

# Construction Rules for the Morningstar® Global Markets Index<sup>SM</sup>

## Morningstar Indexes

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## Overview

The Morningstar® Global Markets Index<sup>SM</sup> consists of liquid equities that provide investors with accurate benchmarks for performance measurement, as well as offering discrete building blocks for portfolio construction. These indexes provide an accurate, comprehensive depiction of the performance and fundamental characteristics of global equity markets through a comprehensive portfolio of accessible and liquid stocks.

The Morningstar Global Index is designed with the following key objectives in mind:

- ▶ **Transparent and objective rules:** The construction of indexes should be governed by a clear and transparent set of well-documented rules for security selection and exclusion, reconstitution, and adjustments for corporate actions.
- ▶ **The right balance between comprehensive market coverage and full investability:** Indexes should reflect the actual investment opportunities available to active and passive managers. At the same time, they should reflect the overall economic importance of the company — the larger and more liquid the security, the more weight it deserves in the index. The goal is to find the right balance between completeness and investability.
- ▶ **Nonoverlapping and hierarchical:** Indexes should include all qualified stocks in the broad market index. There should be no “sampling” or other process whereby some stocks are ignored or their influence reduced. Each stock in the broad market index is included in one and only one of the subcomponents at each level.
- ▶ **Facilitate asset allocation across geographic regions and countries:** The Morningstar Global Markets Index should provide discrete building blocks that serve as asset class proxies based on economic segment (the U.S.; developed, excluding the U.S.; and emerging), geographical regions, and country.
- ▶ **Minimize index turnover:** Indexes incur turnover as they are rebalanced in line with their stated methodology, which results in high management costs and difficulty in tracking. The Morningstar indexes are designed to limit unnecessary turnover.

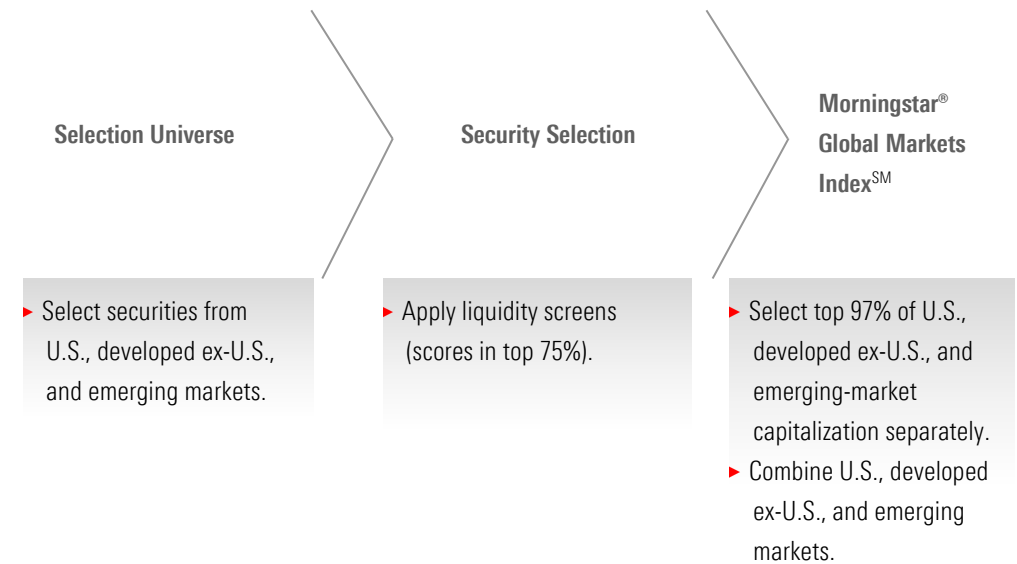
This index does not incorporate environmental, social, or governance, or ESG, criteria.

## Index Inception Date and Performance Inception Date

The inception date of the index is Dec. 22, 2014, and the performance inception date of the index is June 30, 1998, when the first back-tested index value was calculated.

## Index Construction

**Exhibit 1** Morningstar Global Markets Index Construction Process



For additional details, refer to the "Assigning Stocks to the Index" section.

### Assigning Stocks to the Index

#### Selection Universe

At each reconstitution, the global equity universe is defined based on the criteria for the U.S. and global ex-U.S. universe. For more details, refer to the construction rules for the [Morningstar US Market](#) and [Morningstar Global Markets ex-US](#) indexes (derived indexes).

#### Security Selection

To be eligible for the index, all constituents of the U.S. and ex-U.S. universe must meet the following criteria:

- ▶ Trading frequency
- ▶ Dollar trading volume and turnover
- ▶ Free-float market-capitalization requirements

Each security that meets these general criteria is considered for inclusion in one of three economic segment indexes: U.S., developed ex-U.S., or emerging. The country classification process determines membership in the appropriate index. Each security that passes all of the screens will be assigned one of the following capitalization bands: large, mid-, or small. For more details on the criteria, country classification, and capitalization band, refer to the previously mentioned construction rules of the derived indexes.

Subsequently, individual regional and country indexes are derived from the constituents of the Morningstar Global Markets Index.

### Calculating the Economic Segment-Level Capitalization Breakpoints

For each economic segment (U.S., developed ex-U.S., and emerging), the companies are ordered by market capitalization in descending order. Next, the cumulative market-capitalization percentage is calculated for each stock within its economic segment. The market capitalization of the largest stock whose cumulative market-capitalization percentage is greater than the following percentages is taken as the capitalization breakpoint for that capitalization band.

- ▶ Large Cap: 70%
- ▶ Mid-Cap: 90%
- ▶ Small Cap: 97%

There are buffers around these targets, which differ for the U.S. and ex-U.S. regions. For further details, refer to the construction rules for the derived indexes.

### Number of Stocks

The number of stocks in the index is subject to the selection and eligibility criteria at the time of reconstitution.

### Index Weighting

The index is float market capitalization weighted. For more details, refer to the [Morningstar Indexes Calculation Methodology rulebook](#).

## Index Maintenance and Calculation

### Scheduled Maintenance

The index is reconstituted semiannually and implemented after the close of business on the third Friday of June and December and is effective the following Monday. If Monday is a holiday, reconstitution is effective on the immediate following business day. The market data used for reconstitution is as of the last trading day of April and October.

The index is rebalanced quarterly and implemented after the close of business on the third Friday of March, June, September, and December and is effective the following Monday. If Monday is a holiday, rebalance is effective on the immediate following business day. The market data used for rebalance is as of the last trading day of February, May, August, and November.

Refer to Appendix 1 for details on reconstitution and rebalancing.

### Corporate Action

The treatment of corporate actions can be found in the [Morningstar Indexes Corporate Actions Methodology rulebook](#).

### Index Calculation and Price Data

Details about index calculation and price data can be found in their respective rulebooks: [Morningstar Indexes Calculation Methodology](#) and [Equity Closing Prices Used for Index Calculation](#).

### **Methodology Review and Index Cessation Policy**

The index methodology is continually reviewed to ensure it achieves all stated objectives. These reviews take into account corporate action treatment, selection, and maintenance procedures. Subscribers to the index will be notified before any methodology changes are made. For more details, refer to the [Morningstar Index Methodology Change Process](#).

Morningstar also notifies all index subscribers and stakeholders that circumstances might arise that require a material change to the index, or a possible cessation. Circumstances that could lead to an index cessation include, but are not limited to, market structure change, product definition change, inadequate supply of data, insufficient revenue associated with the index, insufficient number of clients using the index, and/or other external factors beyond the control of the Morningstar Index Committee.

Because the cessation of the index or benchmark index could disrupt subscriber products that reference this index, all subscribers are encouraged to have robust fallback procedures if an index is terminated. For more details, refer to the [Morningstar Index Cessation Process](#).

### **Data Correction and Precision**

#### **Intraday Index Data Corrections**

Commercially reasonable efforts are made to ensure the accuracy of data used in real-time index calculations. If incorrect price or corporate action data affect index daily highs or lows, they are corrected retroactively as soon as is feasible.

#### **Index-Related Data and Divisor Corrections**

Incorrect pricing and corporate action data for individual issues in the database will be corrected upon detection. In addition, an incorrect divisor of an index, if discovered within five days of its occurrence, will always be fixed retroactively on the day it is discovered to prevent an error from being carried forward. Commercially reasonable efforts are made to correct an older error subject to its significance and feasibility.

For more details, refer to the [Recalculation Guidelines](#).

#### **Computational and Reporting Precision**

For reporting purposes, index values are rounded to two decimal places and divisors are rounded to appropriate decimal places.

## Appendixes

### Appendix 1: Glossary

Terms	Description
<b>Reconstitution</b>	<p>Each reconstitution involves the following:</p> <ul style="list-style-type: none"> <li>• Updating the global market's investable equity universe.</li> <li>• Reviewing the economic segment- and country-level size segment breakpoints.</li> <li>• Assigning companies to capitalization bands taking into account the buffer zones.</li> <li>• Changes in index shares (free float, total shares outstanding, index-specific adjustment factor) of each constituent.</li> </ul>
<b>Rebalance</b>	<p>Each rebalancing involves the following:</p> <ul style="list-style-type: none"> <li>• Changes in index shares (free float, total shares outstanding, index-specific adjustment factor) of each Constituent.</li> <li>• Addition of U.S. spin-offs/IPOs to the global markets index</li> </ul>
<b>World Bank Country Classification</b>	<p>For operational and analytical purposes, the World Bank's main criterion for classifying economies is gross national income per capita. The bank's analytical income categories (low, middle, and high) are based on the bank's operational lending categories (civil works preferences, International Development Association eligibility, etc.). These operational guidelines were established decades ago, based on the view that since poorer countries deserve better conditions from the bank, comparative estimates of economic capacity needed to be established. GNI, a broad measure, was considered to be the best single indicator of economic capacity and progress; at the same time it was recognized that GNI does not, by itself, constitute or measure welfare or success in development. GNI per capita is therefore the bank's main criterion of classifying countries.</p> <p>Source: World Bank</p>
<b>Country Market Capitalization and Country Market Capitalization/GDP Ratio</b>	<p>The size of a country's equity markets should be material, or above \$5 billion. The market should exhibit financial depth; that is, the ratio of the size of the country's equity markets to its gross domestic product should be high. Countries that fall in the bottom 20% are removed from index eligibility.</p>
<b>Additional Country Inclusion Criteria</b>	<p>The following criteria are taken into account when determining country eligibility:</p> <ul style="list-style-type: none"> <li>• The country's allowance of foreign investors to easily enter and exit the market, as well as to repatriate capital and dividends.</li> <li>• Timely and accurate availability of real-time and historical market data.</li> <li>• The level of interest attracted by the market from international investors.</li> </ul>

### Appendix 2: Developed- and Emerging-Market Classification

Countries are classified as developed if they meet all of the following criteria:

- ▶ Annual per capita GNI falls in the high-income category, as defined by the World Bank, for the most recent three consecutive years. As of 2014, the World Bank defines countries with per capita GNI in excess of \$12,736 as high income.
- ▶ The country must not have in place any broad-based discriminatory controls against nondomiciled investors for the most recent three years.
- ▶ The country's stock markets must exhibit these characteristics:
  - ▶ Transparency
  - ▶ Market regulation
  - ▶ Operational efficiency
  - ▶ Absence of broad-based investment restrictions

Countries that do not meet all of the above criteria fall into the emerging-markets economic segment. For example, a country may be classified as high income by the World Bank, but because of a lack of transparency within local markets, it falls into the emerging-markets economic segment.

Classification	Country	Classification	Country
<b>Developed</b>	Australia	<b>Emerging</b>	Brazil
	Austria		Chile
	Belgium		China
	Canada		Colombia
	Denmark		Czech Republic
	Finland		Egypt
	France		Greece
	Germany		Hungary
	Hong Kong		India
	Ireland		Indonesia
			Kuwait
	Israel		Malaysia
	Italy		Mexico
	Japan		Pakistan
	Netherlands		Peru
	New Zealand		Philippines
	Norway		Poland
	Portugal		Qatar
	Singapore		Russia
	Spain		Saudi Arabia
	Sweden		South Africa
Switzerland	South Korea		
United Kingdom	Taiwan		
United States	Thailand		
	Turkey		
	United Arab Emirates		

### Appendix 3: Eligible Securities

Equity and equitylike securities are eligible for the index. Security eligibility is reviewed semiannually during April and October.

Classification	Country	Security Class
<b>Developed Market</b>	Australia	Ordinary Shares
		Preferred Shares
		Stapled Securities
	Austria	Ordinary Shares
		Preferred Shares
		Units/Certificates
	Belgium	Ordinary Shares
		Preferred Shares
	Canada	Ordinary Shares
		Units of Income Trusts
		Stapled Securities
	Denmark	Ordinary Shares
	Finland	Ordinary Shares
	France	Ordinary Shares
		Preferred Shares
		Certificats d'Investissement
		Certificats Coopératif d'Investissement

Germany	Ordinary Shares Preferred Shares
Hong Kong	Ordinary Shares Business Trusts Stapled Securities
Ireland	Ordinary Shares Units
Israel	Common Shares Preferred Shares
Italy	Ordinary Shares Preferred Shares Savings Shares
Japan	Ordinary Shares
Netherlands	Ordinary Shares Preferred Shares Certificates
New Zealand	Ordinary Shares Preferred Shares Certificates
Norway	Ordinary Shares Certificates
Portugal	Ordinary Shares
Singapore	Ordinary Shares Business Trust
Spain	Ordinary Shares Preferred Shares
Sweden	Ordinary Shares Swedish Depositary Receipts
Switzerland	Ordinary Shares Preferred Shares Certificates
United Kingdom	Ordinary Shares Units
United States	Ordinary Shares Tracking Stock

Classification	Country Name	Security Class
<b>Emerging Market</b>	Brazil	Ordinary Shares Preferred Shares Units
	Chile	Ordinary Shares Preferred Shares
	China	B Shares A Shares H Shares* P Chip* Red Chip*
	Colombia	Ordinary Shares Preferred Shares
	Czech Republic	Ordinary Shares
	Egypt	Ordinary Shares
	Greece	Ordinary Shares Preferred Shares
	India	Ordinary Shares
	Indonesia	Ordinary Shares
	Kuwait	Ordinary Shares Preferred Shares
	Malaysia	Ordinary Shares
	Mexico	Ordinary Shares

	Units
	Certificate of Participation
Pakistan	Ordinary Shares
Peru	Ordinary Shares
	Preferred Shares
	Investment Shares
Philippines	Ordinary Shares
	Philippine Depositary Receipts
Poland	Ordinary Shares
Qatar	Ordinary Shares
Russia	Ordinary Shares
	Preferred Shares
Saudi Arabia	Ordinary Shares
South Africa	Ordinary Shares
	Preferred Shares
	Units
South Korea	Ordinary Shares
	Preferred Shares
Taiwan	Ordinary Shares
	Preferred Shares
Thailand	Ordinary Shares
	Preferred Shares
Turkey	Ordinary Shares
United Arab Emirates	Ordinary Shares

\*The H shares, P chip, and the Red chip securities are listed at the Hong Kong stock exchange.

#### **Appendix 4: Eligible Exchanges**

Securities listed on eligible market segments are eligible for the index. Exchange eligibility is reviewed semiannually during April and October.



Classification	Country	Eligible Exchange	Eligible Market Segment	Ineligible Market Segment
<b>Developed Market</b>	Australia	Australian Securities Exchange	Official List	
	Austria	Vienna Stock Exchange	Prime Market Standard Market Mid Market-Regulated	Mid Market-MTF
	Belgium	Euronext Brussels	Euronext Alternext	Free Market Segment
	Canada	Toronto Stock Exchange	Official List	
	Denmark	Copenhagen Stock Exchange First North	Main Market	
	Finland	Helsinki Stock Exchange First North	Main Market	
	France	Euronext Paris	Euronext Alternext	Free Market Segment
	Germany	Deutsche Borse Xetra	Prime Standard General Standard	Entry Standard
	Hong Kong	Hong Kong Stock Exchange	Main Board Growth Enterprise Market(GEM)	
	Ireland	Irish Stock Exchange	Main Securities Market Enterprise Securities Market	
	Israel	Tel Aviv Stock Exchange		
	Italy	Borsa Italiana	MTA	MIB AIM Italia-MAC
	Japan	Tokyo Stock Exchange Nagoya Stock Exchange	First Section Second Section Mothers JASDAQ First Section Second Section Centrex	Other
	Netherlands	Euronext Amsterdam	Euronext Alternext	
	New Zealand	New Zealand Stock Exchange	Main Board Alternative Market	Fonterra Shareholders' Market
	Norway	Oslo Stock Exchange	Oslo Bors Oslo Axess	
	Portugal	Euronext Lisbon	Euronext Alternext	
	Singapore	Singapore Stock Exchange	Main Board CATALIST	
	Spain	Madrid Stock Exchange		
	Sweden	Stockholm Stock Exchange First North AktieTorget Nordic Growth Market	Main Market	
	Switzerland	SIX Swiss Exchange		
	United Kingdom	London Stock Exchange	Main Market AIM Market	
	United States	NYSE, NYSE Market LLC, NASDAQ		

Source: Morningstar.

Classification	Country	Eligible Exchange	Eligible Market Segment	Ineligible Market Segment
<b>Emerging Market</b>	Brazil	BM&F Bovespa SA	Traditional Level 1 Level 2 Novo Mercado	
	Chile	Santiago Stock Exchange		
	China	Shenzhen Stock Exchange Shanghai Stock Exchange Shenzhen-Hong Kong Stock Connect Shanghai-Hong Kong Stock Connect		ChiNext
	Colombia	Colombian Securities Exchange		
	Czech Republic	Prague Stock Exchange	Prime Market Standard Market	Start Market
	Egypt	The Egyptian Exchange		
	Greece	Athens Stock Exchange	Main Market Alternative Market	Low Dispersion Surveillance Under Suspension Under Deletion
	Hungary	Budapest Stock Exchange	Primary Market Standard Market	T Market
	India	Bombay Stock Exchange National Stock Exchange		
	Indonesia	Jakarta Stock Exchange	Main Board Development Board	
	Kuwait	Boursa Kuwait	Premier Market Main Market	
	Malaysia	Kuala Lumpur Stock Exchange	Main Market Ace Market	PN-17 GN-3
	Mexico	Mexican Stock Exchange	Capitals Market	
	Pakistan	Karachi Stock Exchange		
	Peru	Lima Stock Exchange		
	Philippines	Philippine Stock Exchange	Main Board	
	Poland	Warsaw Stock Exchange	Basic Market Parallel Market	
	Qatar	Qatar Stock Exchange		
	Russian Federation	MICEX		
	Saudi Arabia	Saudi Arabia Exchange		
	South Africa	Johannesburg Stock Exchange	Main Board AltX	
	South Korea	Korea Exchange	KOSPI KOSDAQ	KONEX
	Taiwan	GreTai Securities Market Taiwan Stock Exchange	Main Board Main Board	Emerging Market Board Alternate Trading Method
	Thailand	The Stock Exchange of Thailand	Local Stock  Market for Alternative Investment	Companies to be Delisted Foreign Common Stock
	Turkey	Istanbul Stock Exchange	National Market Second National Market New Economy Market (ECM Companies)	
	United Arab Emirates	Abu Dhabi Securities Exchange Dubai Financial Market NASDAQ Dubai		

Source: Morningstar.

**Appendix 5: Inception and Calculation Inception Dates**

Index	Inception Date	Calculation Inception Date
Morningstar Australia Index	1998-06-30	2014-12-22
Morningstar Austria Index	1998-12-31	2014-12-22
Morningstar Belgium Index	1998-06-30	2014-12-22
Morningstar Brazil Index	1998-06-30	2014-12-22
Morningstar Canada Index	1998-06-30	2014-12-22
Morningstar Chile Index	1998-06-30	2014-12-22
Morningstar China Index	2000-06-16	2014-12-22
Morningstar Colombia Index	2002-12-20	2014-12-22
Morningstar Czech Republic Index	2002-12-20	2014-12-22
Morningstar Denmark Index	1998-06-30	2014-12-22
Morningstar Egypt Index	2002-12-20	2014-12-22
Morningstar Finland Index	1998-06-30	2014-12-22
Morningstar France Index	1998-06-30	2014-12-22
Morningstar Germany Index	1998-06-30	2014-12-22
Morningstar Greece Index	1998-12-31	2014-12-22
Morningstar Hong Kong Index	1998-06-30	2014-12-22
Morningstar Hungary Index	1998-06-30	2014-12-22
Morningstar India Index	1998-06-30	2014-12-22
Morningstar Indonesia Index	1998-06-30	2014-12-22
Morningstar Ireland Index	1998-06-30	2014-12-22
Morningstar Israel Index	2002-12-20	2014-12-22
Morningstar Italy Index	1998-06-30	2014-12-22
Morningstar Japan Index	1998-06-30	2014-12-22
Morningstar Korea Index	1998-06-30	2014-12-22
Morningstar Kuwait Index	2020-12-18	2020-03-03
Morningstar Malaysia Index	1998-06-30	2014-12-22
Morningstar Mexico Index	1998-06-30	2014-12-22
Morningstar Netherlands Index	1998-06-30	2014-12-22
Morningstar New Zealand Index	1998-06-30	2014-12-22
Morningstar Norway Index	1998-06-30	2014-12-22
Morningstar Pakistan Index	2017-06-16	2017-06-16
Morningstar Peru Index	1998-06-30	2014-12-22
Morningstar Philippines Index	1998-06-30	2014-12-22
Morningstar Poland Index	1998-06-30	2014-12-22
Morningstar Portugal Index	1998-12-31	2014-12-22
Morningstar Qatar Index	2015-06-22	2015-06-22
Morningstar Russia Index	1998-12-31	2014-12-22
Morningstar Saudi Arabia Index	2019-06-21	2019-08-06
Morningstar Singapore Index	1998-06-30	2014-12-22

Morningstar South Africa Index	1998-06-30	2014-12-22
Morningstar Spain Index	1998-12-31	2014-12-22
Morningstar Sweden Index	1998-06-30	2014-12-22
Morningstar Switzerland Index	1998-06-30	2014-12-22
Morningstar Taiwan Index	1998-06-30	2014-12-22
Morningstar Thailand Index	1998-06-30	2014-12-22
Morningstar Turkey Index	1998-06-30	2014-12-22
Morningstar UK Index	1998-06-30	2014-12-22
Morningstar United Arab Emirates Index	2015-06-22	2015-06-22
Morningstar US Market Index	1991-12-31	2018-06-28
Morningstar ASEAN ex-Vietnam Index	1998-06-30	2017-06-28
Morningstar Asia ex-Japan Index	1998-06-30	2014-12-22
Morningstar Asia Index	1998-06-30	2014-12-22
Morningstar Asia Pacific ex-Japan Index	1998-06-30	2014-12-22
Morningstar Asia Pacific Index	1998-06-30	2014-12-22
Morningstar Australia New Zealand 50/50 Index	1998-06-30	2018-02-07
Morningstar BRIC Index	1998-06-30	2017-07-03
Morningstar Developed Markets Americas Index	1998-06-30	2014-12-22
Morningstar Developed Markets Asia Pacific ex-Japan Index	1998-06-30	2014-12-22
Morningstar Developed Markets Asia Pacific Index	1998-06-30	2014-12-22
Morningstar Developed Markets Europe ex-UK Index	1998-06-30	2014-12-22
Morningstar Developed Markets Europe Index	1998-06-30	2014-12-22
Morningstar Developed Markets ex-Australia Index	1998-06-30	2017-08-21
Morningstar Developed Markets ex-Europe Index	1998-06-30	2020-03-02
Morningstar Developed Markets ex-Japan Index	1998-06-30	2017-04-17
Morningstar Developed Markets ex-North America Index	1998-06-30	2015-05-01
Morningstar Developed Markets ex-UK Index	1998-06-30	2020-02-27
Morningstar Developed Markets ex-US Index	1998-06-19	2015-06-22
Morningstar Developed Markets Index	1998-06-30	2014-12-22
Morningstar Emerging Markets Americas Index	1998-06-30	2014-12-22
Morningstar Emerging Markets Asia Index	1998-06-30	2014-12-22
Morningstar Emerging Markets Europe Index	1998-06-30	2014-12-22
Morningstar Emerging Markets ex-Europe Index	1998-06-30	2020-02-27
Morningstar Emerging Markets Index	1998-06-30	2015-06-22
Morningstar Europe Index	1998-06-30	2014-12-22
Morningstar Eurozone Index	1998-06-30	2014-12-22
Morningstar Global ex-Australia Index	1998-06-30	2017-05-10
Morningstar Global ex-Japan Index	1998-06-30	2017-05-10
Morningstar Global Markets ex-India Index	1998-06-30	2017-07-24
Morningstar Global Markets ex-US Index	1998-06-19	2015-06-22
Morningstar Middle East & Africa Index	1998-06-30	2014-12-22
Morningstar Nordic Index	1998-06-30	2014-12-22

Morningstar Asia ex-Japan Large Cap Index	1998-06-30	2018-09-26
Morningstar Asia ex-Japan Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Asia Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Asia Pacific ex-Japan Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Asia Pacific Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Australia Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Canada Large Cap Index	1998-06-30	2019-03-22
Morningstar Canada Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Canada Small Cap Index	1998-06-30	2019-03-22
Morningstar Developed Markets Asia Pacific Large Cap Index	1998-06-30	2018-08-08
Morningstar Developed Markets Europe Large Cap Index	1998-06-30	2018-09-26
Morningstar Developed Markets Europe Large-Mid Cap Index	1998-06-30	2018-07-18
Morningstar Developed Markets ex-Australia Large-Mid Index	1998-06-30	2018-08-06
Morningstar Developed Markets ex-North America Large Cap Index	1998-06-30	2018-05-28
Morningstar Developed Markets ex-US Large Cap Index	1998-06-30	2018-09-26
Morningstar Developed Markets ex-US Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Developed Markets Large Cap Index	1998-06-30	2016-07-08
Morningstar Developed Markets Large-Mid Cap Index	1998-06-30	2016-06-20
Morningstar Emerging Markets Americas Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Emerging Markets Large Cap Index	1998-06-30	2018-09-26
Morningstar Emerging Markets Large-Mid Cap Index	1998-06-30	2018-07-18
Morningstar Europe Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Eurozone Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Germany Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Global Markets ex-US Large Cap Index	1998-06-30	2018-09-26
Morningstar Global Markets ex-US Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Global Markets Large Cap Index	1998-06-30	2017-01-30
Morningstar Global Markets Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Global Markets Small-Mid Cap Index	1998-06-30	2017-01-30
Morningstar India Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Japan Large Cap Index	1998-06-30	2018-09-26
Morningstar Japan Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Japan Small Cap Index	1998-06-30	2020-02-19
Morningstar Korea Large Cap Index	1998-06-30	2018-02-07
Morningstar Korea Small-Mid Cap Index	1998-06-30	2017-07-03
Morningstar Nordic Large Cap Index	1998-06-30	2018-09-26
Morningstar Nordic Large-Mid Cap Index	1998-06-30	2016-11-15

Morningstar North America Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar Thailand Small-Mid Cap Index	1998-06-30	2017-08-07
Morningstar UK Large Cap Index	1998-06-30	2015-03-27
Morningstar UK Large-Mid Cap Index	1998-06-30	2016-11-15
Morningstar UK Mid Cap Index	1998-06-30	2015-03-27
Morningstar UK Small Cap Index	1998-06-30	2015-03-27
Morningstar US Large Cap Index	1991-12-31	2018-06-28
Morningstar US Large-Mid Cap Index	1991-12-31	2010-03-22
Morningstar US Mid Cap Index	1991-12-31	2018-06-28
Morningstar US Small Cap Index	1991-12-31	2018-06-28
Morningstar US Small-Mid Cap Index	1991-12-31	2010-03-22
Morningstar Global Markets ex-UK Index	1998-06-30	2020-05-22
Morningstar Global Markets ex-Canada Index	1998-06-30	2020-05-22
Morningstar Global Markets ex-Europe Index	1998-06-30	2020-05-22

**About Morningstar, Inc.**

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