



Excel Add-in
User's Manual

V1.2.612

24th June 2019

INTRODUCTION

WELCOME!

Thank you for choosing to use Fastmarkets' Excel Add-in! As part of Fastmarkets' data platform strategy, we will provide customers with richer, more flexible mechanisms to securely access our data. This tool will allow you to pull our pricing data directly into Excel, thereby enabling you to embed our prices into your workflow.

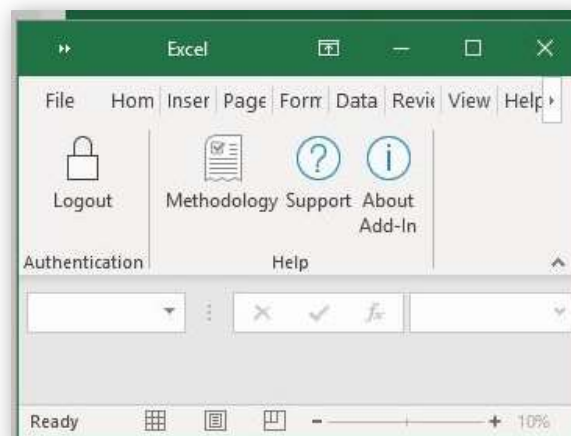
This user guide will help you get the most out of Fastmarkets' Excel Add-in to support your business needs. Please refer to the accompanying Technical Guide to install and log in for the first time to Fastmarkets' Excel Add-in.

Example templates of all functions included in this website and how to work with them are available on the **Excel Add-In Support website** for your specific data license subscription. Please visit <https://fastmarkets.com/support/customer-support-homepage/excel-add-in-support>.

If after reading these instructions you have further questions about how to use Fastmarkets' Excel Add-in, please contact your Account Manager.

- **Europe, Middle East and Africa: +44 (0)20 7779 8787**
- **Asia: +65 64 221 478**
- **Americas: +1 312 366 2542**
- **Email: customersuccess@fastmarkets.com**

For more information on Fastmarkets' products and services, please click on the Fastmarkets Excel Add-In ribbon buttons atop your spreadsheet or use the following links:

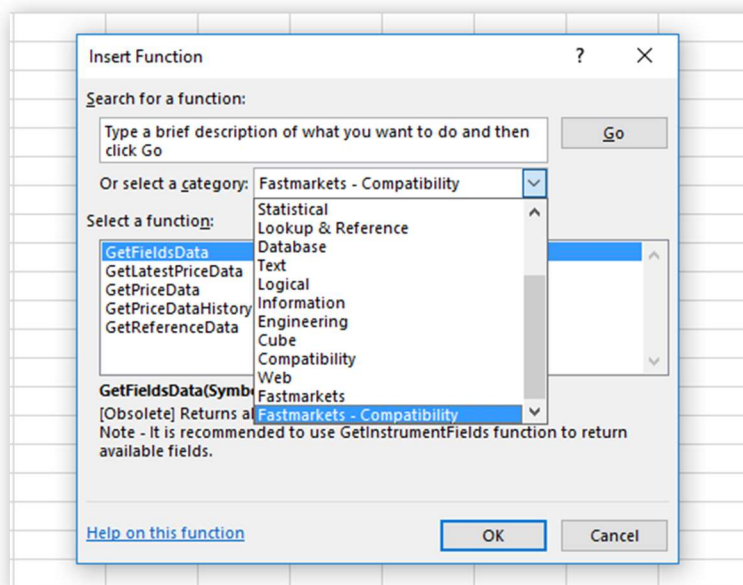


- **Pricing data:** <https://www.fastmarkets.com/what-we-do/pricing-data>
- **Pricing notices:** <https://www.metalbulletin.com/about-us/methodology/pricing-notice>
- **Methodology:** <https://www.fastmarkets.com/about-us/methodology>

WHAT'S NEW?

Version 1.2.612 of the Fastmarkets Excel Add-in features several enhancements and changes offering increased functionality and clarity.

- **New functions.** This version enables you to retrieve more fields and data, and we advise you to use the functions being introduced as opposed to existing functions. While existing functions will continue to work, they have been moved, as shown below, to the **Fastmarkets – Compatibility functions folder**. They will eventually be removed. This user guide will focus on the new functions, so please refer to earlier versions of this document for existing functions.



- **New price calculation parameters**
 - Actual price
 - Weekly average
 - Weekly average (Friday to Thursday)
 - Monthly average
 - Yearly average
- **New fields**
 - Date
 - Commodity
 - Price Type
 - Frequency
 - Status
 - Correction (revision flag)
 - Appraisal Price

- Pricing Rationale
- Source
- Net Change (Low, Mid, High)
- Percent Change (as decimal; Low, Mid, High)
- **Currency field change.** This will now display a three-letter currency code (EUR instead of Euro, for example).
- **New “Fill Setting” parameter for Price History**
 - “ValueOnly” – assessment-only dates and prices
 - “CarryForward” – carry over/repeat previous values for all week days
 - “Null” – displays value only on assessment date; blank otherwise
- **Improved support materials**
 - Templates and videos
 - User guide/technical installation guide/security FAQ
 - Excel ribbon buttons – links to Fastmarkets.com for pricing notices and methodology pages, providing transparency on how averages are calculated
- **Currency and unit conversion parameters.** These are being introduced now as “unsupported” but will be available in the next release of Fastmarkets’ Excel Add-in.

THE EXCEL FUNCTIONS

Fastmarkets’ Excel Add-in enables you to easily obtain rich data around the commodities you follow. The table below summarizes the functions and pricing data available to you in version 1.2.612. Remember, we recommend that you use these new functions instead of the existing functions, as the existing ones will be removed.

FUNCTION	VERSION	DESCRIPTION
GetInstruments()	v1.2.612 or above	Returns all Symbols and corresponding reference data that the user is authorised to access
GetPriceCalculationType()	v1.2.612 or above	Returns the price calculation types for the specified symbol
GetInstrumentFields()	v1.2.612 or above	Returns all available fields for a given symbol and price calculation type
GetLatestPrice()	v1.2.612 or above	Returns the latest price data for the specified Symbol, Field and Price Calculation Type
GetPriceHistory()	v1.2.612 or above	Returns price data history for the selected symbol
GetPrice()	v1.2.612 or above	Returns the latest price data for the specified Symbol, Field, Price Calculation Type and Date

New “unsupported” parameters – including the ability to convert currencies and units of measure – have been introduced in this version for the GetPrice, GetLatestPrice and GetPriceHistory functions. These parameters, labeled as “COMING SOON,” will be available in the next version of Fastmarkets’ Excel Add-In. They may be left blank when using the new functions in version 1.2.612.


Let’s explore the functions individually to see how you can make Fastmarkets’ Excel Add-in work best for you.

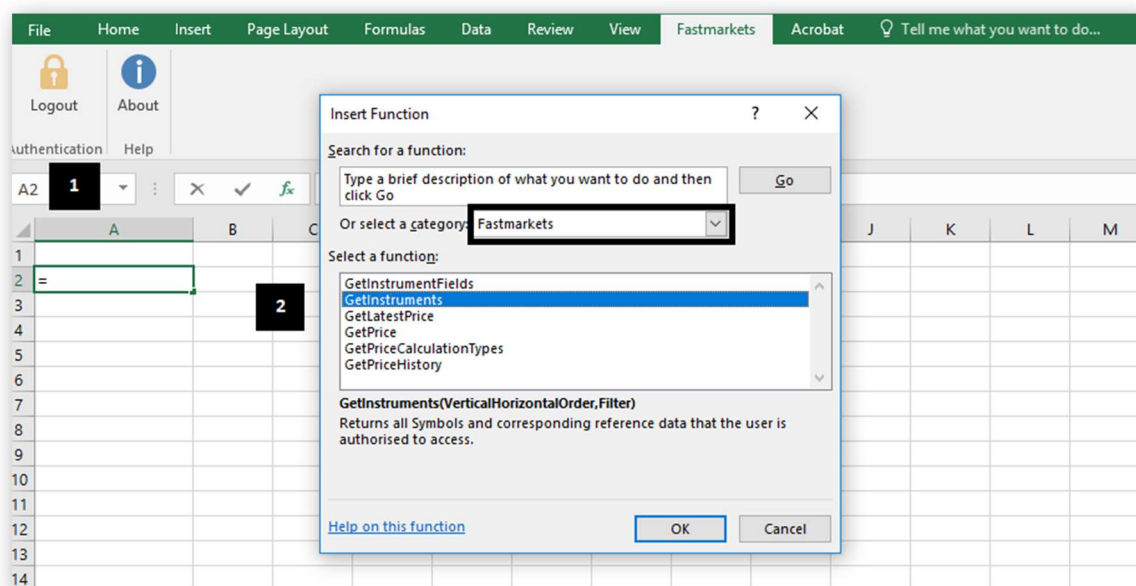
GET INSTRUMENTS

The GetInstruments() function enables you to view a list of all symbols and their corresponding reference data to which you’re entitled in your data package. **Each Fastmarkets price has a symbol – an alphanumeric code unique to that price.** The table below provides a summary of this function.

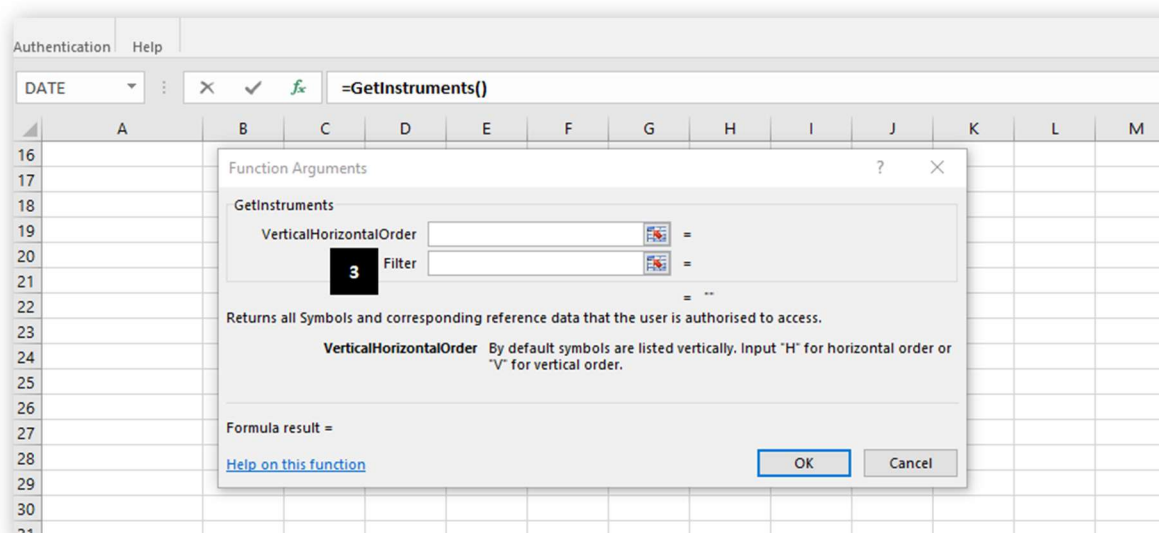
Function summary	The GetInstruments() function fetches all symbols and corresponding reference data that the user is authorized to access.
Input parameters	VerticalHorizontalOrder; Filter
Output for the function	Inserts fields of data for each price, including Symbol, Currency, Unit of measure, Product, Location, Incoterm, Commodity, Price Type, Frequency, Source, Status and Description.
Example	=GetInstruments(“V”, “steel”)

Get the list of prices and their symbols

1. Select a cell where you want the prices to be displayed (for example, A2)
2. Click on the “function wizard” icon (). Choose the “Fastmarkets” category, select the “GetInstruments” function and click OK.



3. To display the full list of symbols and prices available for the data package you have chosen, leave the parameters blank and click OK. If you wish to filter the list so that you only see, say, aluminium symbols and prices, type "aluminium" in the "Filter" field.



The list of all available prices will be inserted in the sheet (see following table). The first column contains the symbol unique to each price. The remaining columns contain the corresponding reference data (currency, unit of measure, product, location, incoterm, commodity, price type, frequency, source, status and description).

A	B	C	D	E	F	G	H	I	J	K	L
Symbol	Currency	Unit/Measure	Product	Location	Incoterm	Commodity	PriceType	Frequency	Source	Status	Description
MB-AL-0001	USD	Tonne	Aluminium 99.7%	Japan	Cost, insurance and freight	Aluminium	Premium/Discount	Quarterly	Metal Bulletin	Active	Aluminium P1020A, cif main Japanese ports, quarterly, \$
MB-AL-0002	USD	Tonne	Aluminium 6063 Extrusion Billet	Rotterdam	Delivered duty paid	Aluminium	Premium/Discount	Every second week	Metal Bulletin	Active	Aluminium 6063 extrusion billet, in-warehouse Rotterdam
MB-AL-0004	USD	Tonne	Aluminium P1020A	Rotterdam	In Warehouse duty paid	Aluminium	Price	Twice weekly	Metal Bulletin	Active	Aluminium P1020A, in-warehouse Rotterdam duty-paid,
MB-AL-0005	EUR	Tonne	DM226	Europe	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium pressure diecasting ingot, DM226 A380, eur
MB-AL-0006	GBP	Tonne	Old rolled	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Baled Old Rolled, United Kingdom, del
MB-AL-0007	GBP	Tonne	Cast wheels	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Cast Wheels, United Kingdom, deliver
MB-AL-0008	EUR	Tonne	Aluminium scrap cast	Europe	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Cast, Europe, delivered consumer wor
MB-AL-0009	GBP	Tonne	Clean H69 extrusions	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Clean H69 extrusions, United Kingdom
MB-AL-0010	GBP	Tonne	Commercial cast	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Commercial Cast, United Kingdom, del
MB-AL-0011	GBP	Tonne	Pure Cuttings	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Commercial Pure Cuttings, United King
MB-AL-0012	GBP	Tonne	Aluminium scrap commercial turnings	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Commercial turnings, United Kingdom
MB-AL-0013	EUR	Tonne	Aluminium scrap floated frag	Europe	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Floated Frag, Europe, delivered consur
MB-AL-0014	GBP	Tonne	Group 1 Pure and Litho	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Group 1 Pure 99% & Litho, United Kingi
MB-AL-0015	GBP	Tonne	Aluminium scrap group 7	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Group 7 turnings, United Kingdom, del
MB-AL-0016	GBP	Tonne	LM24 pressure diecasting ingot	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, LM24 Pressure diecasting ingot, United
MB-AL-0017	GBP	Tonne	Aluminium scrap LM6/LM25 gravity diecasting int	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, LM6/LM25 Gravity diecasting ingot, Uni
MB-AL-0018	GBP	Tonne	Loose old rolled cuttings	United Kingdom	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Loose Old Rolled cuttings, United King
MB-AL-0019	EUR	Tonne	Mixed turnings	Europe	Delivered at place	Aluminium	Price	Weekly	Metal Bulletin	Active	Aluminium Scrap, Mixed Turnings, Europe, delivered con
MB-AL-0020	USD	Pound	Aluminium P1020A	Midwest United States	Delivered duty paid	Aluminium	Premium/Discount	Twice weekly	American Metal Market	Active	Aluminium P1020 duty paid premium delivered Midwest
MB-AL-0021	USD	Tonne	Aluminium P1020A	Brazil	Delivered at place	Aluminium	Premium/Discount	Weekly	Metal Bulletin	Active	Aluminium P1020A, delivered Sao Paulo region, spot, \$/t
MB-AL-0022	USD	Tonne	Aluminium P1020A	Brazil	Cost, insurance and freight	Aluminium	Premium/Discount	Weekly	Metal Bulletin	Active	Aluminium P1020A, cif Brazilian main ports duty-unpaid,
MB-AL-0023	USD	Pound	Aluminium Scrap Mixed Low Copper Clips	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Mixed low copper clips aluminum scrap buying price deli
MB-AL-0024	USD	Pound	Aluminium Scrap Mixed High Copper Clips	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Mixed high copper clips aluminum scrap buying price deli
MB-AL-0025	USD	Pound	Aluminium Scrap Mixed High Zinc Clips	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Mixed high zinc clips aluminum scrap buying price delive
MB-AL-0026	USD	Pound	Aluminium Scrap 1-1.3 sows	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	1-1.3 sows aluminum scrap buying price delivered to Mid
MB-AL-0027	USD	Pound	Aluminium Scrap Siding Painted	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Siding aluminum scrap buying price delivered to Midwe
MB-AL-0028	USD	Pound	Aluminium Scrap Mixed Clips	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Mixed clips aluminum scrap buying price delivered to Mi
MB-AL-0029	USD	Pound	Aluminium Scrap Old Sheet	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Old sheet aluminum scrap buying price delivered to Midw
MB-AL-0030	USD	Pound	Aluminium Scrap Old Cast	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Old Cast aluminum scrap buying price delivered to Midw
MB-AL-0031	USD	Pound	Aluminium Scrap Turnings clean dry high grade	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Turnings clean dry high grade aluminum scrap buying pri
MB-AL-0032	USD	Pound	Aluminium Scrap Turnings Clean Dry Mixed Grade (max 5% Zn)	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Turnings clean dry mixed grade (max 5% Zn) aluminum sc
MB-AL-0033	USD	Pound	Aluminium Scrap Aluminum copper Radiators	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Aluminum-copper radiators aluminum scrap buying price
MB-AL-0034	USD	Pound	Aluminium Scrap Nonferrous Auto Shred (90% Al)	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Nonferrous auto shred (90% Al) aluminum scrap buying p
MB-AL-0035	USD	Pound	Used Beverage Can	United States	Free on board	Aluminium	Price	Twice weekly	American Metal Market	Active	Used beverage can aluminum scrap domestic aluminum
MB-AL-0036	USD	Pound	Aluminium Scrap Segregated Low Copper Alloy Clips 5052	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Segregated low copper alloy clips 5052 aluminum scrap F
MB-AL-0037	USD	Pound	Aluminium Scrap Segregated Low Copper Alloy Clips	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Segregated low copper alloy clips 3105 aluminum scrap F
MB-AL-0038	USD	Pound	Aluminium Scrap Mixed Low Copper Alloy Clips	United States	Delivered duty paid	Aluminium	Price	Twice weekly	American Metal Market	Active	Mixed low copper alloy clips aluminum scrap FOB shippi

Please review the Appendix for a complete description of what each field displays.

GET PRICE CALCULATION TYPES

The `GetPriceCalculationTypes()` function will identify the price calculation types that are available for each symbol. Use this function as a starting point to determine the type of data you wish to return – whether it is “Actuals” for assessed physical prices or an average price for a particular frequency – “WeeklyAverage”, “MonthlyAverage” or YearlyAverage. **NOTE: London Metal Exchange averages are not yet available through Fastmarkets’ Excel Add-in.**


The parameters will enable you to easily populate a table to compare actual physical pricing and corresponding averages for a symbol across the same row or column.

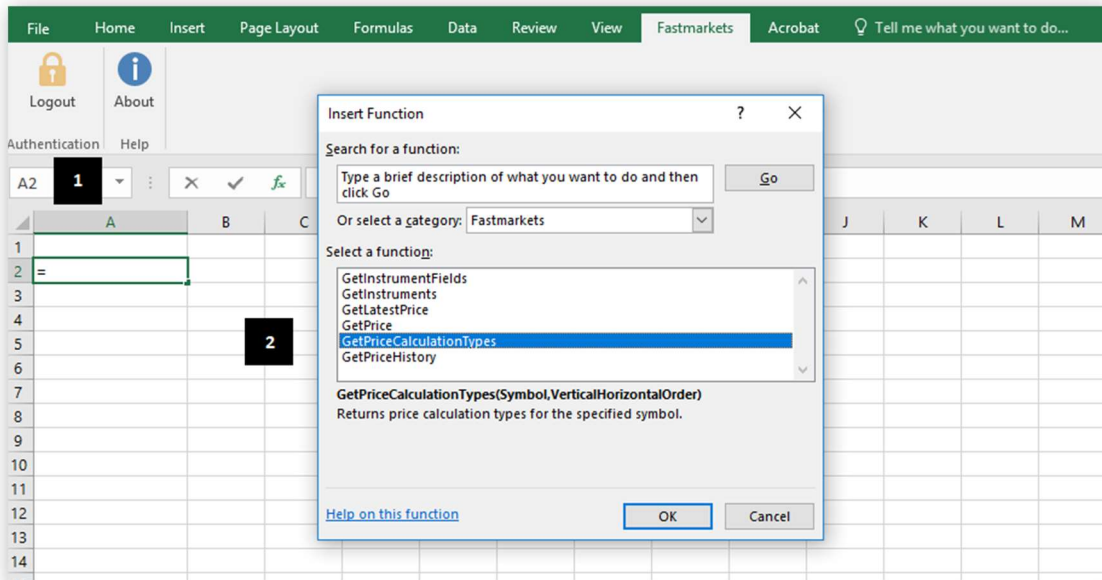
The price calculation methodology for Fastmarkets averages may differ depending on the source of the data. Learn more at: <https://www.fastmarkets.com/about-us/methodology>

The table below provides a summary of this function.

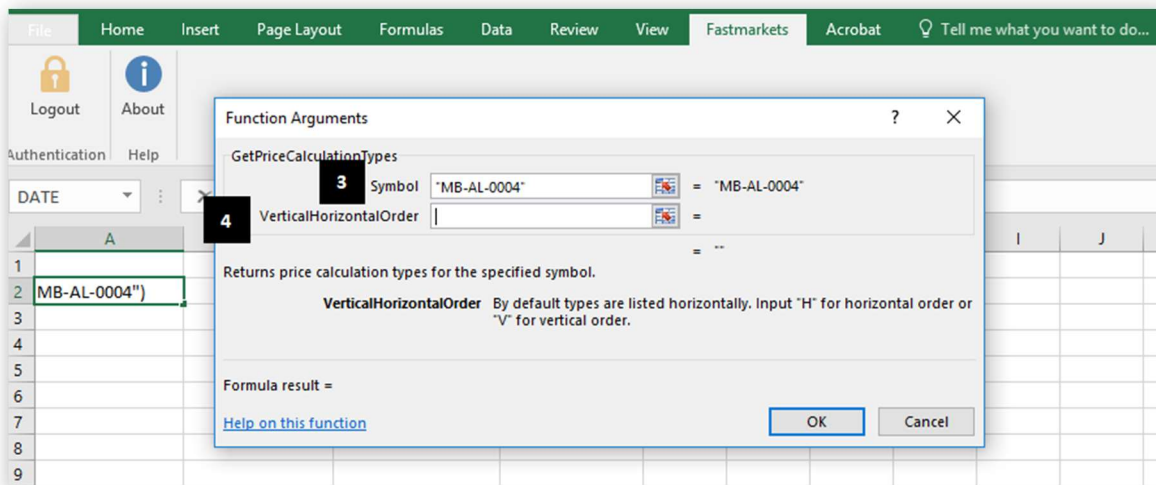
Function summary	The <code>GetPriceCalculationTypes()</code> function fetches the price calculation types for a specified symbol.
Input parameters	Symbol; VerticalHorizontalOrder
Output for the function	Inserts price calculation types for each symbol – for example, Actuals, WeeklyAverage, WeeklyAverageFriThur, MonthlyAverage, YearlyAverage
Example	<code>=GetPriceCalculationTypes(“MB-AL-0004”, “H”)</code>

Get a list of Price Calculation Types for your specified symbol(s)

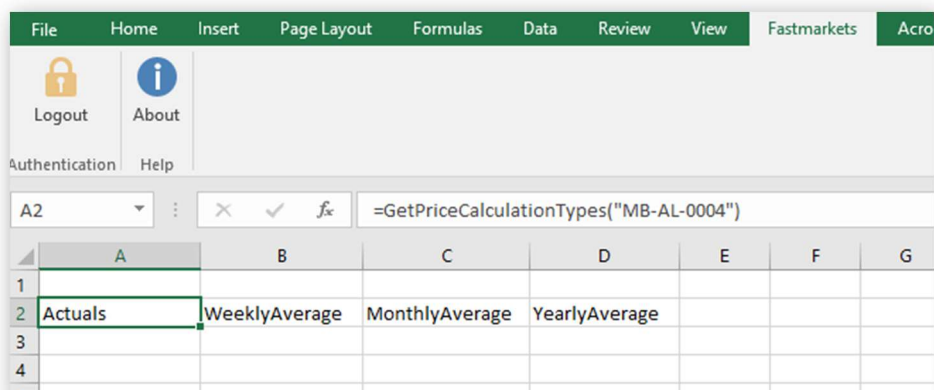
1. Select a cell where you want the prices to be displayed (for example, A2).
2. Click on the “function wizard” icon (). Choose the “Fastmarkets” category, select the “GetPriceCalculationTypes” function and click OK.



3. Enter the symbol. In this example we’re using MB-AL-0004
4. For the “VerticalHorizontalOrder” field, enter “V” if you want the Price Calculation Types to appear vertically or “H” if you want the Price Calculation Types to appear horizontally. This field is optional, if you leave it blank the values will return horizontally by default. In this example we will leave it blank. Then click OK.



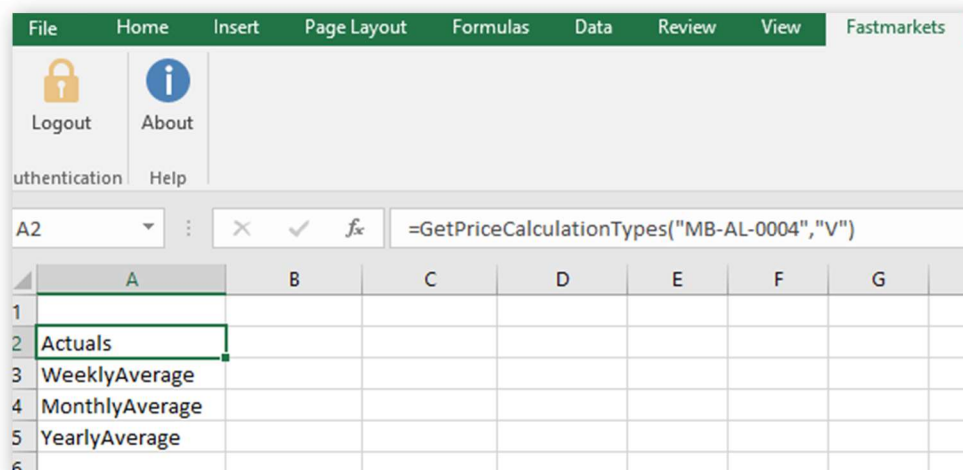
The Price Calculation Types will return as in the screenshot below.



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G
1							
2	Actuals	WeeklyAverage	MonthlyAverage	YearlyAverage			
3							
4							
5							

The screenshot below shows how the Price Calculation Types return if the “VerticalHorizontalOrder” field is set to “V”.



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G
1							
2	Actuals						
3	WeeklyAverage						
4	MonthlyAverage						
5	YearlyAverage						
6							

GET INSTRUMENT FIELDS

The GetInstrumentFields() function can be used to identify the fields that are available for each symbol and price calculation type. **Remember, each Fastmarkets price has a symbol – an alphanumeric code unique to that price.**

Some fields provide reference data, such as currency and unit of measure. But in this version of Fastmarkets’ Excel Add-In, other pivotal data fields have been added, including:

- **Source:** This shows the source of the instrument.
- **Correction:** A TRUE/FALSE flag to show if a value has been corrected. This will update automatically in your spreadsheet.


- **Period:** This will only display for average pricing to denote the period selected. This field will be blank for actual physical pricing.
- **Appraisal Price:** A TRUE/FALSE flag to denote that an appraisal – or interim – price has been published between assessment dates and values.
- **Pricing Rationale:** This field provides insight into how our price reporters and editors have determined the pricing for the instrument(s) selected. If no pricing rationale is provided, this field will remain blank.

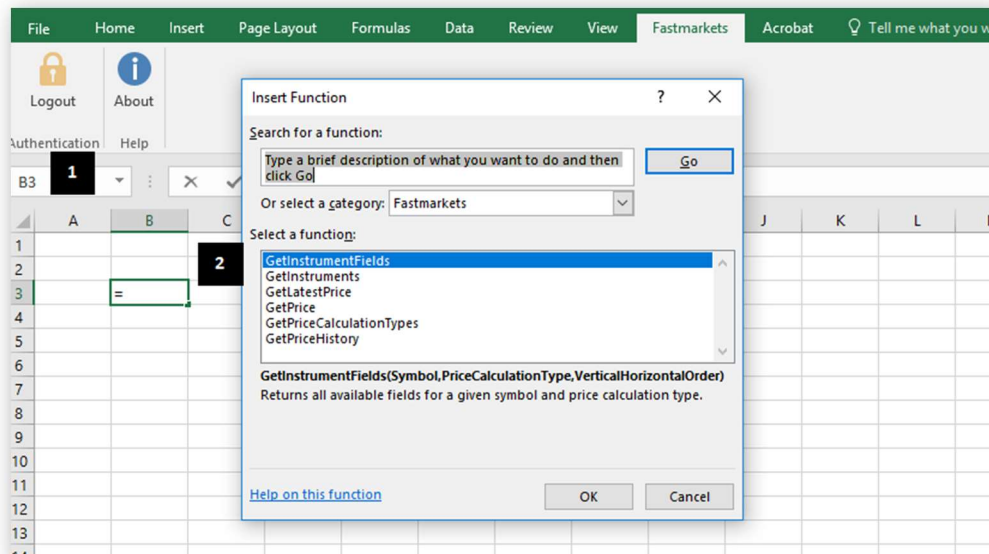
A full description for all fields can be found in the Appendix.

The table below provides a summary of this function.

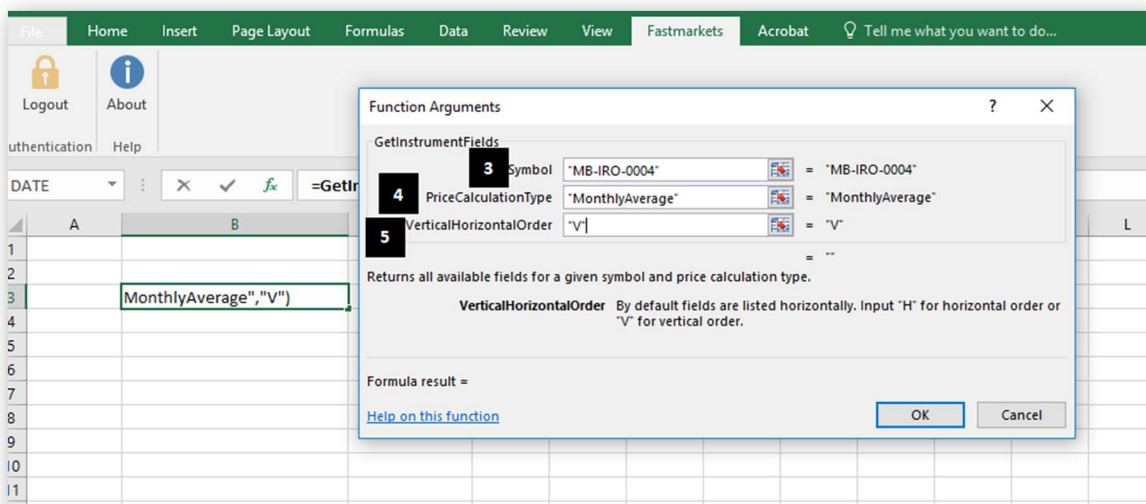
Function summary	The GetInstrumentFields() function may be used to fetch the data fields that are available for a given symbol and price calculation type. For example, exchange prices (to be introduced in later phases) will have different price fields from physical prices.
Input parameters	Symbol; PriceCalculationType; VerticalHorizontalOrder
Output for the function	Inserts an array displaying the available data fields. The fields available for actual and physical prices are: Date, AssessmentDate, Period, Low, Mid, High, Currency, UnitOfMeasure, Product, Location, Source, Incoterm, Commodity, PriceType, Frequency, Status, Correction, AppraisalPrice, PricingRationale, LowChange, LowChangeProportion, MidChange, MidChangeProportion, HighChange, HighChangeProportion and Description.
Example	=GetInstrumentFields("FM-AL-0002","MonthlyAverage","V")

Get the data fields available for a particular price

1. Select the cell where you want the data fields to be inserted (for example, B3).
2. Click on the "function wizard" icon (), choose the "Fastmarkets" category, select the "GetInstrumentFields" function and click OK.



3. Enter the symbol. For this example, we're using MB-IRO-0004.
4. Enter the PriceCalculationType. This field is optional; if left blank, it will return fields for "Actuals" (actual physical prices). If you know the PriceCalculationType, enter it in speech marks (for example, "MonthlyAverage"). You can also cell reference it if you have used the GetPriceCalculationType function.
5. For the "VerticalHorizontalOrder" field, enter "V" if you want the data fields to appear vertically or "H" if you want the data fields to appear horizontally. (This field is optional; if left blank, it will return instrument fields horizontally.) Then click OK.



The data fields available for the symbol will appear in the spreadsheet as shown in the following screenshot if you select "V" for Vertical order.

B3								
	A	B	C	D	E	F	G	H
1								
2								
3		Date						
4		AssessmentDate						
5		Period						
6		Low						
7		Mid						
8		High						
9		Currency						
10		UnitOfMeasure						
11		Product						
12		Location						
13		Source						
14		Incoterm						
15		Commodity						
16		PriceType						
17		Frequency						
18		Status						
19		Correction						
20		AppraisalPrice						
21		PricingRationale						
22		LowChange						
23		LowChangeProportion						
24		MidChange						
25		MidChangeProportion						
26		HighChange						
27		HighChangeProportion						
28		Description						
29								

The screenshot below shows how the data fields would appear horizontally if “H” were typed into the “VerticalHorizontalOrder” field instead of “V” as referenced in Step 4. (Note: Several fields are cut off for the viewability of this screenshot.

D2																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2																			
3		Date	Assessment	Period	Low	Mid	High	Currency	UnitOfMe	Product	Location	Source	Incoterm	Commod	PriceType	Frequen	Status	Corrector	Apprai
4																			

GET LATEST PRICE


The GetLatestPrice() function enables you to view the latest price information for your chosen symbols and their price calculation types. The table below provides a summary of this function.

Function summary	The GetLatestPrice() function fetches the latest price for a symbol and price calculation type. It can be used to get fields such as Low, Mid and Currency for actual physical prices or averages. Because the function applies to an individual cell, it gives the user control over the layout of the workbook. Once the table is laid out, the formula may be dragged or copied to populate all cells.
Input parameters	Symbol; PriceCalculationType; Field (Note: TargetCurrency & TargetUnitOfMeasure parameters are unsupported/coming soon. These fields may be left blank.)
Output for the function	The result is inserted in a single cell; it represents the most recent price or average price data depending on your chosen price calculation type. For example, if a price is updated every Monday and the user requests a price for Tuesday, Wednesday, Thursday or Friday, the function will return Monday's price.
Example	=GetLatestPrice("MB-AL-0346","Actuals","Low")

View the latest "Actuals" - physical price data for one or more symbols

1. Copy the symbols for which you want to get the latest prices and paste them into a new sheet. For this example, we've chosen five aluminium premiums.
2. Fill in the column headers with the required price fields. **Fastmarkets' Excel Add-in supports the fields outlined in the table in the Appendix.** For the example shown in the following screenshot, we've chosen Description, Low, High, Mid and AssessmentDate for our fields.

	A	B	C	D	E	F
1		Description	Low	High	Mid	AssessmentDate
2	MB-AL-0231					
3	MB-AL-0232					
4	MB-AL-0293					
5	MB-AL-0294					
6	MB-AL-0346					
7						

3. Select the cell where you want the first price to be inserted (for example, B2).
4. Click on the “function wizard” icon (). Choose the “Fastmarkets” category and select the “GetLatestPrice” function.

	A	B	C	D	E	F
1		Description	Low	High	Mid	AssessmentDate
2	MB-AL-0231	=				
3	MB-AL-0232					
4	MB-AL-0293					
5	MB-AL-0294					
6	MB-AL-0346					
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

Insert Function

Search for a function:

Type a brief description of what you want to do and then click Go

Or select a category: Fastmarkets

Select a function:

- GetInstrumentFields
- GetInstruments
- GetLatestPrice**
- GetPrice
- GetPriceCalculationTypes
- GetPriceHistory

GetLatestPrice(Symbol,PriceCalculationType,Field,TargetCurrency,...)
Returns the latest price data for the specified Symbol, Field and Price Calculation Type.

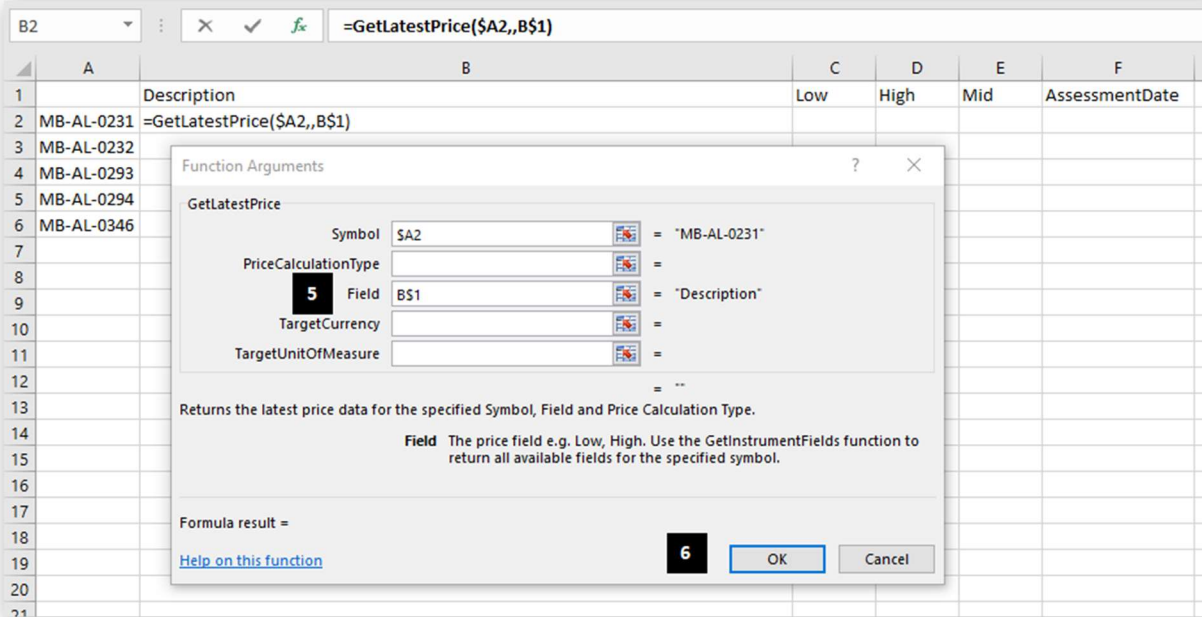
[Help on this function](#)

OK Cancel

5. Fill in the following parameters as shown:
 - **Symbol:** Type the cell reference where the first price symbol has been inserted and apply the dollar sign (\$) to the column (for this example, type \$A2, since that’s where symbol MB-AL-0231 has been inserted). Applying the \$ will allow you to copy the formula over to other cells to fill out the table.
 - **PriceCalculationType:** This parameter enables you to determine the type of data to return for the symbol (physical pricing or averages). The parameter is optional; if left blank, it will return “Actuals” for physical pricing. In this example, we will leave it blank.

- **Field:** Type the cell reference where the first price field has been inserted and apply the dollar sign (\$) to the row (for this example, type B\$1, since that's where "Description" has been inserted). Applying the \$ will allow you to copy the formula over to other cells.
- **TargetCurrency:** This parameter is coming soon. It can be left blank.
- **TargetUnitOfMeasure:** This parameter is coming soon. It can be left blank.

6. Click OK.



The description of the instrument has now been inserted into cell B2 (see screenshot below).

	A	B	C	D	E	F
1		Description	Low	High	Mid	AssessmentDate
2	MB-AL-0231	Aluminum P1020 free market delivered Midwest cents/lb				
3	MB-AL-0232					
4	MB-AL-0293					
5	MB-AL-0294					
6	MB-AL-0346					
7						

7. Copy the formula over to get the information for all of the data fields you're seeking (see following screenshot). You can either grab the little square in the corner of the cell with the function in it and drag it across and down to highlight your entire table; or you can copy and paste the cell with the function in it into your entire table. Because you applied the dollar sign (\$) in the formula, all retrieved data will point to one of the price symbols in Column A and to one of the fields in Row 1.

H3						
	A	B	C	D	E	F
1		Description	Low	High	Mid	AssessmentDate
2	MB-AL-0231	Aluminum P1020 free market delivered Midwest cents/lb	99.66	100.16	99.91	5/3/2019
3	MB-AL-0232	Aluminum, P1020 premium, delivered Midwest, US dollar per pound	0.1875	0.1925	0.19	5/3/2019
4	MB-AL-0293	Aluminium P1020A, in-warehouse Rotterdam duty-unpaid, spot, monthly average midpoint €/tonne	80.85	80.85	80.85	4/30/2019
5	MB-AL-0294	Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot monthly average midpoint €/tonne	128.54	128.54	128.54	4/30/2019
6	MB-AL-0346	Aluminium P1020A, in-warehouse Rotterdam duty-unpaid, spot, low - high, \$/tonne	80	90	85	5/3/2019
7						
8						

Note - the date format returned (mm/dd/yyyy versus dd/mm/yyyy) will be recognized based on your regional date and time settings.

Refreshing the latest pricing data

Depending on your Excel settings, your pricing data may update automatically. If your Excel is set to update calculations automatically, you may simply refresh the data. To change this setting, go to Options → Formulas → Calculation options and change Workbook Calculation from Automatic to Manual. If Workbook Calculation is set to manual, the keystrokes are as follows:


- **F2 and Enter** to update a specific cell
- **Ctrl + Alt + F9** to update the entire spreadsheet

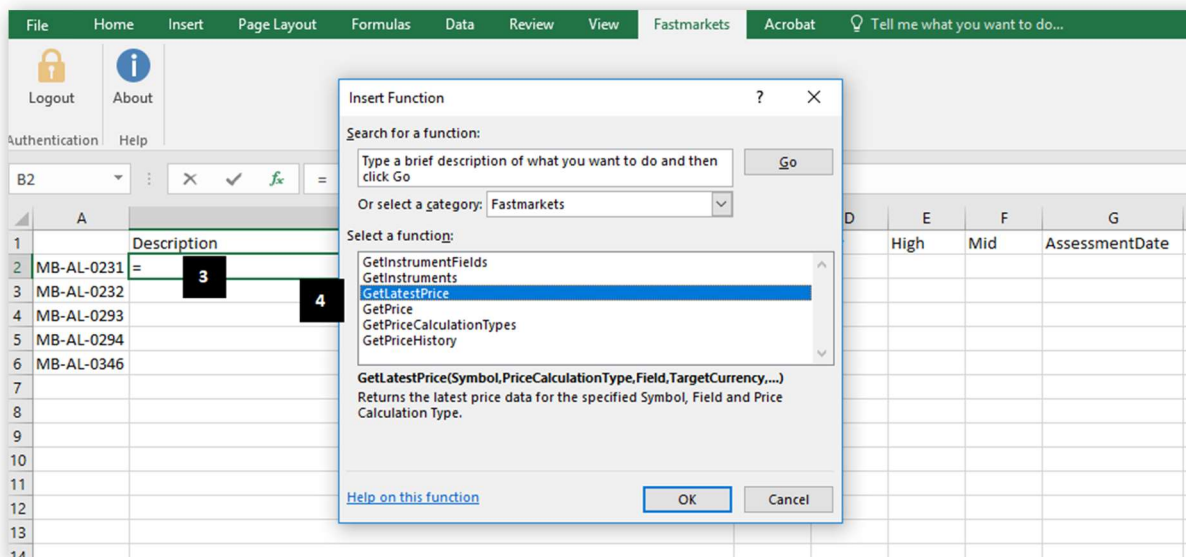
View the latest monthly average price data for one or more symbols

Fastmarkets produces independent, fair and representative price assessments and indexes of ferrous, non-ferrous and scrap metal prices on a daily, bi-weekly, weekly, bi-monthly or monthly basis. Fastmarkets calculates and publishes monthly averages based on these independent, proprietary assessments and indexes in two distinct ways: simple averages and rolling averages. For details on how these monthly averages are calculated, as well as which monthly average applies to specific prices, please review our methodology documentation at <https://www.fastmarkets.com/about-us/methodology>.

1. Copy the symbols for which you want to get the latest monthly average prices and paste them into a new sheet. For this example, we've chosen the same five aluminium premiums from the example above.
2. Fill in the column headers with the required price fields. **Fastmarkets' Excel Add-in supports the fields outlined in the table in the Appendix for averages AND actual physical prices.** For this example, we've chosen Description, Period, Low, High, Mid and AssessmentDate. Period is a useful new field that allows you to view the week date range, month/year or year for the average data you specify.

	A	B	C	D	E	F	G
1		Description	Period	Low	High	Mid	AssessmentDate
2	MB-AL-0231						
3	MB-AL-0232						
4	MB-AL-0293						
5	MB-AL-0294						
6	MB-AL-0346						
7							
8							

3. Select the cell where you want the first price to be inserted (for example, B2).
4. Click on the “function wizard” icon (). Choose the “Fastmarkets” category and select the “GetLatestPrice” function.

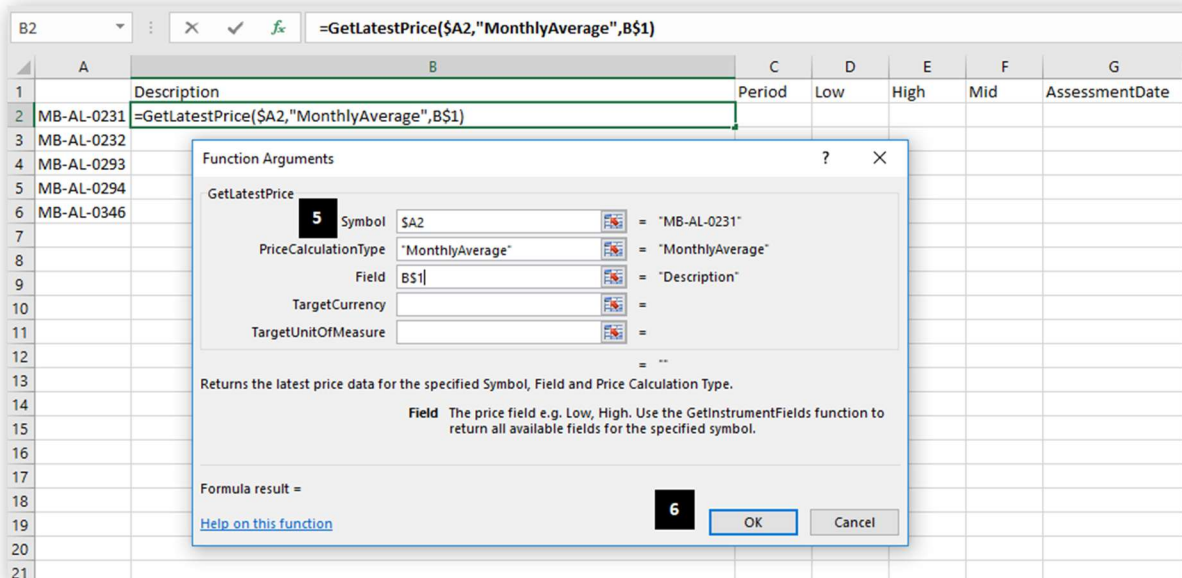


5. Fill in the parameters as shown below:
 - **Symbol:** Type the cell reference where the first price symbol has been inserted and apply the dollar sign (\$) to the column (for this example, type \$A2, since that’s where symbol MB-AL-0231 has been inserted). Applying the \$ will allow you to copy the formula over to other cells to fill out the table.
 - **PriceCalculationType:** To retrieve averages, this field needs to have a value entered. If you are unsure of what to enter, please refer to the earlier section on the GetPriceCalculationType function. For this example, enter “MonthlyAverage”.
 - **Field:** Type the cell reference where the first price field has been inserted and apply the dollar sign (\$) to the row (for this example, type B\$1, since that’s

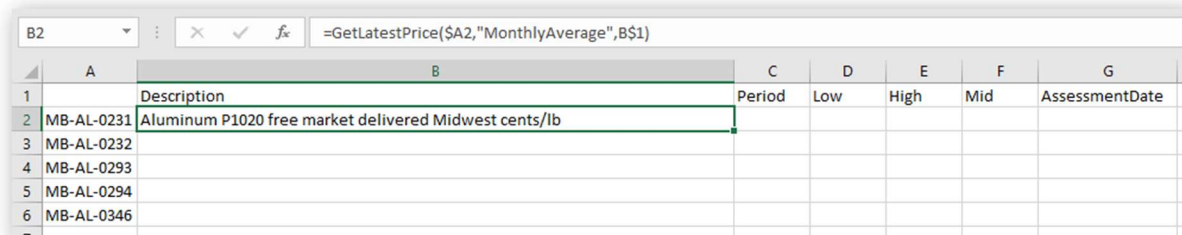
where “Description” has been inserted). Applying the \$ will allow you to copy the formula over to other cells.

- **TargetCurrency:** This parameter is coming soon. It can be left blank.
- **TargetUnitOfMeasure:** This parameter is coming soon. It can be left blank.

6. Click OK.



The description of the instrument has now been inserted into cell B2 (see screenshot below).



7. Copy the formula over to get the information for all of the data fields you’re seeking (see following screenshot). You can either grab the little square in the corner of the cell with the function in it and drag it across and down to highlight your entire table; or you can copy and paste the cell with the function in it into your entire table. Because you applied the dollar sign (\$) in the formula, all retrieved data will point to one of the price symbols in Column A and to one of the fields in Row 1.

B2		=GetLatestPrice(\$A2,"MonthlyAverage",B\$1)					
	A	B	C	D	E	F	G
1		Description	Period	Low	High	Mid	AssessmentDate
2	MB-AL-0231	Aluminum P1020 free market delivered Midwest cents/lb	Apr 2019	102.77	102.77	102.77	4/30/2019
3	MB-AL-0232	Aluminum, P1020 premium, delivered Midwest, US dollar per pound	Apr 2019	0.19	0.19	0.19	4/30/2019
4	MB-AL-0293	Aluminium P1020A, in-warehouse Rotterdam duty-unpaid, spot, monthly average midpoint €/tonne	Apr 2019	80.85	80.85	80.85	4/30/2019
5	MB-AL-0294	Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot monthly average midpoint €/tonne	Apr 2019	128.54	128.54	128.54	4/30/2019
6	MB-AL-0346	Aluminium P1020A, in-warehouse Rotterdam duty-unpaid, spot, low - high, \$/tonne	Apr 2019	85.85	95.85	90.85	4/30/2019
7							

An important note on monthly averages

Why am I not able to retrieve monthly average prices for US weekly scrap composites?

The following weekly scrap composite prices are an average of the daily composite prices calculated for the week from Friday to Thursday. Published monthly averages are not available for these prices. The corresponding daily composite price should be used to retrieve monthly average prices, since the methodology used for the average calculation is a rolling daily basis (see table below). Please review our methodology documentation at

<https://www.fastmarkets.com/about-us/methodology>

Daily Composite		Weekly Composite - FriThurs weekly average	
Symbol	Description	Symbol	Description
MB-STE-0217	Alabama Shredded auto scrap consumer buying price \$/gross ton	MB-STE-0519	Alabama shredded auto scrap consumer buying price US\$/gross ton weekly composite
MB-STE-0228	Chicago No. 1 heavy melt scrap consumer buying price \$/gross ton	MB-STE-0528	Chicago no. 1 heavy melt consumer buying price US\$/gross ton weekly composite
MB-STE-0232	Chicago No. 1 busheling scrap consumer buying price \$/gross ton	MB-STE-0524	Chicago no. 1 busheling scrap consumer buying price US\$/gross ton weekly composite price
MB-STE-0233	Chicago Shredded auto scrap consumer buying price \$/gross ton	MB-STE-0520	Chicago shredded auto scrap consumer buying price US\$/gross ton weekly composite
MB-STE-0257	Cleveland No. 1 busheling scrap consumer buying price \$/gross ton	MB-STE-0525	Cleveland no. 1 busheling scrap consumer buying price US\$/gross ton weekly composite
MB-STE-0285	Philadelphia No. 1 heavy melt scrap consumer buying price \$/gross ton	MB-STE-0529	Philadelphia no. 1 heavy melt consumer buying price US\$/gross ton weekly composite
MB-STE-0289	Philadelphia Shredded auto scrap consumer buying price \$/gross ton	MB-STE-0521	Philadelphia shredded auto scrap consumer buying price US\$/gross ton weekly composite
MB-STE-0303	Pittsburgh No. 1 heavy melt scrap consumer buying price \$/gross ton	MB-STE-0530	Pittsburgh no. 1 heavy melt consumer buying price US\$/gross ton weekly composite
MB-STE-0306	Pittsburgh No. 1 busheling scrap consumer buying price \$/gross ton	MB-STE-0526	Pittsburgh no. 1 busheling consumer buying price US\$/gross ton weekly composite
MB-STE-0308	Pittsburgh Shredded auto scrap consumer buying price \$/gross ton	MB-STE-0522	Pittsburgh shredded auto scrap consumer buying price US\$/gross ton weekly composite
MB-STE-0426	No. 1 heavy melt scrap daily composite \$/gross ton	MB-STE-0531	No. 1 heavy melt consumer buying price US\$/gross ton weekly composite
MB-STE-0427	Shredded auto scrap daily composite \$/gross ton	MB-STE-0523	Shredded auto scrap consumer buying price US\$/gross ton weekly composite
MB-STE-0428	No. 1 busheling scrap daily composite \$/gross ton	MB-STE-0527	No. 1 busheling scrap consumer buying price US\$/gross ton weekly composite

GET PRICE HISTORY


The GetPriceHistory() function enables you to view historical prices for a symbol. The table below provides a summary of this function.

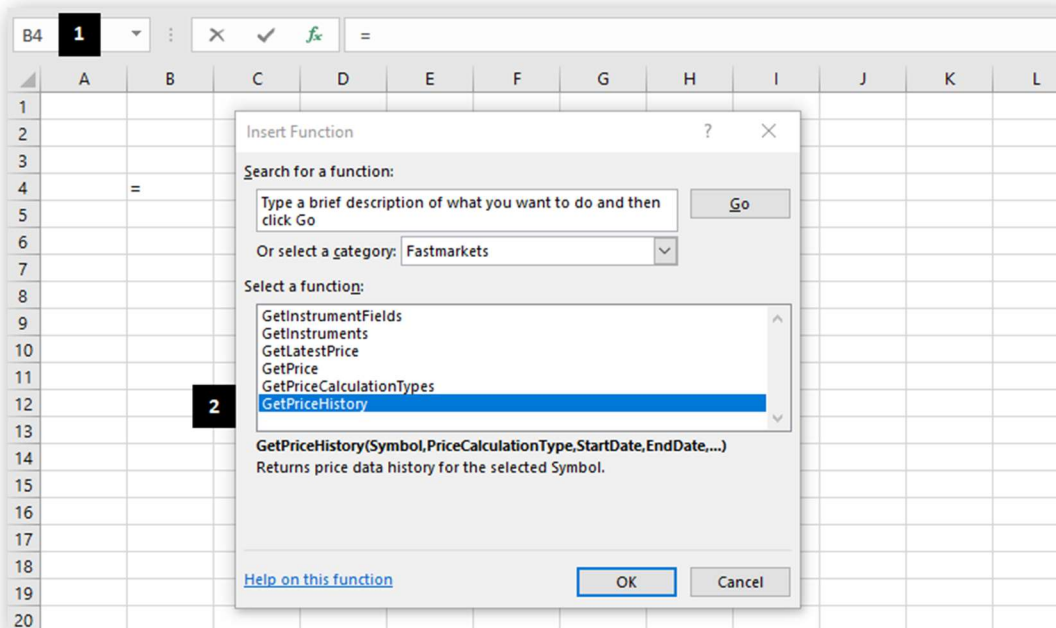
Function summary	The GetPriceHistory() function can be used to fetch the price history for a given symbol. The user can specify the price calculation type to determine whether to return physical price or average price history, start and end date, fill setting to determine how to fill gaps between data points, horizontal or vertical layout, ascending or descending dates, and whether to retrieve specific or all fields.
Input parameters	Symbol; PriceCalculationType; StartDate; EndDate; FillSetting; VerticalHorizontalOrder; AscendingDescending; Field1 ... Field 8. NOTE: Nesting volatile Microsoft Excel functions such as =TODAY() or =NOW() into date parameter inputs is not recommended.
Output for the function	Inserts a series table displaying historical dates and corresponding price fields. The PriceCalculationType parameter specifies if the function should return actual physical pricing or a type of average. The FillSetting parameter determines how to handle non-assessment days in the historical time series. If the FillSetting parameter is not specified, the default data will display "ValueOnly" (these are assessment-only dates and values). The next table explains the choices available with this parameter.
Example	=GetPriceHistory("MB-AL-0001", "Actuals", "7/25/2014", "2/27/2018", "ValueOnly", "V", "A", "Low", "Mid", "High", "Location", "Currency", "UnitOfMeasure", "AssessmentDate")

The table below explains how the historical prices return with each Fill Setting within the parameter, enabling you to fully customize the time series data you work with.

FILL SETTING	DESCRIPTION
ValueOnly	The dates and prices returned will only display when assessed or published prices are available. For example, for a MonthlyAverage , the field will display dates and values once per month.
CarryForward	If there is no updated price for a given day, the function will “carry forward” – or repeat – the last available price for ALL WEEKDAYS until the price is updated again. NOTE: public holidays will not be excluded. For example, a price is assessed weekly, on Monday. For the subsequent Tuesday, Wednesday, Thursday and Friday, the function will return Monday’s price.
Null	ALL WEEKDAYS INCLUDING HOLIDAYS will be displayed in the Date column. If there is no updated price for a given date, the corresponding row will be blank.

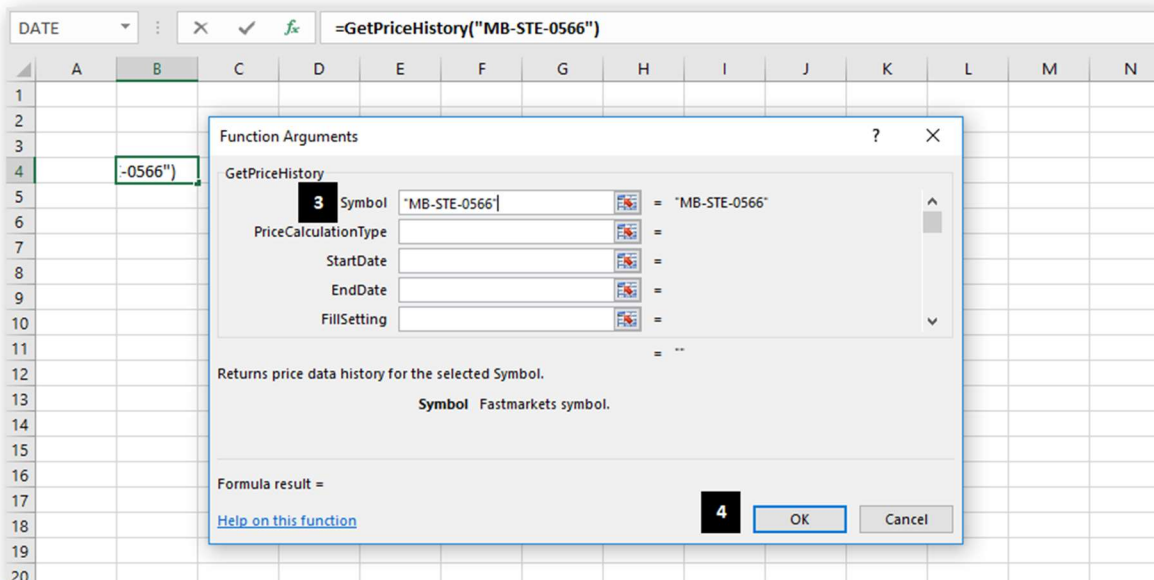
View the physical price history for a particular symbol

1. Select the cell where you want the price history to be inserted (for example, B4).
2. Click on the “function wizard” icon (), choose the “Fastmarkets” category, select the “GetPriceHistory” function and click OK.



3. Fill in the Symbol field ONLY. This is the quickest way to get the full physical price history for assessment-only dates. You may fill in the StartDate and EndDate fields if you wish to narrow the price history to a specific range. The date format (mm/dd/yyyy versus dd/mm/yyyy) will be recognized based on your regional date and time settings. For this example, we will use the symbol "MB-STE-0566".

4. Click OK.



The price data history has now been inserted into the sheet.


[illegible]

The `GetPriceHistory()` function also allows you to customize the way the price history is displayed in your spreadsheet. The following three, step-by-step examples show how the `FillSetting` parameter can be used to customize your returned data. The second and third examples (“`CarryForward`” and “`Null`”) are particularly useful if you plan to align, in your spreadsheet, the returned data with your own data or other sources of daily published data.

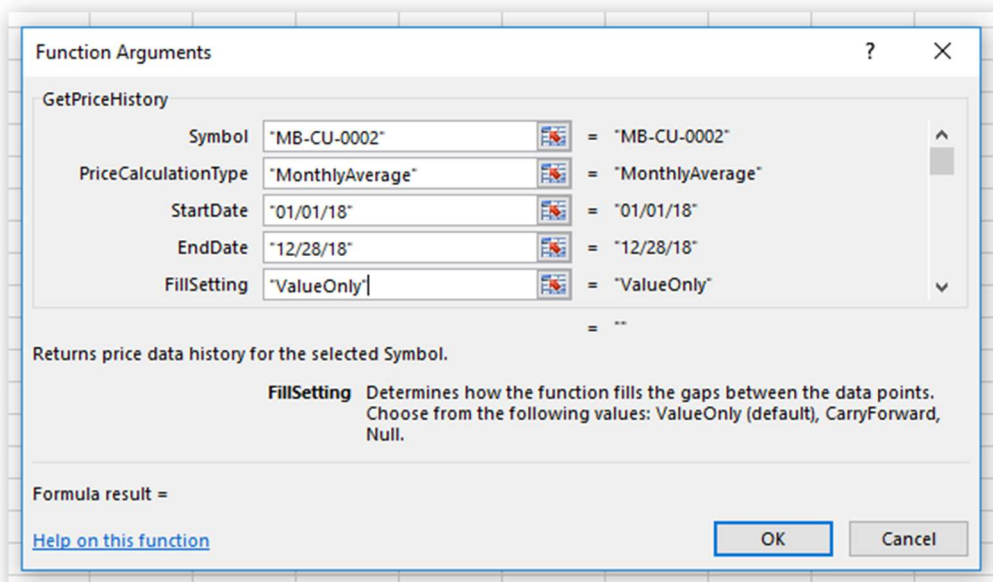
- **“ValueOnly”**: returns prices on their assessment dates
- **“CarryForward”**: returns prices for every weekday which are “carried forward” or repeated between assessment dates
- **“Null”**: returns all weekdays but displays prices only on their assessment date; other dates are blank

NOTE: PUBLIC HOLIDAYS ARE NOT EXCLUDED. Fill Settings “Null” and “CarryForward” will return **ALL WEEKDAYS**. This is important to note if manually calculating an average period and comparing to published monthly average prices when entering “MonthlyAverage”.

“ValueOnly”: Return monthly average prices for assessment dates with specific data fields

1. Select the cell where you want the price history to be inserted (for example, B4).
2. Click on the “function wizard” icon (), choose the “Fastmarkets” category, select the “GetPriceHistory” function and click OK – just as you did before.
3. Fill in the parameters as below:
 - **Symbol:** For this example, we’ll use the symbol “MB-CU-0002”.
 - **PriceCalculationType:** “MonthlyAverage”
 - **StartDate:** “01/01/18” (January 1, 2018)
 - **EndDate:** “12/28/18” (December 28, 2018)
 - **FillSetting:** “ValueOnly”
 - **VerticalHorizontalOrder:** “V”
 - **AscendingDescending:** “A”
 - **TargetCurrency:** This parameter is coming soon. It can be left blank.
 - **TargetUnitOfMeasure:** This parameter is coming soon. It can be left blank.
 - **Field1:** “Date”
 - **Field2:** “Period”
 - **Field3:** “Mid”
 - **Field4:** “AssessmentDate”

The following three screenshots show all of the parameters entered into the function arguments as outlined above.



Function Arguments

GetPriceHistory

FillSetting "ValueOnly" = "ValueOnly"

VerticalHorizontalOrder "V" = "V"

AscendingDescending "A" = "A"

TargetCurrency =

TargetUnitOfMeasure =

Returns price data history for the selected Symbol.

TargetUnitOfMeasure [UNSUPPORTED] COMING SOON. By default, the function returns the assessed unit of measure. To convert it into a different unit of measure, specify the unit of measure that you are looking for.

Formula result =

[Help on this function](#) OK Cancel

Function Arguments

GetPriceHistory

TargetUnitOfMeasure =

Field 1 "Date" = "Date"

Field 2 "Period" = "Period"

Field 3 "Mid" = "Mid"

Field 4 "AssessmentDate" = "AssessmentDate"

Returns price data history for the selected Symbol.

Field 4 By default the function displays all available fields. To change, input the required field names. (E.g. Field1 = Low, Field2 = High, Field 3= Currency).


Formula result =

[Help on this function](#) OK Cancel

- Once you have finished populating the fields, click OK. The historical price table will flow into the sheet according to the specified parameters, as shown in the following screenshot. **NOTE: These are average values on their published/assessed dates (holidays are factored in). This is the official Fastmarkets average for the instrument.**

=GetPriceHistory("MB-CU-0002","MonthlyAverage","01/01/2018","12/28/18","ValueOnly","V","A","Date","Period","Mid","AssessmentDate")																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2																
3																
4		Date	Period	Mid	AssessmentDate											
5		1/31/2018	Jan 2018	5.52	1/31/2018											
6		2/28/2018	Feb 2018	5.75	2/28/2018											
7		3/30/2018	Mar 2018	5.75	3/30/2018											
8		4/30/2018	Apr 2018	5.75	4/30/2018											
9		5/31/2018	May 2018	5.91	5/31/2018											
10		6/29/2018	Jun 2018	6.46	6/29/2018											
11		7/31/2018	Jul 2018	7.13	7/31/2018											
12		8/31/2018	Aug 2018	7.25	8/31/2018											
13		9/28/2018	Sep 2018	7.25	9/28/2018											
14		10/31/2018	Oct 2018	7.25	10/31/2018											
15		11/30/2018	Nov 2018	7.25	11/30/2018											
16																

“CarryForward”: Return monthly average prices with specific data fields that are rolled forward on non-assessment dates

1. Select the cell where you want the price history to be inserted (for example, B4).
2. Click on the “function wizard” icon (), choose the “Fastmarkets” category, select the “GetPriceHistory” function and click OK – just as you did before.
3. Fill in the parameters as below:
 - **Symbol:** For this example, we’ll use the symbol “MB-CU-0002”.
 - **PriceCalculationType:** “MonthlyAverage”
 - **StartDate:** “01/01/18” (January 1, 2018)
 - **EndDate:** “02/02/18” (February 2, 2018)
 - **FillSetting:** “CarryForward”
 - **VerticalHorizontalOrder:** “V”
 - **AscendingDescending:** “A”
 - **TargetCurrency:** This parameter is coming soon. It can be left blank.
 - **TargetUnitOfMeasure:** This parameter is coming soon. It can be left blank.
 - **Field1:** “Date”
 - **Field2:** “Period”
 - **Field3:** “Low”
 - **Field4:** “Mid”
 - **Field5:** “High”
 - **Field10:** “AssessmentDate”

The following screenshot shows the same example with the FillSetting parameter set to “CarryForward”.

Function Arguments

GetPriceHistory

Symbol

MB-CU-0002

= "MB-CU-0002"

PriceCalculationType

MonthlyAverage

= "MonthlyAverage"

StartDate

01/01/18

= "01/01/18"

EndDate

02/02/18

= "02/02/18"

FillSetting

CarryForward

= "CarryForward"

Returns price data history for the selected Symbol.

FillSetting

Determines how the function fills the gaps between the data points. Choose from the following values: ValueOnly (default), CarryForward, Null.

Formula result =

[Help on this function](#)


OK

Cancel

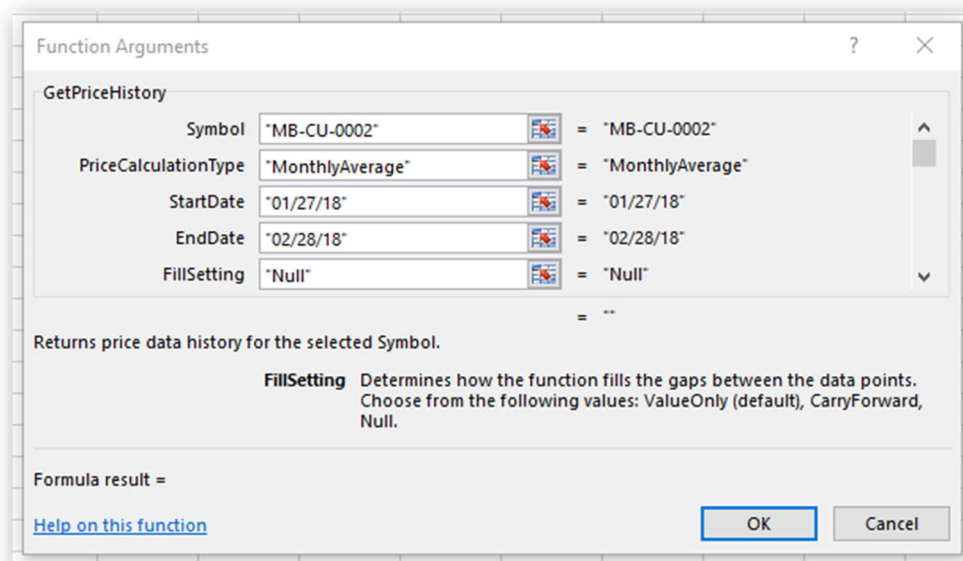
- Once you have finished populating the fields, click OK. The historical price table will flow into the sheet according to the specified parameters, as shown in the following screenshot. These are published average values that are carried forward, and they are the official Fastmarkets averages for the instrument. Holidays are factored in; if this format is used to calculate the average, the user must manually remove holidays from the calculation.

B4	=GetPriceHistory("MB-CU-0002","MonthlyAverage","01/01/18","02/02/18","CarryForward","V","A",,"Date","Period","Low","Mid","High","AssessmentDate")																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3																	
4		Date	Period	Low	Mid	High	AssessmentDate										
5		1/1/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
6		1/2/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
7		1/3/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
8		1/4/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
9		1/5/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
10		1/8/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
11		1/9/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
12		1/10/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
13		1/11/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
14		1/12/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
15		1/15/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
16		1/16/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
17		1/17/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
18		1/18/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
19		1/19/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
20		1/22/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
21		1/23/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
22		1/24/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
23		1/25/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
24		1/26/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
25		1/29/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
26		1/30/2018	Dec 2017	5.25	5.5	5.75	12/29/2017										
27		1/31/2018	Jan 2018	5.27	5.52	5.77	1/31/2018										
28		2/1/2018	Jan 2018	5.27	5.52	5.77	1/31/2018										
29		2/2/2018	Jan 2018	5.27	5.52	5.77	1/31/2018										
30																	

“Null”: Return monthly average prices with specific data fields filled on their assessment dates but blank on non-assessment dates

1. Select the cell where you want the price history to be inserted (for example, B4).
2. Click on the “function wizard” icon (), choose the “Fastmarkets” category, select the “GetPriceHistory” function and click OK – just as you did before.
3. Fill in the parameters as below:
 - **Symbol:** For this example, we’ll use the symbol “MB-CU-0002”.
 - **PriceCalculationType:** “MonthlyAverage”
 - **StartDate:** “01/27/18” (January 27, 2018)
 - **EndDate:** “02/28/18” (February 28, 2018)
 - **FillSetting:** “Null”
 - **VerticalHorizontalOrder:** “V”
 - **AscendingDescending:** “A”
 - **TargetCurrency:** This parameter is coming soon. It can be left blank.
 - **TargetUnitOfMeasure:** This parameter is coming soon. It can be left blank.
 - **Field1:** “Date”
 - **Field2:** “Period”
 - **Field3:** “Low”
 - **Field4:** “Mid”
 - **Field5:** “High”
 - **Field6:** “AssessmentDate”

The below screenshot shows the same example with the FillSetting parameter set to “Null”.



- Once you have finished populating the fields, click OK. The historical price table will flow into the sheet according to the specified parameters, as shown below.

B4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Historic pricing data: frequently asked questions

- What is the longest time series I can download?**
All historical pricing data is available through Fastmarkets' Excel Add-in. The length of the history will vary depending on when the price was launched.
- Can I choose between daily/weekly/monthly average prices?**
Daily physical pricing ("Actuals") and weekly, monthly and yearly prices are available for all metals instruments from version 1.2.612 and above.
- How can I see if a price was corrected?**
In case of a price correction, the function returns the latest available version of the price (the latest corrected value). A correction flag field – "Correction" – is available in Fastmarkets' Excel Add-In version 1.2.612 and above. An output of "TRUE" denotes a price that has been corrected; an output of "FALSE" denotes a price not requiring a correction.
- Are non-assessment days excluded/included from the time series?**
The FillSetting parameter enables you to customize how time series data returns using the GetPriceHistory() function. Select from "ValueOnly" for assessment-only dates and prices; "CarryForward" to have the function roll the last available price forward if there is no updated price for a given day; or "Null" to display prices on their assessment dates and empty cells if there is no updated price for a given day.

5. Are holiday calendars taken into account when displaying price history?

No. At present, Fastmarkets' Excel Add-in displays all weekdays (including public holidays) between the start and end dates of the period if the FillSetting parameter is set to "CarryForward" or "Null". For any manual calculation of averages using actual assessment prices, it is important to note and remove any public holidays as appropriate for that instrument. Alternatively, retrieving published average prices by specifying the Price Calculation Type (for example, MonthlyAverage) will already have public holidays removed in the calculation. Please refer to Fastmarkets' methodology for more information on holiday calendars for specific ferrous and non-ferrous market prices and averages: <https://www.fastmarkets.com/about-us/methodology>.

6. Can I use other Microsoft Excel functions such as =TODAY() or =NOW() to calculate or automate a specific date or number of days/periods in the GetPriceHistory() function?

No. It is not recommended to nest or use volatile Microsoft Excel functions such as =TODAY() or =NOW() with Fastmarkets functions. For advice or assistance with this, please contact our Customer Success team: customersuccess@fastmarkets.com.


GET PRICE

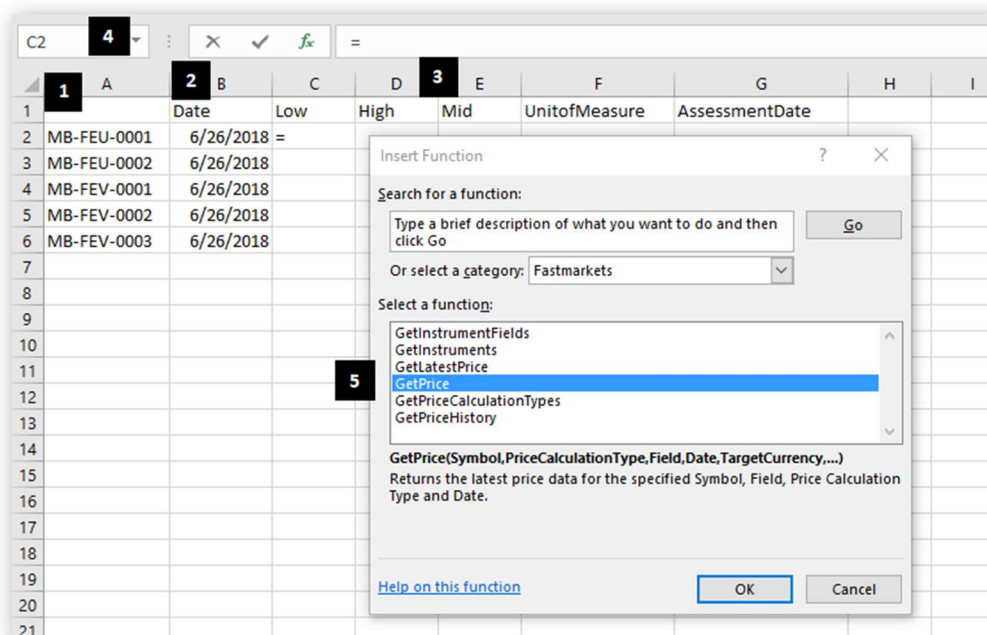
The GetPrice() function enables you to view the price **for one or more symbols and price calculation types as of a given date**. The table below provides a summary of this function.

Function summary	The GetPrice() function fetches the price for a symbol and price calculation type <u>as of a given date</u> . It can be used to get the High, Mid and Currency fields, among others. Because the function applies to an individual cell, it gives the user control over the layout of the workbook. Once the table is laid out, the formula may be dragged or copied to fill other cells.
Input parameters	Symbol; PriceCalculationType; Field; Date (Note: The TargetCurrency and TargetUnitOfMeasure parameters are unsupported/coming soon. You can leave these blank.) NOTE: Nesting volatile Microsoft Excel functions such as =TODAY() or =NOW() into date parameter inputs is not recommended.
Output for the function	Inserts a single field (for instance, High, Low, Mid, Currency) into the selected cell that

	represents the most recent price data as of the given date. The Excel Add-in rolls the last available price forward. For example, a price is updated on Monday. For the subsequent Tuesday, Wednesday, Thursday and Friday, the function will return Monday's price.
Example	=GetPriceData("MB-AL-0001", "Low","07/02/2018")

Get the price(s) for a specific date

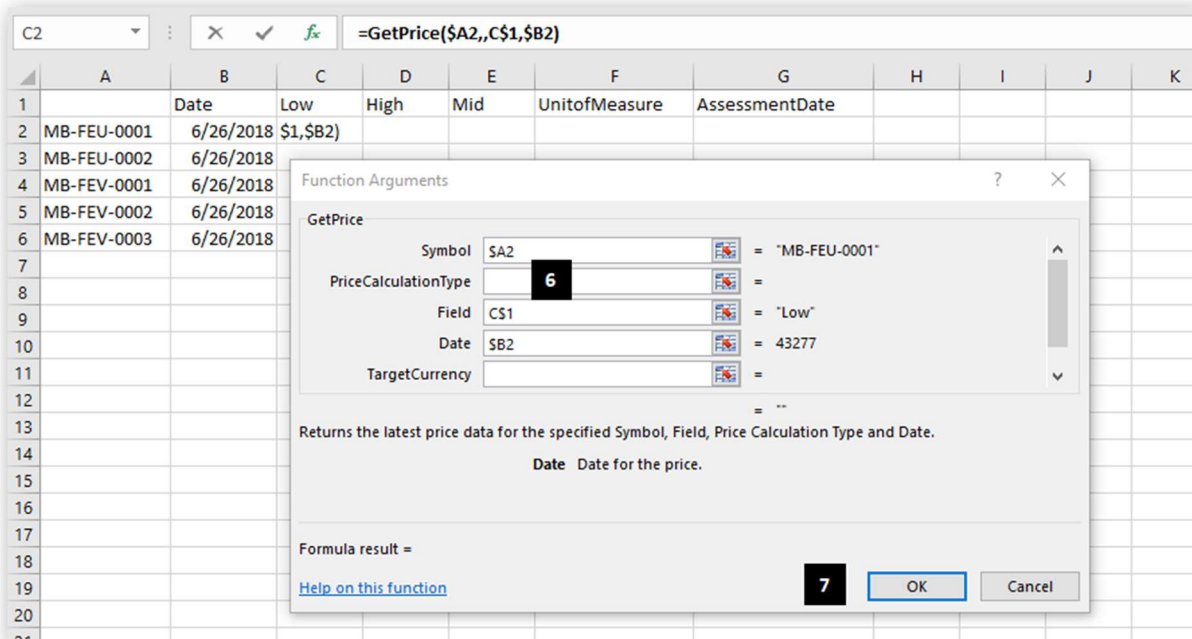
1. Copy and paste the required symbol(s) into a new sheet. For this example, we're using symbols "MB-FEU-0001," MB-FEU-0002," "MB-FEV-0001," "MB-FEV-0002" and "MB-FEV-0003."
2. Insert the date for which you want to display the price(s). For this example, we're using June 26, 2018.
3. Fill in the column headers with the required price fields. **Fastmarkets' Excel Add-in supports the fields outlined in the table in the Appendix.** For this example, we're using Low, High, Mid, UnitOfMeasure and AssessmentDate.
4. Select the cell where you want the first price to be inserted (for example, C2).
5. Click on the "function wizard" icon (), choose the "Fastmarkets" category and select the "GetPrice" function. Then click OK.



6. Fill in the parameters as below:

- **Symbol:** Click on the cell where the first price symbol has been inserted (in this example, A2). Apply the dollar sign (\$) sign to the column (\$A2). This will allow you to copy the formula to other cells.
- **Field:** Click on the cell where the first price field – “Low” – has been inserted (in this example, C1). Apply the dollar sign (\$) sign to the row (C\$1). This will allow you to copy the formula to other cells.
- **Date:** Click on the cell where the date has been inserted (in this example, B2). Apply the dollar sign (\$) sign to the row (\$B2). This will allow you to copy the formula to other cells.
- **TargetCurrency:** This parameter is coming soon. It can be left blank.
- **TargetUnitOfMeasure:** This parameter is coming soon. It can be left blank.

7. Click OK.



Function Arguments

GetPrice

Symbol: \$A2 = "MB-FEU-0001"

PriceCalculationType: 6 =

Field: C\$1 = "Low"

Date: \$B2 = 43277

TargetCurrency: =

Returns the latest price data for the specified Symbol, Field, Price Calculation Type and Date.

Date: Date for the price.

Formula result =

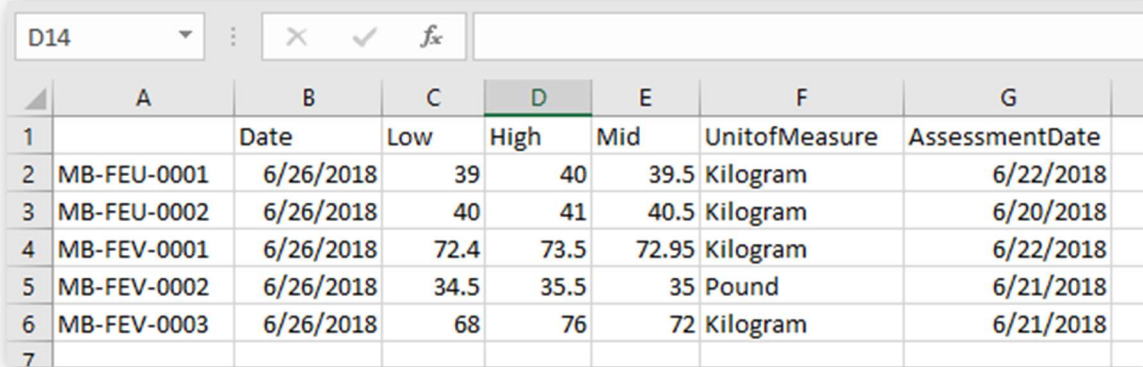
[Help on this function](#)

OK Cancel

8. The low price for the first symbol – “MB-FEU-0001” – will appear in cell C2, as shown in the following screenshot.

	A	B	C	D	E	F	G
1		Date	Low	High	Mid	UnitofMeasure	AssessmentDate
2	MB-FEU-0001	6/26/2018	39				
3	MB-FEU-0002	6/26/2018					
4	MB-FEV-0001	6/26/2018					
5	MB-FEV-0002	6/26/2018					
6	MB-FEV-0003	6/26/2018					
7							

9. Copy the formula over to get the information for all of the data fields you're seeking (see following screenshot). You can either grab the little square in the corner of the cell with the function in it and drag it across and down to highlight your entire table; or you can copy and paste the cell with the function in it into your entire table. Because you applied the dollar sign (\$) sign in the formula, all retrieved data will point to one of the price symbols in Column A and to one of the fields in Row 1.



	A	B	C	D	E	F	G
1		Date	Low	High	Mid	UnitofMeasure	AssessmentDate
2	MB-FEU-0001	6/26/2018	39	40	39.5	Kilogram	6/22/2018
3	MB-FEU-0002	6/26/2018	40	41	40.5	Kilogram	6/20/2018
4	MB-FEV-0001	6/26/2018	72.4	73.5	72.95	Kilogram	6/22/2018
5	MB-FEV-0002	6/26/2018	34.5	35.5	35	Pound	6/21/2018
6	MB-FEV-0003	6/26/2018	68	76	72	Kilogram	6/21/2018
7							

NOTE: If you are retrieving Monthly average prices for a specific period, it is recommended that you **request the last date of the month**. Monthly average prices are published and stored historically on the last working day of each month. For example, to retrieve the monthly average for April 2019, enter 04/30/2019 in the date parameter – not 04/01/2019. Entering 04/01/2019 will return the monthly average for March (the latest average value for that date).

APPENDIX: ERROR MESSAGES

The following table summarizes the error messages that may appear for Fastmarkets Excel Add-in users, along with a description/examples for each. All of these error messages are cell-based – they indicate an error with the formula entered in the given cell.

ERROR MESSAGE	DESCRIPTION / EXAMPLE
#N/A Server error: Instrument <symbol> does not exist	An invalid symbol was entered in the formula (for example, MB-AL-0000000001).
#N/A Server error: The date '01-01-2030' represents future time.	The StartDate or EndDate represents future time.
#N/A Invalid field: (field name)	An invalid field was entered in the formula. For example, the user enters the following: =GetPriceData("MB-AL-0001","Open", "07/03/2018"), which specifies the field "Open" that is not among the supported fields for physical prices. In this example, the error message will display: #N/A Invalid field: Open.
#N/A Invalid parameter: (parameter name)	A parameter is missing in the formula. For example, the user tries to create the GetPriceData function without specifying the date. In this instance, the error message will display: #N/A Invalid parameter: Date.
#N/A Invalid parameter: VerticalHorizontalOrder	An invalid value was entered for the VerticalHorizontalOrder parameter (something other than "H" or "V").
#N/A Invalid parameter: AscendingDescending	An invalid value was entered for the AscendingDescending parameter (something other than "D" or "A").
#N/A Invalid parameter: PriceCalculationType	Price calculation type cannot be found in the database.
#N/A Invalid parameter: FillSetting	The value entered for "FillSettings" is other than "ValueOnly", "CarryForward", "Null".
#N/A No Price available for selected calculation type	There is no price available for the selected price calculation type.
#N/A Invalid parameter: End Date	An invalid End Date parameter was entered (for example, the user specified an End Date that comes before the Start Date).

#N/A Invalid parameter: Filter	An invalid Filter was entered in the GetReferenceData() function that doesn't return any results.
#N/A Log in required	You are not logged in.
#N/A Server error: You do not have access to instrument <symbol>	You are not authorized to see the given price.
#N/A Update required	The user's version is below the minimum supported version.
#N/A Timeout	A network error occurred.
#N/A Server error	A server error occurred.
#N/A No data for given date	No prices are available for the requested symbol and date.
#N/A N/A	Any other error case that is not covered above.

APPENDIX: FIELD DESCRIPTIONS

FIELD	DESCRIPTION	RESULT
Date	Date stamp for returned data.	dd/mm/yyyy or mm/dd/yyyy – Excel date value that defaults to user's local date format
AssessmentDate	Date and time of most recent or specified assessment	dd/mm/yyyy or mm/dd/yyyy – Excel date value that defaults to your local date format
Period	Text field providing a description of the period where PriceCalculationType selected is an average	Note this will be blank if PriceCalculationType = Actuals e.g. 17-23 Nov 2018 for a weekly average value
Low	Low price	e.g. 88
Mid	Mid price	e.g. 89
High	High price	e.g. 90
Currency	Currency description	e.g. 3 letter ISO Currency Code EUR
UnitOfMeasure	Unit of measure description	e.g. Tonne
Product	Commodity product name	e.g. Aluminium 99.7%
Location	Instrument location of origin	e.g. Japan
Source	Data source of the assessed value	e.g. American Metal Market or Metal Bulletin
Incoterm	Incoterm description	e.g. Cost, insurance and freight
Commodity	Commodity	e.g. Copper

Price Type	The type of published price	e.g. Index
Frequency	Frequency of assessment	e.g. Weekly
Status	Status description of symbol	e.g. Active, Discontinued
Correction	Revision flag indicating a price value has been corrected	e.g. TRUE (price value has been corrected) or FALSE (price value has not been corrected)
Appraisal price	Flag indicating a price is undergoing an appraisal process prior to final assessment. Note – this may not be available for every symbol	e.g. TRUE (price is undergoing appraisal process) or FALSE (price is not undergoing appraisal process)
Pricing rationale	Text information providing editorial rationale behind an assessment price. Note – this may not be available for every symbol	e.g. Premium unchanged with majority of participants out of the market due to year-end holidays.
LowChange	Difference between low price of previous assessment and low price of latest assessment	e.g. -1.0
LowChange%	Difference between low price of previous assessment and low price of latest assessment expressed as a decimal value	e.g. 0.01 = 1%, -0.01 = -1%
MidChange	Difference between mid price of previous assessment and mid price of latest assessment	e.g. -1.0
MidChange%	Difference between mid price of previous assessment and mid price of latest assessment expressed as a decimal value	e.g. 0.01 = 1%, -0.01 = -1%
HighChange	Difference between high price of previous assessment and high price of latest assessment	e.g. -1.0
HighChange%	Difference between high price of previous assessment and high price of latest assessment expressed as a decimal value	e.g. 0.01 = 1%, -0.01 = -1%
Description	Full description of instrument	e.g. Aluminium Scrap, Commercial turnings, United Kingdom, delivered consumer works, £ per tonne

APPENDIX: HOLIDAY CALENDAR

A link to the latest Fastmarkets pricing holiday calendar can be found at the bottom of the Fastmarkets methodology website here - <https://www.fastmarkets.com/about-us/methodology>.