 - 370
MB-NI-0159	Nickel-copper scrap Monel scrap turnings, dealer buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	210 - 225	-2.90%	Sep 2021	210 - 238
MB-NI-0215	Nickel scrap 17-4PH stainless steel scrap solids, broker buying price, delivered to yard Detroit, US cents/lb	06 Oct 2021	42 - 50	4.55%	Sep 2021	39 - 51

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	06 Oct 2021	100 - 110	-4.11%	Sep 2021	106 - 115
MB-NI-0178	Nickel alloy scrap Inconel 601 scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	359 - 360	-4.01%	Sep 2021	374 - 375
MB-NI-0175	Nickel alloy scrap 310 stainless steel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	139 - 140	9.41%	Sep 2021	120 - 135
MB-NI-0227	Nickel scrap 17-4PH stainless steel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	42 - 43	-4.49%	Sep 2021	44 - 45
MB-NI-0174	Nickel alloy scrap 309 stainless steel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	79 - 80	6.00%	Sep 2021	74 - 76
MB-NI-0224	Nickel alloy scrap 330 stainless steel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	258 - 280	-4.44%	Sep 2021	273 - 296
MB-NI-0221	Nickel alloy scrap Inconel 600 scrap, solids, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	618 - 619	0.00%	Sep 2021	596 - 597
MB-NI-0179	Nickel scrap 17-4PH stainless steel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	18 - 19	-13.95%	Sep 2021	21 - 22
MB-NI-0226	Nickel alloy scrap Inconel 601 scrap solids, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	474 - 475	-6.13%	Sep 2021	505 - 506
MB-NI-0223	Nickel alloy scrap 310 stainless steel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	157 - 175	-3.49%	Sep 2021	165.5 - 182
MB-NI-0176	Nickel alloy scrap 330 stainless steel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	200 - 235	0.00%	Sep 2021	200 - 235
MB-NI-0173	Nickel alloy scrap Inconel 600 scrap, solids, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	395 - 450	7.10%	Sep 2021	394 - 395
MB-NI-0225	Nickel scrap Invar scrap solids, clips, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	258 - 275	-3.62%	Sep 2021	276.5 - 278
MB-NI-0177	Nickel scrap Invar scrap solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	200 - 230	0.00%	Sep 2021	200 - 230
MB-NI-0217	Nickel scrap nickel turnings, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	579 - 580	0.00%	Sep 2021	579 - 580
MB-NI-0169	Nickel scrap nickel turnings, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	409 - 410	0.00%	Sep 2021	409 - 410
MB-NI-0216	Nickel scrap solids, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	689 - 690	0.00%	Sep 2021	689 - 690
MB-NI-0168	Nickel scrap solids, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	514 - 515	0.00%	Sep 2021	514 - 515
MB-NI-0220	Nickel-copper scrap Monel K-500 (castings) solids, clips, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	517 - 520	-3.71%	Sep 2021	537 - 548
MB-NI-0172	Nickel-copper scrap Monel K-500 (castings) solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	364 - 365	-5.94%	Sep 2021	385 - 390
MB-NI-0218	Nickel-copper scrap Monel R-400 scrap solids, clips, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	532 - 545	-3.67%	Sep 2021	559 - 567
MB-NI-0170	Nickel-copper scrap Monel R-400 scrap solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	269 - 270	-33.87%	Sep 2021	400 - 415
MB-NI-0219	Nickel-copper scrap Monel scrap turnings, broker buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	330 - 430	-5.00%	Sep 2021	350 - 450
MB-NI-0171	Nickel-copper scrap Monel scrap turnings, dealer buying price, delivered to yard Houston, US cents/lb	06 Oct 2021	319 - 320	10.17%	Sep 2021	250 - 330

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	06 Oct 2021	425 - 480	-4.74%	Sep 2021	450 - 500.5
MB-NI-0235	Nickel alloy scrap 310 stainless steel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	150 - 183	-8.77%	Sep 2021	177.5 - 187.5
MB-NI-0188	Nickel alloy scrap 330 stainless steel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	125 - 200	0.00%	Sep 2021	125 - 200
MB-NI-0185	Nickel alloy scrap Inconel 600 scrap, solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	370 - 475	-0.59%	Sep 2021	375 - 475
MB-NI-0191	Nickel scrap 17-4PH stainless steel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	22 - 32	-1.82%	Sep 2021	22 - 33
MB-NI-0187	Nickel alloy scrap 310 stainless steel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	75 - 125	-2.44%	Sep 2021	75 - 130
MB-NI-0234	Nickel alloy scrap 309 stainless steel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	105 - 122	-7.35%	Sep 2021	115 - 127.5
MB-NI-0239	Nickel scrap 17-4PH stainless steel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	35 - 45	-6.98%	Sep 2021	36.5 - 46.5
MB-NI-0236	Nickel alloy scrap 330 stainless steel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	260 - 285	-4.39%	Sep 2021	275 - 295
MB-NI-0233	Nickel alloy scrap Inconel 600 scrap, solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	525 - 575	-1.35%	Sep 2021	540 - 593
MB-NI-0190	Nickel alloy scrap Inconel 601 scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	305 - 375	-2.16%	Sep 2021	245 - 450
MB-NI-0186	Nickel alloy scrap 309 stainless steel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	65 - 85	-0.66%	Sep 2021	65 - 86
MB-NI-0237	Nickel scrap Invar scrap solids, clips, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	245 - 281	-7.72%	Sep 2021	270 - 295
MB-NI-0189	Nickel scrap Invar scrap solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	150 - 200	0.00%	Sep 2021	150 - 200
MB-NI-0229	Nickel scrap nickel turnings, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	650 - 740	-8.85%	Sep 2021	712.5 - 800
MB-NI-0181	Nickel scrap nickel turnings, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	400 - 525	-7.50%	Sep 2021	400 - 600
MB-NI-0228	Nickel scrap solids, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	695 - 775	-6.67%	Sep 2021	745 - 825
MB-NI-0180	Nickel scrap solids, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	485 - 585	-5.56%	Sep 2021	508 - 625
MB-NI-0232	Nickel-copper scrap Monel K-500 (castings) solids, clips, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	375 - 425	-3.61%	Sep 2021	377.5 - 462.5
MB-NI-0184	Nickel-copper scrap Monel K-500 (castings) solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	275 - 325	-10.45%	Sep 2021	301 - 369
MB-NI-0230	Nickel-copper scrap Monel R-400 scrap solids, clips, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	400 - 455	-1.72%	Sep 2021	410 - 490
MB-NI-0182	Nickel-copper scrap Monel R-400 scrap solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	290 - 350	-7.25%	Sep 2021	315 - 375
MB-NI-0231	Nickel-copper scrap Monel scrap turnings, broker buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	275 - 330	-6.92%	Sep 2021	300 - 350
MB-NI-0183	Nickel-copper scrap Monel scrap turnings, dealer buying price, delivered to yard Pittsburgh, US cents/lb	06 Oct 2021	175 - 225	-14.89%	Sep 2021	210 - 260



Lead scrap prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0004	Lead scrap buying price, delivered smelters US, \$/cwt	05 Oct 2021	80 - 85	0.00%	Sep 2021	80 - 85
MB-PB-0003	Lead scrap remelt buying price, delivered smelters US, \$/cwt	05 Oct 2021	87 - 90	0.00%	Sep 2021	87 - 90
MB-PB-0002	Lead scrap cable buying price, delivered smelters US, \$/cwt	05 Oct 2021	86 - 90	0.00%	Sep 2021	86 - 90
MB-PB-0111	Lead scrap heavy soft lead, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	45	0.00%	Sep 2021	44
MB-PB-0112	Lead scrap undrained whole batteries, dealer buying price, delivered to yard US, US cents/lb	15 Oct 2021	17	-10.53%	Sep 2021	19
MB-PB-0005	Lead scrap whole batteries buying price, delivered smelters US, \$/cwt	05 Oct 2021	29 - 32	0.00%	Sep 2021	29.5 - 32.5
MB-PB-0009	Lead scrap heavy soft lead, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	50	0.00%	Sep 2021	50
MB-PB-0010	Lead scrap heavy soft lead, dealer buying price, delivered to yard Toronto, Canadian cents/lb	15 Oct 2021	72	0.00%	Sep 2021	74
MB-PB-0033	Lead scrap undrained whole batteries, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	18	0.00%	Sep 2021	18

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	15 Oct 2021	30	0.00%	Sep 2021	34
MB-ZN-0004	Zinc scrap old zinc (clean), buying price, delivered smelters US, US cents/lb	05 Oct 2021	65 - 68	0.00%	Sep 2021	65 - 68
MB-ZN-0003	Zinc scrap new zinc clippings buying price, delivered smelters US, US cents/lb	05 Oct 2021	84 - 87	0.00%	Sep 2021	84 - 87
MB-ZN-0002	Zinc scrap galvanizers dross buying price, delivered smelters US, US cents/lb	05 Oct 2021	85 - 88	0.00%	Sep 2021	82.5 - 85.5
MB-ZN-0050	Zinc scrap old zinc, dealer buying price, delivered to yard Montreal, Canadian cents/lb	15 Oct 2021	30	0.00%	Sep 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	13 Oct 2021	1.8 - 1.9	0.00%	Sep 2021	1.8 - 1.9
MB-TI-0001	Titanium scrap turnings, unprocessed type 90/6/4, 0.5% Sn max, cif Europe, \$/lb	13 Oct 2021	1.8 - 2	0.00%	Sep 2021	1.8 - 2

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	12 Oct 2021	290 - 310	0.00%	Sep 2021	290 - 310
MB-CHO-0003	Chrome ore South Africa UG2 concentrates index basis 42%, cif China, \$/tonne	12 Oct 2021	163	-0.61%	Sep 2021	164.25
MB-FEC-0001	Ferro-chrome low phosphorous, min 65% Cr, max 0.015% P, delivered Europe, \$/lb	12 Oct 2021	1.71 - 1.88	2.27%	Sep 2021	1.65 - 1.82
MB-FEC-0002	Ferro-chrome low carbon, 65% Cr, max 0.06% C, delivered Europe, \$/lb Cr	12 Oct 2021	3.09 - 3.29	3.57%	Sep 2021	2.88 - 3.18
MB-FEC-0003	Ferro-chrome 0.10% C, average 65-70% Cr, delivered Europe, \$/lb Cr	12 Oct 2021	3.05 - 3.25	3.62%	Sep 2021	2.84 - 3.14
MB-FEC-0004	Ferro-chrome high carbon 6-8.5% C, basis 60-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	12 Oct 2021	1.62 - 1.8	0.00%	Sep 2021	1.54 - 1.75
MB-FEC-0005	Ferro-chrome contract 6-8% C, basis 50% Cr, ddp China, yuan/tonne	12 Oct 2021	9745 - 9995	0.00%	Sep 2021	9745 - 9995
MB-FEC-0006	Ferro-chrome spot 6-8% C, basis 50% Cr, ddp China, yuan/tonne	12 Oct 2021	11100 - 12000	2.21%	Sep 2021	10225 - 10575
MB-FEC-0007	Ferro-chrome high carbon 6-8% C, basis 60-65% Cr, max 2% Si, in-whs Pittsburgh, US cents/lb	14 Oct 2021	182 - 193	0.00%	Sep 2021	168 - 176
MB-FEC-0008	Ferro-chrome low carbon 0.05%C, 65% Cr min, in-whs Pittsburgh, US cents/lb	14 Oct 2021	330 - 335	1.53%	Sep 2021	304 - 309
MB-FEC-0009	Ferro-chrome low carbon 0.10%C, 62% Cr min, in-whs Pittsburgh, US cents/lb	14 Oct 2021	320 - 325	1.57%	Sep 2021	294 - 299
MB-FEC-0010	Ferro-chrome low carbon 0.15%C, 60% Cr min, in-whs Pittsburgh, US cents/lb	14 Oct 2021	310 - 315	0.00%	Sep 2021	286 - 291
MB-FEC-0011	Ferro-chrome 50% Cr import, cif main Chinese ports, \$/lb contained Cr	12 Oct 2021	1.32	0.00%	Sep 2021	1.26
MB-FEC-0012	Ferro-chrome high carbon 6-8% C, basis 60-65% Cr, max 2% Si, in-whs Pittsburgh, \$/lb	14 Oct 2021	1.82 - 1.93	0.00%	Sep 2021	
MB-FEC-0013	Ferro-chrome low carbon 0.05%C, 65% Cr min, in-whs Pittsburgh, \$/lb	14 Oct 2021	3.3 - 3.35	1.52%	Sep 2021	
MB-FEC-0014	Ferro-chrome low carbon 0.10%C, 62% Cr min, in-whs Pittsburgh, \$/lb	14 Oct 2021	3.2 - 3.25	1.57%	Sep 2021	
MB-FEC-0015	Ferro-chrome low carbon 0.15%C, 60% Cr min, in-whs Pittsburgh, \$/lb	14 Oct 2021	3.1 - 3.15	0.00%	Sep 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%	Sep 2021	1.56
MB-FEC-0017	Ferro-chrome high carbon 57-65% Cr, cif dup Japan, \$/lb	07 Oct 2021	1.22 - 1.25	0.00%	Sep 2021	1.22 - 1.25
MB-FEC-0018	Ferro-chrome high carbon 57-65% Cr, cif dup South Korea, \$/lb	07 Oct 2021	1.21 - 1.24	0.00%	Sep 2021	1.21 - 1.24
MB-FEC-0019	Ferro-chrome lumpy Cr benchmark indicator, charge basis 52% (and high carbon), Europe, \$/lb	12 Oct 2021	1.86	0.00%	Sep 2021	1.83
MB-FEC-0020	Ferro-chrome high carbon 6-8.5% C, basis 60-64.9% Cr, max 3% Si, cif Europe, \$/lb Cr	12 Oct 2021	1.41 - 1.47	0.00%	Sep 2021	1.36 - 1.46
MB-FEC-0021	Ferro-chrome high carbon 6-8.5% C, basis 65-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	12 Oct 2021	1.62 - 1.8	0.00%	Sep 2021	1.54 - 1.75

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	14 Oct 2021	2500 - 2550	0.00%	Sep 2021	2450 - 2500
MB-FEM-0002	Ferro-manganese low carbon 80% Mn, max 0.80% C, in-whs Pittsburgh, US cents/lb	14 Oct 2021	315 - 320	33.68%	Sep 2021	219.8 - 228
MB-FEM-0004	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	14 Oct 2021	1.95 - 2	0.00%	Sep 2021	
MB-FEM-0006	Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	15 Oct 2021	1900 - 2000	2.63%	Sep 2021	1575 - 1675
MB-FEM-0007	Ferro-manganese 65% Mn min, max 7% C, in-whs China, yuan/tonne	15 Oct 2021	11000 - 11300	-5.11%	Sep 2021	8875 - 9275
MB-MNO-0001	Manganese ore 44% Mn, cif Tianjin, \$/dmu	15 Oct 2021	5.5	2.80%	Sep 2021	5.2
MB-MNO-0002	Manganese ore 37% Mn, fob Port Elizabeth, \$/dmu	15 Oct 2021	3.07	5.50%	Sep 2021	2.89
MB-MNO-0003	Manganese ore index 37% Mn, cif Tianjin, \$/dmu	15 Oct 2021	4.74	3.27%	Sep 2021	4.52
MB-MNO-0004	Manganese ore port index, base 37% Mn, range 35-39%, fot Tianjin China, yuan/dmu	15 Oct 2021	36.1	4.34%	Sep 2021	34.3
MB-MNO-0005	Manganese ore port index, base 44% Mn, range 42-48%, fot Tianjin China, yuan/dmu	15 Oct 2021	44.6	7.73%	Sep 2021	40.08
MB-SIM-0001	Silico-manganese 65% Mn min, max 17% Si, in-whs China, yuan/tonne	15 Oct 2021	12000 - 12500	0.00%	Sep 2021	8875 - 9300
MB-SIM-0002	Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	15 Oct 2021	1900 - 2000	0.00%	Sep 2021	1585 - 1635
MB-SIM-0004	Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	15 Oct 2021	1850 - 1950	-2.56%	Sep 2021	1410 - 1440
MB-SIM-0005	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	14 Oct 2021	1.18 - 1.2	0.00%	Sep 2021	

Ferro-silicon prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FES-0001	Ferro-silicon 75% Si min, in-whs China, yuan/tonne	13 Oct 2021	20000 - 21000	-8.89%	Sep 2021	14660 - 15500
MB-FES-0002	Ferro-silicon 75% Si, in-whs Pittsburgh, US cents/lb	14 Oct 2021	305 - 315	10.71%	Sep 2021	215 - 224.4
MB-FES-0003	Ferro-silicon 75% Si, in-whs Pittsburgh, \$/lb	14 Oct 2021	3.05 - 3.15	10.71%	Sep 2021	
MB-FES-0004	Ferro-silicon 75% Si min export, fob China, \$/tonne	13 Oct 2021	4300 - 4400	-3.33%	Sep 2021	2964 - 3090
MB-FES-0005	Ferro-silicon lumpy basis 75% Si (scale pro rata), delivered Europe, €/tonne	15 Oct 2021	4000 - 4200	0.00%	Sep 2021	2072.5 - 2250
MB-FES-0006	Ferro-silicon 75% Si min, cif Japan, \$/tonne	13 Oct 2021	4330 - 4430	-2.67%	Sep 2021	2990 - 3126

Tungsten prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEU-0001	Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W	15 Oct 2021	37 - 38.5	0.00%	Sep 2021	38.89 - 40.44
MB-FEU-0003	Ferro-tungsten export, min 75% fob China, \$/kg W	13 Oct 2021	38.5 - 40	-1.51%	Sep 2021	39.32 - 40.28
MB-W-0001	Tungsten APT 88.5% WO3 min cif Rotterdam and Baltimore duty-free, \$/mtu WO3	15 Oct 2021	315 - 320	0.00%	Sep 2021	311 - 316.5
MB-W-0002	Tungsten concentrate 65% WO3, in-whs China, yuan/tonne	13 Oct 2021	111000 - 113000	0.90%	Sep 2021	110400 - 111600
MB-W-0003	Tungsten APT 88.5% WO3 min, fob main ports China, \$/mtu WO3	13 Oct 2021	309 - 319	1.62%	Sep 2021	303.2 - 308.8

Vanadium & niobium prices



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEV-0003	Ferro-vanadium 78% V min, fob China, \$/kg V	14 Oct 2021	29.64 - 30.24	6.40%	Sep 2021	31.61 - 32.21
MB-FEV-0001	Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V	15 Oct 2021	31 - 32	0.80%	Sep 2021	34 - 35.89
MB-FEV-0002	Ferro-vanadium 70-80% V, in-whs Pittsburgh, \$/lb	14 Oct 2021	14.85 - 15.5	0.00%	Sep 2021	16.26 - 16.7
MB-V-0001	Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5	15 Oct 2021	7.5 - 8.5	0.00%	Sep 2021	8.65 - 9.45
MB-V-0002	Vanadium pentoxide 98% V2O5 min, fob China, \$/lb V2O5	14 Oct 2021	6.7 - 7.04	7.01%	Sep 2021	7.4 - 7.51
MB-V-0004	Vanadium pentoxide 98% V2O5 min, exw China, yuan/tonne	14 Oct 2021	95000 - 100000	6.56%	Sep 2021	105400 - 107000
MB-V-0003	Vanadium nitrogen, basis 77%V, 16% N, exw China, yuan/tonne	14 Oct 2021	147000 - 150000	6.07%	Sep 2021	157200 - 160200
MB-FN-0001	Ferro-niobium 63-67% delivered consumer works, dp, Europe \$ per kg Nb	13 Oct 2021	44 - 46	0.00%	Sep 2021	45 - 47.8

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	27 Sep 2021	(600) - (400)		Sep 2021	(600) - (400)
MB-FET-0001	Ferro-titanium 70% Ti, max 4.5% Al, ddp Europe, \$/kg Ti	13 Oct 2021	7.7 - 8.2	0.63%	Sep 2021	7.7 - 8.1
MB-FET-0002	Ferro-titanium 68-72% Ti, ex-whs US, \$/lb	14 Oct 2021	3.6 - 3.7	0.00%	Sep 2021	3.56 - 3.7

Molybdenum prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEO-0001	Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo	15 Oct 2021	45 - 45.65	1.07%	Sep 2021	44.48 - 45.56
MB-FEO-0002	Ferro-molybdenum 65-70% Mo, in-whs Pittsburgh, \$/lb	14 Oct 2021	21.75 - 22.5	1.14%	Sep 2021	21.3 - 22.11
MB-FEO-0003	Molybdenum drummed molybdic oxide 57% Mo min, in-whs Rotterdam, \$/lb Mo	15 Oct 2021	19.6 - 19.8	0.51%	Sep 2021	20.12 - 20.32
MB-FEO-0004	Molybdenum MB drummed molybdic oxide Mo, in-whs Busan, \$/lb	15 Oct 2021	19 - 19.2	0.53%	Sep 2021	18.91 - 19.19
MB-MO-0001	Molybdenum canned molybdic oxide, in-whs Pittsburgh, \$/lb	14 Oct 2021	19 - 19.5	1.32%	Sep 2021	19.23 - 20.14

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	18 Oct 2021	1005	-0.25%	Sep 2021	1089.45
MB-STE-0046	Steel hot-rolled coil import, cfr main port Northern Europe, €/tonne	13 Oct 2021	850 - 870	1.18%	Sep 2021	925 - 950
MB-STE-0047	Steel hot-rolled coil import, cfr main port Southern Europe, €/tonne	13 Oct 2021	800 - 850	0.00%	Sep 2021	821 - 868
MB-STE-0532	Steel hot-rolled coil domestic, exw Central Europe, €/tonne	13 Oct 2021	900 - 970	0.00%	Sep 2021	1018 - 1052
MB-STE-0892	Steel hot-rolled coil index domestic, exw Italy, €/tonne	18 Oct 2021	905	-0.18%	Sep 2021	994.89
MB-STE-0893	Steel hot-rolled coil domestic, exw Spain, €/tonne	13 Oct 2021	1000 - 1050	-3.30%	Sep 2021	1080 - 1114
MB-STE-0107	Steel hot-rolled coil export, fob main port Turkey, \$/tonne	15 Oct 2021	880 - 910	1.99%	Sep 2021	915 - 952.5
MB-STE-0105	Steel hot-rolled coil import, cfr main port Turkey, \$/tonne	15 Oct 2021	850 - 860	3.64%	Sep 2021	878.75 - 902.5
MB-STE-0108	Steel hot-rolled coil domestic, exw Turkey, \$/tonne	15 Oct 2021	880 - 910	2.87%	Sep 2021	915 - 947.5
MB-STE-0014	Steel hot-rolled coil export, fob Black Sea, CIS, \$/tonne	18 Oct 2021	820 - 840	2.47%	Sep 2021	846.25 - 868.75
MB-STE-0065	Steel hot-rolled sheet domestic, cpt Moscow, Russia, rubles/tonne incl. VAT	18 Oct 2021	70000 - 72000	3.65%	Sep 2021	73000
MB-STE-0468	Steel hot-rolled coil index, fob mill US, \$/short ton	18 Oct 2021	1925	0.82%	Sep 2021	
MB-STE-0184	Steel hot-rolled coil index, fob mill US, \$/cwt	18 Oct 2021	96.25	0.82%	Sep 2021	97.46
MB-STE-0180	Steel hot-rolled coil, import, ddp Houston, \$/short ton	13 Oct 2021	1480 - 1540	0.67%	Sep 2021	1490 - 1550
MB-STE-0007	Steel hot-rolled coil domestic monthly, exw Brazil, reais/tonne	08 Oct 2021	6865 - 7505	-6.08%	Sep 2021	7500 - 7800
MB-STE-0133	Steel hot-rolled coil (dry) export, fob main port Latin America, \$/tonne	15 Oct 2021	910 - 960	-5.08%	Sep 2021	1038.75 - 1055
MB-STE-0102	Steel hot-rolled coil import, cfr main ports South America, \$/tonne	15 Oct 2021	1020 - 1085	-1.17%	Sep 2021	1027.5 - 1108.75
MB-STE-0444	Steel hot-rolled coil import, cfr main port India, \$/tonne	15 Oct 2021	740 - 745	0.00%	Sep 2021	740 - 745
MB-STE-0445	Steel hot-rolled coil (CR grade) import, cfr main port India, \$/tonne	15 Oct 2021	745 - 750	0.00%	Sep 2021	745 - 750
MB-STE-0442	Steel hot-rolled coil (commodity) export, fob main port India, \$/tonne	15 Oct 2021	860 - 870	2.37%	Sep 2021	845 - 865
MB-STE-0436	Steel hot-rolled coil domestic, ex-whse India, rupees/tonne	15 Oct 2021	66500 - 67550	0.00%	Sep 2021	65500 - 66500
MB-STE-0158	Steel hot-rolled coil domestic, exw Northern China, yuan/tonne	15 Oct 2021	5720 - 5780	-0.69%	Sep 2021	5718 - 5760
MB-STE-0144	Steel hot-rolled coil index export, fob main port China, \$/tonne	18 Oct 2021	915.92	-1.08%	Sep 2021	922.15
MB-STE-0154	Steel hot-rolled coil domestic, ex-whs Eastern China, yuan/tonne	18 Oct 2021	5700 - 5800	-0.78%	Sep 2021	5746.5 - 5797.5
MB-STE-0139	Steel hot-rolled coil import, cfr Vietnam, \$/tonne	15 Oct 2021	870 - 880	0.00%	Sep 2021	885 - 897.5
MB-STE-0888	Steel hot-rolled coil (Japan, Korea, Taiwan-origin), import, cfr Vietnam, \$/tonne	15 Oct 2021	930	0.00%	Sep 2021	930 - 932.5
MB-STE-0125	Steel hot-rolled coil import, cfr Jebel Ali, UAE, \$/tonne	12 Oct 2021	900 - 930	2.23%	Sep 2021	932.5 - 947.5
MB-STE-0113	Steel hot-rolled coil import, cfr Saudi Arabia, \$/tonne	12 Oct 2021	910 - 930	-0.54%	Sep 2021	940 - 972.5

Cold-rolled steel prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0005	Steel cold-rolled coil domestic monthly, exw Brazil, reais/tonne	08 Oct 2021	7915 - 8510	-4.12%	Sep 2021	8510 - 8620
MB-STE-0012	Steel cold-rolled coil export, fob Black Sea, CIS, \$/tonne	18 Oct 2021	920 - 940	2.76%	Sep 2021	963.75 - 972.5



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0026	Steel cold-rolled coil domestic, exw Northern Europe, €/tonne	13 Oct 2021	1150 - 1180	-2.51%	Sep 2021	1268 - 1288
MB-STE-0027	Steel cold-rolled coil domestic, exw Southern Europe, €/tonne	13 Oct 2021	1120 - 1150	-2.99%	Sep 2021	1212 - 1246
MB-STE-0044	Steel cold-rolled coil import, cfr main port Northern Europe, €/tonne	13 Oct 2021	960 - 1000	2.62%	Sep 2021	1053 - 1063
MB-STE-0045	Steel cold-rolled coil import, cfr main port Southern Europe, €/tonne	13 Oct 2021	950 - 1000	5.41%	Sep 2021	1020 - 1050
MB-STE-0064	Steel cold-rolled sheet domestic, cpt Moscow, Russia, rubles/tonne incl. VAT	18 Oct 2021	80000	4.10%	Sep 2021	84250 - 84500
MB-STE-0103	Steel cold-rolled coil import, cfr main ports South America, \$/tonne	15 Oct 2021	1100 - 1150	-2.60%	Sep 2021	1135 - 1170
MB-STE-0106	Steel cold-rolled coil import, cfr main port Turkey, \$/tonne	15 Oct 2021	990 - 1000	0.00%	Sep 2021	997.5 - 1005
MB-STE-0109	Steel cold-rolled coil domestic, exw Turkey, \$/tonne	15 Oct 2021	1050 - 1100	6.97%	Sep 2021	1080 - 1097.5
MB-STE-0124	Steel cold-rolled coil import, cfr Jebel Ali, UAE, \$/tonne	12 Oct 2021	1030 - 1050	4.52%	Sep 2021	1015 - 1027.5
MB-STE-0132	Steel cold-rolled coil export, fob main port Latin America, \$/tonne	15 Oct 2021	1000 - 1020	-5.16%	Sep 2021	1176.25 - 1245
MB-STE-0145	Steel cold-rolled coil export, fob China main port, \$/tonne	12 Oct 2021	1015 - 1030	1.24%	Sep 2021	1012.5 - 1027.5
MB-STE-0153	Steel cold-rolled coil domestic, delivered Eastern China domestic, yuan/tonne	15 Oct 2021	6480 - 6500	-0.38%	Sep 2021	6436 - 6488
MB-STE-0181	Steel cold-rolled coil, import, ddp Houston, \$/short ton	13 Oct 2021	1530 - 1610	-1.26%	Sep 2021	1600 - 1640
MB-STE-0185	Steel cold-rolled coil, fob mill US, \$/cwt	14 Oct 2021	110	0.00%	Sep 2021	109.1
MB-STE-0435	Steel cold-rolled coil domestic, ex-whse India, rupees/tonne	15 Oct 2021	76500 - 78000	0.16%	Sep 2021	76625 - 78250
MB-STE-0443	Steel cold-rolled coil import, cfr main port India, \$/tonne	15 Oct 2021	960 - 970	0.00%	Sep 2021	960 - 970
MB-STE-0469	Steel cold-rolled coil, fob mill US, \$/short ton	14 Oct 2021	2200	0.00%	Sep 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	14 Oct 2021	110	0.46%	Sep 2021	109.1
MB-STE-0780	Steel hot-dipped galvanized export, fob Turkey, \$/tonne	15 Oct 2021	1195 - 1250	5.84%	Sep 2021	1205 - 1222.5
MB-STE-0434	Steel hot-dipped galvanized coil domestic, ex-whse India, rupees/tonne	15 Oct 2021	80500 - 81500	0.00%	Sep 2021	81625 - 82625
MB-STE-0470	Steel hot-dipped galvanized (base) steel coil, fob mill US, \$/short ton	14 Oct 2021	2200	0.00%	Sep 2021	
MB-STE-0031	Steel hot-dipped galvanized coil domestic, exw Southern Europe, €/tonne	13 Oct 2021	1130 - 1160	-3.78%	Sep 2021	1228 - 1260
MB-STE-0104	Steel hot-dipped galvanized coil import, cfr main ports South America, \$/tonne	15 Oct 2021	1185 - 1260	-1.21%	Sep 2021	1212.5 - 1247.5
MB-STE-0091	Steel hot-dipped galvanized coil import, cfr main port Northern Europe, €/tonne	13 Oct 2021	1040 - 1125	-4.63%	Sep 2021	1128 - 1178
MB-STE-0021	Steel hot-dipped galvanized coil domestic, ex-whs Eastern China, yuan/tonne	15 Oct 2021	6720 - 6780	-1.10%	Sep 2021	6764 - 6802
MB-STE-0110	Steel hot-dipped galvanized coil domestic, exw Turkey, \$/tonne	15 Oct 2021	1195 - 1250	5.84%	Sep 2021	1200 - 1225
MB-STE-0048	Steel hot-dipped galvanized coil import, cfr main port Southern Europe, €/tonne	13 Oct 2021	1030 - 1100	-0.93%	Sep 2021	1082 - 1154
MB-STE-0030	Steel hot-dipped galvanized coil domestic, exw Northern Europe, €/tonne	13 Oct 2021	1160 - 1180	-2.90%	Sep 2021	1276 - 1308
MB-STE-0123	Steel hot-dipped-galvanized coil import, cfr Jebel Ali, UAE, \$/tonne	12 Oct 2021	1150 - 1200	1.08%	Sep 2021	1173.75 - 1260
MB-STE-0186	Steel hot-dipped galvanized coil (cold-rolled base), fob mill US, \$/cwt	14 Oct 2021	110	0.00%	Sep 2021	109.6
MB-STE-0006	Steel hot-dipped galvanized coil domestic monthly, exw Brazil, reais/tonne	08 Oct 2021	9560 - 10190	0.00%	Sep 2021	9560 - 10190



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0441	Steel hot-dipped galvanized coil export, fob main port India, \$/tonne	15 Oct 2021	1120 - 1150	-6.20%	Sep 2021	1212.5 - 1235
MB-STE-0182	Steel hot-dipped galvanized 0.012 inch G30, ddp Houston, \$/short ton	13 Oct 2021	1700 - 1760	-3.35%	Sep 2021	1820 - 1886.67
MB-STE-0212	Steel hot-dipped galvanized coil 0.03-0.13 inch G90 (cold-rolled base), fob mill US, \$/cwt	14 Oct 2021	114.75	0.00%	Sep 2021	114.35
MB-STE-0009	Steel galvanized coil 1mm export, fob main port China, \$/tonne	12 Oct 2021	1055 - 1070	0.47%	Sep 2021	1052.5 - 1071.25
MB-STE-0111	Steel prepainted galvanized domestic, exw Turkey, \$/tonne	15 Oct 2021	1295 - 1320	4.18%	Sep 2021	1280 - 1292.5
MB-STE-0187	Steel coil Galvalume, fob mill US, \$/cwt	21 Sep 2021	106	3.92%	Sep 2021	106
MB-STE-0850	Steel coil Galvalume import, cfr main ports South America, \$/tonne	15 Oct 2021	1330 - 1380	0.37%	Sep 2021	1297.5 - 1340

Steel plate prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0013	Steel heavy plate 8-50mm export, fob Black Sea, CIS, \$/tonne	18 Oct 2021	900 - 910	0.00%	Sep 2021	963.75 - 985
MB-STE-0034	Steel domestic plate 8-40mm, exw Northern Europe, €/tonne	13 Oct 2021	940 - 970	-1.55%	Sep 2021	980 - 1012
MB-STE-0035	Steel domestic plate 8-40mm, exw Southern Europe, €/tonne	13 Oct 2021	850 - 860	-1.16%	Sep 2021	894 - 914
MB-STE-0049	Steel plate (8-40mm) import, cfr main port Northern Europe, €/tonne	13 Oct 2021	820 - 840	-1.78%	Sep 2021	850 - 864
MB-STE-0050	Steel plate (8-40mm) import, cfr main port Southern Europe, €/tonne	13 Oct 2021	820 - 840	-1.78%	Sep 2021	850 - 864
MB-STE-0101	Steel plate import, cfr main ports South America, \$/tonne	15 Oct 2021	1065 - 1090	-0.23%	Sep 2021	1050 - 1085
MB-STE-0134	Steel heavy plate (thicker than 10mm) export, fob main port Latin America, \$/tonne	15 Oct 2021	990 - 1000	-0.50%	Sep 2021	1000 - 1050
MB-STE-0146	Steel heavy plate export, fob China main port, \$/tonne	12 Oct 2021	925 - 940	3.32%	Sep 2021	903.75 - 916.25
MB-STE-0155	Steel plate domestic, delivered whs Eastern China, yuan/tonne	15 Oct 2021	5750 - 5800	-0.60%	Sep 2021	5620 - 5672
MB-STE-0172	Steel cut-to-length plate carbon grade, fob mill US, \$/cwt	15 Oct 2021	89	0.00%	Sep 2021	87.25
MB-STE-0179	Steel medium plate, import, ddp Houston, \$/short ton	13 Oct 2021	1560 - 1620	-2.75%	Sep 2021	1536.67 - 1593.33
MB-STE-0437	Steel heavy plate domestic, ex-whse India, rupees/tonne	15 Oct 2021	65000 - 67500	0.00%	Sep 2021	61250 - 65000
MB-STE-0439	Steel heavy plate 12-40mm export, fob main port India, \$/tonne	15 Oct 2021	875 - 885	0.00%	Sep 2021	873.75 - 880
MB-STE-0446	Steel heavy plate 10-40mm import, cfr main port India, \$/tonne	15 Oct 2021	730 - 735	0.00%	Sep 2021	730 - 735
MB-STE-0467	Steel cut-to-length plate carbon grade, fob mill US, \$/short ton	15 Oct 2021	1780	0.00%	Sep 2021	
MB-STE-0514	Steel plate domestic, cpt Moscow, Russia, rubles/tonne incl. VAT	18 Oct 2021	70000	0.00%	Sep 2021	73000 - 77500

Reinforcing bar (rebar) prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0008	Steel reinforcing bar (rebar) domestic monthly, delivered Brazil, reais/tonne	08 Oct 2021	5055 - 5100	-2.45%	Sep 2021	5100 - 5310
MB-STE-0015	Steel reinforcing bar (rebar) export, fob Black Sea, CIS, \$/tonne	18 Oct 2021	700 - 720	3.65%	Sep 2021	698.75 - 710
MB-STE-0036	Steel reinforcing bar (rebar) domestic, delivered Northern Europe, €/tonne	13 Oct 2021	780 - 800	0.00%	Sep 2021	858 - 880
MB-STE-0037	Steel reinforcing bar (rebar) domestic, delivered Southern Europe, €/tonne	13 Oct 2021	730 - 750	2.07%	Sep 2021	744 - 775
MB-STE-0051	Steel reinforcing bar (rebar) import, cfr main EU port Northern Europe, €/tonne	13 Oct 2021	720 - 750	0.00%	Sep 2021	724 - 780
MB-STE-0052	Steel reinforcing bar (rebar) import, cfr main EU port Southern Europe, €/tonne	13 Oct 2021	660 - 700	0.00%	Sep 2021	685 - 708



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0066	Steel reinforcing bar (rebar) domestic, cpt Moscow, Russia, rubles/tonne incl. VAT	18 Oct 2021	62000	1.64%	Sep 2021	55750 - 57000
MB-STE-0073	Steel reinforcing bar (rebar) export, fob main port Southern Europe, €/tonne	13 Oct 2021	630 - 700	-1.48%	Sep 2021	733 - 758
MB-STE-0092	Steel reinforcing bar (rebar) domestic, exw Poland, zloty/tonne	15 Oct 2021	3600 - 3700	0.00%	Sep 2021	3925 - 4000
MB-STE-0112	Steel reinforcing bar (rebar) domestic, exw Egypt, E£/tonne	14 Oct 2021	14300 - 14600	0.00%	Sep 2021	14300 - 14600
MB-STE-0119	Steel reinforcing bar (rebar) export, fob main port Turkey, \$/tonne	14 Oct 2021	725 - 730	6.59%	Sep 2021	659 - 668
MB-STE-0126	Steel reinforcing bar (rebar) domestic, exw UAE, dirhams/tonne	12 Oct 2021	2300 - 2346	-2.19%	Sep 2021	2407.5 - 2510
MB-STE-0127	Steel reinforcing bar (rebar) import, cfr Jebel Ali, UAE, \$/tonne	12 Oct 2021	633 - 635	0.32%	Sep 2021	655.5 - 664.75
MB-STE-0142	Steel reinforcing bar (rebar) import, cfr Singapore, \$/tonne	18 Oct 2021	740 - 745	2.77%	Sep 2021	725.75 - 726.25
MB-STE-0147	Steel reinforcing bar (rebar) index export, fob China main port, \$/tonne	12 Oct 2021	959.29	3.66%	Sep 2021	916.05
MB-STE-0152	Steel reinforcing bar (rebar) domestic, ex-whs Eastern China, yuan/tonne	18 Oct 2021	5730 - 5770	-0.61%	Sep 2021	5539 - 5577
MB-STE-0162	Steel reinforcing bar (rebar) domestic, ex-whs Northern China, yuan/tonne	15 Oct 2021	5600 - 5650	-3.43%	Sep 2021	5374 - 5410
MB-STE-0170	Steel reinforcing bar (rebar), fob mill US, \$/cwt	13 Oct 2021	49.25	0.00%	Sep 2021	49.25
MB-STE-0171	Steel reinforcing bar (rebar), import, loaded truck Port of Houston for immediate delivery, \$/short ton	13 Oct 2021	940 - 960	0.00%	Sep 2021	942 - 964
MB-STE-0438	Steel rebar domestic, exw India, rupees/tonne	15 Oct 2021	52100 - 52200	0.87%	Sep 2021	46700 - 46900
MB-STE-0465	Steel reinforcing bar (rebar), fob mill US, \$/short ton	13 Oct 2021	985	0.00%	Sep 2021	
MB-STE-0784	Steel reinforcing bar (rebar) domestic, exw Turkey, lira/tonne	14 Oct 2021	7650 - 7800	8.80%	Sep 2021	6625 - 6727

Wire rod prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0017	Steel wire rod (mesh quality) export, fob Black Sea, CIS, \$/tonne	18 Oct 2021	810 - 820	5.16%	Sep 2021	775 - 810
MB-STE-0042	Steel wire rod (mesh quality) domestic, delivered Northern Europe, €/tonne	13 Oct 2021	800 - 820	0.00%	Sep 2021	870 - 892
MB-STE-0043	Steel wire rod (mesh quality) domestic, delivered Southern Europe, €/tonne	13 Oct 2021	750 - 780	0.00%	Sep 2021	802 - 834
MB-STE-0053	Steel wire rod (mesh quality) import, main port Northern Europe, €/tonne	13 Oct 2021	740 - 780	0.00%	Sep 2021	752 - 810
MB-STE-0054	Steel wire rod (mesh quality) import, main port Southern Europe, €/tonne	13 Oct 2021	720 - 750	0.00%	Sep 2021	736 - 758
MB-STE-0074	Steel wire rod export, fob main port Southern Europe, €/tonne	13 Oct 2021	700 - 720	-0.35%	Sep 2021	784 - 804
MB-STE-0120	Steel wire rod (mesh quality) export, fob main port Turkey, \$/tonne	14 Oct 2021	790 - 810	2.56%	Sep 2021	766 - 780
MB-STE-0130	Steel wire rod (mesh quality) export, fob main port Latin America, \$/tonne	15 Oct 2021	800 - 820	0.00%	Sep 2021	800 - 820
MB-STE-0143	Steel wire rod (low carbon) import, cfr Southeast Asia, \$/tonne	18 Oct 2021	770	1.32%	Sep 2021	741.25 - 748.75
MB-STE-0148	Steel wire rod (mesh quality) export, fob China main port, \$/tonne	12 Oct 2021	920 - 930	6.94%	Sep 2021	850 - 860
MB-STE-0164	Steel wire rod (mesh quality) domestic, ex-whs Eastern China, yuan/tonne	15 Oct 2021	5800 - 5850	-1.85%	Sep 2021	5768 - 5816
MB-STE-0192	Steel wire rod (low carbon) industrial quality, fob mill US, \$/cwt	21 Sep 2021	57.5 - 60.5	2.61%	Sep 2021	57.5 - 60.5
MB-STE-0193	Steel wire rod (high carbon), fob mill US, \$/cwt	21 Sep 2021	64.75	1.97%	Sep 2021	64.75
MB-STE-0194	Steel wire rod cold-heading quality, ddp, \$/cwt	21 Sep 2021	65	2.36%	Sep 2021	65
MB-STE-0195	Steel wire rod (low carbon) import, loaded truck Port of Houston for immediate delivery, \$/short ton	21 Sep 2021	1130 - 1230	2.61%	Sep 2021	1130 - 1230
MB-STE-0785	Steel wire rod (mesh quality) domestic, exw Turkey, lira/tonne	14 Oct 2021	8700 - 8900	7.84%	Sep 2021	7497 - 7787
MB-STE-0891	Steel wire rod (drawing quality), domestic, delivered Poland, zloty/tonne	15 Oct 2021	3800 - 3900	0.00%	Sep 2021	4025 - 4107.5



Steel beams, sections & bar prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FE-0001	Steel merchant bar export, fob main port Turkey, \$/tonne	14 Oct 2021	755 - 765	3.40%	Sep 2021	698 - 718
MB-STE-0020	Steel hollow sections ASTM A500 Grade B domestic, fob mill US, \$/short ton	14 Oct 2021	2425 - 2475	0.00%	Sep 2021	2425 - 2475
MB-STE-0024	Steel beams domestic, delivered Northern Europe, €/tonne	13 Oct 2021	980 - 1020	0.00%	Sep 2021	1036 - 1064
MB-STE-0025	Steel beams domestic, delivered Southern Europe, €/tonne	13 Oct 2021	980 - 1010	0.00%	Sep 2021	1036 - 1062
MB-STE-0038	Steel sections (medium) domestic, delivered Northern Europe, €/tonne	13 Oct 2021	1275 - 1330	0.00%	Sep 2021	1370 - 1404
MB-STE-0039	Steel sections (medium) domestic, delivered Southern Europe, €/tonne	13 Oct 2021	1275 - 1330	0.00%	Sep 2021	1368 - 1404
MB-STE-0161	Steel sections domestic, ex-whs Eastern China, yuan/tonne	15 Oct 2021	5750 - 5800	-0.86%	Sep 2021	5574 - 5614
MB-STE-0199	Steel bar 2 x 2 x 1/4-inch angle merchant products, fob mill US, \$/cwt	24 Sep 2021	58.3	0.00%	Sep 2021	58.3
MB-STE-0200	Steel bar 3 x 3 x 1/4-inch angle merchant products, fob mill US, \$/cwt	24 Sep 2021	58.75	0.00%	Sep 2021	58.75
MB-STE-0201	Steel bar 8 x 11.5-inch channels merchant products, fob mill US, \$/cwt	24 Sep 2021	58	0.00%	Sep 2021	58
MB-STE-0202	Steel bar 1/2 x 4-inch flat merchant products, fob mill US, \$/cwt	24 Sep 2021	58.5	0.00%	Sep 2021	58.5
MB-STE-0203	Steel merchant bar, loaded truck Port of Houston for immediate delivery, \$/short ton	24 Sep 2021	1105 - 1145	0.00%	Sep 2021	1105 - 1145
MB-STE-0204	Steel bar cold-finished 1-inch round 4140 (alloy), fob mill US, \$/cwt	15 Oct 2021	110.5	0.00%	Sep 2021	110.5
MB-STE-0205	Steel bar cold-finished 1-inch round 1018 (carbon), fob mill US, \$/cwt	15 Oct 2021	88.75	-0.56%	Sep 2021	89.25
MB-STE-0206	Steel bar cold-finished 1-inch round 12L14 (carbon), fob mill US, \$/cwt	15 Oct 2021	105.75	0.48%	Sep 2021	105.25
MB-STE-0207	Steel bar hot-rolled special bar quality (SBQ) 1-inch round 4100 series (alloy), fob mill US, \$/cwt	15 Oct 2021	80.75	2.87%	Sep 2021	78.5
MB-STE-0208	Steel bar hot-rolled special bar quality (SBQ) 1-inch round 1000 series (carbon), fob mill US, \$/cwt	15 Oct 2021	69.5	2.21%	Sep 2021	68
MB-STE-0209	Steel beams 8 x 8-inch, fob mill US, \$/cwt	30 Sep 2021	68	3.82%	Sep 2021	68
MB-STE-0210	Steel beams medium sections, loaded truck Port of Houston for immediate delivery, \$/short ton	30 Sep 2021	1315 - 1355	3.89%	Sep 2021	1315 - 1355
MB-STE-0851	Steel hollow sections ASTM 500 Grade B import, ddp US port of entry, \$/short ton	28 Sep 2021	1850 - 1900	-2.60%	Sep 2021	1850 - 1900

Steel billet prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0782	Steel billet export, fob ports Iran, \$/tonne	13 Oct 2021	640 - 642.5	0.59%	Sep 2021	625.8 - 630.2
MB-STE-0558	Steel billet index export, fob Black Sea, CIS, \$/tonne	18 Oct 2021	649	4.68%	Sep 2021	599.91
MB-STE-0516	Steel billet import, cfr main port Egypt, \$/tonne	14 Oct 2021	640 - 670	4.80%	Sep 2021	620 - 630
MB-STE-0433	Steel billet domestic, exw India, rupees/tonne	15 Oct 2021	48600 - 48800	4.96%	Sep 2021	41800 - 42000
MB-STE-0440	Steel billet export, fob main port India, \$/tonne	15 Oct 2021	625 - 630	0.00%	Sep 2021	623.75 - 628.75
MB-STE-0141	Steel billet import, cfr Manila, \$/tonne	18 Oct 2021	710 - 720	0.35%	Sep 2021	682.05 - 690
MB-STE-0157	Steel billet domestic, exw Tangshan, Northern China, yuan/tonne	18 Oct 2021	5200	-0.95%	Sep 2021	5172
MB-STE-0890	Steel billet, import, cfr China, \$/tonne	15 Oct 2021	700 - 710	-0.70%	Sep 2021	697.5 - 710.5
MB-STE-0116	Steel billet import, cfr main port Turkey, \$/tonne	14 Oct 2021	650 - 670	3.94%	Sep 2021	611 - 623
MB-STE-0117	Steel billet export, fob main port Turkey, \$/tonne	14 Oct 2021	700 - 705	7.25%	Sep 2021	623 - 629



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0115	Steel billet domestic, exw Turkey, \$/tonne	14 Oct 2021	690 - 700	6.51%	Sep 2021	623 - 628.6
MB-STE-0128	Steel billet export, fob main port Latin America, \$/tonne	15 Oct 2021	590 - 600	0.00%	Sep 2021	590 - 600
MB-STE-0122	Steel billet import, cfr Jebel Ali, UAE, \$/tonne	12 Oct 2021	620 - 625	0.00%	Sep 2021	623.75 - 628.75

Steel slab prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0781	Steel slab export, fob ports Iran, \$/tonne	13 Oct 2021	658.5 - 662	0.27%	Sep 2021	678 - 694
MB-STE-0566	Steel slab export, fob main port Brazil, \$/tonne	15 Oct 2021	740 - 760	-2.60%	Sep 2021	847.5 - 865
MB-STE-0140	Steel slab import, cfr Southeast Asia/East Asia, \$/tonne	18 Oct 2021	730 - 750	2.07%	Sep 2021	752.5 - 761.25
MB-STE-0016	Steel slab export, fob Black Sea, CIS, \$/tonne	18 Oct 2021	680 - 690	0.00%	Sep 2021	717.5 - 728.75

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 Sep 2021	2300 - 2350	0.00%	Sep 2021	2300 - 2350
MB-STE-0023	Steel ERW standard pipe A53 Grade B, fob mill US, \$/short ton	28 Sep 2021	2450 - 2500	2.06%	Sep 2021	2450 - 2500
MB-STE-0056	Steel ERW standard pipe A53 Grade A import, cif Houston, \$/short ton	28 Sep 2021	1950 - 2000	0.00%	Sep 2021	1950 - 2000
MB-STE-0057	Steel ERW standard pipe A53 Grade B import, cif Houston, \$/short ton	28 Sep 2021	2025 - 2075	1.23%	Sep 2021	2025 - 2075
MB-STE-0059	Steel seamless line pipe - API 5LB import, cif Houston, \$/short ton	12 Oct 2021	1750 - 1800	0.00%	Sep 2021	1750 - 1800
MB-STE-0062	Steel seamless OCTG API 5CT - Casing P110, import, cif Houston, \$/short ton	12 Oct 2021	1825 - 1925	0.00%	Sep 2021	1825 - 1925
MB-STE-0063	Steel OCTG API 5CT - Casing J55, fob mill US, \$/short ton	12 Oct 2021	2250 - 2350	4.55%	Sep 2021	2150 - 2250
MB-STE-0071	Steel seamless OCTG API 5CT - Casing P110, fob mill US, \$/short ton	12 Oct 2021	2150 - 2250	7.32%	Sep 2021	2000 - 2100
MB-STE-0090	Steel welded mechanical tubing ASTM A513, fob mill US, \$/short ton	28 Sep 2021	2475 - 2525	0.00%	Sep 2021	2475 - 2525
MB-STE-0166	Steel structural pipe export S235JR grade EN10219 2mm wall thickness, fob main port Turkey, \$/tonne	13 Oct 2021	930 - 940	-4.10%	Sep 2021	960 - 990
MB-STE-0545	Steel ERW line pipe (X52), fob mill US, \$/short ton	12 Oct 2021	2475 - 2525	0.00%	Sep 2021	2475 - 2525
MB-STE-0561	Steel ERW line pipe (X65), fob mill US, \$/short ton	12 Oct 2021	2600 - 2650	0.00%	Sep 2021	2600 - 2650
MB-STE-0564	Steel welded OCTG API 5CT - Casing P110, fob mill US, \$/short ton	12 Oct 2021	2125 - 2175	0.00%	Sep 2021	2125 - 2175
MB-STE-0565	Steel welded OCTG API 5CT - Casing P110, import, cif Houston, \$/short ton	12 Oct 2021	1850 - 1900	0.00%	Sep 2021	1850 - 1900
MB-STE-0869	Steel OCTG API 5CT - Casing J55 import South Korean-made, cif Houston, \$/short ton	12 Oct 2021	1675 - 1725	0.00%	Sep 2021	1675 - 1725
MB-STE-0870	Steel OCTG API 5CT - Casing J55 import non-South Korean-made, cif Houston, \$/short ton	12 Oct 2021	1750 - 1800	0.00%	Sep 2021	1750 - 1800
MB-STE-0871	Steel ERW line pipe (X52) import South Korean-made, cif Houston, \$/short ton	12 Oct 2021	1700 - 1800	0.00%	Sep 2021	1700 - 1800
MB-STE-0872	Steel ERW line pipe (X52) import non-South Korean-made, cif Houston, \$/short ton	12 Oct 2021	2100 - 2200	0.00%	Sep 2021	2100 - 2200
MB-STE-0873	Steel ERW line pipe (X70), fob mill US, \$/short ton	12 Oct 2021	2650 - 2700	0.00%	Sep 2021	2650 - 2700

Stainless & special steel prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
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Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0281	Stainless steel cold-rolled sheet 2mm grade 304 transaction domestic, delivered North Europe, €/tonne	15 Oct 2021	4100 - 4200	0.00%	Sep 2021	4025 - 4200
MB-ST5-0035	Stainless steel 304 cold-rolled sheet, fob mill US, \$/cwt	11 Oct 2021	188	1.76%	Sep 2021	184.75
MB-ST5-0034	Stainless steel 304L cold-rolled sheet, fob mill US, \$/cwt	11 Oct 2021	190	1.74%	Sep 2021	186.75
MB-ST5-0037	Stainless steel 316L cold-rolled sheet, fob mill US, \$/cwt	11 Oct 2021	257.5	2.49%	Sep 2021	251.25
MB-ST5-0005	Stainless steel bright bar grade 304 base price domestic, delivered Europe, €/tonne	15 Oct 2021	1050 - 1100	0.00%	Sep 2021	1000 - 1050
MB-ST5-0004	Stainless steel bright bar grade 304 alloy surcharge domestic, Europe, €/tonne	15 Oct 2021	2682 - 2889	0.00%	Sep 2021	2668 - 2815
MB-ST5-0282	Stainless steel cold-rolled coil 2mm grade 304 export, fob China, \$/tonne	13 Oct 2021	3480 - 3640	1.86%	Sep 2021	3290 - 3388
MB-ST5-0018	Stainless steel cold-rolled coil, Asia grade 304 (2mm 2B), cif East Asian port, \$/tonne	13 Oct 2021	3400 - 3450	0.44%	Sep 2021	3310 - 3386
MB-ST5-0015	Stainless steel cold-rolled coil 2mm grade 304 domestic, ex-whs China, yuan/tonne	13 Oct 2021	21000 - 21200	-0.47%	Sep 2021	19960 - 20480
MB-ST5-0016	Stainless steel cold-rolled coil 2mm grade 430 domestic, ex-whs China, yuan/tonne	13 Oct 2021	11100 - 11150	0.00%	Sep 2021	11260 - 11310
MB-ST5-0283	Stainless steel hot-rolled coil grade 304 export, fob China, \$/tonne	13 Oct 2021	3340 - 3370	1.51%	Sep 2021	3196 - 3224
MB-ST5-0280	Stainless steel hot-rolled coil Asia grade 304, cif port East Asia, \$/tonne	13 Oct 2021	3000 - 3030	1.52%	Sep 2021	3028 - 3050
MB-ST5-0001	Stainless steel cold-rolled sheet 316 2mm alloy surcharge domestic, Europe, €/tonne	15 Oct 2021	3333 - 3426	0.00%	Sep 2021	3283 - 3350
MB-ST5-0002	Stainless steel cold-rolled sheet base price 316 2mm domestic, delivered Europe, €/tonne	15 Oct 2021	2050 - 2150	0.00%	Sep 2021	2037.5 - 2125
MB-ST5-0006	Stainless steel cold-rolled sheet 2mm grade 304 alloy surcharge domestic, Europe, €/tonne	15 Oct 2021	2120 - 2193	0.00%	Sep 2021	2109 - 2166
MB-ST5-0007	Stainless steel cold-rolled sheet 2mm grade 304 base price domestic, delivered Northern Europe, €/tonne	15 Oct 2021	1800 - 1850	0.00%	Sep 2021	1787.5 - 1837.5

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	18 Oct 2021	124.32	-0.72%	Sep 2021	120.16
MB-IRO-0009	Iron ore 65% Fe Brazil-origin fines, cfr Qingdao, \$/tonne	18 Oct 2021	148.1	0.07%	Sep 2021	142.83
MB-IRO-0010	Iron ore 63% Fe Australia-origin lump ore premium, cfr Qingdao, US cents/dmtu	18 Oct 2021	21	-4.55%	Sep 2021	5.98
MB-IRO-0011	Iron ore 62% Fe fines, fot Qingdao, yuan/wet tonne	18 Oct 2021	886	-1.88%	Sep 2021	912.41
MB-IRO-0012	Iron ore 65% Fe blast furnace pellet, cfr Qingdao, \$/tonne	15 Oct 2021	194.98	6.69%	Sep 2021	181.85
MB-IRO-0013	Iron ore 66% Fe concentrate, cfr Qingdao, \$/tonne	15 Oct 2021	149.31	7.80%	Sep 2021	144.12
MB-IRO-0015	Iron ore 58% Fe fines, cfr Qingdao, \$/tonne	18 Oct 2021	78.47	-1.03%	Sep 2021	82.51
MB-IRO-0016	Iron ore 58% Fe fines high-grade premium, cfr Qingdao, \$/tonne	18 Oct 2021	16	6.67%	Sep 2021	9.32
MB-IRO-0017	Iron ore 58% Fe fines high-grade premium index, cfr Qingdao, \$/tonne	18 Oct 2021	94.47	0.19%	Sep 2021	91.83
MB-IRO-0018	Iron ore 62% Fe fines, % Fe VIU, cfr Qingdao, \$/tonne	18 Oct 2021	2.39	-7.00%	Sep 2021	2.27
MB-IRO-0019	Iron ore 65% Fe fines, % Fe VIU, cfr Qingdao \$/tonne	18 Oct 2021	2.9	8.21%	Sep 2021	2.76
MB-IRO-0020	Iron ore 62% Fe fines, % Si VIU, cfr Qingdao, \$/tonne	18 Oct 2021	(5.75)		Sep 2021	(5.31)
MB-IRO-0021	Iron ore 62% Fe fines, % Al2O3 VIU, cfr Qingdao, \$/tonne	18 Oct 2021	(6.58)		Sep 2021	(6.15)
MB-IRO-0022	Iron ore 62% Fe fines, fot Qingdao, \$/tonne conversion	18 Oct 2021	127.46	-1.93%	Sep 2021	130.91
MB-IRO-0024	Iron ore 62% Fe fines, 0.01% P VIU, cfr Qingdao, \$/tonne	18 Oct 2021	(0.87)		Sep 2021	(0.69)
MB-IRO-0076	Iron ore product differential - 62% Fe Pilbara Blend Fines, cfr Qingdao, \$/tonne	18 Oct 2021	(0.41)		Sep 2021	(0.48)
MB-IRO-0077	Iron ore DR-grade pellet premium to 65% Fe fines index, Middle East reference, \$/tonne	30 Sep 2021	70	0.00%	Sep 2021	70
MB-IRO-0114	Iron ore 62% Fe Pilbara blend fines, cfr Qingdao, \$/tonne	18 Oct 2021	123.91	-0.72%	Sep 2021	119.67
MB-IRO-0144	Iron ore 62% Fe low-alumina fines, cfr Qingdao, \$/tonne	18 Oct 2021	125.97	-0.42%	Sep 2021	121.26
MB-IRO-0177	Iron ore pellet premium over 65% Fe fines, cfr China, \$/tonne	15 Oct 2021	46	9.79%	Sep 2021	34.48

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	18 Oct 2021	3690 - 4130	-2.86%	Sep 2021	3752.5 - 4492.5
MB-COA-0002	Hard coking coal, cfr Jingtang, \$/dmt	18 Oct 2021	565.06	0.60%	Sep 2021	479.84
MB-COA-0003	Premium hard coking coal, fob DBCT, \$/dmt	18 Oct 2021	400.3	0.17%	Sep 2021	351.58
MB-COA-0004	Hard coking coal, fob DBCT, \$/dmt	18 Oct 2021	340.84	0.29%	Sep 2021	293.13
MB-COA-0005	Premium hard coking coal, cfr Jingtang, \$/dmt	18 Oct 2021	612.56	0.24%	Sep 2021	528.61
MB-COA-0006	Coke 65% CSR, fob China, \$/tonne	12 Oct 2021	680 - 695	-2.48%	Sep 2021	657.5 - 678.75
MB-COA-0007	PCI low-vol, cfr Jingtang, \$/dmt	15 Oct 2021	307.68	8.10%	Sep 2021	262.99
MB-COA-0008	PCI low-vol, fob DBCT, \$/dmt	15 Oct 2021	280.74	9.90%	Sep 2021	228.26



Pig iron, DRI & HBI prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FE-0002	Hot-briquetted iron export, fob main port Venezuela, \$/tonne	15 Oct 2021	370 - 390	0.00%	Sep 2021	422.5 - 435
MB-FE-0003	Hot-briquetted iron, fob New Orleans, \$/tonne	18 Oct 2021	430 - 440	0.00%	Sep 2021	430 - 440
MB-FE-0004	Hot-briquetted iron, cfr Italian ports, \$/tonne	14 Oct 2021	460	0.00%	Sep 2021	466 - 468
MB-FEN-0001	Nickel pig iron, high-grade NPI content 10-15%, contract, ddp China, yuan/nickel unit price	15 Oct 2021	1450 - 1475	1.56%	Sep 2021	1430 - 1450
MB-FEN-0002	Nickel pig iron, high-grade NPI content 10-15%, spot, ddp China, yuan/nickel unit price	15 Oct 2021	1450 - 1475	0.86%	Sep 2021	1435 - 1457.5
MB-FEN-0004	Pig iron foundry grade, Brazil, fob New Orleans, \$/tonne	18 Oct 2021	680 - 710	1.46%	Sep 2021	685 - 715
MB-IRO-0001	Pig iron export, fob main port Baltic Sea, CIS, \$/tonne	14 Oct 2021	570 - 600	0.00%	Sep 2021	572 - 584
MB-IRO-0002	Pig iron export, fob main port Black Sea, CIS, \$/tonne	14 Oct 2021	500 - 520	2.00%	Sep 2021	487 - 509.6
MB-IRO-0004	Pig iron import, cfr Gulf of Mexico, US, \$/tonne	15 Oct 2021	545 - 550	1.39%	Sep 2021	530 - 538.75
MB-IRO-0005	Pig iron export, fob port of Vitoria/Rio, Brazil, \$/tonne	15 Oct 2021	500	3.63%	Sep 2021	477.5 - 491.25
MB-IRO-0006	Pig iron export, fob Ponta da Madeira, Brazil, \$/tonne	15 Oct 2021	527 - 530	1.63%	Sep 2021	515 - 517.5
MB-IRO-0014	Pig iron import, cfr Italy, \$/tonne	14 Oct 2021	555 - 565	3.23%	Sep 2021	536.6 - 544.6
MB-IRO-0023	Direct reduced iron domestic, exw India, rupees/tonne	15 Oct 2021	37200 - 37400	4.48%	Sep 2021	31750 - 31950
MB-IRO-0078	Pig iron basic grade, Brazil, fob New Orleans, \$/tonne	18 Oct 2021	540 - 570	0.91%	Sep 2021	533.75 - 563.75
MB-IRO-0079	Pig iron basic grade, Ukraine/Russia, fob New Orleans, \$/tonne	18 Oct 2021	550 - 580	2.73%	Sep 2021	533.75 - 563.75
MB-IRO-0178	Pig iron, import, cfr China, \$/tonne	14 Oct 2021	560 - 570	2.73%	Sep 2021	537.5 - 550

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	07 Oct 2021	410	0.00%	Sep 2021	410
MB-STE-0214	Steel scrap No2 heavy melt, consumer buying price, delivered mill Alabama, \$/gross ton	07 Oct 2021	400	0.00%	Sep 2021	400
MB-STE-0216	Steel scrap No1 busheling, consumer buying price, delivered mill Alabama, \$/gross ton	07 Oct 2021	555	-3.48%	Sep 2021	575
MB-STE-0215	Steel scrap No1 bundles, consumer buying price, delivered mill Alabama, \$/gross ton	07 Oct 2021	547	-3.53%	Sep 2021	567
MB-STE-0218	Steel scrap machine shop turnings, consumer buying price, delivered mill Alabama, \$/gross ton	07 Oct 2021	335	0.00%	Sep 2021	335
MB-STE-0217	Steel scrap shredded auto scrap, consumer buying price, delivered mill Alabama, \$/gross ton	07 Oct 2021	468	0.00%	Sep 2021	468
MB-STE-0219	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Alabama, \$/gross ton	07 Oct 2021	455	0.00%	Sep 2021	455
MB-STE-0220	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Alabama, \$/gross ton	07 Oct 2021	430	0.00%	Sep 2021	430

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	07 Oct 2021	435	0.00%	Sep 2021	435
MB-STE-0224	Steel scrap No1 busheling, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	07 Oct 2021	590	-3.28%	Sep 2021	610
MB-STE-0222	Steel scrap No1 bundles, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	07 Oct 2021	585	-3.31%	Sep 2021	605
MB-STE-0223	Steel scrap No2 bundles, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	07 Oct 2021	397	0.00%	Sep 2021	397
MB-STE-0226	Steel scrap machine shop turnings, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	07 Oct 2021	330	0.00%	Sep 2021	330
MB-STE-0225	Steel scrap shredded auto scrap, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	07 Oct 2021	470	0.00%	Sep 2021	470
MB-STE-0227	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Arkansas/Tenn, \$/gross ton	07 Oct 2021	455	0.00%	Sep 2021	455

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	08 Oct 2021	376	0.00%	Sep 2021	376
MB-STE-0341	Steel scrap No1 busheling, dealer selling price, fob dealer yard Atlanta, \$/gross ton	08 Oct 2021	498	-2.92%	Sep 2021	513
MB-STE-0343	Steel scrap machine shop turnings, dealer selling price, fob dealer yard Atlanta, \$/gross ton	08 Oct 2021	230	0.00%	Sep 2021	230



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0342	Steel scrap shredded auto scrap, dealer selling price, fob dealer yard Atlanta, \$/gross ton	08 Oct 2021	406	0.00%	Sep 2021	406
MB-STE-0344	Steel scrap cut structural/plate 5ft max, dealer selling price, fob dealer yard Atlanta, \$/gross ton	08 Oct 2021	386	0.00%	Sep 2021	386

Bajio

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0553	Steel scrap No1 heavy melt, consumer buying price, delivered mill Bajio, \$/tonne	12 Oct 2021	347	-7.71%	Sep 2021	434
MB-STE-0551	Steel scrap No1 busheling, consumer buying price, delivered mill Bajio, \$/tonne	12 Oct 2021	542	-5.41%	Sep 2021	602.25
MB-STE-0552	Steel scrap No1 busheling, consumer buying price, delivered mill Bajio, peso/tonne	12 Oct 2021	11150	-4.29%	Sep 2021	12037.5
MB-STE-0549	Steel scrap machine shop turnings, consumer buying price, delivered mill Bajio, \$/tonne	12 Oct 2021	316	-11.98%	Sep 2021	403.25
MB-STE-0550	Steel scrap machine shop turnings, consumer buying price, delivered mill Bajio, peso/tonne	12 Oct 2021	6500	-10.96%	Sep 2021	8062.5
MB-STE-0556	Steel scrap shredded auto scrap, consumer buying price, delivered mill Bajio, peso/tonne	12 Oct 2021	11700	0.00%	Sep 2021	11850
MB-STE-0547	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Bajio, \$/tonne	12 Oct 2021	406	-7.31%	Sep 2021	486.25
MB-STE-0548	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Bajio, peso/tonne	12 Oct 2021	8350	-6.18%	Sep 2021	9725
MB-STE-0554	Steel scrap No1 heavy melt, consumer buying price, delivered mill Bajio, peso/tonne	12 Oct 2021	7150	-6.54%	Sep 2021	8675
MB-STE-0555	Steel scrap shredded auto scrap, consumer buying price, delivered mill Bajio, \$/tonne	12 Oct 2021	568	-1.39%	Sep 2021	592.75

Birmingham

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0698	Steel scrap No1 heavy melting, broker buying price, fob Birmingham, \$/gross ton	08 Oct 2021	273	0.00%	Sep 2021	273
MB-STE-0699	Steel scrap No2 heavy melting, broker buying price, fob Birmingham, \$/gross ton	08 Oct 2021	263	0.00%	Sep 2021	263
MB-STE-0710	Steel scrap plate and structurals 5ft and under, broker buying price, fob Birmingham \$/gross ton	08 Oct 2021	345	0.00%	Sep 2021	345
MB-STE-0704	Steel scrap machine shop turnings, broker buying price, fob Birmingham \$/gross ton	08 Oct 2021	230	0.00%	Sep 2021	230
MB-STE-0703	Steel scrap shredded scrap, broker buying price, fob Birmingham \$/gross ton	08 Oct 2021	430	0.00%	Sep 2021	430
MB-STE-0702	Steel scrap No1 busheling, broker buying price, fob Birmingham \$/gross ton	08 Oct 2021	455	-4.21%	Sep 2021	475
MB-STE-0700	Steel scrap No1 dealer bundles, broker buying price, fob Birmingham, \$/gross ton	08 Oct 2021	485	-3.96%	Sep 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	18 Oct 2021	340	3.03%	Sep 2021	332.5
MB-STE-0367	Steel scrap No2 bundles, export yard buying price, delivered to yard Boston, \$/gross ton	18 Oct 2021	260	4.00%	Sep 2021	252.5



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0370	Steel scrap auto bodies, export yard buying price, delivered to yard Boston, \$/gross ton	18 Oct 2021	235	4.44%	Sep 2021	230
MB-STE-0369	Steel scrap unstripped motor blocks, export yard buying price, delivered to yard Boston, \$/gross ton	18 Oct 2021	340	3.03%	Sep 2021	332.5
MB-STE-0368	Steel scrap mixed cast, export yard buying price, delivered to yard Boston, \$/gross ton	18 Oct 2021	325	3.17%	Sep 2021	317.5
MB-STE-0371	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard Boston, \$/gross ton	18 Oct 2021	350	2.94%	Sep 2021	342.5

Chicago

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0228	Steel scrap No1 heavy melt, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	430	0.00%	Sep 2021	430
MB-STE-0232	Steel scrap No1 busheling, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	560	-3.45%	Sep 2021	580
MB-STE-0230	Steel scrap No1 bundles, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	565	-3.42%	Sep 2021	585
MB-STE-0248	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	420	0.00%	Sep 2021	420
MB-STE-0231	Steel scrap No2 bundles, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	315	0.00%	Sep 2021	315
MB-STE-0234	Steel scrap machine shop turnings, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	290	0.00%	Sep 2021	290
MB-STE-0233	Steel scrap shredded auto scrap, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	480	2.13%	Sep 2021	470
MB-STE-0578	Steel scrap low-residual, ductile-quality shredded clips, consumer buying price, delivered mill Chicago, \$/gross ton	08 Oct 2021	722	-2.70%	Sep 2021	742
MB-STE-0241	Steel scrap unstripped motor blocks, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	504	0.00%	Sep 2021	504
MB-STE-0235	Steel scrap cast iron borings, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	320	0.00%	Sep 2021	320
MB-STE-0239	Steel scrap cupola cast, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	559	0.00%	Sep 2021	559
MB-STE-0240	Steel scrap clean auto cast, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	622	0.00%	Sep 2021	622
MB-STE-0242	Steel scrap heavy breakable cast, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	502	0.00%	Sep 2021	502
MB-STE-0243	Steel scrap drop broken machinery cast, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	537	0.00%	Sep 2021	537
MB-STE-0238	Steel scrap foundry steel 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	494	0.00%	Sep 2021	494
MB-STE-0244	Steel scrap rail crops 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	553	0.00%	Sep 2021	553
MB-STE-0246	Steel scrap steel car wheels, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	495	0.00%	Sep 2021	495
MB-STE-0577	Steel scrap low-residual, black foundry busheling, consumer buying price, delivered mill Chicago, \$/gross ton	08 Oct 2021	722	-2.70%	Sep 2021	742
MB-STE-0236	Steel scrap cut structural/plate 2ft max, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	584	0.00%	Sep 2021	584
MB-STE-0237	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	465	0.00%	Sep 2021	465



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0579	Steel scrap low-alloy punchings, consumer buying price, delivered mill Chicago, \$/gross ton	08 Oct 2021	742	-2.62%	Sep 2021	762
MB-STE-0229	Steel scrap No2 heavy melt, consumer buying price, delivered mill Chicago, \$/gross ton	07 Oct 2021	415	0.00%	Sep 2021	415

Cincinnati

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0249	Steel scrap No1 heavy melt, consumer buying price, delivered mill Cincinnati, \$/gross ton	07 Oct 2021	410	0.00%	Sep 2021	410
MB-STE-0251	Steel scrap No1 busheling, consumer buying price, delivered mill Cincinnati, \$/gross ton	07 Oct 2021	555	-1.77%	Sep 2021	565
MB-STE-0250	Steel scrap No1 bundles, consumer buying price, delivered mill Cincinnati, \$/gross ton	07 Oct 2021	555	-1.77%	Sep 2021	565
MB-STE-0253	Steel scrap machine shop turnings, consumer buying price, delivered mill Cincinnati, \$/gross ton	07 Oct 2021	247	0.00%	Sep 2021	247
MB-STE-0252	Steel scrap shredded auto scrap, consumer buying price, delivered mill Cincinnati, \$/gross ton	07 Oct 2021	430	0.00%	Sep 2021	430
MB-STE-0254	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Cincinnati, \$/gross ton	07 Oct 2021	435	0.00%	Sep 2021	435

Cleveland

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0255	Steel scrap No1 heavy melt, consumer buying price, delivered mill Cleveland, \$/gross ton	08 Oct 2021	425	0.00%	Sep 2021	425
MB-STE-0257	Steel scrap No1 busheling, consumer buying price, delivered mill Cleveland, \$/gross ton	08 Oct 2021	620	0.00%	Sep 2021	620
MB-STE-0256	Steel scrap No1 bundles, consumer buying price, delivered mill Cleveland, \$/gross ton	08 Oct 2021	620	0.00%	Sep 2021	620
MB-STE-0269	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Cleveland, \$/gross ton	08 Oct 2021	410	0.00%	Sep 2021	410
MB-STE-0259	Steel scrap machine shop turnings, consumer buying price, delivered mill Cleveland, \$/gross ton	08 Oct 2021	245	0.00%	Sep 2021	245
MB-STE-0258	Steel scrap shredded auto scrap, consumer buying price, delivered mill Cleveland, \$/gross ton	08 Oct 2021	460	0.00%	Sep 2021	460
MB-STE-0260	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Cleveland, \$/gross ton	08 Oct 2021	440	0.00%	Sep 2021	440
MB-STE-0653	Steel scrap punchings and plate, broker buying price, fob Cleveland, \$/gross ton	08 Oct 2021	740	0.00%	Sep 2021	740

Detroit

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0272	Steel scrap No1 busheling, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	535	-3.60%	Sep 2021	555
MB-STE-0271	Steel scrap No1 bundles, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	525	-3.67%	Sep 2021	545
MB-STE-0634	Steel scrap No1 dealer bundles, broker buying price, fob Detroit, \$/gross ton	08 Oct 2021	370	-5.13%	Sep 2021	390
MB-STE-0279	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	390	0.00%	Sep 2021	390



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0274	Steel scrap machine shop turnings, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	165	0.00%	Sep 2021	165
MB-STE-0273	Steel scrap shredded auto scrap, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	445	0.00%	Sep 2021	445
MB-STE-0636	Steel scrap shredded scrap, broker buying price, fob Detroit, \$/gross ton	08 Oct 2021	318	0.00%	Sep 2021	318
MB-STE-0277	Steel scrap cupola cast, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	415	0.00%	Sep 2021	415
MB-STE-0278	Steel scrap clean auto cast, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	455	0.00%	Sep 2021	455
MB-STE-0276	Steel scrap foundry steel 2ft max, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	430	0.00%	Sep 2021	430
MB-STE-0640	Steel scrap cast iron borings, broker buying price, fob Detroit, \$/gross ton	08 Oct 2021	75	0.00%	Sep 2021	75
MB-STE-0275	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	420	0.00%	Sep 2021	420
MB-STE-0637	Steel scrap plate and structurals 5ft and under, broker buying price, fob Detroit, \$/gross ton	08 Oct 2021	296	0.00%	Sep 2021	296
MB-STE-0633	Steel scrap No1 heavy melting, broker buying price, fob Detroit, \$/gross ton	08 Oct 2021	270	0.00%	Sep 2021	270
MB-STE-0635	Steel scrap No1 busheling, broker buying price, fob Detroit, \$/gross ton	08 Oct 2021	418	-4.57%	Sep 2021	438
MB-STE-0638	Steel scrap machine shop turnings, broker buying price, fob Detroit, \$/gross ton	08 Oct 2021	45	0.00%	Sep 2021	45
MB-STE-0270	Steel scrap No1 heavy melt, consumer buying price, delivered mill Detroit, \$/gross ton	07 Oct 2021	410	0.00%	Sep 2021	410

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	08 Oct 2021	349	0.00%	Sep 2021	349
MB-STE-0772	Steel scrap No1 heavy melting, broker buying price, fob Hamilton, Canadian \$/net ton	08 Oct 2021	294	0.00%	Sep 2021	294
MB-STE-0335	Steel scrap No1 busheling, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	08 Oct 2021	572	-1.72%	Sep 2021	582
MB-STE-0774	Steel scrap No1 busheling, broker buying price, fob Hamilton, Canadian \$/net ton	08 Oct 2021	471	-2.08%	Sep 2021	481
MB-STE-0334	Steel scrap No1 bundles, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	08 Oct 2021	586	-1.68%	Sep 2021	596
MB-STE-0773	Steel scrap No1 dealer bundles, broker buying price, fob Hamilton, Canadian \$/ net ton	08 Oct 2021	576	-1.71%	Sep 2021	586
MB-STE-0777	Steel scrap machine shop turnings, broker buying price, fob Hamilton, Canadian \$/ net ton	08 Oct 2021	186	0.00%	Sep 2021	186
MB-STE-0336	Steel scrap shredded auto scrap, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	08 Oct 2021	533	2.90%	Sep 2021	518
MB-STE-0776	Steel scrap shredded scrap, broker buying price, fob Hamilton, Canadian \$/ net ton	08 Oct 2021	255	6.25%	Sep 2021	240
MB-STE-0337	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Hamilton, Canadian \$/net ton	08 Oct 2021	372	0.00%	Sep 2021	372

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	07 Oct 2021	260	0.00%	Sep 2021	260



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0765	Steel scrap No1 heavy melting, broker buying price, fob Houston \$/gross ton	08 Oct 2021	255	0.00%	Sep 2021	255
MB-STE-0766	Steel scrap No2 heavy melting, broker buying price, fob Houston \$/gross ton	08 Oct 2021	245	0.00%	Sep 2021	245
MB-STE-0351	Steel scrap No1 busheling, dealer selling price, fob dealer yard Houston, \$/gross ton	07 Oct 2021	382	-4.98%	Sep 2021	402
MB-STE-0405	Steel scrap No1 busheling, consumer buying price trend, delivered mill Houston, \$/gross ton	07 Oct 2021	(20)		Sep 2021	(50)
MB-STE-0767	Steel scrap No1 busheling, broker buying price, fob Houston \$/gross ton	08 Oct 2021	410	-4.65%	Sep 2021	430
MB-STE-0353	Steel scrap machine shop turnings, dealer selling price, fob dealer yard Houston, \$/gross ton	07 Oct 2021	185	0.00%	Sep 2021	185
MB-STE-0769	Steel scrap machine shop turnings, broker buying price, fob Houston \$/gross ton	08 Oct 2021	175	0.00%	Sep 2021	175
MB-STE-0352	Steel scrap shredded auto scrap, dealer selling price, fob dealer yard Houston, \$/gross ton	07 Oct 2021	285	0.00%	Sep 2021	285
MB-STE-0768	Steel scrap shredded scrap, broker buying price, fob Houston \$/gross ton	08 Oct 2021	275	0.00%	Sep 2021	275
MB-STE-0354	Steel scrap cut structural/plate 5ft max, dealer selling price, fob dealer yard Houston, \$/gross ton	07 Oct 2021	290	0.00%	Sep 2021	290
MB-STE-0408	Steel scrap cut structural/plate 5ft max, consumer buying price trend, delivered mill Houston, \$/gross ton	07 Oct 2021	0		Sep 2021	(20)
MB-STE-0770	Steel scrap plate and structurals 5ft and under, broker buying price, fob Houston \$/gross ton	08 Oct 2021	280	0.00%	Sep 2021	280
MB-STE-0404	Steel scrap No1 heavy melt, consumer buying price trend, delivered mill Houston, \$/gross ton	07 Oct 2021	0		Sep 2021	(20)
MB-STE-0407	Steel scrap machine shop turnings, consumer buying price trend, delivered mill Houston, \$/gross ton	07 Oct 2021	0		Sep 2021	(20)
MB-STE-0406	Steel scrap shredded auto scrap, consumer buying price trend, delivered mill Houston, \$/gross ton	07 Oct 2021	0		Sep 2021	(20)

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	18 Oct 2021	265	3.92%	Sep 2021	265
MB-STE-0425	Steel scrap HMS 1&2 (80:20), export index, fob Los Angeles, \$/tonne	13 Oct 2021	445	2.30%	Sep 2021	427.5
MB-STE-0374	Steel scrap No1 busheling, export yard buying price, delivered to yard Los Angeles, \$/gross ton	18 Oct 2021	275	3.77%	Sep 2021	275
MB-STE-0373	Steel scrap No2 bundles, export yard buying price, delivered to yard Los Angeles, \$/gross ton	18 Oct 2021	165	6.45%	Sep 2021	165
MB-STE-0375	Steel scrap machine shop turnings, export yard buying price, delivered to yard Los Angeles, \$/gross ton	18 Oct 2021	60	9.09%	Sep 2021	60
MB-STE-0378	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard Los Angeles, \$/gross ton	18 Oct 2021	275	3.77%	Sep 2021	275

Midwest

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0424	Steel scrap No1 heavy melt, index, delivered Midwest mill, \$/gross ton	12 Oct 2021	436.15	0.45%	Sep 2021	434.21
MB-STE-0882	Steel scrap No1 busheling, indicator, delivered Midwest mill, \$/gross ton	18 Oct 2021	580	0.00%	Sep 2021	594.29
MB-STE-0422	Steel scrap No1 busheling, index, delivered Midwest mill, \$/gross ton	11 Oct 2021	583.43	-2.97%	Sep 2021	601.31
MB-STE-0423	Steel scrap shredded, index, delivered Midwest mill, \$/gross ton	11 Oct 2021	485.52	2.14%	Sep 2021	475.35



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0787	Steel scrap shredder feed, fob Midwest, \$/gross ton	18 Oct 2021	192.69	0.00%	Sep 2021	196.05

Monterrey

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0533	Steel scrap No1 heavy melt, consumer buying price, delivered mill Monterrey, \$/tonne	12 Oct 2021	376	-6.23%	Sep 2021	459.25
MB-STE-0534	Steel scrap No1 heavy melt, consumer buying price, delivered mill Monterrey, peso/tonne	12 Oct 2021	7750	-4.91%	Sep 2021	9175
MB-STE-0539	Steel scrap No1 busheling, consumer buying price, delivered mill Monterrey, \$/tonne	12 Oct 2021	534	-1.29%	Sep 2021	584
MB-STE-0540	Steel scrap No1 busheling, consumer buying price, delivered mill Monterrey, peso/tonne	12 Oct 2021	11000	0.00%	Sep 2021	11675
MB-STE-0541	Steel scrap machine shop turnings, consumer buying price, delivered mill Monterrey, \$/tonne	12 Oct 2021	379	-3.81%	Sep 2021	432.25
MB-STE-0542	Steel scrap machine shop turnings, consumer buying price, delivered mill Monterrey, peso/tonne	12 Oct 2021	7800	-2.50%	Sep 2021	8637.5
MB-STE-0535	Steel scrap shredded auto scrap, consumer buying price, delivered mill Monterrey, \$/tonne	12 Oct 2021	544	-2.16%	Sep 2021	576
MB-STE-0536	Steel scrap shredded auto scrap, consumer buying price, delivered mill Monterrey, peso/tonne	12 Oct 2021	11200	-0.89%	Sep 2021	11512.5
MB-STE-0537	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Monterrey, \$/tonne	12 Oct 2021	471	-8.01%	Sep 2021	553.5
MB-STE-0538	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Monterrey, peso/tonne	12 Oct 2021	9700	-6.73%	Sep 2021	11062.5

Montreal

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0789	Steel scrap No1 heavy melting, consumer buying price, fob Montreal, Canadian \$/net ton	12 Oct 2021	385	0.00%	Sep 2021	385
MB-STE-0790	Steel scrap No1 busheling, consumer buying price, fob Montreal, Canadian \$/net ton	12 Oct 2021	540	-2.70%	Sep 2021	555
MB-STE-0848	Steel scrap No2 bundles, consumer buying price, fob Montreal, Canadian \$/net ton	12 Oct 2021	295	5.36%	Sep 2021	280
MB-STE-0792	Steel scrap machine shop turnings, consumer buying price, fob Montreal, Canadian \$/net ton	12 Oct 2021	315	0.00%	Sep 2021	315
MB-STE-0793	Steel scrap cut structural/plate 5ft max, consumer buying price, fob Montreal, Canadian \$/net ton	12 Oct 2021	425	0.00%	Sep 2021	425

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	18 Oct 2021	345	2.99%	Sep 2021	337.5
MB-STE-0418	Steel scrap HMS 1&2 (80:20), export index, fob New York, \$/tonne	13 Oct 2021	412	2.26%	Sep 2021	401.33
MB-STE-0380	Steel scrap No2 bundles, export yard buying price, delivered to yard New York, \$/gross ton	18 Oct 2021	295	3.51%	Sep 2021	287.5
MB-STE-0381	Steel scrap machine shop turnings, export yard buying price, delivered to yard New York, \$/gross ton	18 Oct 2021	240	4.35%	Sep 2021	232.5



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0419	Steel scrap shredded scrap, export index, fob New York, \$/tonne	13 Oct 2021	432.5	3.22%	Sep 2021	417.45
MB-STE-0384	Steel scrap auto bodies, export yard buying price, delivered to yard New York, \$/gross ton	18 Oct 2021	325	3.17%	Sep 2021	317.5
MB-STE-0383	Steel scrap unstripped motor blocks, export yard buying price, delivered to yard New York, \$/gross ton	18 Oct 2021	360	2.86%	Sep 2021	352.5
MB-STE-0382	Steel scrap mixed cast, export yard buying price, delivered to yard New York, \$/gross ton	18 Oct 2021	340	3.03%	Sep 2021	332.5
MB-STE-0385	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard New York, \$/gross ton	18 Oct 2021	355	2.90%	Sep 2021	347.5

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	08 Oct 2021	420	0.00%	Sep 2021	420
MB-STE-0281	Steel scrap No1 busheling, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	08 Oct 2021	530	-1.85%	Sep 2021	540
MB-STE-0283	Steel scrap machine shop turnings, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	08 Oct 2021	335	0.00%	Sep 2021	335
MB-STE-0282	Steel scrap, shredded auto scrap, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	08 Oct 2021	440	0.00%	Sep 2021	440
MB-STE-0284	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill North Carolina/Virginia, \$/gross ton	08 Oct 2021	430	0.00%	Sep 2021	430

Philadelphia

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0285	Steel scrap No1 heavy melt, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	400	0.00%	Sep 2021	400
MB-STE-0386	Steel scrap No1 heavy melt, export yard buying price, delivered to yard Philadelphia, \$/gross ton	18 Oct 2021	345	2.99%	Sep 2021	337.5
MB-STE-0288	Steel scrap No1 busheling, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	530	0.00%	Sep 2021	530
MB-STE-0286	Steel scrap No1 bundles, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	530	0.00%	Sep 2021	530
MB-STE-0287	Steel scrap No2 bundles, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	335	0.00%	Sep 2021	335
MB-STE-0387	Steel scrap No2 bundles, export yard buying price, delivered to yard Philadelphia, \$/gross ton	18 Oct 2021	270	3.85%	Sep 2021	262.5
MB-STE-0290	Steel scrap machine shop turnings, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	315	0.00%	Sep 2021	315
MB-STE-0289	Steel scrap shredded auto scrap, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	450	0.00%	Sep 2021	450
MB-STE-0390	Steel scrap auto bodies, export yard buying price, delivered to yard Philadelphia, \$/gross ton	18 Oct 2021	310	3.33%	Sep 2021	302.5
MB-STE-0297	Steel scrap unstripped motor blocks, consumer buying price, delivered mill Philadelphia, \$/gross ton	05 Oct 2021	420	0.00%	Sep 2021	420
MB-STE-0389	Steel scrap unstripped motor blocks, export yard buying price, delivered to yard Philadelphia, \$/gross ton	18 Oct 2021	340	3.03%	Sep 2021	332.5



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0295	Steel scrap cupola cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	415	0.00%	Sep 2021	415
MB-STE-0296	Steel scrap clean auto cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	410	0.00%	Sep 2021	410
MB-STE-0298	Steel scrap heavy breakable cast, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	366	0.00%	Sep 2021	366
MB-STE-0299	Steel scrap drop broken machinery, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	471	0.00%	Sep 2021	471
MB-STE-0300	Steel scrap rail crops 2ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	535	0.00%	Sep 2021	535
MB-STE-0301	Steel scrap random rails, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	410	0.00%	Sep 2021	410
MB-STE-0291	Steel scrap cut structural/plate 2ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	525	0.00%	Sep 2021	525
MB-STE-0292	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	420	0.00%	Sep 2021	420
MB-STE-0293	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Philadelphia, \$/gross ton	08 Oct 2021	410	0.00%	Sep 2021	410
MB-STE-0391	Steel scrap cut structural/plate 5ft max, export yard buying price, delivered to yard Philadelphia, \$/gross ton	18 Oct 2021	355	2.90%	Sep 2021	347.5

Pittsburgh

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0303	Steel scrap No1 heavy melt, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	420	2.44%	Sep 2021	410
MB-STE-0306	Steel scrap No1 busheling, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	590	0.00%	Sep 2021	590
MB-STE-0304	Steel scrap No1 bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	571	0.00%	Sep 2021	571
MB-STE-0305	Steel scrap No2 bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	329	3.13%	Sep 2021	319
MB-STE-0307	Steel scrap No1 industrial bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	597	0.00%	Sep 2021	597
MB-STE-0321	Steel scrap steel (tin) can bundles, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	340	3.03%	Sep 2021	330
MB-STE-0309	Steel scrap machine shop turnings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	335	0.00%	Sep 2021	335
MB-STE-0308	Steel scrap shredded auto scrap, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	470	2.17%	Sep 2021	460
MB-STE-0310	Steel scrap cast iron borings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	290	0.00%	Sep 2021	290
MB-STE-0388	Steel scrap mixed cast, export yard buying price, delivered to yard Philadelphia, \$/gross ton	18 Oct 2021	345	2.99%	Sep 2021	337.5
MB-STE-0311	Steel scrap cut structural/plate 3ft max, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	475	2.15%	Sep 2021	465
MB-STE-0312	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	455	2.25%	Sep 2021	445
MB-STE-0598	Steel scrap punchings and plate, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	792	0.00%	Sep 2021	792



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	07 Oct 2021	6		Sep 2021	(22)
MB-STE-0411	Steel scrap machine shop turnings, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	07 Oct 2021	6		Sep 2021	(22)
MB-STE-0410	Steel scrap shredded auto scrap, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	07 Oct 2021	6		Sep 2021	(21)
MB-STE-0412	Steel scrap cut structural/plate 5ft max, consumer buying price trend, delivered mill Seattle/Portland, \$/gross ton	07 Oct 2021	6		Sep 2021	(22)

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	08 Oct 2021	420	0.00%	Sep 2021	420
MB-STE-0323	Steel scrap No1 busheling, consumer buying price, delivered mill South Carolina, \$/gross ton	08 Oct 2021	530	-1.85%	Sep 2021	540
MB-STE-0324	Steel scrap shredded auto scrap, consumer buying price, delivered mill South Carolina, \$/gross ton	08 Oct 2021	440	0.00%	Sep 2021	440
MB-STE-0326	Steel scrap cut structural/plate 5ft max, consumer buying price, delivered mill South Carolina, \$/gross ton	08 Oct 2021	430	0.00%	Sep 2021	430
MB-STE-0325	Steel scrap machine shop turnings, consumer buying price, delivered mill South Carolina, \$/gross ton	08 Oct 2021	335	0.00%	Sep 2021	335

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	07 Oct 2021	353	0.00%	Sep 2021	353
MB-STE-0621	Steel scrap No1 heavy melting, broker buying price, fob St Louis, \$/gross ton	08 Oct 2021	385	0.00%	Sep 2021	385
MB-STE-0622	Steel scrap No2 heavy melting, broker buying price, fob St Louis, \$/gross ton	08 Oct 2021	375	0.00%	Sep 2021	375
MB-STE-0357	Steel scrap No1 busheling, dealer selling price, fob dealer yard St Louis, \$/gross ton	07 Oct 2021	528	-3.65%	Sep 2021	548
MB-STE-0623	Steel scrap No1 busheling, broker buying price, fob St Louis, \$/gross ton	08 Oct 2021	545	-3.54%	Sep 2021	565
MB-STE-0356	Steel scrap No1 bundles, dealer selling price, fob dealer yard St Louis, \$/gross ton	07 Oct 2021	528	-3.65%	Sep 2021	548
MB-STE-0624	Steel scrap No1 dealer bundles, broker buying price, fob St Louis, \$/gross ton	08 Oct 2021	540	-3.57%	Sep 2021	560
MB-STE-0359	Steel scrap machine shop turnings, dealer selling price, fob dealer yard St Louis, \$/gross ton	07 Oct 2021	225	0.00%	Sep 2021	225
MB-STE-0627	Steel scrap machine shop turnings, broker buying price, fob St Louis, \$/gross ton	08 Oct 2021	230	0.00%	Sep 2021	230
MB-STE-0358	Steel scrap shredded auto scrap, dealer selling price, fob dealer yard St Louis, \$/gross ton	07 Oct 2021	396	0.00%	Sep 2021	396
MB-STE-0360	Steel scrap cut structural/plate 5ft max, dealer selling price, fob dealer yard St Louis, \$/gross ton	07 Oct 2021	373	0.00%	Sep 2021	373
MB-STE-0631	Steel scrap plate and structurals 5ft and under, broker buying price, fob St Louis, \$/gross ton	08 Oct 2021	400	0.00%	Sep 2021	400
MB-STE-0626	Steel scrap shredded scrap, broker buying price, fob St Louis, \$/gross ton	08 Oct 2021	410	0.00%	Sep 2021	410



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	15 Oct 2021	430	0.00%	Sep 2021	
MB-STE-0529	Steel scrap No1 heavy melt, consumer buying price, delivered mill Philadelphia, \$/gross ton, weekly composite	15 Oct 2021	400	0.00%	Sep 2021	
MB-STE-0530	Steel scrap No1 heavy melt, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	15 Oct 2021	420	1.94%	Sep 2021	
MB-STE-0531	Steel scrap No1 heavy melt, consumer buying price, delivered mill, \$/gross ton, weekly composite	15 Oct 2021	416.67	0.64%	Sep 2021	
MB-STE-0524	Steel scrap No1 busheling, consumer buying price, delivered mill Chicago, \$/gross ton, weekly composite	15 Oct 2021	560	-2.10%	Sep 2021	
MB-STE-0525	Steel scrap No1 busheling, consumer buying price, delivered mill Cleveland, \$/gross ton, weekly composite	15 Oct 2021	620	0.00%	Sep 2021	
MB-STE-0526	Steel scrap No1 busheling, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	15 Oct 2021	590	0.00%	Sep 2021	
MB-STE-0527	Steel scrap No1 busheling, consumer buying price, delivered mill, \$/gross ton, weekly composite	15 Oct 2021	590	-0.67%	Sep 2021	
MB-STE-0427	Steel scrap Shredded auto, daily composite, delivered mill US, \$/gross ton	18 Oct 2021	467	0.00%	Sep 2021	464.86
MB-STE-0519	Steel scrap shredded auto scrap, consumer buying price, delivered mill Alabama, \$/gross ton, weekly composite	15 Oct 2021	468	0.00%	Sep 2021	
MB-STE-0520	Steel scrap shredded auto scrap, consumer buying price, delivered mill Chicago, \$/gross ton, weekly composite	15 Oct 2021	480	1.27%	Sep 2021	
MB-STE-0521	Steel scrap shredded auto scrap, consumer buying price, delivered mill Philadelphia, \$/gross ton, weekly composite	15 Oct 2021	450	0.00%	Sep 2021	
MB-STE-0522	Steel scrap shredded auto scrap, consumer buying price, delivered mill Pittsburgh, \$/gross ton, weekly composite	15 Oct 2021	470	1.73%	Sep 2021	
MB-STE-0523	Steel scrap shredded auto scrap, consumer buying price, delivered mill, \$/gross ton, weekly composite	15 Oct 2021	467	0.76%	Sep 2021	
MB-STE-0426	Steel scrap No1 heavy melt, daily composite, delivered mill US, \$/gross ton	18 Oct 2021	416.67	0.00%	Sep 2021	416.9
MB-STE-0428	Steel scrap No1 busheling, daily composite, delivered mill US, \$/gross ton	18 Oct 2021	590	0.00%	Sep 2021	603.81

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	18 Oct 2021	199.29	-1.39%	Sep 2021	200.37
MB-STE-0787	Steel scrap shredder feed, fob Midwest, \$/gross ton	18 Oct 2021	192.69	0.00%	Sep 2021	196.05
MB-STE-0788	Steel scrap shredder feed, fob Southeast, \$/gross ton	18 Oct 2021	176.15	1.17%	Sep 2021	173.73

Boston stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STs-0178	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Boston, US cents/lb	12 Oct 2021	21 - 22	0.00%	Sep 2021	21 - 22
MB-STs-0056	Stainless steel scrap 430 bundles, export yard buying price, delivered to yard Boston, \$/gross ton	12 Oct 2021	470 - 493	0.00%	Sep 2021	470 - 493

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	05 Oct 2021	1232 - 1254	-13.29%	Sep 2021	1299 - 1568
MB-ST5-0063	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Chicago, US cents/lb	05 Oct 2021	55 - 56	-13.28%	Sep 2021	58 - 70
MB-ST5-0190	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Chicago, US cents/lb	12 Oct 2021	83 - 84	5.03%	Sep 2021	83.25 - 85.75
MB-ST5-0068	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	12 Oct 2021	1859 - 1882	5.03%	Sep 2021	1864.75 - 1920.75
MB-ST5-0186	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Chicago, \$/gross ton	05 Oct 2021	1344 - 1456	-10.71%	Sep 2021	1411 - 1725
MB-ST5-0064	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Chicago, US cents/lb	05 Oct 2021	60 - 65	-10.71%	Sep 2021	63 - 77
MB-ST5-0189	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Chicago, US cents/lb	12 Oct 2021	88 - 89	4.73%	Sep 2021	87.5 - 91
MB-ST5-0067	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Chicago, \$/gross ton	12 Oct 2021	1971 - 1994	4.73%	Sep 2021	1960 - 2038.25
MB-ST5-0184	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Chicago, \$/gross ton	05 Oct 2021	1344 - 1456	-10.71%	Sep 2021	1411 - 1725
MB-ST5-0062	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Chicago, US cents/lb	05 Oct 2021	60 - 65	-10.71%	Sep 2021	63 - 77
MB-ST5-0191	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Chicago, US cents/lb	12 Oct 2021	34 - 36	0.00%	Sep 2021	33.25 - 36
MB-ST5-0069	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Chicago, \$/gross ton	12 Oct 2021	762 - 806	0.00%	Sep 2021	745 - 806
MB-ST5-0187	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Chicago, \$/gross ton	05 Oct 2021	515 - 627	0.00%	Sep 2021	515 - 627
MB-ST5-0065	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Chicago, US cents/lb	05 Oct 2021	23 - 28	0.00%	Sep 2021	23 - 28
MB-ST5-0192	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Chicago, US cents/lb	12 Oct 2021	28 - 31	1.72%	Sep 2021	28 - 32.25
MB-ST5-0070	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	12 Oct 2021	627 - 694	1.69%	Sep 2021	627 - 722.5
MB-ST5-0194	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Chicago, US cents/lb	12 Oct 2021	25 - 26	2.00%	Sep 2021	25 - 27.25
MB-ST5-0072	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Chicago, \$/gross ton	12 Oct 2021	560 - 582	1.96%	Sep 2021	560 - 610.25
MB-ST5-0193	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Chicago, US cents/lb	12 Oct 2021	30 - 31	3.39%	Sep 2021	28.5 - 31.75
MB-ST5-0071	Stainless steel scrap 409 bundles, broker buying price, delivered to processor Chicago, \$/gross ton	12 Oct 2021	672 - 694	3.41%	Sep 2021	638.25 - 711.25
MB-ST5-0183	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Chicago, \$/gross ton	05 Oct 2021	1859 - 2128	-1.12%	Sep 2021	1792 - 2240
MB-ST5-0061	Stainless steel scrap 316 solids, dealer buying price, delivered to yard Chicago, US cents/lb	05 Oct 2021	83 - 95	-1.11%	Sep 2021	80 - 100
MB-ST5-0066	Stainless steel scrap 316 solids, broker buying price, delivered to processor Chicago, \$/gross ton	12 Oct 2021	2643 - 2688	1.27%	Sep 2021	2643.25 - 2704.75
MB-ST5-0188	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Chicago, US cents/lb	12 Oct 2021	118 - 120	1.28%	Sep 2021	118 - 120.75



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	05 Oct 2021	896 - 1299	0.00%	Sep 2021	896 - 1299
MB-ST5-0202	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Cleveland, US cents/lb	12 Oct 2021	81 - 84	2.48%	Sep 2021	81.5 - 85.75
MB-ST5-0201	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Cleveland, US cents/lb	12 Oct 2021	86 - 89	4.79%	Sep 2021	86.5 - 91
MB-ST5-0079	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Cleveland, \$/gross ton	12 Oct 2021	1926 - 1994	4.81%	Sep 2021	1937.5 - 2038.25
MB-ST5-0196	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Cleveland, \$/gross	05 Oct 2021	1120 - 1456	0.00%	Sep 2021	1120 - 1456
MB-ST5-0074	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Cleveland, US cents/lb	05 Oct 2021	50 - 65	0.00%	Sep 2021	50 - 65
MB-ST5-0075	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Cleveland, US cents/lb	05 Oct 2021	40 - 58	0.00%	Sep 2021	40 - 58
MB-ST5-0080	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Cleveland, \$/gross ton	12 Oct 2021	1814 - 1882	2.50%	Sep 2021	1825.5 - 1920.75
MB-ST5-0198	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Cleveland, \$/gross	05 Oct 2021	1120 - 1456	0.00%	Sep 2021	1120 - 1456
MB-ST5-0076	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Cleveland, US cents/lb	05 Oct 2021	50 - 65	0.00%	Sep 2021	50 - 65
MB-ST5-0199	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Cleveland, \$/gross	15 Oct 2021	336 - 560	-4.78%	Sep 2021	381 - 560
MB-ST5-0077	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Cleveland, US cents/lb	05 Oct 2021	15 - 25	-4.76%	Sep 2021	17 - 25
MB-ST5-0195	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Cleveland, \$/gross	05 Oct 2021	1344 - 1904	0.00%	Sep 2021	1344 - 1904
MB-ST5-0200	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Cleveland, US cents/lb	12 Oct 2021	118 - 121	3.91%	Sep 2021	117.5 - 120.75
MB-ST5-0078	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Cleveland, \$/gross ton	12 Oct 2021	2643 - 2710	3.90%	Sep 2021	2632 - 2704.75
MB-ST5-0073	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Cleveland, US cents/lb	05 Oct 2021	60 - 85	0.00%	Sep 2021	60 - 85

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	05 Oct 2021	1053 - 1254	-4.63%	Sep 2021	1120 - 1299
MB-ST5-0083	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Detroit, US cents/lb	05 Oct 2021	47 - 56	-4.63%	Sep 2021	50 - 58
MB-ST5-0210	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Detroit, US cents/lb	12 Oct 2021	81 - 84	3.13%	Sep 2021	82.25 - 85.75
MB-ST5-0088	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Detroit, \$/gross ton	12 Oct 2021	1814 - 1882	3.13%	Sep 2021	1842.25 - 1920.75
MB-ST5-0206	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Detroit, \$/gross ton	05 Oct 2021	1142 - 1344	-6.75%	Sep 2021	1210 - 1456
MB-ST5-0084	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Detroit, US cents/lb	05 Oct 2021	51 - 60	-6.72%	Sep 2021	54 - 65



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	12 Oct 2021	86 - 89	3.55%	Sep 2021	87.5 - 91
MB-ST5-0087	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Detroit, \$/gross ton	12 Oct 2021	1926 - 1994	3.54%	Sep 2021	1960 - 2038.25
MB-ST5-0204	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Detroit, \$/gross ton	05 Oct 2021	1142 - 1344	-6.75%	Sep 2021	1210 - 1456
MB-ST5-0082	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Detroit, US cents/lb	05 Oct 2021	51 - 60	-6.72%	Sep 2021	54 - 65
MB-ST5-0207	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Detroit, \$/gross ton	05 Oct 2021	493 - 560	-2.05%	Sep 2021	515 - 560
MB-ST5-0085	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Detroit, US cents/lb	05 Oct 2021	22 - 25	-2.08%	Sep 2021	23 - 25
MB-ST5-0211	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Detroit, US cents/lb	12 Oct 2021	35 - 36	0.00%	Sep 2021	35 - 36
MB-ST5-0089	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Detroit, \$/gross ton	12 Oct 2021	784 - 806	0.00%	Sep 2021	784 - 806
MB-ST5-0212	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Detroit, US cents/lb	12 Oct 2021	30 - 31	3.39%	Sep 2021	29.75 - 31.75
MB-ST5-0213	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Detroit, US cents/lb	12 Oct 2021	25 - 26	2.00%	Sep 2021	25.25 - 27.25
MB-ST5-0091	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Detroit, \$/gross ton	12 Oct 2021	560 - 582	1.96%	Sep 2021	565.5 - 610.25
MB-ST5-0090	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Detroit, \$/gross ton	12 Oct 2021	672 - 694	3.41%	Sep 2021	666.5 - 711.25
MB-ST5-0208	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Detroit, US cents/lb	12 Oct 2021	118 - 121	1.70%	Sep 2021	118 - 120.75
MB-ST5-0086	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Detroit, \$/gross ton	12 Oct 2021	2643 - 2710	1.69%	Sep 2021	2643.25 - 2704.75
MB-ST5-0203	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Detroit, \$/gross ton	05 Oct 2021	1568 - 1859	-1.95%	Sep 2021	1613 - 1882
MB-ST5-0081	Stainless steel scrap 316 solids, dealer buying price, delivered to yard Detroit, US cents/lb	05 Oct 2021	70 - 83	-1.92%	Sep 2021	72 - 84

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	05 Oct 2021	1344 - 1635	-1.49%	Sep 2021	1411 - 1613
MB-ST5-0287	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard East Coast, US cents/lb	05 Oct 2021	60 - 73	-1.48%	Sep 2021	63 - 72
MB-ST5-0295	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard East Coast, \$/gross ton	05 Oct 2021	1344 - 1635	-2.93%	Sep 2021	1456 - 1613
MB-ST5-0285	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard East Coast, US cents/lb	05 Oct 2021	60 - 73	-2.92%	Sep 2021	65 - 72
MB-ST5-0286	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard East Coast, US cents/lb	05 Oct 2021	62 - 63	5.04%	Sep 2021	57 - 62
MB-ST5-0296	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard East Coast, \$/gross ton	05 Oct 2021	1389 - 1411	5.03%	Sep 2021	1277 - 1389
MB-ST5-0298	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard East Coast, \$/gross ton	05 Oct 2021	582 - 627	14.92%	Sep 2021	470 - 582



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	05 Oct 2021	26 - 28	14.89%	Sep 2021	21 - 26
MB-ST5-0294	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard East Coast, \$/gross ton	05 Oct 2021	1882 - 2106	5.98%	Sep 2021	1792 - 1971
MB-ST5-0284	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard East Coast, US cents/lb	05 Oct 2021	84 - 94	5.95%	Sep 2021	80 - 88

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	12 Oct 2021	84 - 86	0.00%	Sep 2021	87.5 - 89.25
MB-ST5-0096	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Houston, \$/gross ton	12 Oct 2021	1882 - 1926	0.00%	Sep 2021	1960.25 - 1999.25
MB-ST5-0215	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Houston, \$/gross ton	05 Oct 2021	1344 - 1389	5.20%	Sep 2021	1254 - 1344
MB-ST5-0093	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	05 Oct 2021	60 - 62	5.17%	Sep 2021	56 - 60
MB-ST5-0219	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Houston, US cents/lb	12 Oct 2021	80 - 81	-1.23%	Sep 2021	82.5 - 84.25
MB-ST5-0097	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Houston, \$/gross ton	12 Oct 2021	1792 - 1814	-1.23%	Sep 2021	1848 - 1887.25
MB-ST5-0216	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Houston, \$/gross ton	05 Oct 2021	986 - 1008	-10.98%	Sep 2021	986 - 1254
MB-ST5-0094	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Houston, US cents/lb	05 Oct 2021	44 - 45	-11.00%	Sep 2021	44 - 56
MB-ST5-0220	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Houston, US cents/lb	12 Oct 2021	28 - 29	0.00%	Sep 2021	28.5 - 29.5
MB-ST5-0098	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Houston, \$/gross ton	12 Oct 2021	627 - 650	0.00%	Sep 2021	638.5 - 661
MB-ST5-0221	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Houston, US cents/lb	12 Oct 2021	22 - 23	0.00%	Sep 2021	22.5 - 23.5
MB-ST5-0099	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Houston, \$/gross ton	12 Oct 2021	493 - 515	0.00%	Sep 2021	504 - 526.5
MB-ST5-0214	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Houston, \$/gross ton	05 Oct 2021	1792 - 1994	8.36%	Sep 2021	1702 - 1792
MB-ST5-0092	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Houston, US cents/lb	05 Oct 2021	80 - 89	8.33%	Sep 2021	76 - 80
MB-ST5-0217	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Houston, US cents/lb	12 Oct 2021	116 - 118	0.00%	Sep 2021	118 - 119.75
MB-ST5-0095	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Houston, \$/gross ton	12 Oct 2021	2598 - 2643	0.00%	Sep 2021	2643 - 2682.25

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	12 Oct 2021	47.99 - 50.22	2.31%	Sep 2021	50.5 - 52.74
MB-ST5-0105	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard Los Angeles, \$/gross ton	12 Oct 2021	1075 - 1125	2.33%	Sep 2021	1131.25 - 1181.25



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	12 Oct 2021	69.2 - 70.31	1.63%	Sep 2021	71.71 - 72.83
MB-ST5-0104	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard Los Angeles, \$/gross ton	12 Oct 2021	1550 - 1575	1.63%	Sep 2021	1606.25 - 1631.25
MB-ST5-0228	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Los Angeles, US cents/lb	12 Oct 2021	13.39 - 14.29	-3.15%	Sep 2021	14.18 - 15.01
MB-ST5-0106	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Los Angeles, \$/gross ton	12 Oct 2021	300 - 320	-3.13%	Sep 2021	317.5 - 336.25

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	05 Oct 2021	1702 - 1725	-14.05%	Sep 2021	1747 - 2240
MB-ST5-0253	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Montreal, Canadian \$/gross ton	05 Oct 2021	2173 - 2195	-1.51%	Sep 2021	1971 - 2464
MB-ST5-0131	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	05 Oct 2021	97 - 98	-1.52%	Sep 2021	88 - 110
MB-ST5-0130	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Montreal, Canadian cents/lb	05 Oct 2021	76 - 77	-14.04%	Sep 2021	78 - 100
MB-ST5-0129	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	05 Oct 2021	97 - 98	-1.52%	Sep 2021	88 - 110
MB-ST5-0251	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Montreal, Canadian \$/gross ton	05 Oct 2021	2173 - 2195	-1.51%	Sep 2021	1971 - 2464
MB-ST5-0128	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Montreal, Canadian cents/lb	05 Oct 2021	135 - 136	6.27%	Sep 2021	115 - 140
MB-ST5-0250	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Montreal, Canadian \$/gross ton	05 Oct 2021	3024 - 3046	6.27%	Sep 2021	2576 - 3136

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	12 Oct 2021	81 - 84	2.48%	Sep 2021	82.5 - 85.5
MB-ST5-0114	Stainless steel scrap 304 turnings, broker buying price, delivered to processor New York, \$/gross ton	12 Oct 2021	1814 - 1882	2.50%	Sep 2021	1848 - 1915.25
MB-ST5-0116	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard New York, \$/gross ton	12 Oct 2021	1299 - 1322	0.00%	Sep 2021	1299 - 1322
MB-ST5-0238	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard New York, US cents/lb	12 Oct 2021	58 - 59	0.00%	Sep 2021	58 - 59
MB-ST5-0235	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor New York, US cents/lb	12 Oct 2021	86 - 89	1.74%	Sep 2021	87.5 - 91.25
MB-ST5-0113	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor New York, \$/gross ton	12 Oct 2021	1926 - 1994	1.74%	Sep 2021	1960 - 2044.25
MB-ST5-0237	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard New York, US cents/lb	12 Oct 2021	92 - 95.5	3.02%	Sep 2021	92.63 - 93.75
MB-ST5-0115	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard New York, \$/gross ton	12 Oct 2021	2061 - 2139	3.02%	Sep 2021	2074.75 - 2100
MB-ST5-0239	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard New York, US cents/lb	12 Oct 2021	21 - 22	0.00%	Sep 2021	21 - 22



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	12 Oct 2021	470 - 493	0.00%	Sep 2021	470 - 493
MB-ST5-0234	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor New York, US cents/lb	12 Oct 2021	118 - 120	1.28%	Sep 2021	118 - 120.75
MB-ST5-0112	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor New York, \$/gross ton	12 Oct 2021	2643 - 2688	1.27%	Sep 2021	2643.25 - 2704.75

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	12 Oct 2021	58 - 59	0.00%	Sep 2021	58 - 59
MB-ST5-0119	Stainless steel scrap 304 turnings, export yard buying price, delivered to yard Philadelphia, \$/gross ton	12 Oct 2021	1299 - 1322	0.00%	Sep 2021	1299 - 1322
MB-ST5-0240	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard Philadelphia, US cents/lb	12 Oct 2021	92 - 95.5	3.02%	Sep 2021	92.63 - 93.75
MB-ST5-0118	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard Philadelphia, \$/gross ton	12 Oct 2021	2061 - 2139	3.02%	Sep 2021	2074.75 - 2100
MB-ST5-0242	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Philadelphia, US cents/lb	12 Oct 2021	21 - 22	0.00%	Sep 2021	21 - 22
MB-ST5-0120	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard Philadelphia, \$/gross ton	12 Oct 2021	470 - 493	0.00%	Sep 2021	470 - 493

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	05 Oct 2021	45 - 56	-1.94%	Sep 2021	45 - 58
MB-ST5-0164	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	05 Oct 2021	1008 - 1254	-1.95%	Sep 2021	1008 - 1299
MB-ST5-0169	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Pittsburgh, US cents/lb	12 Oct 2021	81 - 84	5.77%	Sep 2021	80.5 - 85.75
MB-ST5-0047	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	12 Oct 2021	1814 - 1882	5.78%	Sep 2021	1803 - 1920.75
MB-ST5-0256	Stainless steel scrap 304 turnings, consumer buying price, delivered mill Pittsburgh, US cents/lb	08 Oct 2021	78 - 80	2.27%	Sep 2021	74.5 - 80
MB-ST5-0134	Stainless steel scrap 304 turnings, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	1747 - 1792	2.25%	Sep 2021	1669 - 1792
MB-ST5-0168	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Pittsburgh, US cents/lb	12 Oct 2021	86 - 89	4.79%	Sep 2021	86.5 - 91
MB-ST5-0255	Stainless steel scrap 304 solids, clips, consumer buying price, delivered mill Pittsburgh, US cents/lb	08 Oct 2021	87 - 89	6.02%	Sep 2021	81 - 85
MB-ST5-0163	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	05 Oct 2021	1008 - 1344	-12.50%	Sep 2021	1232 - 1456
MB-ST5-0041	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Oct 2021	45 - 60	-12.50%	Sep 2021	55 - 65
MB-ST5-0046	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Pittsburgh, \$/gross ton	12 Oct 2021	1926 - 1994	4.81%	Sep 2021	1937.5 - 2038.25
MB-ST5-0133	Stainless steel scrap 304 solids, clips, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	1949 - 1994	6.05%	Sep 2021	1814 - 1904



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	05 Oct 2021	1008 - 1344	-12.50%	Sep 2021	1232 - 1456
MB-ST5-0043	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Oct 2021	45 - 60	-12.50%	Sep 2021	55 - 65
MB-ST5-0171	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Pittsburgh, US cents/lb	12 Oct 2021	30 - 31	0.00%	Sep 2021	27.5 - 32.5
MB-ST5-0049	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	12 Oct 2021	672 - 694	0.00%	Sep 2021	616 - 728
MB-ST5-0257	Stainless steel scrap 430 bundles, solids, consumer buying price, delivered mill Pittsburgh, US cents/lb	08 Oct 2021	32.81 - 33.71	0.00%	Sep 2021	32.81 - 33.71
MB-ST5-0170	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Pittsburgh, US cents/lb	12 Oct 2021	35 - 36	10.94%	Sep 2021	30.5 - 36
MB-ST5-0048	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Pittsburgh, \$/gross ton	12 Oct 2021	784 - 806	10.88%	Sep 2021	683.5 - 806
MB-ST5-0135	Stainless steel scrap 430 bundles, solids, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	735 - 755	0.00%	Sep 2021	735 - 755
MB-ST5-0166	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	05 Oct 2021	336 - 560	0.00%	Sep 2021	336 - 560
MB-ST5-0044	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Oct 2021	15 - 25	0.00%	Sep 2021	15 - 25
MB-ST5-0172	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Pittsburgh, US cents/lb	12 Oct 2021	30 - 31	3.39%	Sep 2021	27.75 - 31.75
MB-ST5-0258	Stainless steel scrap 409 bundles, solids, consumer buying price, delivered mill Pittsburgh, US cents/lb	08 Oct 2021	28.35 - 28.57	0.00%	Sep 2021	28.35 - 28.57
MB-ST5-0136	Stainless steel scrap 409 bundles, solids, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	635 - 640	0.00%	Sep 2021	635 - 640
MB-ST5-0173	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Pittsburgh, US cents/lb	12 Oct 2021	25 - 26	2.00%	Sep 2021	24.5 - 27.25
MB-ST5-0050	Stainless steel scrap 409 bundles, broker buying price, delivered to processor Pittsburgh, \$/gross ton	12 Oct 2021	672 - 694	3.41%	Sep 2021	621.5 - 711.25
MB-ST5-0051	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Pittsburgh, \$/gross ton	12 Oct 2021	560 - 582	1.96%	Sep 2021	548.75 - 610.25
MB-ST5-0167	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Pittsburgh, US cents/lb	12 Oct 2021	118 - 121	3.91%	Sep 2021	116.5 - 120.75
MB-ST5-0254	Stainless steel scrap 316 solids, clips, consumer buying price, delivered mill Pittsburgh, US cents/lb	08 Oct 2021	128 - 130	4.03%	Sep 2021	120 - 128
MB-ST5-0162	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Pittsburgh, \$/gross ton	05 Oct 2021	1680 - 1859	2.58%	Sep 2021	1568 - 1882
MB-ST5-0040	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Pittsburgh, US cents/lb	05 Oct 2021	75 - 83	2.60%	Sep 2021	70 - 84
MB-ST5-0132	Stainless steel scrap 316 solids, clips, consumer buying price, delivered mill Pittsburgh, \$/gross ton	08 Oct 2021	2867 - 2912	4.03%	Sep 2021	2688 - 2867
MB-ST5-0045	Stainless steel scrap 316 solids, broker buying price, delivered to processor Pittsburgh, \$/gross ton	12 Oct 2021	2643 - 2710	3.90%	Sep 2021	2609.5 - 2704.75

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	12 Oct 2021	47.99 - 50.22	2.31%	Sep 2021	50.5 - 52.76



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	12 Oct 2021	1075 - 1125	2.33%	Sep 2021	1131.25 - 1181.75
MB-ST5-0247	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard San Francisco, US cents/lb	12 Oct 2021	69.2 - 70.31	1.63%	Sep 2021	71.66 - 72.83
MB-ST5-0125	Stainless steel scrap 304 solids, clips, export yard buying price, delivered to yard San Francisco, \$/gross ton	12 Oct 2021	1550 - 1575	1.63%	Sep 2021	1605 - 1631.25
MB-ST5-0249	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard San Francisco, US cents/lb	12 Oct 2021	13.39 - 14.29	-3.15%	Sep 2021	14.18 - 15.01
MB-ST5-0127	Stainless steel scrap 430 bundles, solids, export yard buying price, delivered to yard San Francisco, \$/gross ton	12 Oct 2021	300 - 320	-3.13%	Sep 2021	317.5 - 336.25

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	12 Oct 2021	81 - 84	2.48%	Sep 2021	82.25 - 85.75
MB-ST5-0139	Stainless steel scrap 304 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	12 Oct 2021	1814 - 1882	2.50%	Sep 2021	1842.5 - 1920.75
MB-ST5-0147	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Southeast US, US cents/lb	05 Oct 2021	38 - 56	-2.08%	Sep 2021	38 - 58
MB-ST5-0159	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard Southeast US, \$/gross ton	05 Oct 2021	851 - 1254	-2.09%	Sep 2021	851 - 1299
MB-ST5-0138	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Southeast US, \$/gross ton	12 Oct 2021	1926 - 1994	3.54%	Sep 2021	1949 - 2038.25
MB-ST5-0150	Stainless steel scrap 304 solids, clips, broker buying price, delivered to processor Southeast US, US cents/lb	12 Oct 2021	86 - 89	3.55%	Sep 2021	87 - 91
MB-ST5-0158	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Southeast US, \$/gross ton	05 Oct 2021	1120 - 1344	-4.35%	Sep 2021	1120 - 1456
MB-ST5-0146	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard Southeast US, US cents/lb	05 Oct 2021	50 - 60	-4.35%	Sep 2021	50 - 65
MB-ST5-0145	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Southeast US, US cents/lb	05 Oct 2021	50 - 60	-4.35%	Sep 2021	50 - 65
MB-ST5-0157	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard Southeast US, \$/gross ton	05 Oct 2021	1120 - 1344	-4.35%	Sep 2021	1120 - 1456
MB-ST5-0161	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Southeast US, \$/gross ton	05 Oct 2021	403 - 560	0.00%	Sep 2021	403 - 560
MB-ST5-0155	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Southeast US, US cents/lb	12 Oct 2021	30 - 36	-4.35%	Sep 2021	32.75 - 35.75
MB-ST5-0143	Stainless steel scrap 430 bundles, solids, broker buying price, delivered to processor Southeast US, \$/gross ton	12 Oct 2021	672 - 806	-4.40%	Sep 2021	733.75 - 800.5
MB-ST5-0144	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	12 Oct 2021	672 - 694	0.00%	Sep 2021	593.5 - 728
MB-ST5-0156	Stainless steel scrap 430 turnings, broker buying price, delivered to processor Southeast US, US cents/lb	12 Oct 2021	30 - 31	0.00%	Sep 2021	26.5 - 32.5
MB-ST5-0149	Stainless steel scrap 430 new clips, dealer buying price, delivered to yard Southeast US, US cents/lb	05 Oct 2021	18 - 25	0.00%	Sep 2021	18 - 25
MB-ST5-0154	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Southeast US, US cents/lb	12 Oct 2021	25 - 26	2.00%	Sep 2021	21.25 - 27.25
MB-ST5-0142	Stainless steel scrap 409 turnings, broker buying price, delivered to processor Southeast US, \$/gross ton	12 Oct 2021	560 - 582	1.96%	Sep 2021	476 - 610.25



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	12 Oct 2021	650 - 694	1.74%	Sep 2021	649.75 - 716.75
MB-ST5-0153	Stainless steel scrap 409 bundles, solids, broker buying price, delivered to processor Southeast US, US cents/lb	12 Oct 2021	29 - 31	1.69%	Sep 2021	29 - 32
MB-ST5-0160	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Southeast US, \$/gross ton	05 Oct 2021	1568 - 1882	0.00%	Sep 2021	1568 - 1882
MB-ST5-0148	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard Southeast US, US cents/lb	05 Oct 2021	70 - 84	0.00%	Sep 2021	70 - 84
MB-ST5-0152	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Southeast US, US cents/lb	12 Oct 2021	118 - 120	1.28%	Sep 2021	118 - 120.75
MB-ST5-0140	Stainless steel scrap 316 solids, clips, broker buying price, delivered to processor Southeast US, \$/gross ton	12 Oct 2021	2643 - 2688	1.27%	Sep 2021	2643.25 - 2704.75

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	05 Oct 2021	672 - 717	3.35%	Sep 2021	650 - 694
MB-ST5-0291	Stainless steel scrap 304 turnings, dealer buying price, delivered to yard West Coast, US cents/lb	05 Oct 2021	30 - 32	3.33%	Sep 2021	29 - 31
MB-ST5-0302	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard West Coast, \$/gross ton	05 Oct 2021	1030 - 1098	2.16%	Sep 2021	1008 - 1075
MB-ST5-0292	Stainless steel scrap 304 new clips, dealer buying price, delivered to yard West Coast, US cents/lb	05 Oct 2021	46 - 49	2.15%	Sep 2021	45 - 48
MB-ST5-0300	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard West Coast, \$/gross ton	05 Oct 2021	1030 - 1098	2.16%	Sep 2021	1008 - 1075
MB-ST5-0290	Stainless steel scrap 304 solids, clips, dealer buying price, delivered to yard West Coast, US cents/lb	05 Oct 2021	46 - 49	2.15%	Sep 2021	45 - 48
MB-ST5-0299	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard West Coast, \$/gross ton	05 Oct 2021	1389 - 1434	3.29%	Sep 2021	1344 - 1389
MB-ST5-0289	Stainless steel scrap 316 solids, clips, dealer buying price, delivered to yard West Coast, US cents/lb	05 Oct 2021	62 - 64	3.28%	Sep 2021	60 - 62

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	14 Oct 2021	270 - 285	1.83%	Sep 2021	265 - 280
MB-STE-0432	Steel scrap 12 A/C new production heavy steel domestic, delivered consumer UK, £/tonne	14 Oct 2021	265 - 280	1.87%	Sep 2021	260 - 275
MB-STE-0430	Steel scrap 7B heavy steel turnings inter-merchant, delivered to export dock UK, £/tonne	14 Oct 2021	190 - 205	0.00%	Sep 2021	190 - 205
MB-STE-0081	Steel scrap 4C new steel bales domestic, delivered consumer UK, £/tonne	14 Oct 2021	260 - 275	1.90%	Sep 2021	255 - 270
MB-STE-0087	Steel scrap OA plate and structural domestic, delivered consumer UK, £/tonne	14 Oct 2021	230 - 245	0.00%	Sep 2021	230 - 245
MB-STE-0080	Steel scrap 4A new steel bales domestic, delivered consumer UK, £/tonne	14 Oct 2021	270 - 285	1.83%	Sep 2021	265 - 280
MB-STE-0084	Steel scrap 8B new loose light cuttings domestic, delivered consumer UK, £/tonne	14 Oct 2021	245 - 260	2.02%	Sep 2021	240 - 255



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0085	Steel scrap 9A/10 heavy and light cast iron domestic, delivered consumer UK, £/tonne	14 Oct 2021	220 - 235	0.00%	Sep 2021	220 - 235
MB-STE-0078	Steel scrap 11A cast iron borings (low P) domestic, delivered consumer UK, £/tonne	14 Oct 2021	180 - 190	0.00%	Sep 2021	180 - 190
MB-STE-0086	Steel scrap 9B/C cylinder block scrap domestic, delivered consumer UK, £/tonne	14 Oct 2021	240 - 255	0.00%	Sep 2021	240 - 255
MB-STE-0083	Steel scrap 8A new loose light cuttings domestic, delivered consumer UK, £/tonne	14 Oct 2021	260 - 275	1.90%	Sep 2021	255 - 270
MB-STE-0077	Steel scrap 1&2 old steel domestic, delivered consumer UK, £/tonne	14 Oct 2021	210 - 225	0.00%	Sep 2021	210 - 225
MB-ST5-0012	Steel scrap 5C loose old light domestic, delivered inter-merchant UK, £/tonne	15 Oct 2021	170 - 190	0.00%	Sep 2021	170 - 187.5
MB-STE-0167	Steel scrap No E3 (old thick scrap) domestic, delivered mill Italy, €/tonne	14 Sep 2021	380 - 410	-9.20%	Sep 2021	380 - 410
MB-STE-0169	Steel scrap No E3 (old thick steel scrap) domestic, delivered mill Germany, €/tonne	15 Sep 2021	390 - 400	-5.95%	Sep 2021	390 - 400
MB-STE-0093	Steel scrap auto bundle scrap domestic, delivered Turkey, lira/tonne	18 Oct 2021	4070 - 4655	9.06%	Sep 2021	3640 - 4205
MB-STE-0415	Steel scrap E8 thin new production steel domestic, delivered consumer Germany, €/tonne	15 Sep 2021	450 - 470	-5.15%	Sep 2021	450 - 470
MB-STE-0168	Steel scrap No E8 (thin new production steel scrap) domestic, delivered mill Italy, €/tonne	14 Sep 2021	450 - 460	-5.21%	Sep 2021	450 - 460
MB-STE-0414	Steel scrap E40 shredded domestic, delivered consumer Germany, €/tonne	15 Sep 2021	395 - 410	-9.04%	Sep 2021	395 - 410
MB-STE-0849	Steel scrap E40 shredded, delivered to mill Italy, €/tonne	14 Sep 2021	430 - 450	-4.35%	Sep 2021	430 - 450

Europe export

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0095	Steel scrap shredded import, cfr delivered Turkish port, \$/tonne	15 Oct 2021	478 - 510	7.63%	Sep 2021	452 - 460.25
MB-STE-0096	Steel scrap HMS 1&2 (75:25 mix) import, cfr delivered Turkish port, \$/tonne	15 Oct 2021	479 - 481	9.09%	Sep 2021	426.75 - 429.25
MB-STE-0097	Steel scrap HMS 1&2 (75:25 mix) export, fob Rotterdam, \$/tonne	15 Oct 2021	439 - 441	10.00%	Sep 2021	386.75 - 389.25
MB-STE-0098	Steel scrap shredded export, fob Rotterdam, \$/tonne	15 Oct 2021	456 - 465	10.96%	Sep 2021	407.5 - 409.25
MB-STE-0099	Steel scrap shredded export, fob main port UK, \$/tonne	15 Oct 2021	440 - 467	8.10%	Sep 2021	406.75 - 409.25
MB-STE-0100	Steel scrap HMS 1&2 (80:20 mix) export, fob main port UK, \$/tonne	15 Oct 2021	420 - 447	7.17%	Sep 2021	401.75 - 429.25
MB-STE-0416	Steel scrap HMS 1&2 (80:20 mix) North Europe origin, cfr Turkey, \$/tonne	18 Oct 2021	483.31	0.00%	Sep 2021	435.19
MB-STE-0894	Steel scrap, HMS 1&2 (80:20 mix), month-to-date deal-weighted average, North Europe origin, cfr Turkey, \$/tonne	18 Oct 2021	446.33	0.00%	Sep 2021	443.29
MB-STE-0417	Steel scrap HMS 1&2 (80:20 mix) US origin, cfr Turkey, \$/tonne	18 Oct 2021	489.99	0.00%	Sep 2021	440.97
MB-STE-0420	Steel scrap HMS 1&2 (80:20 mix), fob Rotterdam, \$/tonne	15 Oct 2021	429.14	6.89%	Sep 2021	397.3

European stainless steel scrap

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0008	Stainless steel scrap 18/8 solids import, cif main European port, €/tonne	15 Oct 2021	1670 - 1710	2.42%	Sep 2021	1660 - 1697.5
MB-ST5-0011	Stainless steel scrap 18/8 turnings domestic, delivered merchants UK, £/tonne	15 Oct 2021	1160 - 1220	3.25%	Sep 2021	1170 - 1256.25
MB-ST5-0010	Stainless steel scrap 18/8 solids domestic, delivered merchants UK, £/tonne	15 Oct 2021	1330 - 1400	3.02%	Sep 2021	1345 - 1407.5
MB-ST5-0009	Stainless steel scrap 18/8 turnings import, cif main European port, €/tonne	15 Oct 2021	1505 - 1540	2.70%	Sep 2021	1495 - 1527.5



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ST5-0013	Stainless steel scrap 12-13% Cr solids domestic, delivered merchants UK, £/tonne	15 Oct 2021	350 - 370	0.00%	Sep 2021	350 - 370
MB-ST5-0014	Stainless steel scrap 16-17% Cr solids domestic, delivered merchants UK, £/tonne	15 Oct 2021	390 - 410	0.00%	Sep 2021	390 - 410
MB-ST5-0261	Stainless steel scrap 316 solids import, cif main port Europe, €/tonne	15 Oct 2021	2420 - 2470	0.62%	Sep 2021	2360 - 2435
MB-ST5-0262	Stainless steel scrap 316 turnings import, cif main port Europe, €/tonne	15 Oct 2021	2180 - 2225	0.80%	Sep 2021	2125 - 2192.5
MB-ST5-0260	Stainless steel scrap 316 turnings domestic, delivered merchants UK, £/tonne	15 Oct 2021	1695 - 1845	0.00%	Sep 2021	1700 - 1768.75
MB-ST5-0259	Stainless steel scrap 316 solids domestic, delivered merchants UK, £/tonne	15 Oct 2021	2000 - 2050	0.00%	Sep 2021	1955 - 2015

Asia domestic and export

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-STE-0149	Steel scrap heavy scrap domestic, delivered mill China, yuan/tonne	15 Oct 2021	3770 - 3860	2.28%	Sep 2021	3684 - 3756
MB-STE-0889	Steel scrap, index, heavy recycled steel materials, cfr east China, \$/tonne	18 Oct 2021	525.42	-0.47%	Sep 2021	522.86
MB-STE-0895	Steel scrap, index, heavy recycled steel materials, cfr north China, \$/tonne	18 Oct 2021	535.42	-0.46%	Sep 2021	532.86
MB-STE-0464	Steel scrap HMS 1&2 (80:20 mix) US material import, cfr main port Taiwan, \$/tonne	18 Oct 2021	475 - 477	0.00%	Sep 2021	456.23 - 457
MB-STE-0874	Steel scrap H2 export, fob main port Japan, ¥/tonne	13 Oct 2021	52000 - 54000	4.95%	Sep 2021	46000 - 47600
MB-STE-0875	Steel scrap shredded export, fob main port Japan, ¥/tonne	13 Oct 2021	59000	0.85%	Sep 2021	56100 - 57700
MB-STE-0876	Steel scrap Shindachi export, fob main port Japan, ¥/tonne	13 Oct 2021	65000 - 66000	1.55%	Sep 2021	62800 - 64000
MB-STE-0877	Steel scrap heavy scrap (HS) export, fob main port Japan, ¥/tonne	13 Oct 2021	62000 - 63000	2.46%	Sep 2021	58200 - 60000
MB-STE-0878	Steel scrap H2 Japan-origin import, cfr Vietnam, \$/tonne	15 Oct 2021	530 - 540	2.88%	Sep 2021	473.75 - 478.75
MB-STE-0783	Steel scrap HMS 1&2 (80:20), cfr Vietnam, \$/tonne	15 Oct 2021	545	4.41%	Sep 2021	495 - 503.75
MB-STE-0879	Steel scrap H2 Japan origin import, cfr main port South Korea, ¥/tonne	15 Oct 2021	56500 - 58500	1.77%	Sep 2021	49625 - 50875
MB-STE-0880	Steel scrap HMS 1&2 (80:20) deep-sea origin import, cfr South Korea, \$/tonne	15 Oct 2021	522.5 - 535	3.17%	Sep 2021	
MB-STE-0421	Steel scrap shredded, index, import, cfr Nhava Sheva, India \$/tonne	15 Oct 2021	540.55	0.90%	Sep 2021	517.78
MB-STE-0413	Steel scrap HMS 1&2 (80:20 mix) import, cfr Nhava Sheva, India, \$/tonne	15 Oct 2021	470 - 500	1.57%	Sep 2021	445 - 465
MB-STE-0881	Steel scrap HMS 1&2 (80:20) deep-sea origin import, cfr Bangladesh, \$/tonne	14 Oct 2021	545 - 550	2.82%	Sep 2021	511 - 517
MB-STE-0884	Steel scrap HMS 1&2 (80:20) containerized import, cfr Bangladesh, \$/tonne	14 Oct 2021	525 - 530	1.44%	Sep 2021	495.8 - 505
MB-STE-0885	Steel scrap shredded containerized import, cfr Bangladesh, \$/tonne	14 Oct 2021	560 - 565	1.81%	Sep 2021	536 - 542
MB-STE-0886	Steel scrap shredded deep-sea origin import, cfr Bangladesh, \$/tonne	14 Oct 2021	555 - 560	2.77%	Sep 2021	521 - 528
MB-STE-0887	Steel scrap shredded, index, import, cfr Port Qasim, Pakistan \$/tonne	15 Oct 2021	546.22	2.08%	Sep 2021	525.65

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	18 Oct 2021	482.6	0.00%	Sep 2021	390.9
MB-AL-0329	Aluminium P1020A premium, cif Taiwan, \$/tonne	05 Oct 2021	190 - 215	1.25%	Sep 2021	180 - 205
MB-AL-0001	Aluminium P1020A (MJP) quarterly premium, cif Japan, \$/tonne	05 Oct 2021	215 - 220	21.85%	Sep 2021	172 - 185
MB-AL-0343	Aluminium P1020A (MJP) spot premium, cif Japan, \$/tonne	15 Oct 2021	185 - 200	0.00%	Sep 2021	175.63 - 188.75
MB-AL-0328	Aluminium P1020A premium, bonded in-whs, Shanghai, \$/tonne	28 Sep 2021	170 - 190	0.00%	Sep 2021	170 - 190
MB-AL-0345	Aluminium P1020A premium, cif Shanghai, \$/tonne	28 Sep 2021	180 - 200	11.76%	Sep 2021	180 - 200
MB-AL-0307	Aluminium P1020A premium, fca South Korea, \$/tonne	12 Oct 2021	190 - 200	0.00%	Sep 2021	157.5 - 167.5
MB-AL-0344	Aluminium P1020A premium, cif South Korea, \$/tonne	12 Oct 2021	175 - 185	0.00%	Sep 2021	142.5 - 152.5
MB-AL-0316	Aluminium P1020A premium, fca dp Italy, \$/tonne	12 Oct 2021	430 - 440	0.00%	Sep 2021	433.75 - 443.75
MB-AL-0346	Aluminium P1020A premium, in-whs dup Rotterdam, \$/tonne	18 Oct 2021	295 - 305	0.00%	Sep 2021	299.77 - 310
MB-AL-0004	Aluminium P1020A premium, in-whs dp Rotterdam, \$/tonne	15 Oct 2021	340 - 360	-6.04%	Sep 2021	377.5 - 388.13
MB-AL-0319	Aluminium P1020A premium, fca dp Spain, \$/tonne	05 Oct 2021	435 - 445	0.00%	Sep 2021	430 - 440
MB-AL-0337	Aluminium P1020A premium, cif dup Turkey, \$/tonne	05 Oct 2021	320 - 330	-2.99%	Sep 2021	325 - 335
MB-AL-0020	Aluminium P1020A premium, ddp Midwest US, US cents/lb	15 Oct 2021	34.75 - 36	0.00%	Sep 2021	34.5 - 36
MB-AL-0021	Aluminium P1020A premium, delivered Sao Paulo region, \$/tonne	05 Oct 2021	400 - 420	7.89%	Sep 2021	360 - 400
MB-AL-0022	Aluminium P1020A premium, cif dup Brazilian main ports, \$/tonne	05 Oct 2021	420 - 450	6.10%	Sep 2021	390 - 410
MB-AL-0381	Aluminium low-carbon differential P1020A, Europe, \$/tonne	01 Oct 2021	0 - 7	40.00%	Sep 2021	0 - 5
MB-AL-0377	Aluminium P1020A premium, in-whs dup Rotterdam, inferred low-carbon midpoint, \$/tonne	18 Oct 2021	303.5	0.00%	Sep 2021	307.39
MB-AL-0378	Aluminium P1020A premium, in-whs dp Rotterdam, inferred low-carbon midpoint, \$/tonne	15 Oct 2021	353.5	-5.98%	Sep 2021	385.31

Copper premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0386	Copper grade A cathode premium, cif Taiwan, \$/tonne	05 Oct 2021	70 - 80	0.00%	Sep 2021	70 - 80
MB-CU-0405	Copper grade A cathode premium, in-whs Shanghai, \$/tonne	18 Oct 2021	100 - 115	-8.51%	Sep 2021	91.14 - 107.05
MB-CU-0383	Copper grade A cathode ER premium, bonded in-whs Shanghai, \$/tonne	18 Oct 2021	110 - 115	-8.16%	Sep 2021	97.73 - 107.05
MB-CU-0382	Copper grade A cathode SX-EW premium, bonded in-whs Shanghai, \$/tonne	18 Oct 2021	100 - 110	-8.70%	Sep 2021	91.14 - 97.95
MB-CU-0403	Copper grade A cathode premium, cif Shanghai, \$/tonne	18 Oct 2021	90 - 105	-4.88%	Sep 2021	79.59 - 97
MB-CU-0380	Copper grade A cathode ER premium, cif Shanghai, \$/tonne	18 Oct 2021	98 - 105	-7.73%	Sep 2021	88.14 - 97
MB-CU-0384	Copper grade A cathode SX-EW premium, cif Shanghai, \$/tonne	18 Oct 2021	90 - 98	-1.05%	Sep 2021	79.59 - 85.73
MB-CU-0399	Copper grade A cathode premium, cif Southeast Asia, \$/tonne	12 Oct 2021	80 - 90	13.33%	Sep 2021	65 - 72.5
MB-CU-0404	Copper grade A cathode premium, cif South Korea, \$/tonne	05 Oct 2021	75 - 80	0.00%	Sep 2021	67.5 - 72.5
MB-CU-0372	Copper grade A cathode premium, delivered Germany, \$/tonne	05 Oct 2021	75 - 90	0.00%	Sep 2021	75 - 90
MB-CU-0406	Copper grade A cathode premium, cif Leghorn, \$/tonne	05 Oct 2021	70 - 80	-3.23%	Sep 2021	67.5 - 80



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0369	Copper grade A cathode premium, cif Rotterdam, \$/tonne	05 Oct 2021	45 - 55	0.00%	Sep 2021	45 - 55
MB-CU-0002	Copper grade 1 cathode premium, ddp Midwest US, US cents/lb	12 Oct 2021	8 - 9	0.00%	Sep 2021	8 - 9
MB-CU-0411	Copper EQ cathode premium, cif Europe, \$/tonne	05 Oct 2021	10 - 30	0.00%	Sep 2021	10 - 30
MB-CU-0412	Copper EQ cathode premium, cif Shanghai, \$/tonne	05 Oct 2021	15 - 35	0.00%	Sep 2021	10 - 27.5

Lead premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0084	Lead 99.97% ingot premium, cif Taiwan, \$/tonne	05 Oct 2021	100 - 115	0.00%	Sep 2021	100 - 115
MB-PB-0083	Lead 99.99% ingot premium, cif Taiwan, \$/tonne	05 Oct 2021	125 - 135	4.00%	Sep 2021	120 - 130
MB-PB-0087	Lead 99.97% ingot premium, cif India, \$/tonne	12 Oct 2021	60 - 130	0.00%	Sep 2021	60 - 130
MB-PB-0086	Lead 99.99% ingot premium, cif India, \$/tonne	12 Oct 2021	130 - 140	0.00%	Sep 2021	130 - 140
MB-PB-0107	Lead 99.97% ingot premium, cif Southeast Asia, \$/tonne	12 Oct 2021	80 - 90	0.00%	Sep 2021	80 - 90
MB-PB-0108	Lead 99.99% ingot premium, cif Southeast Asia, \$/tonne	12 Oct 2021	125 - 145	0.00%	Sep 2021	125 - 145
MB-PB-0099	Lead 99.99% ingot premium, delivered Midwest US, US cents/lb	12 Oct 2021	17 - 19	0.00%	Sep 2021	17 - 19
MB-PB-0006	Lead 99.97% ingot premium, ddp Midwest US, US cents/lb	12 Oct 2021	15 - 18	0.00%	Sep 2021	15 - 18

Tin premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-SN-0038	Tin 99.9% ingot premium, cif Taiwan, \$/tonne	05 Oct 2021	350 - 450	0.00%	Sep 2021	350 - 450
MB-SN-0002	Tin 99.9% ingot premium, in-whs Rotterdam, \$ per tonne	05 Oct 2021	1200 - 1700	-3.33%	Sep 2021	1350 - 1750
MB-SN-0029	Tin 99.9% low lead ingot premium, in-whs Rotterdam, \$/tonne	05 Oct 2021	1600 - 1800	-10.53%	Sep 2021	1900 - 2100
MB-SN-0036	Tin 99.85% ingot premium, in-whs Baltimore, \$/tonne	05 Oct 2021	2300 - 3500	-17.14%	Sep 2021	3000 - 4000
MB-SN-0011	Tin grade A min 99.85% ingot premium, ddp Midwest US, \$/tonne	05 Oct 2021	2490 - 3670	-17.32%	Sep 2021	3150 - 4300

Zinc premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0116	Zinc SHG 99.995% ingot premium, cif Taiwan \$/tonne	05 Oct 2021	125 - 135	4.00%	Sep 2021	120 - 130
MB-ZN-0106	Zinc SHG min 99.995% ingot premium, cif Shanghai, \$/per tonne	12 Oct 2021	90 - 110	0.00%	Sep 2021	90 - 110
MB-ZN-0119	Zinc min 99.995% ingot premium, in-whs Shanghai, \$/tonne	12 Oct 2021	90 - 110	0.00%	Sep 2021	90 - 110
MB-ZN-0113	Zinc SHG 99.995% ingot premium, fca Singapore, \$/per tonne	05 Oct 2021	100 - 125	2.27%	Sep 2021	100 - 120
MB-ZN-0115	Zinc SHG 99.995% ingot premium, fca Malaysia, \$/per tonne	05 Oct 2021	100 - 125	2.27%	Sep 2021	100 - 120
MB-ZN-0093	Zinc SHG min 99.995% ingot premium, cif Southeast Asia, \$/tonne	05 Oct 2021	125 - 135	4.00%	Sep 2021	120 - 130
MB-ZN-0001	Zinc SHG min 99.995% ingot premium, dp fca Rotterdam, \$/tonne	12 Oct 2021	160 - 180	0.00%	Sep 2021	141.25 - 165
MB-ZN-0099	Zinc SHG min 99.995% ingot premium, dp fca Antwerp, \$/tonne	12 Oct 2021	160 - 180	0.00%	Sep 2021	141.25 - 165
MB-ZN-0103	Zinc SHG min 99.995% ingot premium, fca dp Italy, \$/tonne	05 Oct 2021	180 - 190	2.78%	Sep 2021	167.5 - 177.5
MB-ZN-0102	Zinc SHG min 99.995% ingot premium, ddp Italy, \$/per tonne	05 Oct 2021	200 - 230	6.17%	Sep 2021	190 - 205
MB-ZN-0005	Zinc SHG min 99.995% ingot premium, ddp Midwest US, US cents/lb	12 Oct 2021	12 - 14	30.00%	Sep 2021	9.19 - 10.25



Nickel premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NI-0245	Nickel min 99.8% briquette premium, cif Shanghai, \$/tonne	28 Sep 2021	180 - 220	14.29%	Sep 2021	180 - 220
MB-NI-0143	Nickel min 99.8% full plate premium, in-whs Shanghai, \$/tonne	12 Oct 2021	330 - 350	0.00%	Sep 2021	330 - 350
MB-NI-0142	Nickel min 99.8% full plate premium, cif Shanghai, \$/tonne	12 Oct 2021	320 - 350	0.00%	Sep 2021	320 - 350
MB-NI-0003	Nickel uncut cathode premium, in-whs Rotterdam, \$/tonne	12 Oct 2021	40 - 75	0.00%	Sep 2021	40 - 75
MB-NI-0001	Nickel 4x4 cathode premium, in-whs Rotterdam, \$/tonne	12 Oct 2021	165 - 220	0.00%	Sep 2021	165 - 220
MB-NI-0002	Nickel briquette premium, in-whs Rotterdam, \$/tonne	12 Oct 2021	130 - 150	0.00%	Sep 2021	130 - 150
MB-NI-0240	Nickel 4x4 cathode premium, delivered Midwest US, US cents/lb	12 Oct 2021	45 - 55	0.00%	Sep 2021	45 - 55
MB-NI-0241	Nickel briquette premium, delivered Midwest US, US cents/lb	12 Oct 2021	45 - 55	0.00%	Sep 2021	42.75 - 46.25

Base metals warrant premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0334	Aluminium P1020A, warrant premium, in-whs East Asia, \$/tonne	13 Oct 2021	65 - 100	0.00%	Sep 2021	54 - 87
MB-AL-0333	Aluminium P1020A warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	50 - 100	11.11%	Sep 2021	48 - 87
MB-AL-0338	Aluminium P1020A warrant premium, in-whs US, \$/tonne	13 Oct 2021	115 - 125	0.00%	Sep 2021	115 - 125
MB-CU-0398	Copper grade A cathode warrant premium, in-whs East Asia \$/tonne	13 Oct 2021	25 - 40	0.00%	Sep 2021	24 - 37
MB-CU-0397	Copper grade A cathode warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	25 - 40	0.00%	Sep 2021	24 - 37
MB-CU-0400	Copper grade A cathode warrant premium, in-whs North Europe, \$/tonne	13 Oct 2021	5 - 10	0.00%	Sep 2021	5 - 10
MB-CU-0401	Copper grade A cathode warrant premium, in-whs South Europe, \$/tonne	13 Oct 2021	15 - 25	0.00%	Sep 2021	15 - 25
MB-CU-0377	Copper grade A cathode warrant premium, in-whs US, \$/tonne	13 Oct 2021	20 - 25	0.00%	Sep 2021	20 - 25
MB-PB-0106	Lead min 99.97% ingot warrant premium, in-whs East Asia \$/tonne	13 Oct 2021	5 - 20	0.00%	Sep 2021	14 - 24
MB-PB-0105	Lead min 99.97% ingot warrant premium, in-whs Southeast Asia \$/tonne	13 Oct 2021	5 - 20	0.00%	Sep 2021	14 - 24
MB-PB-0109	Lead 99.97% ingot warrant premium, in-whs North Europe, \$/tonne	13 Oct 2021	10 - 30	0.00%	Sep 2021	20 - 34
MB-PB-0110	Lead 99.97% ingot warrant premium, in-whs South Europe, \$/tonne	13 Oct 2021	20 - 30	0.00%	Sep 2021	22 - 36
MB-PB-0097	Lead 99.97% ingot warrant premium, in-whs US, \$/tonne	13 Oct 2021	20 - 30	0.00%	Sep 2021	20 - 30
MB-NI-0138	Nickel min 99.8% briquette warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	30 - 50	6.67%	Sep 2021	36 - 52
MB-NI-0140	Nickel min 99.8% briquette warrant premium, in-whs East Asia, \$/tonne	13 Oct 2021	40 - 50	0.00%	Sep 2021	34 - 50
MB-NI-0137	Nickel min 99.8% full plate warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	35 - 45	14.29%	Sep 2021	30 - 45
MB-NI-0139	Nickel min 99.8% full plate warrant premium, in-whs East Asia, \$/tonne	13 Oct 2021	30 - 40	0.00%	Sep 2021	30 - 45
MB-NI-0141	Nickel min 99.8% warrant premium, in-whs North Europe, \$/tonne	13 Oct 2021	30 - 130	0.00%	Sep 2021	44 - 146
MB-SN-0042	Tin min 99.85% ingot warrant premium, in-whs South East Asia, \$/tonne	13 Oct 2021	50 - 150	0.00%	Sep 2021	60 - 140
MB-ZN-0117	Zinc SHG min 99.995% warrant premium, in-whs North Europe, \$/tonne	13 Oct 2021	80 - 100	0.00%	Sep 2021	68 - 84
MB-ZN-0104	Zinc SHG min 99.995% warrant premium, in-whs US, \$/per tonne	13 Oct 2021	10 - 15	0.00%	Sep 2021	10 - 15
MB-ZN-0123	Zinc SHG min 99.995% warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	10 - 20	-14.29%	Sep 2021	12 - 21

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	15 Oct 2021	185 - 200	0.00%	Sep 2021	175.63 - 188.75
MB-AL-0001	Aluminium P1020A (MJP) quarterly premium, cif Japan, \$/tonne	05 Oct 2021	215 - 220	21.85%	Sep 2021	172 - 185
MB-AL-0344	Aluminium P1020A premium, cif South Korea, \$/tonne	12 Oct 2021	175 - 185	0.00%	Sep 2021	142.5 - 152.5
MB-AL-0307	Aluminium P1020A premium, fca South Korea, \$/tonne	12 Oct 2021	190 - 200	0.00%	Sep 2021	157.5 - 167.5
MB-AL-0329	Aluminium P1020A premium, cif Taiwan, \$/tonne	05 Oct 2021	190 - 215	1.25%	Sep 2021	180 - 205
MB-AL-0328	Aluminium P1020A premium, bonded in-whs, Shanghai, \$/tonne	28 Sep 2021	170 - 190	0.00%	Sep 2021	170 - 190
MB-AL-0345	Aluminium P1020A premium, cif Shanghai, \$/tonne	28 Sep 2021	180 - 200	11.76%	Sep 2021	180 - 200
MB-AL-0346	Aluminium P1020A premium, in-whs dup Rotterdam, \$/tonne	18 Oct 2021	295 - 305	0.00%	Sep 2021	299.77 - 310
MB-AL-0004	Aluminium P1020A premium, in-whs dp Rotterdam, \$/tonne	15 Oct 2021	340 - 360	-6.04%	Sep 2021	377.5 - 388.13
MB-AL-0316	Aluminium P1020A premium, fca dp Italy, \$/tonne	12 Oct 2021	430 - 440	0.00%	Sep 2021	433.75 - 443.75
MB-AL-0319	Aluminium P1020A premium, fca dp Spain, \$/tonne	05 Oct 2021	435 - 445	0.00%	Sep 2021	430 - 440
MB-AL-0021	Aluminium P1020A premium, delivered Sao Paulo region, \$/tonne	05 Oct 2021	400 - 420	7.89%	Sep 2021	360 - 400
MB-AL-0022	Aluminium P1020A premium, cif dup Brazilian main ports, \$/tonne	05 Oct 2021	420 - 450	6.10%	Sep 2021	390 - 410
MB-AL-0020	Aluminium P1020A premium, ddp Midwest US, US cents/lb	15 Oct 2021	34.75 - 36	0.00%	Sep 2021	34.5 - 36
MB-AL-0231	Aluminum P1020A all-in price, delivered Midwest US, US cents/lb	18 Oct 2021	178.36 - 179.61	0.60%	Sep 2021	163.24 - 164.74
MB-AL-0337	Aluminium P1020A premium, cif dup Turkey, \$/tonne	05 Oct 2021	320 - 330	-2.99%	Sep 2021	325 - 335
MB-AL-0381	Aluminium low-carbon differential P1020A, Europe, \$/tonne	01 Oct 2021	0 - 7	40.00%	Sep 2021	0 - 5
MB-AL-0378	Aluminium P1020A premium, in-whs dp Rotterdam, inferred low-carbon midpoint, \$/tonne	15 Oct 2021	353.5	-5.98%	Sep 2021	385.31
MB-AL-0377	Aluminium P1020A premium, in-whs dup Rotterdam, inferred low-carbon midpoint, \$/tonne	18 Oct 2021	303.5	0.00%	Sep 2021	307.39
MB-AL-0333	Aluminium P1020A warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	50 - 100	11.11%	Sep 2021	48 - 87
MB-AL-0334	Aluminium P1020A, warrant premium, in-whs East Asia, \$/tonne	13 Oct 2021	65 - 100	0.00%	Sep 2021	54 - 87
MB-AL-0338	Aluminium P1020A warrant premium, in-whs US, \$/tonne	13 Oct 2021	115 - 125	0.00%	Sep 2021	115 - 125
MB-AL-0297	Aluminium 6063 extrusion billet premium, cif Thailand, \$/tonne	24 Sep 2021	465 - 485	25.00%	Sep 2021	465 - 485
MB-AL-0298	Aluminium 6063 extrusion quarterly billet premium, cif MJP, \$/tonne	15 Oct 2021	180 - 200	16.92%	Sep 2021	150 - 175
MB-AL-0302	Aluminium 6063 extrusion billet premium, ddp North Germany (Ruhr region), \$/tonne	15 Oct 2021	1400 - 1450	0.00%	Sep 2021	1300 - 1350
MB-AL-0300	Aluminium 6063 extrusion billet premium, ddp Italy (Brescia region), \$/tonne	15 Oct 2021	1400 - 1450	0.00%	Sep 2021	1300 - 1350
MB-AL-0299	Aluminium 6063 extrusion billet premium, ddp Spain, \$/tonne	08 Oct 2021	1400 - 1450	3.64%	Sep 2021	1315 - 1365
MB-AL-0002	Aluminium 6063 extrusion billet premium, in-whs dp Rotterdam, \$/tonne	15 Oct 2021	1360 - 1410	0.00%	Sep 2021	1260 - 1310
MB-AL-0296	Aluminium 6063 extrusion billet premium, cif Turkey (Marmara region), \$/tonne	08 Oct 2021	700 - 750	0.00%	Sep 2021	700 - 750
MB-AL-0052	Aluminum 6063 extrusion billet premium, delivered Midwest US, US cents/lb	08 Oct 2021	23 - 27	0.00%	Sep 2021	23 - 27



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-AL-0287	Aluminium 6063 & 6060 extrusion billet premium, cif Brazilian main ports, \$/tonne	08 Oct 2021	650 - 700	6.30%	Sep 2021	610 - 650
MB-AL-0382	Aluminium low-carbon differential value-added product, Europe, \$/tonne	01 Oct 2021	20 - 30	25.00%	Sep 2021	15 - 25
MB-AL-0379	Aluminium 6063 extrusion billet premium, ddp Italy (Brescia region), inferred low-carbon midpoint, \$/tonne	15 Oct 2021	1450	0.00%	Sep 2021	1345
MB-AL-0380	Aluminium 6063 extrusion billet premium, ddp North Germany (Ruhr region), inferred low-carbon midpoint, \$/tonne	15 Oct 2021	1450	0.00%	Sep 2021	1345
MB-AL-0341	Aluminium primary foundry alloy silicon 7 ingot premium, cif dup over P1020A Turkey, \$/tonne	08 Oct 2021	400 - 490	30.88%	Sep 2021	330 - 350
MB-AL-0349	Aluminium primary foundry alloy silicon 7 ingot annual premium, cif MJP, \$/tonne	15 Jan 2021	100 - 120	-15.38%	Sep 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%	Sep 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	08 Oct 2021	11 - 13	0.00%	Sep 2021	11 - 13
MB-AL-0340	Aluminium primary foundry alloy silicon 7 ingot premium, ddp Eastern Europe, \$/tonne	08 Oct 2021	800 - 900	45.30%	Sep 2021	550 - 620
MB-AL-0339	Aluminium primary foundry alloy silicon 7 ingot premium, ddp Germany, \$/tonne	08 Oct 2021	800 - 900	45.30%	Sep 2021	550 - 620
MB-AL-0045	Aluminum 6061 alloyed ingot, US cents/lb	01 Oct 2021	1.78 - 1.84	5.85%	Sep 2021	1.68 - 1.73
MB-AL-0046	Aluminum 6063 alloyed ingot, US cents/lb	01 Oct 2021	1.86 - 1.92	5.59%	Sep 2021	1.76 - 1.81
MB-AL-0277	Aluminum alloy C355.2 ingot, delivered, \$/lb	18 Oct 2021	2.04	0.49%	Sep 2021	1.88
MB-AL-0289	Aluminium import arbitrage, \$/tonne	18 Oct 2021	(66.96)		Sep 2021	21.42
MB-AL-0290	Aluminium import arbitrage, yuan/tonne	18 Oct 2021	(431.88)		Sep 2021	138.62
MB-AL-0256	Aluminium fixing price for LME trade, rand/tonne	18 Oct 2021	46652.51	-0.09%	Sep 2021	41282.98

Metallurgical bauxite & alumina prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ALU-0010	Alumina index inferred, fob Brazil, \$/dmt	18 Oct 2021	517.29	0.00%	Sep 2021	422.06
MB-ALU-0003	Alumina index adjustment to fob Australia index, Brazil, \$/dmt	07 Oct 2021	34.69	3.24%	Sep 2021	33.99
MB-ALU-0002	Alumina index, fob Australia, \$/tonne	18 Oct 2021	482.6	0.00%	Sep 2021	390.9
MB-ALU-0001	Alumina metallurgical grade, exw China, yuan/tonne	14 Oct 2021	3800 - 4100	1.28%	Sep 2021	3310 - 3550
MB-BX-0015	Bauxite, fob Trombetas, Brazil, \$/dmt	16 Sep 2021	32	0.00%	Sep 2021	32
MB-BX-0014	Bauxite, fob Kamsar, Guinea, \$/dmt	16 Sep 2021	29	0.00%	Sep 2021	29

Copper prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0412	Copper EQ cathode premium, cif Shanghai, \$/tonne	05 Oct 2021	15 - 35	0.00%	Sep 2021	10 - 27.5
MB-CU-0411	Copper EQ cathode premium, cif Europe, \$/tonne	05 Oct 2021	10 - 30	0.00%	Sep 2021	10 - 30
MB-CU-0369	Copper grade A cathode premium, cif Rotterdam, \$/tonne	05 Oct 2021	45 - 55	0.00%	Sep 2021	45 - 55
MB-CU-0372	Copper grade A cathode premium, delivered Germany, \$/tonne	05 Oct 2021	75 - 90	0.00%	Sep 2021	75 - 90
MB-CU-0406	Copper grade A cathode premium, cif Leghorn, \$/tonne	05 Oct 2021	70 - 80	-3.23%	Sep 2021	67.5 - 80



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0380	Copper grade A cathode ER premium, cif Shanghai, \$/tonne	18 Oct 2021	98 - 105	-7.73%	Sep 2021	88.14 - 97
MB-CU-0383	Copper grade A cathode ER premium, bonded in-whs Shanghai, \$/tonne	18 Oct 2021	110 - 115	-8.16%	Sep 2021	97.73 - 107.05
MB-CU-0403	Copper grade A cathode premium, cif Shanghai, \$/tonne	18 Oct 2021	90 - 105	-4.88%	Sep 2021	79.59 - 97
MB-CU-0405	Copper grade A cathode premium, in-whs Shanghai, \$/tonne	18 Oct 2021	100 - 115	-8.51%	Sep 2021	91.14 - 107.05
MB-CU-0384	Copper grade A cathode SX-EW premium, cif Shanghai, \$/tonne	18 Oct 2021	90 - 98	-1.05%	Sep 2021	79.59 - 85.73
MB-CU-0382	Copper grade A cathode SX-EW premium, bonded in-whs Shanghai, \$/tonne	18 Oct 2021	100 - 110	-8.70%	Sep 2021	91.14 - 97.95
MB-CU-0399	Copper grade A cathode premium, cif Southeast Asia, \$/tonne	12 Oct 2021	80 - 90	13.33%	Sep 2021	65 - 72.5
MB-CU-0386	Copper grade A cathode premium, cif Taiwan, \$/tonne	05 Oct 2021	70 - 80	0.00%	Sep 2021	70 - 80
MB-CU-0404	Copper grade A cathode premium, cif South Korea, \$/tonne	05 Oct 2021	75 - 80	0.00%	Sep 2021	67.5 - 72.5
MB-CU-0310	Copper grade 1 cathode premium, ddp Midwest US, \$/tonne	12 Oct 2021	176.37 - 198.42	0.00%	Sep 2021	
MB-CU-0002	Copper grade 1 cathode premium, ddp Midwest US, US cents/lb	12 Oct 2021	8 - 9	0.00%	Sep 2021	8 - 9
MB-CU-0309	Copper grade 1 cathode all-in price, ddp Midwest US, US cents/lb	18 Oct 2021	481.05 - 482.05	-0.07%	Sep 2021	434.54 - 435.54
MB-CU-0400	Copper grade A cathode warrant premium, in-whs North Europe, \$/tonne	13 Oct 2021	5 - 10	0.00%	Sep 2021	5 - 10
MB-CU-0401	Copper grade A cathode warrant premium, in-whs South Europe, \$/tonne	13 Oct 2021	15 - 25	0.00%	Sep 2021	15 - 25
MB-CU-0397	Copper grade A cathode warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	25 - 40	0.00%	Sep 2021	24 - 37
MB-CU-0398	Copper grade A cathode warrant premium, in-whs East Asia \$/tonne	13 Oct 2021	25 - 40	0.00%	Sep 2021	24 - 37
MB-CU-0377	Copper grade A cathode warrant premium, in-whs US, \$/tonne	13 Oct 2021	20 - 25	0.00%	Sep 2021	20 - 25
MB-CU-0336	Copper Aurubis grade A cathode annual premium, exw Europe, \$/tonne	16 Jan 2019	96	11.63%	Sep 2021	
MB-CU-0410	Copper rod premium, ddp Midwest US, US cents/lb	07 Oct 2021	21 - 23	0.00%	Sep 2021	21 - 23
MB-CU-0361	Copper import arbitrage, \$/tonne	18 Oct 2021	14.83	-59.83%	Sep 2021	22.69
MB-CU-0362	Copper import arbitrage, yuan/tonne	18 Oct 2021	95.69	-59.76%	Sep 2021	146.92
MB-CU-0338	Copper fixing price for LME trade, rand/tonne	18 Oct 2021	154041.3	-1.14%	Sep 2021	135680.31
MB-CU-0321	Copper Republican copper price for Palabora 7.90mm South Africa Rand per tonne	30 Sep 2021	135678.74	-1.98%	Sep 2021	

Copper concentrate & copper blister prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0287	Copper concentrates TC index, cif Asia Pacific, \$/tonne	15 Oct 2021	59.9	-1.32%	Sep 2021	60.35
MB-CU-0288	Copper concentrates RC index, cif Asia Pacific, US cents/lb	15 Oct 2021	5.99	-1.32%	Sep 2021	6.04
MB-CU-0422	Copper concentrates counterparty spread, \$/tonne	30 Sep 2021	9.36	53.19%	Sep 2021	7.74
MB-CU-0423	Copper Concentrates Co-VIU, \$/tonne	30 Sep 2021	(0.1)		Sep 2021	(0.27)
MB-CU-0508	Copper concentrates TC implied smelters purchase, cif Asia Pacific, \$/tonne	15 Oct 2021	64.58	-1.22%	Sep 2021	63.41
MB-CU-0510	Copper concentrates RC implied smelters purchase, cif Asia Pacific, cents/lb	15 Oct 2021	6.46	-1.22%	Sep 2021	6.34
MB-CU-0509	Copper concentrates TC implied traders purchase, cif Asia Pacific, \$/tonne	15 Oct 2021	55.22	-1.43%	Sep 2021	57.3
MB-CU-0511	Copper concentrates RC implied traders purchase, cif Asia Pacific, cents/lb	15 Oct 2021	5.52	-1.43%	Sep 2021	5.73



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0408	Copper blister 98-99% RC spot, cif China, \$/tonne	30 Sep 2021	150 - 170	-11.11%	Sep 2021	150 - 170
MB-CU-0409	Copper blister 98-99% RC annual benchmark, cif China, \$/tonne	22 Jan 2021	140 - 150	12.40%	Sep 2021	140 - 150

Nickel prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-NI-0241	Nickel briquette premium, delivered Midwest US, US cents/lb	12 Oct 2021	45 - 55	0.00%	Sep 2021	42.75 - 46.25
MB-NI-0242	Nickel 4x4 cathode all-in price, delivered Midwest US, US cents/lb	18 Oct 2021	961.55 - 971.55	1.72%	Sep 2021	923.81 - 933.81
MB-NI-0243	Nickel briquette all-in price, delivered Midwest US, US cents/lb	18 Oct 2021	961.55 - 971.55	1.72%	Sep 2021	920.96 - 924.1
MB-NI-0240	Nickel 4x4 cathode premium, delivered Midwest US, US cents/lb	12 Oct 2021	45 - 55	0.00%	Sep 2021	45 - 55
MB-NI-0245	Nickel min 99.8% briquette premium, cif Shanghai, \$/tonne	28 Sep 2021	180 - 220	14.29%	Sep 2021	180 - 220
MB-NI-0142	Nickel min 99.8% full plate premium, cif Shanghai, \$/tonne	12 Oct 2021	320 - 350	0.00%	Sep 2021	320 - 350
MB-NI-0143	Nickel min 99.8% full plate premium, in-whs Shanghai, \$/tonne	12 Oct 2021	330 - 350	0.00%	Sep 2021	330 - 350
MB-NI-0001	Nickel 4x4 cathode premium, in-whs Rotterdam, \$/tonne	12 Oct 2021	165 - 220	0.00%	Sep 2021	165 - 220
MB-NI-0002	Nickel briquette premium, in-whs Rotterdam, \$/tonne	12 Oct 2021	130 - 150	0.00%	Sep 2021	130 - 150
MB-NI-0003	Nickel uncut cathode premium, in-whs Rotterdam, \$/tonne	12 Oct 2021	40 - 75	0.00%	Sep 2021	40 - 75
MB-NI-0139	Nickel min 99.8% full plate warrant premium, in-whs East Asia, \$/tonne	13 Oct 2021	30 - 40	0.00%	Sep 2021	30 - 45
MB-NI-0137	Nickel min 99.8% full plate warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	35 - 45	14.29%	Sep 2021	30 - 45
MB-NI-0140	Nickel min 99.8% briquette warrant premium, in-whs East Asia, \$/tonne	13 Oct 2021	40 - 50	0.00%	Sep 2021	34 - 50
MB-NI-0138	Nickel min 99.8% briquette warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	30 - 50	6.67%	Sep 2021	36 - 52
MB-NI-0141	Nickel min 99.8% warrant premium, in-whs North Europe, \$/tonne	13 Oct 2021	30 - 130	0.00%	Sep 2021	44 - 146
MB-NI-0244	Nickel sulfate min 21%, max 22.5%; cobalt 10ppm max, exw China, yuan/tonne	15 Oct 2021	35500 - 36000	-1.38%	Sep 2021	36625 - 37625
MB-NI-0246	Nickel sulfate, cif China, Japan and Korea, \$/tonne	01 Oct 2021	4949	0.16%	Sep 2021	4941
MB-NI-0247	Nickel sulfate premium, cif China, Japan and Korea, \$/tonne	01 Oct 2021	2800	-6.67%	Sep 2021	3000
MB-NI-0107	Nickel import arbitrage, yuan/tonne	18 Oct 2021	1270.96	-70.56%	Sep 2021	2115.91
MB-NI-0106	Nickel import arbitrage, \$/tonne	18 Oct 2021	197.04	-70.60%	Sep 2021	326.93
MB-NI-0093	Nickel fixing price for LME trade, rand/tonne	18 Oct 2021	296566.18	1.15%	Sep 2021	282272.64

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	15 Oct 2021	118 - 122	2.13%	Sep 2021	112.5 - 116.5
MB-NIO-0002	Laterite ore with 1.5% Ni content, cif China, \$/tonne	15 Oct 2021	92 - 95	0.00%	Sep 2021	90.5 - 93.5

Lead prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0108	Lead 99.99% ingot premium, cif Southeast Asia, \$/tonne	12 Oct 2021	125 - 145	0.00%	Sep 2021	125 - 145



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-PB-0107	Lead 99.97% ingot premium, cif Southeast Asia, \$/tonne	12 Oct 2021	80 - 90	0.00%	Sep 2021	80 - 90
MB-PB-0084	Lead 99.97% ingot premium, cif Taiwan, \$/tonne	05 Oct 2021	100 - 115	0.00%	Sep 2021	100 - 115
MB-PB-0083	Lead 99.99% ingot premium, cif Taiwan, \$/tonne	05 Oct 2021	125 - 135	4.00%	Sep 2021	120 - 130
MB-PB-0087	Lead 99.97% ingot premium, cif India, \$/tonne	12 Oct 2021	60 - 130	0.00%	Sep 2021	60 - 130
MB-PB-0086	Lead 99.99% ingot premium, cif India, \$/tonne	12 Oct 2021	130 - 140	0.00%	Sep 2021	130 - 140
MB-PB-0099	Lead 99.99% ingot premium, delivered Midwest US, US cents/lb	12 Oct 2021	17 - 19	0.00%	Sep 2021	17 - 19
MB-PB-0006	Lead 99.97% ingot premium, ddp Midwest US, US cents/lb	12 Oct 2021	15 - 18	0.00%	Sep 2021	15 - 18
MB-PB-0056	Lead 99.97% ingot all-in price, ddp Midwest US, US cents/lb	18 Oct 2021	125 - 128	0.93%	Sep 2021	117.08 - 120.08
MB-PB-0109	Lead 99.97% ingot warrant premium, in-whs North Europe, \$/tonne	13 Oct 2021	10 - 30	0.00%	Sep 2021	20 - 34
MB-PB-0110	Lead 99.97% ingot warrant premium, in-whs South Europe, \$/tonne	13 Oct 2021	20 - 30	0.00%	Sep 2021	22 - 36
MB-PB-0106	Lead min 99.97% ingot warrant premium, in-whs East Asia \$/tonne	13 Oct 2021	5 - 20	0.00%	Sep 2021	14 - 24
MB-PB-0105	Lead min 99.97% ingot warrant premium, in-whs Southeast Asia \$/tonne	13 Oct 2021	5 - 20	0.00%	Sep 2021	14 - 24
MB-PB-0097	Lead 99.97% ingot warrant premium, in-whs US, \$/tonne	13 Oct 2021	20 - 30	0.00%	Sep 2021	20 - 30
MB-PB-0064	Lead fixing price for LME trade, rand/tonne	18 Oct 2021	35598.21	0.39%	Sep 2021	32892.79

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%	Sep 2021	98
MB-PB-0100	Lead concentrate TC, low silver, annual benchmark, \$/tonne	15 Mar 2018	99	-28.26%	Sep 2021	99
MB-PB-0103	Lead spot concentrate TC, low silver, cif China, \$/tonne	24 Sep 2021	55 - 70	0.00%	Sep 2021	55 - 70
MB-PB-0104	Lead spot concentrate TC, high silver, cif China, \$/tonne	24 Sep 2021	55 - 70	0.00%	Sep 2021	55 - 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	05 Oct 2021	1600 - 1800	-10.53%	Sep 2021	1900 - 2100
MB-SN-0002	Tin 99.9% ingot premium, in-whs Rotterdam, \$ per tonne	05 Oct 2021	1200 - 1700	-3.33%	Sep 2021	1350 - 1750
MB-SN-0036	Tin 99.85% ingot premium, in-whs Baltimore, \$/tonne	05 Oct 2021	2300 - 3500	-17.14%	Sep 2021	3000 - 4000
MB-SN-0038	Tin 99.9% ingot premium, cif Taiwan, \$/tonne	05 Oct 2021	350 - 450	0.00%	Sep 2021	350 - 450
MB-SN-0012	Tin grade A min 99.85% ingot all-in price, ddp Midwest US, \$/tonne	18 Oct 2021	42040 - 43220	1.55%	Sep 2021	38319.71 - 39405.43
MB-SN-0011	Tin grade A min 99.85% ingot premium, ddp Midwest US, \$/tonne	05 Oct 2021	2490 - 3670	-17.32%	Sep 2021	3150 - 4300
MB-SN-0042	Tin min 99.85% ingot warrant premium, in-whs South East Asia, \$/tonne	13 Oct 2021	50 - 150	0.00%	Sep 2021	60 - 140
MB-SN-0005	Tin rand fixing price for LME trade, rand/tonne	18 Oct 2021	580955.76	1.03%	Sep 2021	508601.02

Zinc prices & premiums

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0115	Zinc SHG 99.995% ingot premium, fca Malaysia, \$/per tonne	05 Oct 2021	100 - 125	2.27%	Sep 2021	100 - 120
MB-ZN-0113	Zinc SHG 99.995% ingot premium, fca Singapore, \$/per tonne	05 Oct 2021	100 - 125	2.27%	Sep 2021	100 - 120



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0093	Zinc SHG min 99.995% ingot premium, cif Southeast Asia, \$/tonne	05 Oct 2021	125 - 135	4.00%	Sep 2021	120 - 130
MB-ZN-0116	Zinc SHG 99.995% ingot premium, cif Taiwan \$/tonne	05 Oct 2021	125 - 135	4.00%	Sep 2021	120 - 130
MB-ZN-0119	Zinc min 99.995% ingot premium, in-whs Shanghai, \$/tonne	12 Oct 2021	90 - 110	0.00%	Sep 2021	90 - 110
MB-ZN-0106	Zinc SHG min 99.995% ingot premium, cif Shanghai, \$/per tonne	12 Oct 2021	90 - 110	0.00%	Sep 2021	90 - 110
MB-ZN-0102	Zinc SHG min 99.995% ingot premium, ddp Italy, \$/per tonne	05 Oct 2021	200 - 230	6.17%	Sep 2021	190 - 205
MB-ZN-0103	Zinc SHG min 99.995% ingot premium, fca dp Italy, \$/tonne	05 Oct 2021	180 - 190	2.78%	Sep 2021	167.5 - 177.5
MB-ZN-0099	Zinc SHG min 99.995% ingot premium, dp fca Antwerp, \$/tonne	12 Oct 2021	160 - 180	0.00%	Sep 2021	141.25 - 165
MB-ZN-0001	Zinc SHG min 99.995% ingot premium, dp fca Rotterdam, \$/tonne	12 Oct 2021	160 - 180	0.00%	Sep 2021	141.25 - 165
MB-ZN-0082	Zinc SHG min 99.995% ingot premium monthly average, delivered UK, £/tonne	01 Oct 2021	2398	3.23%	Sep 2021	2323
MB-ZN-0005	Zinc SHG min 99.995% ingot premium, ddp Midwest US, US cents/lb	12 Oct 2021	12 - 14	30.00%	Sep 2021	9.19 - 10.25
MB-ZN-0061	Zinc SHG min 99.995% ingot all-in price, ddp Midwest US, US cents/lb	18 Oct 2021	184.97 - 186.97	0.51%	Sep 2021	147.08 - 148.18
MB-ZN-0104	Zinc SHG min 99.995% warrant premium, in-whs US, \$/per tonne	13 Oct 2021	10 - 15	0.00%	Sep 2021	10 - 15
MB-ZN-0117	Zinc SHG min 99.995% warrant premium, in-whs North Europe, \$/tonne	13 Oct 2021	80 - 100	0.00%	Sep 2021	68 - 84
MB-ZN-0123	Zinc SHG min 99.995% warrant premium, in-whs Southeast Asia, \$/tonne	13 Oct 2021	10 - 20	-14.29%	Sep 2021	12 - 21
MB-ZN-0083	Zinc import arbitrage, \$/tonne	18 Oct 2021	(224.5)		Sep 2021	(105.03)
MB-ZN-0084	Zinc import arbitrage, yuan/tonne	18 Oct 2021	(1448.05)		Sep 2021	(679.62)
MB-ZN-0072	Zinc rand fixing price for LME trade, rand/tonne	18 Oct 2021	55968.34	-0.10%	Sep 2021	44217.46

Zinc concentrate & zinc alloy prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-ZN-0121	Zinc concentrate TC spot, delivered South China, yuan/tonne	24 Sep 2021	3900 - 4200	-1.22%	Sep 2021	3900 - 4200
MB-ZN-0120	Zinc concentrate TC spot, delivered North China, yuan/tonne	24 Sep 2021	4000 - 4500	-2.30%	Sep 2021	4000 - 4500
MB-ZN-0110	Zinc spot concentrate TC, cif China, \$/per tonne	08 Oct 2021	75 - 88	0.00%	Sep 2021	75 - 90
MB-ZN-0111	Zinc concentrate TC annual benchmark, cif China, \$/per tonne	24 Jul 2019	245	66.67%	Sep 2021	245

Coking coal/coke markets

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

Coking coal/coke/PCI news

COKING COAL DAILY: Prices slightly up; Mongolian coal truck numbers to increase

By Min Li - Monday 18 October

Seaborne coking coal prices increased slightly on Monday October 18. And the number of trucks for transporting Mongolian coal is expected to increase, sources said.

Fastmarkets indices

Premium hard coking coal, cfr Jingtang: \$612.56 per tonne, up by \$1.46 per tonne

Hard coking coal, cfr Jingtang: \$565.06 per tonne, up by \$3.39 per tonne

Premium hard coking coal, fob DBCT: \$400.30 per tonne, up by \$0.69 per tonne

Hard coking coal, fob DBCT: \$340.84 per tonne, up by \$1 per tonne

In the cfr market, no trades were reported on Monday.

“Seaborne prices are at a high level, and we haven’t procured seaborne

materials recently,” a steel mill source in Hebei province said.

“Seaborne prices get supported once there is a new trade, but only several major mills can afford [seaborne materials],” a trading source in Shandong province said on Monday.

The major Mongolia-China coking coal port of Ganqimaodu plans to increase the number of trucks for transporting Mongolian coal to 400-500 trucks per day, sources told Fastmarkets. Since the start of October, the number has averaged at around 300 trucks per day, sources said.

“There is uncertainty due to the Covid-19 cases in Mongolia as well as the lack of drivers,” a trading source in North China said.

In the fob market, coking coal prices were stable.

“It has been very quiet today. I haven’t heard any trades, and [there has been] nothing on the Globalcoal platform,” a trading source in Singapore said on Monday.

“[The market is] quiet and sideways. No one is making a move to buy [seaborne coking coal, which] means there is no strong demand for now,” a steel mill source based in Singapore said.

Dalian Commodity Exchange

The most-traded January coking coal futures contract closed at 3,847 yuan (\$597.65) per tonne on Monday, up by 233 yuan per tonne.

The most-traded January coke contract closed at 4,343.50 yuan per tonne, up by 238 yuan per tonne.

Coking coal/coke/PCI prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-COA-0003	Premium hard coking coal, fob DBCT, \$/dmt	18 Oct 2021	400.3	0.17%	Sep 2021	351.58
MB-COA-0005	Premium hard coking coal, cfr Jingtang, \$/dmt	18 Oct 2021	612.56	0.24%	Sep 2021	528.61
MB-COA-0004	Hard coking coal, fob DBCT, \$/dmt	18 Oct 2021	340.84	0.29%	Sep 2021	293.13
MB-COA-0002	Hard coking coal, cfr Jingtang, \$/dmt	18 Oct 2021	565.06	0.60%	Sep 2021	479.84
MB-COA-0001	Hard coking coal domestic China spot market, Shanxi-origin, delivered Tangshan, yuan/tonne	18 Oct 2021	3690 - 4130	-2.86%	Sep 2021	3752.5 - 4492.5
MB-COA-0008	PCI low-vol, fob DBCT, \$/dmt	15 Oct 2021	280.74	9.90%	Sep 2021	228.26
MB-COA-0007	PCI low-vol, cfr Jingtang, \$/dmt	15 Oct 2021	307.68	8.10%	Sep 2021	262.99
MB-COA-0006	Coke 65% CSR, fob China, \$/tonne	12 Oct 2021	680 - 695	-2.48%	Sep 2021	657.5 - 678.75

Copper raw materials

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

Copper concentrate news

AT A GLANCE: Peru's Buenaventura Q3 output down on lower recovery, blockades

By Renato Rostás - Monday 18 October

A summary of Peru-based miner Buenaventura's output and sales figures for the third quarter of 2021, as stated in its production report published on Friday October 15.

In brief

- Mine production and sales volumes were down year on year due to halted operations at Uchucchacua – near the country capital city, Lima – due to a [blockade by local community members](#) and lower recovery rates at El Brocal, which is east of Uchucchacua.
- Buenaventura reported an average zinc realized price of \$3,048 per tonne in the third quarter, a 29.76% year-on-year jump from \$2,349 per tonne.
- Average July-September lead realized prices were \$2,412 per tonne, up by 45.39% from \$1,659 per tonne in the corresponding period of 2020.
- The miner's copper realized price averaged \$9,488 per tonne in the quarter, rising by 47.15% from \$6,448 per tonne a year before.
- Gold output ramp-up was in line with expected figures at the Orcopampa mine, the company said.
- Buenaventura lowered the full-year 2021 zinc output guidance for El Brocal and the zinc and lead production guidance for Uchucchacua due to lower-than-expected third-quarter production, but estimates for zinc and lead output at Tambomayo rose.

Third-quarter key figures

Year-on-year percentage change

Zinc production

14,255 tonnes, down by 41.81% from 24,497 tonnes

Zinc sales volumes

11,115 tonnes, down by 45.37% from 20,346 tonnes

Lead production

6,647 tonnes, down by 36.61% from 10,486 tonnes

Lead sales volumes

5,919 tonnes, down by 37.65% from 9,493 tonnes

Copper production

9,146 tonnes, down by 0.48% from 9,190 tonnes

Copper sales volumes

8,677 tonnes, down by 1.39% from 8,799 tonnes

2021 zinc production guidance

El Brocal: 36,000-38,000 tonnes, down from 40,000-45,000 tonnes

Uchucchacua: 6,200 tonnes, down from 7,000-10,000 tonnes

Tambomayo: 10,500-12,000 tonnes, up from 6,900-7,500 tonnes

2021 lead production guidance

El Brocal: 10,000-12,000 tonnes, unchanged

Uchucchacua: 4,800 tonnes, down from 5,000-7,000 tonnes

Tambomayo: 7,700-8,200 tonnes, up from 5,900-6,500 tonnes

2021 copper production guidance

El Brocal: 37,000-42,000 tonnes, unchanged

Off-warrant lead stocks plunge in August, decrease for aluminium, nickel; uptick in copper

By Ana de Liz - Monday 18 October

The total amount of lead held outside of the London Metal Exchange's warehouses fell by 77.6% over August, with most other metals also posting declines, according to the LME's latest report.

After a [small rise in July](#), the total amount of metal held outside of LME sheds was down by 150,694 tonnes to 813,916 tonnes in August.

Lead had the biggest decrease - just 1,053 tonnes were left off-warrant at the end of August.

This was largely due to the depletion of European lead's off-warrant stocks, which were down by 82.7% to just 762 tonnes from 4,440 tonnes in July. Consumers in Europe scrambled for metal after the region's main smelter Ecobat [declared force majeure](#) at the end of July.

Aluminium, zinc and nickel all fell by between 17-40%.

Copper and tin were the only metals to report increases. The amount of copper held outside of the LME network grew by 57.8% to 66,388 tonnes in August, primarily due to a build up of off-warrant stocks in Europe and Asia; off-warrant levels grew more than four-fold in Asia.



LME OFF-WARRANT STOCK FIGURES (tonnes)			
	End of August 2021	End of July 2021	Change
Aluminium	677,104	819,770	▼ 142,666
Copper	66,388	42,083	▲ 24,305
Nickel	9,447	15,755	▼ 6,308
Lead	1,053	4,691	▼ 3,638
Zinc	59,519	81,426	▼ 21,907
Tin	120	101	▲ 19
Total (including all LME metals)	813,916	964,610	▼ 150,694
Source: London Metal Exchange, compiled by Fastmarkets			

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

Nickel

- After lead, nickel's off-warrant stocks fell by the largest percentage - 40% - in August to 9,447 tonnes, from 15,755 tonnes in July.
- In Europe, nickel held outside of LME's warehouses fell the most, by 43% to 762 tonnes from 4,440 tonnes in July, with the majority of that tonnage sitting outside Rotterdam.
- In Asia, off-warrant nickel stocks dropped by 37.4% in August to 5,314 tonnes, with the amount in Singapore, for example, almost halving to 554 tonnes from 1,058 tonnes in July.

Zinc

- The amount of zinc held outside of the LME network dropped by 27% in August to 59,519 tonnes - its lowest since March - from 81,426 tonnes in July.
- This was largely due to the near-depletion of European zinc's stocks, which fell to just 27 tonnes in August from 4,912 tonnes in July.
- There was considerable tightness in the European spot zinc market **over the summer**, which has continued in Autumn due to rising energy costs.
- Zinc's off-warrant stocks also decreased by 27% to 41,344 tonnes in Asia, with the amount in Singapore dropping by 23.3% to 38,720 tonnes.

Aluminium

- Following a 7.4% increase in July, the amount of aluminium stored outside LME warehouses declined by 17.4% in August to 677,104 tonnes.
- Asia still accounts for the majority of that total, with aluminium's off-warrant levels there dropping by 19% to 574,891 tonnes.
- In Asia, Port Klang's off-warrant stocks fell by 23% to 318,244 tonnes, while Singapore had a more mild decrease of 7.5% to 109,875 tonnes.
- While Europe's aluminium tonnage outside of the LME network was stable at 49,478 tonnes, in the United States the amount fell by 10.6% to 52,735 tonnes in August.

LME OFF-WARRANT STOCK REPORTING - AUGUST 2021 (tonnes)						
Location	Aluminium	Copper	Nickel	Lead	Tin	Zinc
Port Klang	318,244	508	96	0	120	2,624
Singapore	109,875	1,000	554	0	0	38,720
Johor	53,262	0	642	0	0	0
Rest of Asia	93,510	13,474	4,022	291		0
Total Asia	574,891	14,982	5,314	291	101	41,344
Rotterdam	48,625	27,813	4,041	37	0	0
Rest of Europe	853	23,500	90	725	0	27
Total Europe	49,478	51,313	4,131	762	0	27
Total USA	52,735	93	2	0	0	18,148
Global total	677,104	66,388	9,447	1,053	120	59,519
Source: London Metal Exchange, compiled by Fastmarkets						

Key copper raw materials prices

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0287	Copper concentrates TC index, cif Asia Pacific, \$/tonne	15 Oct 2021	59.9	-1.32%	Sep 2021	60.35
MB-CU-0288	Copper concentrates RC index, cif Asia Pacific, US cents/lb	15 Oct 2021	5.99	-1.32%	Sep 2021	6.04
MB-CU-0409	Copper blister 98-99% RC annual benchmark, cif China, \$/tonne	22 Jan 2021	140 - 150	12.40%	Sep 2021	140 - 150
MB-CU-0408	Copper blister 98-99% RC spot, cif China, \$/tonne	30 Sep 2021	150 - 170	-11.11%	Sep 2021	150 - 170
MB-CU-0512	No1 copper material, RCu-2A,1B (candy/berry), cif China, LME/Comex discount, US cents per lb	27 Sep 2021	8.5 - 11	-29.09%	Sep 2021	8.5 - 11
MB-CU-0360	No2 copper material, RCu-2B (birch/cliff), cif China, LME/Comex discount, US cents per lb	27 Sep 2021	25 - 30	-36.78%	Sep 2021	25 - 30
MB-CU-0422	Copper concentrates counterparty spread, \$/tonne	30 Sep 2021	9.36	53.19%	Sep 2021	7.74
MB-CU-0423	Copper Concentrates Co-VIU, \$/tonne	30 Sep 2021	(0.1)		Sep 2021	(0.27)
MB-CU-0508	Copper concentrates TC implied smelters purchase, cif Asia Pacific, \$/tonne	15 Oct 2021	64.58	-1.22%	Sep 2021	63.41
MB-CU-0510	Copper concentrates RC implied smelters purchase, cif Asia Pacific, cents/lb	15 Oct 2021	6.46	-1.22%	Sep 2021	6.34



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CU-0509	Copper concentrates TC implied traders purchase, cif Asia Pacific, \$/tonne	15 Oct 2021	55.22	-1.43%	Sep 2021	57.3
MB-CU-0511	Copper concentrates RC implied traders purchase, cif Asia Pacific, cents/lb	15 Oct 2021	5.52	-1.43%	Sep 2021	5.73

Ferro-alloy markets

Source: dashboard.fastmarkets.com/m/1746b0c9-25c5-4ffd-b531-bdec474d8481

Top stories

Portside manganese ore markets jump; low- and high-grade price gap widens

By Siyi Liu - Monday 18 October

Manganese ore prices at Chinese ports rose markedly in the week to Friday October 15 amid an improved demand outlook and easing production headwinds in some major alloy-producing regions.

The price differential between low-grade and high-grade manganese ore grew to 8.50 yuan (\$1.32) per dry metric tonne unit (dmtu) on Friday, the widest since Fastmarkets started assessing the markets in January 2019.

Suppliers have been attempting to push up portside prices with higher offers since mid-August amid a soaring silico-manganese market, the main consumer of manganese ore. But they have also battled against ample supply, stagnant demand and [rising storage costs](#).

Fastmarkets' [manganese ore port index, base 37% Mn, range 35-39%, for Tianjin](#) registered a steady rise over the past two months, to 34.60 yuan per dmtu on October 8 from 33.30 yuan per dmtu on August 9.

On Friday, the index jumped by 4.3% week on week to 36.10 yuan per dmtu.

Similarly, Fastmarkets' [manganese ore port index, base 44% Mn, range 42-48%, for Tianjin, China](#) gained 5.34% from 39.30 yuan per dmtu on August 9 to 41.40 yuan per dmtu on October 8, before jumping by 7.7% to 44.60 yuan per dmtu on Friday.

The prominent uptick in prices was mainly due to increased manganese alloy production in Inner Mongolia, one of the country's largest silico-manganese producing regions, Fastmarkets understands.

The autonomous region lifted its electricity rates in September and since then electricity supply has improved. Some smelters in Inner Mongolia were heard to be able to ramp up production to 50% of normal levels, from 30% in the third quarter.

"The ramp-up [in production] has strengthened confidence in terms of ore demand," one trader said. "Despite demand still being constrained compared with normal levels, it can only get better from the worst time in the third quarter."

Meanwhile, smelting activities in Guangxi Zhuang autonomous region, which were largely halted in September, have resumed back to normal in the past week, participants told Fastmarkets.

In addition to the improved outlook, increasingly, cargoes at ports are being held by fewer traders which has facilitated them in achieving higher prices, Fastmarkets heard.

"Many small to medium traders withdrew from buying seaborne cargoes when prices continually exceeded portside prices for most of the year, which leads to tradeable cargoes at ports belonging to a limited number of

suppliers," a second trader said.

That said, spot liquidity remained limited because many smelters still have sufficient stocks and their bookings of seaborne cargoes continue to arrive, participants said.

"It's mainly smelters with low stocks - and amid fears of prices rising further - that are buying," a silico-manganese producer source said.

Growing gap between low- and high-grade prices

Different levels of demand and supply of low- and high-grade manganese ore have led to an enlarged price gap between the two, which has traditionally ranged between 3 yuan and 5 yuan per dmtu, according to market participants.

Producers have shown strong appetite for high-grade manganese ore, especially Australian lumpy, in a bid to increase their output under constrained electricity supply.

"Smelters are making a profit of 2,000-3,000 yuan per tonne they produce. Of course their tolerance of feedstock costs is high and of course they will try to increase their output," a third trader said.

Participants told Fastmarkets the ratio of high-grade versus low-grade manganese ore usage in silico-manganese production has been increased to 7:3, compared with the traditional 6:4 for many producers.

Meanwhile, limited availability of high-grade manganese ore has given prices another push, whereas supply of low-grade manganese ore remains ample.

At the Port of Tianjin, where the majority of China's manganese ore stocks are held, stocks of Australia-origin manganese ore declined by 35% in the past month to about 495,000 tonnes in the week to Monday October 18, while South Africa-origin manganese ore stocks totaled 2.74 million tonnes, up 15% in the same period, according to data submitted by market participants.

"For Australian lumpy, buyers are willing to take offers as long as you deliver the material right away, but they are more hesitant to accept higher prices for semi-carbonate," the second trader said.

Whether the unusual gap will last depends on alloy performance, participants told Fastmarkets.

Fastmarkets' assessment of [silico-manganese 65% Mn min, max 17% Si, in-whs China](#) was unchanged week on week at 12,000-12,500 yuan per tonne on Friday, the highest since August 2008.

"Smelters will produce as much as they possibly can if their wide margins stay," a fourth trader said.

"However, the increased alloy output could put some downward pressure on alloy prices in the near term. Once smelters' profit margins get back within 1,000 yuan per tonne, they will possibly switch back to use more low-grade ore to eliminate costs," he added.



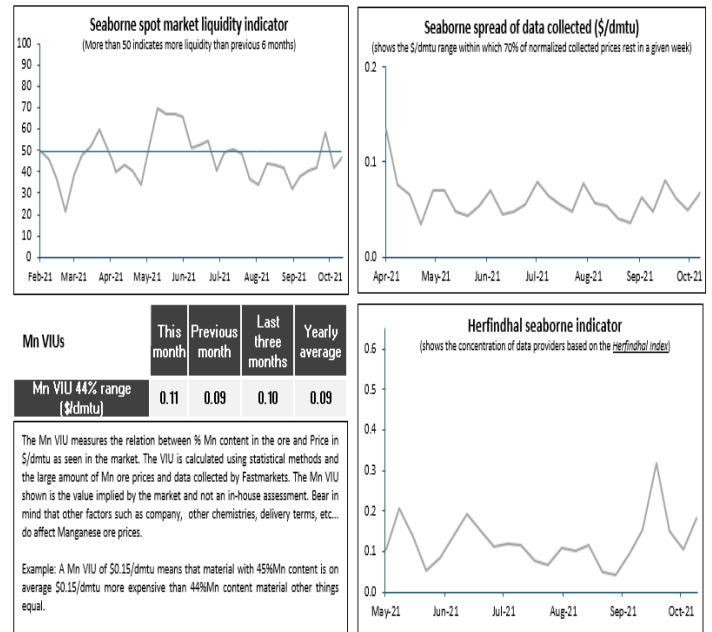
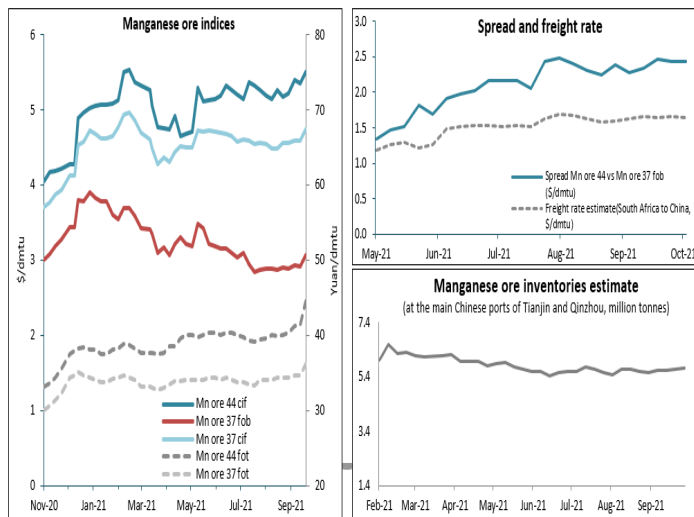
Bulk ores & alloys news

MANGANESE ORE ANALYTICS: October 18, 2021

By Jon Stibbs, Siyi Liu - Monday 18 October

The latest data for the global manganese ore market for the week to October 18, 2021.

INDICES	Code	Incoterm	Measure	Latest price	Previous price	Weekly change	Monthly average	Previous month	Quarterly average	Previous quarter
Manganese ore 44% cif	MB-MNO-0001	cif Tianjin	\$/dmtu (weekly)	5.50	5.35	+0.15	5.42	5.20	5.42	5.24
Manganese ore 37% cif	MB-MNO-0003	cif Tianjin	\$/dmtu (weekly)	4.74	4.59	+0.15	4.64	4.52	4.64	4.58
Manganese ore 37% fob	MB-MNO-0002	fob Port Elizabeth	\$/dmtu (weekly)	3.07	2.91	+0.16	2.97	2.89	2.97	2.97
Manganese ore 44% fot	MB-MNO-0005	fot Tianjin	yuan/dmtu (weekly)	44.6	41.4	+3.2	42.4	40.1	42.4	39.9
Manganese ore 37% fot	MB-MNO-0004	fot Tianjin	yuan/dmtu (weekly)	36.1	34.6	+1.5	35.1	34.3	35.1	34.0



Seaborne manganese ore markets hit six-month high

By Jon Stibbs, Siyi Liu - Monday 18 October

Seaborne low- and high-grade manganese ore markets hit half-year highs in the week to Friday October 18 due to strong sentiment stemming from good Chinese demand amid rising portside markets.

Low-grade achieves higher prices

South African producers offered semi-carbonate for November shipment at higher prices after the Golden Week holiday (October 1-7).

Fastmarkets' calculated the **manganese ore index, 37% Mn, cif Tianjin** at \$4.74 per dmtu on Friday, up by 15 cents per dmtu (3.3%) from \$4.59 per dmtu the previous week.

Strong restocking demand and easing electricity restrictions in the manganese alloy producing areas of Inner Mongolia and Guangxi supported demand.

"It will be interesting [to see] if this is merely restocking after the holiday or part of a larger trend due to increased consumption," a producer said.

Traders in China had improved buying appetite due to optimism about a **further price gain in the portside ore market**.

"Current offers in the seaborne market came slightly higher than the port markets, but unlike previously in the markets where no positive signs existed, the renewed demand outlook could support the port markets, hence we are looking to build up stocks," a trader said.

Additionally, while several producers were active, some had cut back the volumes they had to offer to China, market participants said. This reduced availability of material and increased competition to secure material.

"The strength of demand was a surprise because I did not have enough tonnage," a second producer said.

Strong demand for material from the rest of the world, such as India and Russia, also reduced the availability of material for Chinese consumers.



"Flows to the rest of the world, where we can get higher prices, started to increase when Chinese alloy production was cut back and they have continued," the first producer said. "Now we are seeing a normalization of alloy production and alloy producers [are] coming onto the market wanting to be covered, there is the possibility the market could get tight."

Alloy producers in China are highly profitable at current prices, so they can afford to absorb the cost of higher seaborne offer prices. Meanwhile, a few producers who used to procure from portside markets now prefer to buy material from the seaborne market to guarantee supply and prices in advance amid high manganese alloy prices, Fastmarkets understands.

"This is also an issue of affordability, smelters can undoubtedly afford to pay more for their ore," a third producer said. "With current alloy prices, smelters are hedging on seaborne material in case ore traders with material in ports won't sell because they don't want to make a loss."

Ore stocks remain high in China's ports, which could cushion the effects of lower-than-usual supply from South Africa.

Fastmarkets assessed [manganese ore inventories at the main Chinese ports of Tianjin and Qin Zhou](#) at 5.68-5.74 million tonnes on Monday October 18, up by 0.53% from 5.64-5.72 million tonnes a week earlier.

Specifically, stocks at the Port of Tianjin totaled around 4.07-4.11 million tonnes in the week to October 18, of which around 67% was shipped from South Africa, according to data submitted by market participants.

"Increased prices may encourage producers to release more material in future," the second producer said. "But logistical restraints remain that make moving material by road expensive."

While the fob index also rose, the market remained relatively low by historical standards because producers have had to come to terms with soaring freight rates.

Fastmarkets assessed [manganese ore 37% Mn, fob Port Elizabeth](#) at \$3.07 per tonne on Friday, up by 16 cents per dmtu from \$2.91 per tonne the previous week and the first time the fob price has risen to above \$3.00 per dmtu since July 30, 2021.

High-grade market supported

Liquidity was light in the market for high-grade ore but sentiment was strengthened by the recent price rally in portside markets following the rise in the semi-carbonate market and in response to increasing demand for material.

Fastmarkets' index for [manganese ore, 44% Mn, cif Tianjin](#) was calculated at \$5.50 per dmtu on Friday, up by 15 cents per dmtu (2.8%) from \$5.35 per dmtu a week earlier.

Strong demand and limited availability prompted a rise in the high-grade manganese ore price at China's port market. Participants believed this could support buyers' appetite in accepting higher prices in the seaborne market, especially given the similar supply tightness.

"Availability is short - there is not much material around. The production of high carbon ferro-manganese is increasing around the world and this requires high-grade ore," a market participant said.

Chrome ore

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-CHO-0003	Chrome ore South Africa UG2 concentrates index basis 42%, cif China, \$/tonne	12 Oct 2021	163	-0.61%	Sep 2021	164.25
MB-CHO-0002	Chrome ore Turkish lumpy 40-42%, cfr main Chinese ports, \$/tonne	12 Oct 2021	290 - 310	0.00%	Sep 2021	290 - 310

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	14 Oct 2021	1.82 - 1.93	0.00%	Sep 2021	
MB-FEC-0004	Ferro-chrome high carbon 6-8.5% C, basis 60-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	12 Oct 2021	1.62 - 1.8	0.00%	Sep 2021	1.54 - 1.75
MB-FEC-0001	Ferro-chrome low phosphorous, min 65% Cr, max 0.015% P, delivered Europe, \$/lb	12 Oct 2021	1.71 - 1.88	2.27%	Sep 2021	1.65 - 1.82
MB-FEC-0017	Ferro-chrome high carbon 57-65% Cr, cif dup Japan, \$/lb	07 Oct 2021	1.22 - 1.25	0.00%	Sep 2021	1.22 - 1.25
MB-FEC-0018	Ferro-chrome high carbon 57-65% Cr, cif dup South Korea, \$/lb	07 Oct 2021	1.21 - 1.24	0.00%	Sep 2021	1.21 - 1.24
MB-FEC-0021	Ferro-chrome high carbon 6-8.5% C, basis 65-70% Cr, max 1.5% Si, delivered Europe, \$/lb Cr	12 Oct 2021	1.62 - 1.8	0.00%	Sep 2021	1.54 - 1.75
MB-FEC-0020	Ferro-chrome high carbon 6-8.5% C, basis 60-64.9% Cr, max 3% Si, cif Europe, \$/lb Cr	12 Oct 2021	1.41 - 1.47	0.00%	Sep 2021	1.36 - 1.46
MB-FEC-0011	Ferro-chrome 50% Cr import, cif main Chinese ports, \$/lb contained Cr	12 Oct 2021	1.32	0.00%	Sep 2021	1.26
MB-FEC-0006	Ferro-chrome spot 6-8% C, basis 50% Cr, ddp China, yuan/tonne	12 Oct 2021	11100 - 12000	2.21%	Sep 2021	10225 - 10575
MB-FEC-0005	Ferro-chrome contract 6-8% C, basis 50% Cr, ddp China, yuan/tonne	12 Oct 2021	9745 - 9995	0.00%	Sep 2021	9745 - 9995



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEC-0019	Ferro-chrome lumpy Cr benchmark indicator, charge basis 52% (and high carbon), Europe, \$/lb	12 Oct 2021	1.86	0.00%	Sep 2021	1.83
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%	Sep 2021	1.56
MB-FEC-0014	Ferro-chrome low carbon 0.10%C, 62% Cr min, in-whs Pittsburgh, \$/lb	14 Oct 2021	3.2 - 3.25	1.57%	Sep 2021	
MB-FEC-0013	Ferro-chrome low carbon 0.05%C, 65% Cr min, in-whs Pittsburgh, \$/lb	14 Oct 2021	3.3 - 3.35	1.52%	Sep 2021	
MB-FEC-0015	Ferro-chrome low carbon 0.15%C, 60% Cr min, in-whs Pittsburgh, \$/lb	14 Oct 2021	3.1 - 3.15	0.00%	Sep 2021	
MB-FEC-0003	Ferro-chrome 0.10% C, average 65-70% Cr, delivered Europe, \$/lb Cr	12 Oct 2021	3.05 - 3.25	3.62%	Sep 2021	2.84 - 3.14
MB-FEC-0002	Ferro-chrome low carbon, 65% Cr, max 0.06% C, delivered Europe, \$/lb Cr	12 Oct 2021	3.09 - 3.29	3.57%	Sep 2021	2.88 - 3.18

Manganese ore

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-MNO-0002	Manganese ore 37% Mn, fob Port Elizabeth, \$/dmtu	15 Oct 2021	3.07	5.50%	Sep 2021	2.89
MB-MNO-0001	Manganese ore 44% Mn, cif Tianjin, \$/dmtu	15 Oct 2021	5.5	2.80%	Sep 2021	5.2
MB-MNO-0003	Manganese ore index 37% Mn, cif Tianjin, \$/dmtu	15 Oct 2021	4.74	3.27%	Sep 2021	4.52
MB-MNO-0004	Manganese ore port index, base 37% Mn, range 35-39%, fot Tianjin China, yuan/dmtu	15 Oct 2021	36.1	4.34%	Sep 2021	34.3
MB-MNO-0005	Manganese ore port index, base 44% Mn, range 42-48%, fot Tianjin China, yuan/dmtu	15 Oct 2021	44.6	7.73%	Sep 2021	40.08

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	15 Oct 2021	11000 - 11300	-5.11%	Sep 2021	8875 - 9275
MB-FEM-0006	Ferro-manganese basis 78% Mn max, standard 7.5% C, delivered Europe, €/tonne	15 Oct 2021	1900 - 2000	2.63%	Sep 2021	1575 - 1675
MB-FEM-0002	Ferro-manganese low carbon 80% Mn, max 0.80% C, in-whs Pittsburgh, US cents/lb	14 Oct 2021	315 - 320	33.68%	Sep 2021	219.8 - 228
MB-FEM-0004	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, \$/lb	14 Oct 2021	1.95 - 2	0.00%	Sep 2021	
MB-FEM-0003	Ferro-manganese medium carbon 80% Mn, max 1.50% C, in-whs Pittsburgh, US cents/lb	14 Oct 2021	195 - 200	0.00%	Sep 2021	194 - 199
MB-FEM-0001	Ferro-manganese high carbon 78% Mn, standard 7.5% C, in-whs Pittsburgh, \$/long ton	14 Oct 2021	2500 - 2550	0.00%	Sep 2021	2450 - 2500

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	15 Oct 2021	12000 - 12500	0.00%	Sep 2021	8875 - 9300
MB-SIM-0004	Silico-manganese 65% Mn min, min 16% Si, fob India, \$/tonne	15 Oct 2021	1850 - 1950	-2.56%	Sep 2021	1410 - 1440
MB-SIM-0002	Silico-manganese lumpy 65-75% Mn, basis 15-19% Si (scale pro rata), major European destinations €/tonne	15 Oct 2021	1900 - 2000	0.00%	Sep 2021	1585 - 1635
MB-SIM-0005	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, \$/lb	14 Oct 2021	1.18 - 1.2	0.00%	Sep 2021	
MB-SIM-0003	Silico-manganese 65% Mn min, min 16% Si, in-whs Pittsburgh, US cents/lb	14 Oct 2021	118 - 120	0.00%	Sep 2021	112 - 118.4



Ferro-silicon

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FES-0003	Ferro-silicon 75% Si, in-whs Pittsburgh, \$/lb	14 Oct 2021	3.05 - 3.15	10.71%	Sep 2021	
MB-FES-0005	Ferro-silicon lumpy basis 75% Si (scale pro rata), delivered Europe, €/tonne	15 Oct 2021	4000 - 4200	0.00%	Sep 2021	2072.5 - 2250
MB-FES-0004	Ferro-silicon 75% Si min export, fob China, \$/tonne	13 Oct 2021	4300 - 4400	-3.33%	Sep 2021	2964 - 3090
MB-FES-0001	Ferro-silicon 75% Si min, in-whs China, yuan/tonne	13 Oct 2021	20000 - 21000	-8.89%	Sep 2021	14660 - 15500

Noble ores & alloys news

PEOPLE MOVES: Martín Núñez, Candida Owens join MtalX in minor metals/ferro-alloys expansion

By Cristina Belda - Monday 18 October

Senior traders Martín Núñez and Candida Owens have joined UK-based commodity trading house MtalX.

They will expand MtalX's minor metals and ferro-alloys footprint, the company told Fastmarkets. The London-based traders will focus on magnesium, silicon, antimony, cobalt, noble alloys and bulk alloys as well as various mineral ores and concentrates.

Prior to this role, Núñez worked for Swiss trader ArrowMetals where he traded ferro-alloys and minor metals such as antimony, silicon and cobalt. Before that, he spent five years at UK-based TMT Metals Holdings (TMT), trading noble ferro-alloys such as molybdenum or ferro-vanadium.

Owens spent 12 years as managing director of UK-based trading house Raw Metals, where she dealt with minor metal concentrates and scrap, with a special focus on tin, tantalum, niobium and tungsten.

Mtalx is a trading house specializing in supplying non-ferrous metals and alloys for aluminium and steel markets. The company has a presence in Europe, North and South America, the Far East, Africa and Asia.

Molybdenum/ferro-molybdenum

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-MO-0001	Molybdenum canned molybdic oxide, in-whs Pittsburgh, \$/lb	14 Oct 2021	19 - 19.5	1.32%	Sep 2021	19.23 - 20.14
MB-FEO-0003	Molybdenum drummed molybdic oxide 57% Mo min, in-whs Rotterdam, \$/lb Mo	15 Oct 2021	19.6 - 19.8	0.51%	Sep 2021	20.12 - 20.32
MB-FEO-0004	Molybdenum MB drummed molybdic oxide Mo, in-whs Busan, \$/lb	15 Oct 2021	19 - 19.2	0.53%	Sep 2021	18.91 - 19.19
MB-FEO-0002	Ferro-molybdenum 65-70% Mo, in-whs Pittsburgh, \$/lb	14 Oct 2021	21.75 - 22.5	1.14%	Sep 2021	21.3 - 22.11
MB-FEO-0001	Ferro-molybdenum 65% Mo min, in-whs Rotterdam, \$/kg Mo	15 Oct 2021	45 - 45.65	1.07%	Sep 2021	44.48 - 45.56

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	13 Oct 2021	44 - 46	0.00%	Sep 2021	45 - 47.8
MB-FET-0001	Ferro-titanium 70% Ti, max 4.5% Al, ddp Europe, \$/kg Ti	13 Oct 2021	7.7 - 8.2	0.63%	Sep 2021	7.7 - 8.1
MB-FET-0002	Ferro-titanium 68-72% Ti, ex-whs US, \$/lb	14 Oct 2021	3.6 - 3.7	0.00%	Sep 2021	3.56 - 3.7

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	15 Oct 2021	315 - 320	0.00%	Sep 2021	311 - 316.5
MB-W-0003	Tungsten APT 88.5% WO3 min, fob main ports China, \$/mtu WO3	13 Oct 2021	309 - 319	1.62%	Sep 2021	303.2 - 308.8
MB-W-0002	Tungsten concentrate 65% WO3, in-whs China, yuan/tonne	13 Oct 2021	111000 - 113000	0.90%	Sep 2021	110400 - 111600



Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-FEU-0001	Ferro-tungsten basis 75% W, in-whs dup Rotterdam, \$/kg W	15 Oct 2021	37 - 38.5	0.00%	Sep 2021	38.89 - 40.44
MB-FEU-0003	Ferro-tungsten export, min 75% fob China, \$/kg W	13 Oct 2021	38.5 - 40	-1.51%	Sep 2021	39.32 - 40.28

Vanadium pentoxide/ferro-vanadium

Symbol	Description	Date	Price	+/-	Month	Monthly Average
MB-V-0001	Vanadium pentoxide 98% V2O5 min, in-whs Rotterdam, \$/lb V2O5	15 Oct 2021	7.5 - 8.5	0.00%	Sep 2021	8.65 - 9.45
MB-V-0002	Vanadium pentoxide 98% V2O5 min, fob China, \$/lb V2O5	14 Oct 2021	6.7 - 7.04	7.01%	Sep 2021	7.4 - 7.51
MB-V-0004	Vanadium pentoxide 98% V2O5 min, exw China, yuan/tonne	14 Oct 2021	95000 - 100000	6.56%	Sep 2021	105400 - 107000
MB-FEV-0002	Ferro-vanadium 70-80% V, in-whs Pittsburgh, \$/lb	14 Oct 2021	14.85 - 15.5	0.00%	Sep 2021	16.26 - 16.7
MB-FEV-0001	Ferro-vanadium basis 78% V min, 1st grade, ddp Western Europe, \$/kg V	15 Oct 2021	31 - 32	0.80%	Sep 2021	34 - 35.89
MB-FEV-0003	Ferro-vanadium 78% V min, fob China, \$/kg V	14 Oct 2021	29.64 - 30.24	6.40%	Sep 2021	31.61 - 32.21