



Mysteel Steel Index Methodology

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Directory

Introduction.....	
Background.....	
Objectives of Mysteel Steel Index	
Governance of Mysteel Steel Index	
Mysteel Index Management Committee	
Index Calculation Responsibility	
Consultations Procedure	
Ongoing Review of Submitters.....	
General.....	
Target and scope of index coverage.....	
Mysteel Steel Pricing Index	
Mysteel Steel Price.....	
Mysteel Steel Export/Import Pricing Index	
Mysteel Steel Export/Import Price.....	
Mysteel Steel USD Pricing Index	
Principles of Sample Collection.....	
Submission Sources	
Methods of Sample Collection and Collecting Periods	
Submission Specifications	
Submission Types	
Submission Detail	
Data Verification.....	
Record Keeping	
Index Calculation	
Sample Screening.....	
Sample Normalization.....	
Outlier Exclusion	
Mysteel Steel Pricing Index Calculation.....	
Mysteel Steel Price Calculation	
Mysteel Steel Export/Import Pricing Index Calculation	
Mysteel Steel Export/Import Price Calculation	

Mysteel Steel Index Methodology

Mysteel Steel USD Pricing Index Calculation	
Calculation Notes of Some Index	
Subjective Judgment	
Index Release	
Corrections	
Internal Review	
Requests for Data Clarifications	
Complaints	
Appendix A: Mysteel Steel Pricing Index List	
Appendix B: Explanation of Terms	
Appendix C: Case Handling Guide.....	
Appendix D: Amendments and Updates.....	

Introduction

This document represents the methodology of Mysteel Steel Index (“the index” or “MSDEX” for short), which explains the calculation and management principles. The index aims to reflect the daily price changes of the steel spot market in target areas and to provide an important pricing indicator for market participants.

The procedures and specifications followed by Mysteel in compiling the index have been published on Mysteel's website in both simplified Chinese and English.

Background

As a pillar industry of China's national economy, steel is one of the most important basic industries in construction, engineering, machinery, automotive, aerospace and other industrial fields, with strong and abundant production capacity to support the changes in domestic and international demand for steel, and continue to promote the rapid development of China's economy. While taking the lead in the steel industry, China's steel output in 2022 will be 1.34 billion tons, representing a year-on-year rise of 0.3 per cent; crude steel output will be 1.013 billion tons, accounting for 55.31% of the global share. As the share of China's steel industry in the global market continues to expand, its influence on the global steel market has become increasingly obvious, and China has become an important engine of the global steel industry.

All along, with the rapid development of industrialization and urbanization, the demand for steel market has been growing. However, in recent years, due to overcapacity, lack of demand, expanding environmental protection expenditure, high raw fuel prices and other multiple dilemmas, many iron and steel enterprises' profits have plummeted. The complex and changing market status and frequent fluctuations in steel prices have caused the difficulty of making precise price predictions, market decisions and investment plans to boost. As a vital basic raw material, the market stability of steel is directly related to the normal production and operation of upstream and downstream enterprises and the stable operation of the national economy. Therefore, promoting a stable and eco-friendly approach for the steel industry is of great significance to domestic and international steel market participants.

Objectives of Mysteel Steel Index

It is important to compile an objective and neutral steel price index.

First of all, the steel price index can act as a reliable reference for price negotiation between supply and demand parties while signing long-term contracts and spot trade, which can help to set acceptable prices for supply and demand parties, improve negotiation efficiency, and establish a long-term stable supply relationship;

Secondly, the compilation of the steel price index can effectively resolve the negative impact caused by information asymmetry. It shows the immediate changes in the market in a more quantitative, transparent and intuitive way. Steel price index guides social expectations, stabilizes market prices, promotes the balance of supply and demand in a reasonable manner and other aspects of the effect is obvious. The index also promotes healthy competition and the development of the steel industry;

In addition, the compilation of the steel price index can provide a database for monitoring data. For related government departments, the index significantly helps to carry out macro-control plans based on macro-economic status, level of inflation, the formulation of macro-economic policies, and price reform indicators;

Finally, the compilation of steel price index is conducive to the digitalization and intelligent transformation of the industry and guides the healthy and stable development of the market.

Governance of Mysteel Steel Index

To ensure that Mysteel Steel Index are constructed, maintained, and operated to the highest standards, the administrator of Mysteel Indices, Shanghai Ganglian E-Commerce Holdings Co, Ltd., (“Shanghai Ganglian” or “the administrator”, herein known as “Mysteel”) employs a robust governance framework to manage the indices, approve new indices and approve changes to the methodologies of existing indices.

Mysteel Index Management Committee

Mysteel Index Management Committee is responsible for the oversight of all aspects relating to the provision of the indices administered by Shanghai Ganglian E-Commerce Holdings Co., Ltd. Its members are selected from Shanghai Ganglian management and staff. The Committee is dedicated to ensuring the Indices continually reflect market changes and maintain the methodologies under constant review to meet the everchanging needs of the Shanghai rebar spot market.

The Index Management Committee employs sophisticated auditing and oversight mechanisms to ensure the calculation of the indices is undertaken strictly according to the index methodologies.

The membership of the Committee and its terms of reference are approved by Shanghai Ganglian's Information Management Committee. In terms of the Committee's membership, the Information Management Committee is required to ensure its members have the expertise and skills required to fulfill its role.

Index Calculation Responsibility

Daily management of Mysteel Indices is undertaken by the Mysteel Information Team and the Mysteel Index Team, responsible for data collection and index calculation respectively.

Consultations Procedure

Mysteel Index Management Committee shall assess the potential impact that a material change or cessation of an index may have on users and stakeholders, if appropriate and the condition pertains to the nature of the index, the Committee may arrange a survey of users and stakeholders and gather feedback. Usually, a survey is conducted based on the mutual decision of the Committee and the Advisory Group, meanwhile the investigation scope and period are defined.

Ongoing Review of Submitters

Submitters to the Mysteel Indices are required to accept a Code of Conduct and to sign an agreement with Mysteel specifying each party's responsibilities.

Mysteel additionally routinely reviews the companies involved in submitting data for use in the Mysteel Indices. These reviews ensure the suitability and reliability of the data Mysteel uses for index compilation. These reviews are conducted regularly, and may take into consideration an array of issues including, but not limited to, whether they have any direct or indirect conflicts of interest with Mysteel or Mysteel's staff, their credit rating, and both operational and logistical issues. Reviews consider both individual submissions and each submitter's submission history.

Mysteel does not disclose the nature, scope, or results of its routine reviews of submitters, other than as required by regulators or relevant market supervisory bodies.

General

Mysteel attaches great importance to confidentiality, and all employees must strictly abide by confidentiality rules, and never disclose any index compilation-related information, whether regarding index values, data or customers, unless

required to by law. Mysteel strictly prohibits team employees from participating in transactions, offers, or bids as individuals or on behalf of market participants. They are also not permitted to provide market participants with free subscriptions or any other benefits in exchange for price or market information. A specific conflict of interest declaration is required annually by the Index Team employees, declaring that they have not benefited from non-public information. Mysteel attaches great importance to the training of index team members to ensure they have the skills, knowledge, and experience necessary to perform their specific responsibilities. Mysteel provides index team employees with various irregular and regular training from probation to confirmation. Training content are strictly standardized, to ensure employees understand and adhere to internal procedures and methodologies.

Target and scope of index coverage

The Mysteel Steel Index (MSDEX) represents the tradable prices of the specified specifications in steel markets. The sources of information used in the calculation of MSDEX include transactions, bids, offers among steel market participants (steel mills, traders, downstream users, and spot trading platforms). More information about steel can be found in <https://www.mysteel.com/> or <https://www.mysteel.net/>.

Mysteel Steel Pricing Index

Mysteel Steel Pricing Index represents the tradable steel price level (VAT included) of main specification among major steel mills, traders, and downstream users in designated steel spot market. Samples of the index include agreements, tenders, transactions, bids, offers among steel mills, traders, downstream users, and spot trading platforms. The unit of Mysteel Steel Pricing Index is Yuan/tonne, with the minimum price change being Yuan 1/tonne. Details of Mysteel Steel Pricing Index are listed in *Appendix A: Mysteel Steel Pricing Index List*.

- Rebar Pricing Index
- Wire Rod Pricing Index
- HRC Pricing Index
- CRC Pricing Index
- Plate Pricing Index
- Sections Pricing Index
- HR Strip Pricing Index
- Boiler & Container Plate Pricing Index

- Ship Plate Pricing Index
- Galvanized Steel Pricing Index
- Seamless Pipe Pricing Index
- Welded Pipe Pricing Index
- Premium & Special Steel Pricing Index
- Premium & Special Wire Rod Pricing Index
- Billet Pricing Index
- Flat Products Steel Pricing Index
- Long Products Steel Pricing Index
- Once-Rolled Steel Pricing Index
- Steel Pricing Index: China
- Steel Pricing Index: East China
- Steel Pricing Index: South China
- Steel Pricing Index: North China
- Steel Pricing Index: Central China
- Steel Pricing Index: Northeast China
- Steel Pricing Index: Southwest China
- Steel Pricing Index: Northwest China
- Shanghai Rebar Index
- Shanghai HRC Index
- Tangshan Billet Index

Mysteel Steel Price

Mysteel Steel Price is the assessment of tradable steel brand price level (VAT included) of main specification among major steel mills, traders, and downstream users in designated steel spot market. Samples of the price include agreements, tenders, transactions, bids, offers among steel mills, traders, downstream users, and spot trading platforms.

The unit of Mysteel Steel Price is Yuan/tonne, with the minimum price change being Yuan 10/tonne.

- Construction Steel Price
- HRC Price
- CRC Price

- Plate Price
- Galvanized & Coated Steel Price
- Sections Price
- Steel Pipe Price
- Strip Price
- Special Steel Price
- Semis Price

Mysteel Steel Export/Import Pricing Index

Mysteel Steel Export/Import Pricing Index represents the tradable steel price level (VAT excluded) among steel mills, importers, and exporters in designated Chinese ports. Samples of the index include agreements, tenders, transactions, bids, offers among steel mills, importers, and exporters. The unit of Mysteel Steel Export/Import Pricing Index is \$/tonne, with the minimum price change being \$ 0.01/tonne. Details of Mysteel Steel Export/Import Pricing Index are listed in

Appendix A: Mysteel Steel Pricing Index List.

- High-Speed Wire Rod Export Pricing Index
- Rebar Export Pricing Index
- HRC Brand Export Pricing Index
- CRC Export Pricing Index
- Plate Export Pricing Index
- H-Beam Export Pricing Index
- Galvanized Steel Export Pricing Index

Mysteel Steel Export/Import Price

Mysteel Steel Export/Import Price is the assessment of tradable steel price level (VAT excluded) among steel mills, importers, and exporters in designated Chinese ports. Samples of the index include agreements, tenders, transactions, bids, offers among steel mills, importers, and exporters. The unit of Mysteel Steel Export/Import Price is \$/tonne, with the minimum price change being \$ 1/tonne.

- China's Steel Export Prices: Dalian Port
- China's Steel Export Prices: Bayuquan Port
- China's Steel Export Prices: Tianjin Port

- China's Steel Export Prices: Jingtang Port
- China's Steel Export Prices: Shanghai Port
- China's Steel Export Prices: Qingdao Port
- China's Steel Export Prices: Lianyungang Port
- China's Steel Export Prices: Zhanjiang Port
- China's Steel Export Prices: Guangzhou Port
- China's Steel Import Prices: Hong Kong
- Imported Steel Scrap Prices
- Imported Billet Prices

Mysteel Steel USD Pricing Index

Mysteel Steel USD Pricing Index is converted from the Mysteel Steel Pricing Index by using the offshore RMB exchange rate (Use the daily data released by the Hong Kong Treasury Market Association. If it is not announced on the day, the data from the previous day will be used). The unit of Mysteel Steel USD Pricing Index is \$/tonne, with the minimum price change being \$ 0.01/tonne. Details of Mysteel Steel Export/Import Pricing Index are listed in *Appendix A: Mysteel Steel Pricing Index List*.

- Shanghai Rebar USD Index
- Shanghai HRC USD Index

Principles of Sample Collection

Submission Sources

Mysteel collects transactions, bids, and offers that submitted by major steel market participants in designated spot market (including steel mills, traders, end users, and spot trading platforms). Mysteel ensures that the selected data providers have a qualified industry background, good industry reputation, long-term partnership with manufacturers, large trading volume and physical inventory, and lots of distribution channels.

Methods of Sample Collection and Collecting Periods

Mysteel accepts information provided for publication in real-time across variety of channels. Methods of sample collection include, but are not limited to:

1. Telephone (recorded phone lines)
2. Email
3. Other instant-communication tools, such as WeChat (company owned accounts)

Submission Specifications

The sample data information includes:

- (a) Brand specifications: The steel mill name, grade, diameter, length, quality status, etc. corresponding to the transaction data.
- (b) Commercial terms: Buyer or Seller, whether tax is included (including tax rate), delivery method, payment method, theoretical weight or actual weight. Price data such as re pricing (hereinafter referred to as "accounting/weighing").
- (c) Transaction quantity: Provide the transaction quantity data corresponding to the transaction price.

Mysteel will select transactions that comply with the newest national standards and have a trading volume not less than the usual transaction volume in the local spot market. Depending on the specific situation, it will choose whether to perform accounting and weighing conversion or not.

Submission Types

Mysteel divides all price data samples into six categories:

- (1) Open market transaction data;
- (2) Transaction data provided by market participants;
- (3) Open market bids;
- (4) Open market offers;
- (5) Guide prices provided by market participants;
- (6) Other data affecting steel prices, such as supply/demand and other factors affecting steel prices.

Submission Detail

Mysteel strictly controls the submission and collection process, and only considers samples that follow standard contract terms. Mysteel not only collects the submitted trade price, but also collects any significant additional information, including payment, logistics and eventual delivery timing of the product. If necessary, Mysteel may require the submitters to provide relevant documents to determine the fulfillment of the contract and to verify the validity of data.

Mysteel first uses transaction settlement prices to compile Mysteel Steel Index (MSDEX). All submitted samples are included in Mysteel's submission storage system.

Data Verification

Mysteel wants to collect as much data as possible, including the transactions, offers, bids and specifications of samples. Mysteel confirms and analyzes the submitted data as much as possible, and encourages all market participants to be the submitters of the Mysteel index, because wider data sources can improve the accuracy of the index.

Mysteel's sample collectors aim to collect comprehensive information related to steel prices, including transaction processes, final prices, parties to the transaction, origin of the goods, quantity, contract terms and delivery time. The sample collectors are trained to judge the authenticity of the submitted information.

Mysteel will require data providers to submit data that meets standard sample brands and specifications as far as possible, and the commercial terms of the data must meet general requirements.

The Mysteel index calculation team will check the details of each transaction submission, including the brand, quantity, price, specifications, length, thickness, width, brand, etc., to ensure the integrity of the sample data information. The submissions are sourced from the Mysteel data submitter and properly documented to ensure their high quality and reliability.

Submissions received that do not fully meet Mysteel's requirements cannot be included in the index calculation.

Record Keeping

All data submitted by the data providers will be kept on file for at least 5 years so that all submissions used in the index can be traced back to the original record. Mysteel uses security technology to ensure the confidentiality of the obtained raw data while avoiding any manipulation.

Index Calculation

Mysteel's sample collection time is from 16:31 the day before the index release date to 16:30 on the day. Data collected after 16:30 on that day will be included in the index calculation of the next day.

Sample Screening

The Mysteel index calculation team will screen all submissions collected and prioritize data close to standard sample specifications.

To ensure the accuracy of the index, Mysteel must obtain at least a certain amount of data daily and select data according to the data category. Once sufficient data is selected in a specific category, the data in subsequent categories will be excluded.

Mysteel has requirements on the trading volume of transaction samples. The requirement is formed according to market trading habits to ensure that the index is always fully representative of the market.

Mysteel will remove data that deviates greatly from the standard specifications to alleviate the impact of unusual specifications' prices on the index. The elimination process will be recorded and storage. If the number of samples cannot meet requirements, then Mysteel will select the excluded data.

Mysteel reserves the rights to use expert judgment in the event of market anomalies. The purpose of this initiative is to ensure the quality and integrity of the index. For more information on expert judgment, you can consult the data hierarchy and expert judgment guide.

Mysteel will go through a rigorous review process to ensure that all samples used for calculations have not been tampered with, and all review steps will be recorded.

Sample Normalization

Mysteel normalizes the sample according to the spreads of brand, grade, specification, length, thickness, width etc.

Mysteel first sets standard samples, and then normalizes other samples according to the spreads between different brands, grades, specifications, lengths, thicknesses, and widths etc.

Mysteel conducts research on these spreads by market information and daily tracking of actual transactions in the designated regional market every month, combined with information released by market participants. Mysteel will decide whether to update it or not after the end of the two-month observation period when a spread changes. The update process needs to be reviewed and filed. All records will be reviewed by IMC, and must be kept for at least 5 years.

Outlier Exclusion

Mysteel will first calculate all price data samples after normalization, then exclude outlier price data by specific outlier determination rules.

First, calculate the first quartile (Q1), median and third quartile (Q3). Median is the number in the middle (i.e. 50%) after sorting a group of numbers from small to large. Similarly, the first quartile and the third quartile are in the order of 25% and 75% from small to large.

Let IQR (interquartile difference) = $Q3 - Q1$, then the value between upper = $Q3 + 1.5 (IQR)$ and lower = $Q1 - 1.5 (IQR)$ is the value within the acceptable range, and the numbers not in this range are considered as abnormal values.

Calculation Notes of Some Index

The long material price index is composed of the price indices of rebar, wire, and profile based on a certain weight combination. The price index of flat materials is composed of a combination of prices for medium and thick plates, hot-rolled coils, cold-rolled coils, galvanized coils, and hot-rolled narrow steel strips based on certain weights. The primary material price index is composed of the price indexes of rebar, wire rod, medium thick plate, and hot-rolled coil based on a certain weight combination.

The absolute price index is a price index compiled using current market actual price data and considering different weights, reflecting the absolute level of prices.

The relative price index is obtained by dividing the absolute price index of the reporting period by the absolute price index of the base period, and then multiplying it by 100, reflecting the price index's relative height to the base period.

The average price index is the simple arithmetic mean of the price index within a specified time period. The calculation cycle of Mysteel's average price index is natural week, natural month, natural year, etc.

Mysteel Steel Pricing Index Calculation

Mysteel aims to provide the market with a fair price that accurately tracks daily price changes. Therefore, if there is sufficient submission data, the final value of each price index is standardized to calculate the proportion of circulation volume in each city to the national average, and then the weight of the city is given, combined with the city's price, to finally calculate the weighted average. Meanwhile, the Mysteel team will evaluate the weight based on the proportion of sample circulation in each city surveyed annually.

(1) Weight calculation

During the process of compiling price indices, Mysteel allocates weights in the calculation of price indices using the following formula.

Calculation formula: $\text{Sample A City Circulation Volume} + \text{Sample B City Circulation Volume} + \text{Sample C City Circulation Volume} + \dots = \text{Total Sample Circulation Volume}$
 $\frac{\text{Sample A City Circulation Volume}}{\text{Total Sample Circulation Volume}} = \text{Weight Proportion of Sample A}$

(2) Price index calculation

Mysteel calculates the price index based on the weighted prices of each city in the process of compiling the price index.

Calculation formula: $(\text{Price of sample A city} * \text{Weight proportion of sample A}) + (\text{Price of sample B city} * \text{Weight proportion of sample B city}) + (\text{Price of sample C city} * \text{Weight proportion of sample C city}) + \dots = \text{Comprehensive price index}$

(3) Calculation of Shanghai rebar price index/Shanghai hot-rolled plate and coil price index

Mysteel aims to provide the market with a fair price that accurately tracks daily price changes. Therefore, if there is sufficient submitted data, the final value of the index is the weighted average of the transaction volume of the standardized sample after excluding outliers. If there is data with uncertain transaction volume, Mysteel will process it according to the minimum quantity requirement. The Mysteel team will prioritize using higher-level data based on Mysteel's data hierarchy standards. If the number of transaction submissions for a specific index is insufficient, Mysteel will also use inquiry, offer, and tradable price data. In this case, inquiry, offer, and tradable sub indices will be calculated based on simple arithmetic averages.

Mysteel Steel Price Calculation

The calculation of Mysteel Steel Price is based on the standardization of collected samples in different dimensions. Mysteel will consider the price difference between specifications or regions in the compilation process. The standardization of commercial terms is also within consideration in some cases. In addition, Mysteel will also consider the impact of cost on prices. If the number of transaction submissions for a particular index is not considered sufficient, Mysteel will also use tradeable price, bid, and offer submissions, and the sub-index is a simple arithmetic mean in this case.

Mysteel Steel Export/Import Pricing Index Calculation

The calculation method of Mysteel Steel Export/Import Pricing Index is the same as Mysteel Steel Pricing Index.

Mysteel Steel Export/Import Price Calculation

The calculation method of Mysteel Steel Export/Import Price is the same as Mysteel Steel Price.

Mysteel Steel USD Pricing Index Calculation

Mysteel Steel USD Pricing Index is converted from the Mysteel Steel Pricing Index by using the offshore RMB exchange rate (Use the daily data released by the Hong Kong Treasury Market Association. If it is not announced on the day, the data from the previous day will be used). The unit of Mysteel Steel USD Pricing Index is \$/tonne, with the minimum price change being \$ 0.01/tonne.

Subjective Judgment

Mysteel reserves the rights to use subjective judgment in the event of market anomalies. The purpose of this initiative is to ensure the quality and integrity of the index. For more information on subjective judgment, you can consult the data hierarchy and subjective judgment guide.

Index Release

Mysteel Steel Pricing Index is released from 16:30 Beijing time every business day in China via the Mysteel websites, the Ganglian Data Terminal, and mobile apps.

Mysteel Steel Price is released from 9:00 Beijing time every business day in China via the Mysteel websites, the Ganglian Data Terminal, and the mobile apps. Mysteel will update its release in case of market price changes, the latest release time of Mysteel Steel Price generally does not exceed 16:30 Beijing time.

Mysteel has a publishing schedule of Mysteel Steel Index for relevant market parties to know the specific date when Mysteel releases the index.

The publication time may also be affected by various emergencies and force majeure, such as blackouts, natural disasters, and terrorist activities. In this case, Mysteel will announce the earliest opportunity.

Corrections

If an error is identified, whether caused by an incorrect submission or a calculation error, Mysteel will promptly issue a public notice to correct the error value.

Internal Review

To ensure the robust operation of Mysteel Shanghai Rebar Index System and the accuracy of the indices, Mysteel Index Team has developed a series of internal review procedures that cover the collection of data, the calculation process, and the release of the indices. The internal review procedures must be completed by senior staff.

Requests for Data Clarifications

Mysteel always aims to provide the highest quality service to its customers. Customers can inquire about Mysteel's sample collection, calculation, normalization, etc.

If market participants require additional information, such as a detailed description of data or the calculation method, please contact us at <https://gc.mysteel.com/> or email msrdex@mysteel.com / dongky@mysteel.com.

Complaints

Customers or stakeholders wishing to complain about an aspect of Mysteel's provision of the Mysteel Indices may do so. Full details of how Mysteel handles complaints can be found in Mysteel's Complaints Policy. In addition to that, a Disclosure to Complainants is also accessible by emailing complaints@mysteel.com or on the Mysteel Complaints page <https://www.mysteel.net/complaints.html>.

Appendix A: Mysteel Steel Pricing Index List

Category	Minimum Volume Requirements	Standard Sample or Composition	National Standard	
			Standard NO	Standard Name
Steel Pricing Index: China		Long Products, Flat Products		
Rebar Pricing Index	30 tonnes	HRB400E 9m Φ20mm	GB/T 1499.2-2018	Steel for the reinforcement of concrete—Part 2: Hot rolled ribbed bars
Wire Rod Pricing Index	30 tonnes	HPB300 Φ8mm	GB/T 1499.2-2017	Steel for the reinforcement of concrete—Part 1: Hot rolled plain bars
HRC Pricing Index	30 tonnes	Q235B 4.75mm*1500mm	GB/T 3524-2015	Hot-rolled carbon and low alloy structural steel strips
CRC Pricing Index	30 tonnes	SPCC/DC01/ST12 1.0mm*1250mm	GB/T 5213-2019	Cold rolled low carbon steel sheet and strip
Plate Pricing Index	30 tonnes	Q235B 20mm*2000mm/2200mm/2500mm	GB/T 3274-2017	Hot-rolled plates, sheets and strips of carbon structural steels and high strength low alloy structural steels
Sections Pricing Index	10 tonnes	Q235B 50*50*5(Angles) 160*63*6.5(Channels) 250*116*8.0(I-Beam) 200*100*5.5*8(H-Beam) 400*200*8*13(H-Beam) 588*300*12*20(H-Beam)	GB/T 706-2016/ GB/T 11263-2017	Hot rolled section steel/Hot rolled H and cut T section steel
HR Strip Pricing Index	30 tonnes	Q235/Q195 2.5mm*335-355mm	GB/T 3524-2015	Hot-rolled carbon and low alloy structural steel strips
Boiler & Container Plate Pricing Index	30 tonnes	Q345R/Q245R 20mm	GB/T 713-2014	Steel plates for boilers and pressure vessels
Ship Plate Pricing Index	30 tonnes	CCSB 20mm	GB/T 712-2011	Ship and ocean engineering structural steel
Galvanized Coil Pricing Index	30 tonnes	DX51D+Z/DC51D+Z/SGCC 1.0mm*1000mm/1250mm/1219mm	GB/T 15675-2020	Continuously electrolytically zinc/zinc-nickel alloy coated steel sheet and strip
Seamless Pipe Pricing Index	10 tonnes	20# Φ108*4.5mm/Φ219*6mm	GB/T 8163-2018	Seamless steel pipes for liquid service

Welded Pipe Pricing Index	10 tonnes	Q195-Q215 DN40 1.5in*3.25mm, Q215-Q235 DN100 4in*3.75mm	GB/T 3091-2015	Welded steel pipes for low-pressure liquid delivery
Premium & Special Steel Pricing Index		Premium Steel, Special Steel		
Special Steel Pricing Index		Spring Steel 60Si2Mn, Bearing Steel GCr15, Alloy Tool Steel H13		
Premium Steel Pricing Index		Carbon Structural Round Bar 45#, 40Cr Round Bar, Gear Steel 20CrMnTi		
Non-grain Oriented Electrical Steel Pricing Index	10 tonnes	50WW800/B50A800	GB/T 2521.1-2016	Cold-rolled electrical steel delivered in the fully-processed state—Part 1: Grain non-oriented steel strip(sheet)
H-Beam Steel Pricing Index	10 tonnes	Q235B 400mm*200mm	GB/T 11263-2017	Hot rolled H and cut T section steel
Premium & Special Wire Rod Pricing Index		Cold Heading Steel, Hard-Drawn Wire, High-Carbon Wire, PC Steel, Welding Wire, B-Grade Steel		
High-Speed Wire Rod Export Pricing Index	200 tonnes	Q235B/SAE1008 Φ8mm-10mm	GB/T 1499.2-2017	Steel for the reinforcement of concrete—Part 1:Hot rolled plain bars
Rebar Export Pricing Index	500 tonnes	HRB400/B460B/SD400/SD390 9m Φ20mm	GB/T 1499.2-2018	Steel for the reinforcement of concrete—Part 2:Hot rolled ribbed bars
HRC Brand Export Pricing Index	100 tonnes	Q235B 4.75mm*1250mm/ SS400 4.75mm*1250mm/ A36 5.5mm*1500mm/ S237JR 5.5mm*1500mm	GB/T 3524-2015	Hot-rolled carbon and low alloy structural steel strips
CRC Export Pricing Index	100 tonnes	SPCC 1.0mm*1250mm	GB/T 5213-2019	Cold rolled low carbon steel sheet and strip
Plate Export Pricing Index	100 tonnes	SS400 14-20mm*1800mm	GB/T 3274-2017	Hot-rolled plates、sheets and strips of carbon structural steels and high strength low alloy structural steels
H-Beam Export Pricing Index	500 tonnes	SS400 200mm*200mm	GB/T 11263-2017	Hot rolled H and cut T section steel
Galvanized Coil Export Pricing Index	50 tonnes	DC51D+Z 1.0mm*1250mm	GB/T 2518-2008	Continuously hot-dip zinc-coated steel sheet and strip
Billet Pricing Index	500 tonnes	Q235 150mm*150mm	GB/T 700-2006/ YB/T 002-1991	Carbon structural steels/Steel billets for dimensions, shape, weight and tolerances
Tangshan Billet Pricing Index	500 tonnes	Q235 150mm*150mm	GB/T 700-2006/ YB/T 002-1991	Carbon structural steels/Steel billets for dimensions, shape, weight and tolerances

Steel Pricing Index: East China		Rebar, Wire Rod, HRC, CRC, Sections, Plate, Galvanized Coil, HR Strip		
Steel Pricing Index: South China		Rebar, Wire Rod, HRC, CRC, Sections, Plate, Galvanized Coil, HR Strip		
Steel Pricing Index: North China		Rebar, Wire Rod, HRC, CRC, Sections, Plate, Galvanized Coil, HR Strip		
Steel Pricing Index: Central China		Rebar, Wire Rod, HRC, CRC, Sections, Plate, Galvanized Coil, HR Strip		
Steel Pricing Index: Northeast China		Rebar, Wire Rod, HRC, CRC, Sections, Plate, Galvanized Coil		
Steel Pricing Index: Southwest China		Rebar, Wire Rod, HRC, CRC, Sections, Plate, Galvanized Coil, HR Strip		
Steel Pricing Index: Northwest China		Rebar, Wire Rod, HRC, CRC, Sections, Plate, Galvanized Coil		
Flat Products Steel Pricing Index		Plate, HRC, CRC, Galvanized Coil, HR Strip		
Long Products Steel Pricing Index		Rebar, Wire Rod, Sections		
Once-Rolled Steel Pricing Index		Rebar, Wire Rod, Plate, HRC		
Shanghai Rebar Index	≥10 tonnes and <150 tonnes	HRB400E 9m 20mm Zenith Steel	GB/T 1499.2-2018	Steel for the reinforcement of concrete—Part 2: Hot rolled ribbed bars
Shanghai Rebar USD Index	≥10 tonnes and <150 tonnes	HRB400E 9m 20mm Zenith Steel	GB/T 1499.2-2018	Steel for the reinforcement of concrete—Part 3: Hot rolled ribbed bars
Shanghai HRC Index	20 tonnes	Q235B 5.75mm 1500mm Benxi Steel	GB/T 3524-2015	Hot-rolled carbon and low alloy structural steel strips
Shanghai HRC USD Index	20 tonnes	Q235B 5.75mm 1500mm Benxi Steel	GB/T 3524-2015	Hot-rolled carbon and low alloy structural steel strips

Appendix B: Explanation of Terms

Theoretical weight price: it is the price calculated by using the theoretical weight, and its value is equal to the actual weight price / (1 + weight deviation%).

Actual weight price: it is the price calculated by using actual weight, and its value is equal to the theoretical weight price * (1 + weight deviation%).

The minimum unit of price change: the smallest price change in which the prices are quoted. The price fluctuates by the multiple(s) of the minimum unit of price change.

Sample: The original meaning refers to a part of the actual observation or investigation in the study is called a sample, and the whole of the research object is called the sample size. In this methodology, the sample refers to data collected by Mysteel from major market participants (steel mills, traders) to reflect the mainstream price trend.

Price after tax: price including taxes. The price after tax includes a 13% value-added tax.

Spread: refers to possible deviations that occur in actual trading. When reflecting the spot price of rebar, it is expressed as the difference in price due to different brands, different materials, different specifications, and different lengths.

Appendix C: Case Handling Guide

Circumstances	Trading sub-index	Bid sub-index	Offer sub-index	Tradable sub-index	Calculation formula
•Five or more transaction information meeting the requirements of Mysteel sample are collected	√				MSDEX = trading price sub-index
•Less than five pieces of transaction information meeting the requirements of Mysteel sample were collected •At least two samples of bids and two samples of offers	√	√	√		MSDEX = trading price sub-index * 0.8 + bid sub-index * 0.1 + offer sub-index * 0.1
•No transaction information meeting the requirements of Mysteel sample was collected •At least two samples of bids and two samples of offers		√	√		MSDEX = bid sub-index * 0.5 + offer sub-index * 0.5
•No transaction information meeting the requirements of Mysteel sample was collected •Insufficient sample of bids or offers •Collecting reliable tradeable prices •Collecting relevant market information				√	MSDEX = previous day's index * 0.8 + tradeable sub-index*0.2
•No transaction information meeting the requirements of Mysteel sample was collected •Insufficient samples of bids or offers •No reliable tradeable prices •Collecting relevant market information for reference					MSDEX is adjusted with reference to the price difference between relevant regions.
•In the event of disaster, terrorist attack or force majeure •No transaction information meeting the requirements of Mysteel sample was collected • No reliable tradeable prices •Less than two samples of bids or offers •No relevant market information available					MSDEX reference to the previous day's index

Appendix D: Amendments and Updates

Version	Detail	Date	Author
V 1.0	The first edition of the Mysteel Steel Index methodology was revised based on the original Shanghai Rebar Index methodology and Shanghai Hot Rolled Coil Index methodology.	2019/11/24	Zikai Shao
V 2.0	Add Shanghai Anti-Seismic Rebar Index and Shanghai Anti-Seismic Rebar USD Index.	2020/4/11	Zikai Shao
V 3.0	Delete Mysteel Index Advisory Group.	2021/2/7	Zikai Shao
V 4.0	Based on the original price index methodology of various varieties, compile Mysteel steel index methodology.	2021/7/20	Zikai Shao
V 5.0	Change the benchmark specification of Shanghai Rebar Index.	2022/8/1	Kaiyan Dong
V 6.0	Transition from Shanghai Anti-Seismic Rebar Price Index to Shanghai Rebar Index, delete the original content of Shanghai Seismic Thread Steel Price Index	2023/6/20	Kaiyan Dong
V 6.1	Optimized the background and purpose of the Price Index, introduced the content of the Price Index, submitted and collected data, explained the calculation of the Price Index, processed outliers and subjective judgments, and added content such as handling situations where a small number of price information collection points account for a large proportion	2023/11/06	Kaiyan Dong