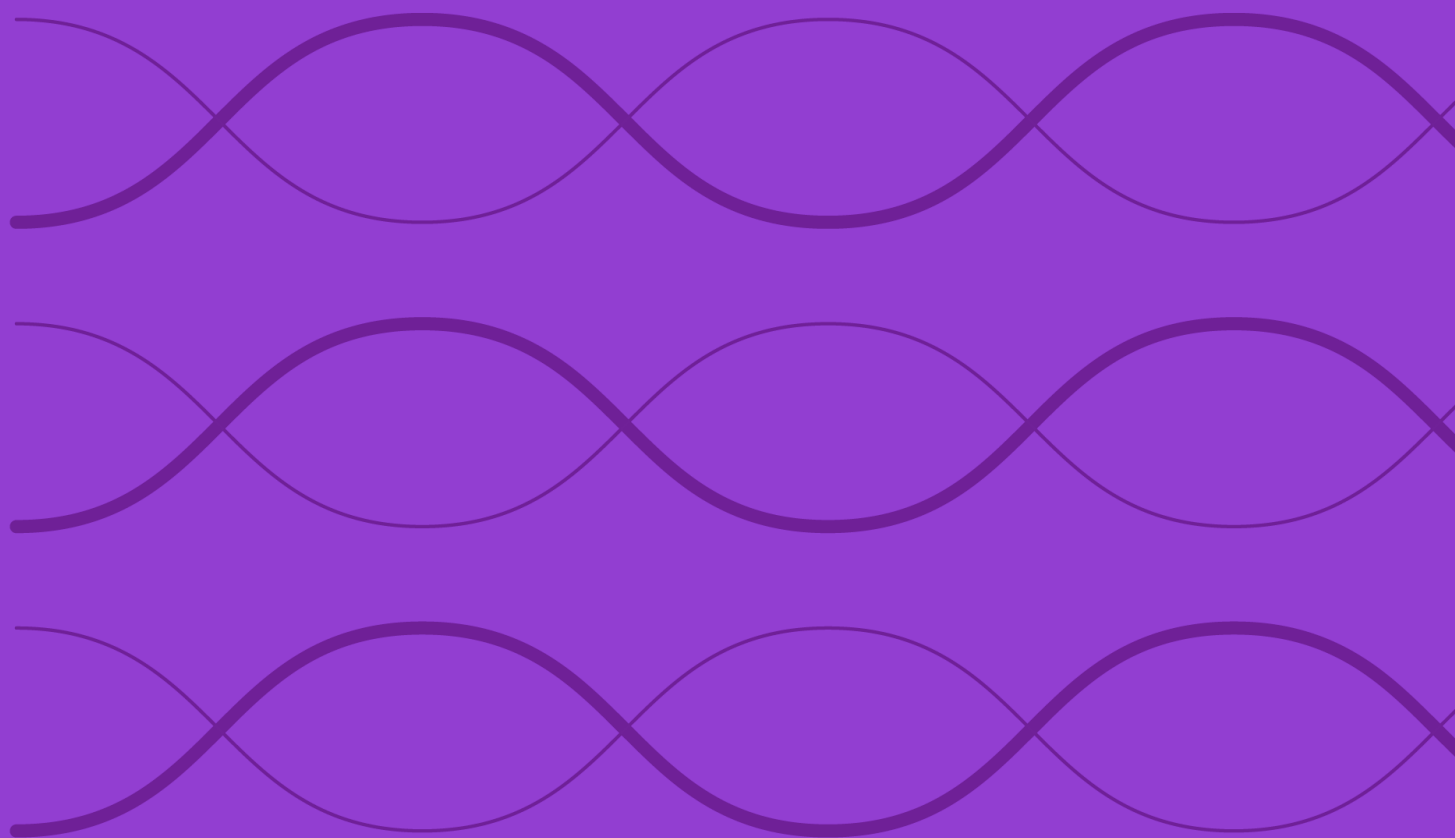


# Construction Rules for the Morningstar® Global Sector Indexes



<b>Overview .....</b>	<b>3</b>
<b>Index Construction .....</b>	<b>4</b>
Methodology Summary .....	4
Starting Universe.....	4
Eligibility .....	4
Portfolio Construction .....	5
<b>Index Maintenance and Calculation .....</b>	<b>6</b>
Scheduled Maintenance.....	6
Corporate Actions.....	6
Index Calculation and Price Data .....	6
<b>Methodology Review and Index Cessation Policy .....</b>	<b>7</b>
<b>Data Correction and Precision .....</b>	<b>8</b>
Intraday Index Data Corrections.....	8
Index-Related Data and Divisor Corrections.....	8
<b>Exceptions .....</b>	<b>8</b>
<b>Appendixes.....</b>	<b>9</b>
Appendix 1: Modifications to the Rulebook.....	9
Appendix 2: Glossary .....	9
Appendix 3: Morningstar Super Sector Indexes .....	9
Appendix 4: Morningstar Sector Indexes .....	9
Appendix 4: Morningstar Industry Group Indexes.....	13
Appendix 5: Morningstar Industry Indexes .....	16
<b>About Morningstar Indexes.....</b>	<b>24</b>

## Overview

The Morningstar Global Sector Indexes are designed to facilitate accurate performance benchmarking and efficient portfolio construction across 11 sectors and 145 industries as defined by the Morningstar Global Equity Classification Structure (GECS), a single, unified sector classification scheme which categorizes companies based on their primary lines of business. These indexes are derived from the Morningstar Global Market Index, which covers stocks representing the top 97% of the investable market.

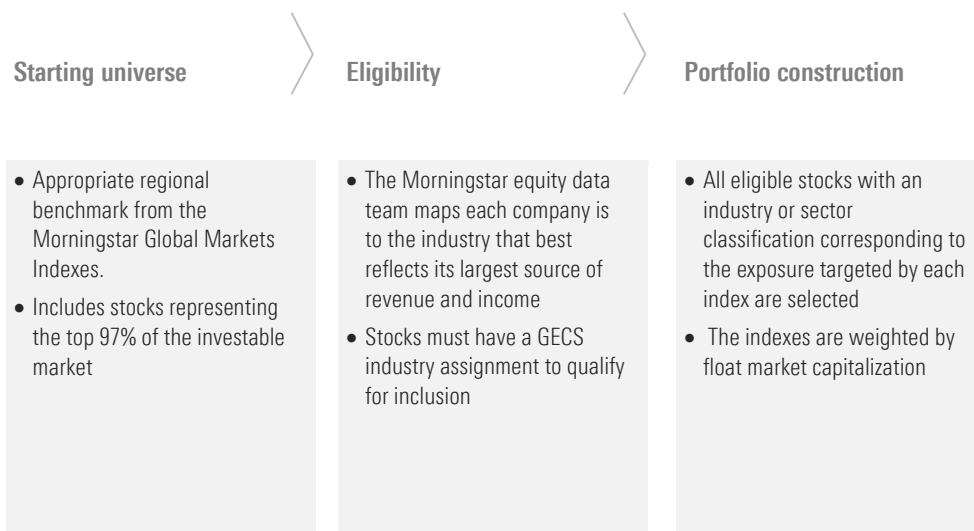
Morningstar GECS is an exhaustive and mutually exclusive taxonomy. At the foundation of the framework are 145 industry classifications, which then map to 55 industry groups. These industry groupings are bucketed into 11 sectors, each of which falls into one of three super sectors. 3 Super Sectors 11 Sectors 55 Industry Groups 145 Industries Each equity security is mapped to the industry that best reflects its largest source of revenue and income, based on public filings and Morningstar equity analyst input. Morningstar also considers business descriptions, assets, and competitors when revenue does not paint a clear picture. Industry assignments are reviewed annually or whenever there is a major corporate action. These indexes do not incorporate Environmental, Social, or Governance (ESG) criteria.

## Index Inception and Performance Start Date

The index inception dates and performance start dates, when the first back-tested index values were calculated, are listed in Appendix 3, 4, 5 & 6.

## Index Construction

### Methodology Summary



### Morningstar Global Sector Indexes

#### Starting Universe

At each reconstitution, securities for the Morningstar Global Sector Indexes are derived from the Morningstar Global Markets Index (benchmark). For more details on benchmark construction, refer to the [Construction Rules for the Morningstar Global Market Index](#).

#### Eligibility

Stocks in the starting universe are assigned to one of the 145 industries, which are rolled up to one of 11 sectors. Each sector is further grouped into one of three super sectors:

- Cyclical Super Sector
  - Basic materials
  - Consumer cyclical
  - Financial services
  - Real estate
- Defensive Super Sector
  - Consumer defensive
  - Healthcare
  - Utilities
- Sensitive Super Sector
  - Communication services
  - Energy
  - Industrials
  - Technology

With this classification system, indexes can be built at the industry, industry group, sector, or super sector level. The industry indexes are listed in Appendix 4. For more details regarding sectors and super sectors, please refer to the [Morningstar Global Equity Classification Structure rulebook](#).

## **Portfolio Construction**

All stocks under the relevant sector or industry are targeted for inclusion.

### *Number of Stocks*

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

### *Index Weighting*

These indexes are float market capitalization weighted. For more details, refer to the [Morningstar Indexes Calculation Methodology rulebook](#). The capped indexes in this family either apply a 20% cap or 5/20/50 capping. Indexes with a 20% cap, apply a 20% constituent level weighting cap. Indexes with 5/20/50 capping limit the top constituent weighting to 20% and the weightings of constituents over 5% may not sum to more than 50%. These constraints are applied at each rebalancing. Capping methodologies are outlined in Appendix 3, 4, 5, & 6.

## Index Maintenance and Calculation

### Scheduled Maintenance

The index is reconstituted, where the membership is reset, semi-annually on the third Friday of June and December. Adjustments are implemented after Friday's market close and reflected the following Monday. The market data used for reconstitution is as of the last trading day of April and October.

The index is rebalanced quarterly on the third Friday of March, June, September, and December. Adjustments are implemented after Friday's market close and reflected the following Monday. The market data used for rebalancing is as of the last trading day of February, May, August, and November.

Refer to Appendix 2 for details on reconstitution and rebalancing.

Index files are published according to the global calendar schedule, meaning index files will be published every day from Monday to Friday throughout the year, even on local market holidays.

### Corporate Actions

The treatment of corporate actions will be as per the float market capitalization weighted indexes. For more details, please refer to the "Treatment for float market capitalization indexes" section in the [Morningstar Indexes Corporate Actions Methodology rulebook](#)

### Index Calculation and Price Data

Details about index calculations 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 consider 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 Policy](#).

Morningstar Indexes notifies all subscribers and stakeholders of the index that circumstances might arise that require a material change to, or a possible cessation of, the index. These circumstances are generally not within Morningstar's control and may include significant changes to the underlying market structure, inadequate access to necessary data, geo-political events, and regulatory changes. In addition, factors such as low usage or methodology convergence may result in the cessation of an index.

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 affects index calculations, corrections are applied prospectively.

### Index-Related Data and Divisor Corrections

Incorrect pricing and corporate action data for individual issues in the database will generally be corrected upon detection. In addition, an incorrect divisor of an index, if discovered within two days of its occurrence, will 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](#).

### Exceptions

While Morningstar will seek to apply the method described above, the market environment, supervisory, legal, financial, or tax reasons may require an alternative approach to be adopted. A decision to take an alternative approach will be made by the relevant Morningstar Indexes Methodology Committee, and in all instances, the application of a nonstandard process will be reported to the Morningstar Indexes Oversight Committee.



## Appendixes

### Appendix 1: Modifications to the Rulebook

Section	Description of Change	Update Date
Entire Rulebook	Rulebook updated to new version.	February 2023
Appendix 4	Added additional indexes.	June 2023
Weighting	Added description of the capping methodology	June 2023
Index Maintenance & Calculation	Updated calendar to global for US sector indexes	February 2024
Data Correction & Precision	Computational and Reporting Precision removed	November 2024

### Appendix 2: Glossary

Terms	Description
Reconstitution	During each reconstitution, the steps mentioned in the index construction process are performed, resulting in membership reset.
Rebalance	During each rebalance, the weights are adjusted for updated free-float and shares outstanding data.

### Appendix 3: Morningstar Super Sector Indexes

Index	Performance Start Date	Inception Date	Security Capping Methodology
Morningstar US Cyclical Super Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Defensive Super Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Sensitive Super Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar Global Cyclical Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar Global Defensive Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar Global Sensitive Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Cyclical Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Defensive Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Sensitive Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Europe Cyclical Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Europe Defensive Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Europe Sensitive Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Asia Pacific Cyclical Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Asia Pacific Defensive Sectors Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Asia Pacific Sensitive Sectors Index	1998-06-30	2024-12-17	No capping applied

### Appendix 4: Morningstar Sector Indexes

Index	Performance Start Date	Inception Date	Capping Methodology
Morningstar Asia Basic Materials Index	1998-06-30	2019-11-11	No capping applied
Morningstar Asia Communication Services Index	1998-06-30	2019-11-11	No capping applied
Morningstar Asia Consumer Cyclical Index	1998-06-30	2019-11-11	No capping applied
Morningstar Asia Consumer Defensive Index	1998-06-30	2019-11-11	No capping applied
Morningstar Asia Energy Index	1998-06-30	2019-11-12	No capping applied
Morningstar Asia Financial Services Index	1998-06-30	2019-11-12	No capping applied
Morningstar Asia Healthcare Index	1998-06-30	2019-11-12	No capping applied
Morningstar Asia Industrials Index	1998-06-30	2019-11-12	No capping applied
Morningstar Asia Pacific Basic Materials Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Communication Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Consumer Cyclical Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Consumer Defensive Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Energy Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Financial Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Healthcare Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Industrials Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Real Estate Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Technology Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Pacific Utilities Index	1998-06-30	2017-04-25	No capping applied
Morningstar Asia Real Estate Index	1998-06-30	2019-11-12	No capping applied
Morningstar Asia Technology Index	1998-06-30	2019-11-12	No capping applied
Morningstar Asia Utilities Index	1998-06-30	2019-11-12	No capping applied
Morningstar Canada Natural Resources Index	1998-06-30	2015-03-23	No capping applied
Morningstar Developed Markets Asia Real Estate Index	1998-06-30	2017-06-28	No capping applied
Morningstar Developed Markets Basic Materials and Energy Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Basic Materials Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Communication Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Consumer Cyclical Index	1998-06-30	2017-07-31	No capping applied
Morningstar Developed Markets Consumer Defensive Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Energy Composite Index**	1998-06-30	2018-08-14	No capping applied
Morningstar Developed Markets Energy Index	1998-06-30	2018-07-18	No capping applied
Morningstar Developed Markets Europe Basic Materials Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Communication Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Consumer Cyclical Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Consumer Defensive Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Energy Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Financial Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Healthcare Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Industrials Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Real Estate Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Technology Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Europe Utilities Index	1998-06-30	2017-04-25	No capping applied

Morningstar Developed Markets Financial Services and Real Estate Index	1998-06-30	2017-07-31	No capping applied
Morningstar Developed Markets Financial Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Healthcare Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Industrials Index	1998-06-30	2018-07-18	No capping applied
Morningstar Developed Markets Real Estate Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Technology and Communication Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Technology Index	1998-06-30	2017-04-25	No capping applied
Morningstar Developed Markets Utilities Index	1998-06-30	2018-07-18	No capping applied
Morningstar Emerging Markets Basic Materials Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Communication Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Consumer Cyclical Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Consumer Defensive Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Energy Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Financial Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Healthcare Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Industrials Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Real Estate Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Technology Index	1998-06-30	2017-04-25	No capping applied
Morningstar Emerging Markets Utilities Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Basic Material Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Communication Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Consumer Cyclical Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Consumer Defensive Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Consumer Sectors Index*	1998-06-30	2017-06-28	No capping applied
Morningstar Global Energy Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Financial Services and Real Estate Index	1998-06-30	2017-04-27	No capping applied
Morningstar Global Financial Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Healthcare Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Industrials Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Markets Basic Materials and Energy Index	1998-06-30	2017-04-27	No capping applied
Morningstar Global Real Estate Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Technology and Communications Services Index	1998-06-30	2017-04-27	No capping applied
Morningstar Global Technology Index	1998-06-30	2017-04-25	No capping applied
Morningstar Global Utilities Index	1998-06-30	2017-04-25	No capping applied
Morningstar New Zealand Real Estate Index	1998-06-30	2018-02-07	No capping applied
Morningstar US Basic Materials and Energy Index	1998-06-30	2017-04-25	No capping applied
Morningstar US Basic Materials Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Communication Services Sector Capped Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Communication Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar US Consumer Cyclical Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Consumer Defensive Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Energy Sector Capped Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Energy Index	1998-06-30	2017-04-25	No capping applied

Morningstar US Financial Services and Real Estate Index	1998-06-30	2017-04-25	No capping applied
Morningstar US Financial Services Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Healthcare Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Industrials Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Real Estate Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Technology and Communication Services Index	1998-06-30	2017-04-25	No capping applied
Morningstar US Technology Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar US Utilities Sector Index	1991-12-31	2010-12-20	5/20/50
Morningstar UK Basic Materials Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Financial Services Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Consumer Cyclical Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Healthcare Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Real Estate Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Utilities Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Industrials Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Energy Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Technology Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Communication Services Index	1998-06-30	2024-11-11	No capping applied
Morningstar UK Consumer Defensive Index	1998-06-30	2024-11-11	No capping applied
Morningstar North America Utilities Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Communication Services Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Energy Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Financial Services Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Consumer Cyclical Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Technology Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Real Estate Group 20% Capped	2004-06-18	2024-12-16	20% Cap
Morningstar North America Consumer Defensive Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Industrials Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Basic Materials Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Healthcare Index	1998-06-30	2024-12-16	No capping applied
Morningstar Developed Markets Asia Pacific Basic Materials Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Communication Services Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Consumer Cyclical Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Consumer Defensive Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Energy Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Financial Services Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Healthcare Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Industrials Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Real Estate Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Technology Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Asia Pacific Utilities Index	1998-06-30	2024-12-19	No capping applied

## Appendix 5: Morningstar Industry Group Indexes

Index	Performance Start Date	Inception Date	Capping Methodology
Morningstar Global Alcoholic Beverages Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Apparel & Accessories Manufacturing Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Banks Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Business Services Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Capital Markets Group Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Chemicals Group Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Construction Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Consumer Packaged Goods Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Cyclical Retail Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Defensive Retail Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Diversified Financial Services Index	2020-12-18	2025-01-23	No capping applied
Morningstar Global Diversified Media Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Drug Manufacturers Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Forest Products Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Hardware Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Healthcare Providers & Services Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Homebuilding & Construction Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Industrial Products Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Insurance Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Interactive Media Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Medical Devices & Instruments Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Metals & Mining Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Oil & Gas Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Other Energy Sources Index	2019-12-20	2025-01-23	No capping applied
Morningstar Global Real Estate Group Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global REITs Group Index	1998-06-30	2025-01-23	No capping applied
Morningstar Global Semiconductors Group Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Software Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Steel Group Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Telecommunication Services Group Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Transportation Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Travel & Leisure Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Utilities - Regulated Index	1998-06-30	2025-01-27	No capping applied
Morningstar Global Vehicles & Parts Index	1998-06-30	2025-01-27	No capping applied
Morningstar North America Capital Markets Group Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Chemicals Group Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Construction Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Drug Manufacturers Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Homebuilding & Construction Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Insurance Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Medical Devices & Instruments Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Metals & Mining Index	1998-06-30	2024-12-18	No capping applied

Morningstar North America Oil & Gas Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Telecommunication Services Group Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Banks Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Business Services Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America REITs Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Transportation Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Travel & Leisure Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Utilities - Regulated Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Consumer Packaged Goods Index	1998-06-30	2024-12-18	No capping applied
Morningstar North America Diversified Media 20% Capped	1998-06-30	2024-12-18	20% Cap
Morningstar North America Hardware Capped Index	1998-06-30	2024-12-18	5/20/50
Morningstar North America Healthcare Providers & Services 20% Capped Index	1998-06-30	2024-12-18	20% Cap
Morningstar North America Industrial Products Capped Index	1998-06-30	2024-12-18	5/20/50
Morningstar North America Interactive Media 20% Capped Index	1999-01-01	2025-02-03	20% Cap
Morningstar North America Apparel & Accessories Manufacturing 20% Capped Index	1998-06-30	2024-12-17	20% Cap
Morningstar North America Real Estate Group Index	1998-06-30	2025-02-03	No capping applied
Morningstar North America Cyclical Retail Capped Index	1998-06-30	2024-12-18	5/20/50
Morningstar North America Defensive Retail 20% Capped Index	1998-06-30	2024-12-18	20% Cap
Morningstar North America Semiconductors Group Capped Index	1998-06-30	2024-12-18	5/20/50
Morningstar North America Software Capped Index	1998-06-30	2024-12-17	5/20/50
Morningstar North America Steel Group 20% Capped Index	2022-06-17	2025-02-03	20% Cap
Morningstar North America Utilities - Independent Power Producers Group 20% Capped Index	2008-06-20	2025-02-03	20% Cap
Morningstar North America Vehicles & Parts 20% Capped Index	1998-06-30	2024-12-17	20% Cap
Morningstar Developed Markets Europe Chemicals Group Index	1998-06-30	2024-12-16	No capping applied
Morningstar Developed Markets Europe Construction Index	1998-06-30	2024-12-16	No capping applied
Morningstar Developed Markets Europe Diversified Media Index	1998-06-30	2024-12-18	No capping applied
Morningstar Developed Markets Europe Drug Manufacturers Index	1998-06-30	2024-12-16	No capping applied
Morningstar Developed Markets Europe Hardware Index	1998-06-30	2024-12-16	No capping applied
Morningstar Developed Markets Europe Industrial Products Index	1998-06-30	2024-12-18	No capping applied
Morningstar Developed Markets Europe Insurance Index	1998-06-30	2024-12-18	No capping applied
Morningstar Developed Markets Europe Medical Devices & Instruments Index	1998-06-30	2024-12-18	No capping applied
Morningstar Developed Markets Europe Metals & Mining Index	1998-06-30	2024-12-18	No capping applied
Morningstar Developed Markets Europe Oil & Gas Index	1998-06-30	2024-12-18	No capping applied
Morningstar Developed Markets Europe Real Estate Group Index	1998-06-30	2024-12-18	No capping applied
Morningstar Developed Markets Europe REITs Index	1998-06-30	2024-12-18	No capping applied
Morningstar Developed Markets Europe Banks Index	1998-06-30	2024-12-16	No capping applied
Morningstar Developed Markets Europe Business Services Index	1998-06-30	2024-12-16	No capping applied
Morningstar Developed Markets Europe Defensive Retail Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Europe Telecommunication Services Group Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Europe Travel & Leisure Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Europe Utilities - Regulated Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Europe Transportation Index	1998-06-30	2024-12-19	No capping applied

Morningstar Developed Markets Europe Vehicles & Parts Index	1998-06-30	2024-12-19	No capping applied
Morningstar Developed Markets Europe Capital Markets Group 20% Capped Index	2001-06-15	2025-02-03	20% Cap
Morningstar Developed Markets Europe Consumer Packaged Goods Capped Index	1998-06-30	2024-12-16	5/20/50
Morningstar Developed Markets Europe Forest Products 20% Capped Index	1998-06-30	2024-12-16	20% Cap
Morningstar Developed Markets Europe Healthcare Providers & Services 20% Capped Index	2014-12-19	2025-02-03	20% Cap
Morningstar Developed Markets Europe Interactive Media 20% Capped Index	2016-12-16	2025-02-03	20% Cap
Morningstar Developed Markets Europe Cyclical Retail 20% Capped	1998-06-30	2024-12-18	20% Cap
Morningstar Developed Markets Europe Semiconductors Group 20% Capped Index	2005-06-17	2025-02-03	20% Cap
Morningstar Developed Markets Europe Software 20% Capped Index	1998-06-30	2024-12-19	20% Cap
Morningstar Developed Markets Europe Steel Group 20% Capped Index	1999-12-31	2025-02-03	20% Cap
Morningstar Developed Markets Europe Utilities - Independent Power Producers Group 20% Capped Index	2017-12-15	2025-02-03	20% Cap
Morningstar Developed Markets Asia Pacific Business Services Capped Index	1998-06-30	2025-03-05	5/20/50
Morningstar Developed Markets Asia Pacific Insurance 20% Capped Index	1998-06-30	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Apparel & Accessories Manufacturing 20% Capped Index	1998-06-30	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Semiconductors Group 20% Capped Index	1998-06-30	2025-03-05	20% Cap
Morningstar Developed Markets Asia Pacific Steel Group 20% Capped Index	1998-06-30	2025-03-05	20% Cap
Morningstar Developed Markets Asia Pacific Telecommunication Services Group 20% Capped Index	1998-06-30	2025-03-05	20% Cap
Morningstar Developed Markets Asia Pacific Vehicles & Parts Capped Index	1998-06-30	2025-03-03	5/20/50
Morningstar Developed Markets Asia Pacific Metals & Mining Capped Index	2003-12-19	2025-03-03	5/20/50
Morningstar Developed Markets Asia Pacific Capital Markets Group Index	2005-06-17	2025-03-05	No capping applied
Morningstar Developed Markets Asia Pacific Drug Manufacturers	2005-12-16	2025-03-05	No capping applied
Morningstar Developed Markets Asia Pacific Healthcare Providers & Services Index	2012-12-21	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Medical Devices & Instruments Index	2001-06-15	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific REITs Index	2002-12-20	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Defensive Retail Index	2001-06-15	2025-03-05	No capping applied
Morningstar Developed Markets Asia Pacific Utilities - Independent Power Producers Group Index	2017-12-15	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Oil & Gas Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Travel & Leisure Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Transportation Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Cyclical Retail Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Software Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Utilities - Regulated Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Real Estate Group Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Diversified Media Index	1998-06-30	2025-03-04	No capping applied



Morningstar Developed Markets Asia Pacific Consumer Packaged Goods Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Banks Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Industrial Products Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Hardware Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Chemicals Group Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Construction Index	1998-06-30	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific Interactive Media 20% Capped Index	2003-12-19	2025-04-04	20% Cap

## Appendix 6: Morningstar Industry Indexes

Index	Performance Start Date	Inception Date	Capping Methodology
Morningstar Global Advertising Agencies Index	1998-06-30	2018-10-12	No capping applied
Morningstar Global Aerospace and Defense Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Agricultural Inputs Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Airlines Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Airports and Air Services Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Aluminum Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Apparel Manufacturing Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Apparel Stores Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Asset Management Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Auto and Truck Dealerships Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Auto Manufacturers Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Auto Parts Index	1998-06-30	2018-10-16	No capping applied
Morningstar Global Banks - Global Index	1998-06-30	2018-10-17	No capping applied
Morningstar Global Banks-Regional Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Beverages - Brewers Index	1998-06-30	2018-10-17	No capping applied
Morningstar Global Beverages - Soft Drinks Index	1998-06-30	2018-10-17	No capping applied
Morningstar Global Beverages - Wineries and Distilleries Index	1998-06-30	2018-10-17	No capping applied
Morningstar Global Biotechnology Index	1998-06-30	2018-10-17	No capping applied
Morningstar Global Broadcasting Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Building Materials Index	1998-06-30	2018-10-22	No capping applied
Morningstar Global Building Products & Equipment Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Business Equipment Index	1998-06-30	2018-10-22	No capping applied
Morningstar Global Business Services Index	1998-06-30	2018-10-22	No capping applied
Morningstar Global Capital Markets Index	1998-06-30	2018-10-22	No capping applied
Morningstar Global Chemicals Index	1998-06-30	2018-10-22	No capping applied
Morningstar Global Communication Equipment Index	1998-06-30	2018-10-22	No capping applied
Morningstar Global Computer Systems Index	1998-06-30	2018-10-22	No capping applied
Morningstar Global Confectioners Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Conglomerates Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Consulting Services Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Consumer Electronics Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Copper Index	1998-06-30	2018-10-23	No capping applied



Morningstar Global Credit Services Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Department Stores Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Diagnostics and Research Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Discount Stores Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Diversified Industrials Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Drug Manufacturers - Major Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Drug Manufacturers - Specialty and Generic Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Education and Training Services Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Electrical Equipment & Parts Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Electronic Components Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Electronic Gaming and Multimedia Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Electronics Distribution Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Entertainment Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Engineering and Construction Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Farm and Construction Equipment Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Farm Products Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Financial Conglomerates Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Financial Exchanges Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Food Distribution Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Footwear and Accessories Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Gambling Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Gold Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Grocery Stores Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Health Care Plans Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Health Information Services Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Home Furnishings and Fixtures Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Home Improvement Stores Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Household and Personal Products Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Industrial Distribution Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Industrial Metals and Minerals Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Information Technology Services Index	1998-06-30	2018-10-24	No capping applied
Morningstar Global Infrastructure Operations Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Insurance - Diversified Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Insurance - Life Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Insurance - Property and Casualty Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Insurance - Reinsurance Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Insurance - Specialty Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Insurance Brokers Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Integrated Shipping and Logistics Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Internet Content and Information Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Internet Retail Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Leisure Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Lodging Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Lumber and Wood Production Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Luxury Goods Index	1998-06-30	2018-10-25	No capping applied

Morningstar Global Medical Care Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Medical Devices Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Medical Distribution Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Medical Instruments and Supplies Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Metal Fabrication Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Oil and Gas Drilling Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Oil and Gas E&P Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Oil and Gas Equipment and Services Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Oil and Gas Integrated Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Oil and Gas Midstream Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Oil and Gas Refining and Marketing Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Other Precious Metals & Mining Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Packaged Foods Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Packaging and Containers Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Paper and Paper Products Index	1998-06-30	2018-10-25	No capping applied
Morningstar Global Personal Services Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Pharmaceutical Retailers Index	1998-06-30	2018-10-23	No capping applied
Morningstar Global Pollution and Treatment Controls Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Publishing Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Railroads Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Real Estate-Diversified Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Real Estate - General Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Real Estate - Services Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Recreational Vehicles Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global REIT - Diversified Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global REIT - Healthcare Facilities Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global REIT - Hotel and Motel Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global REIT - Industrial Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global REIT-Mortgage Index	2012-12-21	2020-07-16	No capping applied
Morningstar Global REIT - Office Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global REIT - Residential Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global REIT - Retail Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global REIT-Specialty Index	2012-12-21	2020-07-16	No capping applied
Morningstar Global Rental and Leasing Services Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Residential Construction Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Resorts and Casinos Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Restaurants Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Scientific and Technical Instruments Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Security and Protection Services Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Semiconductor Equipment and Materials Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Semiconductors Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Shipping and Ports Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Software - Application Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Software - Infrastructure Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Specialty Chemicals Index	1998-06-30	2018-10-26	No capping applied

Morningstar Global Specialty Finance Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Specialty Retail Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Staffing and Outsourcing Services Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Steel Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Telecom Services Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Textile Manufacturing Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Thermal Coal Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Tobacco Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Tools and Accessories Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Travel Services Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Trucking Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Utilities - Diversified Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Utilities - Independent Power Producers Index	1998-06-30	2018-10-29	No capping applied
Morningstar Global Utilities-Renewable Index	1998-06-30	2020-07-16	No capping applied
Morningstar Global Utilities - Regulated Electric Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Utilities - Regulated Gas Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Utilities - Regulated Water Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Waste Management Index	1998-06-30	2018-10-26	No capping applied
Morningstar Global Solar Index	2008-06-20	2024-04-16	No capping applied
Morningstar Global Non-Alcoholic Beverages Index	1998-06-30	2025-01-27	No capping applied
Morningstar US Aerospace and Defense Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Asset Management Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Banks Index	1998-06-30	2023-04-11	No capping applied
Morningstar US Banks-Regional Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Biotechnology Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Diagnostics and Research Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Information Technology Services Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Medical Devices Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Medical Instruments and Supplies Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Oil and Gas Exploration and Production Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Packaged Foods Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Semiconductors Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Software Application Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Software Infrastructure Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Specialty Chemicals Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Specialty Industrial Machinery Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Specialty Retail Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Utilities - Regulated Electric Index	1998-06-30	2022-10-27	No capping applied
Morningstar US Defensive Retail Index	1998-06-30	2023-06-30	No capping applied
Morningstar US Hardware Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Business Services Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Consumer Packaged Goods Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Insurance Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Oil & Gas Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Software Capped Index	1998-06-30	2023-06-30	5/20/50

Morningstar US Metal & Mining Index	1998-06-30	2023-06-30	No capping applied
Morningstar US Cyclical Retail Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Drug Manufacturers Index	1998-06-30	2023-06-30	No capping applied
Morningstar US Healthcare Providers & Services Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Transportation Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Travel & Leisure Capped Index	1998-06-30	2023-06-30	5/20/50
Morningstar US Construction Index	1998-06-30	2023-06-30	No capping applied
Morningstar US Vehicles & Parts Index	1998-06-30	2023-06-30	No capping applied
Morningstar US Defensive Retail Index	1998-06-30	2023-06-30	No capping applied
Morningstar North America Aerospace & Defense Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Auto Parts Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Banks - Regional Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Building Products & Equipment Index	2019-12-20	2024-12-16	No capping applied
Morningstar North America Diagnostics & Research Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Engineering & Construction Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Insurance - Life Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Insurance - Property & Casualty Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Medical Devices Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Oil and Gas E&P Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Packaged Foods Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Packaging & Containers Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America REIT - Retail Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America REIT - Specialty Index	2019-12-20	2024-12-16	No capping applied
Morningstar North America Residential Construction Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Software - Application Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Specialty Chemicals Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America Utilities - Regulated Electric Index	1998-06-30	2024-12-17	No capping applied
Morningstar North America Utilities - Regulated Gas Index	1998-06-30	2024-12-16	No capping applied
Morningstar North America REIT - Residential Index	2002-06-21	2025-01-16	No capping applied
Morningstar North America REIT - Industrial Index	2013-06-21	2025-01-16	No capping applied
Morningstar North America Scientific & Technical Instruments Index	2002-06-21	2025-01-16	No capping applied
Morningstar North America Specialty Industrial Machinery Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Specialty Retail Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Semiconductors Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Rental & Leasing Services Index	2020-12-18	2025-01-16	No capping applied
Morningstar North America Software - Infrastructure Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Restaurants Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Oil & Gas Midstream Index	2009-12-18	2025-01-16	No capping applied
Morningstar North America Semiconductor Equipment & Materials Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Oil & Gas Equipment & Services Index	2022-06-17	2025-01-16	No capping applied
Morningstar North America Gold Index	2002-12-20	2025-01-16	No capping applied
Morningstar North America Medical Care Facilities Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Credit Services Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Apparel Retail Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Auto & Truck Dealerships Index	2020-12-18	2025-01-16	No capping applied

Morningstar North America Entertainment Index	2019-12-20	2025-01-16	No capping applied
Morningstar North America Financial Data & Stock Exchanges Index	2022-12-16	2025-01-16	No capping applied
Morningstar North America Internet Content & Information Index	2011-06-17	2025-01-16	No capping applied
Morningstar North America Electronic Components Index	2014-12-19	2025-01-16	No capping applied
Morningstar North America Information Technology Services Index	2006-12-15	2025-01-16	No capping applied
Morningstar North America Asset Management Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Drug Manufacturers - Specialty & Generic Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Biotechnology Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Telecom Services Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Household & Personal Products Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Industrial Distribution Index	2009-06-19	2025-01-16	No capping applied
Morningstar North America Banks - Diversified Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Capital Markets Index	1998-06-30	2025-01-16	No capping applied
Morningstar North America Medical Instruments & Supplies 20% Capped Index	1998-06-30	2024-12-16	20% Cap
Morningstar Developed Markets Europe Capital Markets Index	2019-12-20	2025-01-16	No capping applied
Morningstar Developed Markets Europe Industrial Distribution Index	2016-12-16	2025-01-16	No capping applied
Morningstar Developed Markets Europe Drug Manufacturers - Specialty & Generic Index	2016-12-16	2025-01-16	No capping applied
Morningstar Developed Markets Europe Software - Application Index	2015-12-18	2025-01-16	No capping applied
Morningstar Developed Markets Europe Medical Instruments & Supplies Index	2018-06-15	2025-01-16	No capping applied
Morningstar Developed Markets Europe Farm & Heavy Construction Machinery Index	2019-12-20	2025-01-16	No capping applied
Morningstar Developed Markets Europe Utilities – Renewable Index	2019-12-20	2025-01-16	No capping applied
Morningstar Developed Markets Europe Luxury Goods Index	2019-12-20	2025-01-16	No capping applied
Morningstar Developed Markets Europe Packaging & Containers Index	2021-12-17	2025-01-16	No capping applied
Morningstar Developed Markets Europe Real Estate Services Index	2005-06-17	2025-01-16	No capping applied
Morningstar Developed Markets Europe Auto Parts Index	2015-06-19	2025-01-16	No capping applied
Morningstar Developed Markets Europe Auto Manufacturers Index	2016-12-16	2025-01-16	No capping applied
Morningstar Developed Markets Europe Asset Management Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Europe Banks - Regional Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Europe Building Products & Equipment Index	2019-12-20	2024-12-19	No capping applied
Morningstar Developed Markets Europe Specialty Chemicals Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Europe Utilities - Diversified Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Europe Telecom Services Index	1998-06-30	2024-12-17	No capping applied
Morningstar Developed Markets Europe Aerospace & Defense Index	1998-06-30	2025-01-30	No capping applied
Morningstar Developed Markets Europe Banks – Diversified Index	1998-06-30	2025-01-30	No capping applied
Morningstar Developed Markets Europe Biotechnology 20% Capped	2000-06-16	2025-02-03	20% Cap
Morningstar Developed Markets Europe Drug Manufacturers - General Index	1998-06-30	2025-01-27	No capping applied
Morningstar Developed Markets Europe Engineering & Construction Index	1998-06-30	2025-01-27	No capping applied
Morningstar Developed Markets Europe Household & Personal Products Index	1998-06-30	2025-01-27	No capping applied

Morningstar Developed Markets Europe Information Technology Services Index	1998-06-30	2025-01-27	No capping applied
Morningstar Developed Markets Europe Insurance - Diversified Index	1998-06-30	2025-01-27	No capping applied
Morningstar Developed Markets Europe Marine Shipping Index	1998-06-30	2025-01-27	No capping applied
Morningstar Developed Markets Europe Medical Devices Index	1998-06-30	2025-01-27	No capping applied
Morningstar Developed Markets Europe Packaged Foods Index	1998-06-30	2025-01-27	No capping applied
Morningstar Developed Markets Europe Specialty Business Services 20% Capped Index	1998-06-30	2024-12-17	20% Cap
Morningstar Developed Markets Europe Specialty Industrial Machinery Capped Index	1998-06-30	2024-12-17	5/20/50
Morningstar Developed Markets Europe Steel 20% Capped Index	1998-06-30	2024-12-17	20% Cap
Morningstar Developed Markets Asia Pacific Auto Parts Capped Index	1998-06-30	2025-03-03	5/20/50
Morningstar Developed Markets Asia Pacific Building Products & Equipment 20% Capped Index	2019-12-20	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Capital Markets 20% Capped Index	1998-06-30	2025-03-04	20% Cap
Morningstar Developed Markets Asia Pacific Chemicals 20% Capped Index	1998-06-30	2025-03-10	20% Cap
Morningstar Developed Markets Asia Pacific Credit Services 20% Capped Index	1998-06-30	2025-03-11	20% Cap
Morningstar Developed Markets Asia Pacific Department Stores 20% Capped Index	1998-06-30	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Drug Manufacturer - Specialty & Generic 20% Capped Index	1998-06-30	2025-03-04	20% Cap
Morningstar Developed Markets Asia Pacific Electrical Equipment & Parts 20% Capped Index	2019-12-20	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Grocery Stores 20% Capped Index	1998-06-30	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Information Technology Services 20% Capped Index	1998-06-30	2025-03-10	20% Cap
Morningstar Developed Markets Asia Pacific Specialty Business Services 20% Capped Index	1998-06-30	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Specialty Retail 20% Capped Index	1998-06-30	2025-03-11	20% Cap
Morningstar Developed Markets Asia Pacific Steel 20% Capped Index	1998-06-30	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Telecom Services 20% Capped Index	1998-06-30	2025-03-11	20% Cap
Morningstar Developed Markets Asia Pacific Gold 20% Capped Index	2019-12-20	2025-03-10	20% Cap
Morningstar Developed Markets Asia Pacific Household & Personal Products 20% Capped Index	1999-06-30	2025-03-10	20% Cap
Morningstar Developed Markets Asia Pacific Integrated Freight and Logistics 20% Capped Index	1999-06-30	2025-03-04	20% Cap
Morningstar Developed Markets Asia Pacific Leisure 20% Capped Index	1999-06-30	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific Medical Instruments & Supplies 20% Capped Index	2018-06-15	2025-03-10	20% Cap
Morningstar Developed Markets Asia Pacific REIT - Retail 20% Capped Index	2007-06-15	2025-03-03	20% Cap

Morningstar Developed Markets Asia Pacific Semiconductor Equipment & Materials 20% Capped Index	2022-06-17	2025-03-11	20% Cap
Morningstar Developed Markets Asia Pacific Other Industrial Metals & Mining 20% Capped Index	2019-12-20	2025-03-03	20% Cap
Morningstar Developed Markets Asia Pacific REIT - Diversified Index	2005-12-16	2025-03-04	No capping applied
Morningstar Developed Markets Asia Pacific REIT - Industrial Index	2016-12-16	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific REIT - Office Index	2007-06-15	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Restaurants Index	1999-01-01	2025-03-10	No capping applied
Morningstar Developed Markets Asia Pacific Software - Application Index	2014-12-19	2025-03-11	No capping applied
Morningstar Developed Markets Asia Pacific Other Industrial Metals & Mining 20% Capped Index	1998-06-30	2025-03-04	20% Cap
Morningstar Developed Markets Asia Pacific Packaged Foods Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Railroads Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Engineering & Construction Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Real Estate - Diversified Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Real Estate - Development Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Real Estate Services Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Electronic Components Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Conglomerates Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Banks - Regional Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Utilities - Renewable Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Specialty Industrial Machinery Index	1998-06-30	2025-03-03	No capping applied
Morningstar Developed Markets Asia Pacific Specialty Chemicals Index	1998-06-30	2025-03-03	No capping applied

\*Morningstar Global Consumer Sectors Index is comprised of 50% Morningstar Global Consumer Defensive Index and 50% Morningstar Global Consumer Cyclical Index

\*\*Morningstar Energy Composite Index is comprised of developed markets companies in the developed markets energy, industries, and utilities sectors at a respective 60%, 25%, and 15% allocation.



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