

# Construction Rules for the Morningstar Transatlantic Aerospace Defense & Eurozone Software Select Index

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## Overview

The Morningstar Transatlantic Aerospace Defense & Eurozone Software Select Index is designed to track companies in the Eurozone markets that are in the Aerospace and Defense Sector as well as those in the Software Application and Infrastructure industries, while also tracking US based stocks involved in the Aerospace and Defense sector. There is a 60/40 split between the two regions respectively and a 10% cap on individual security weights.

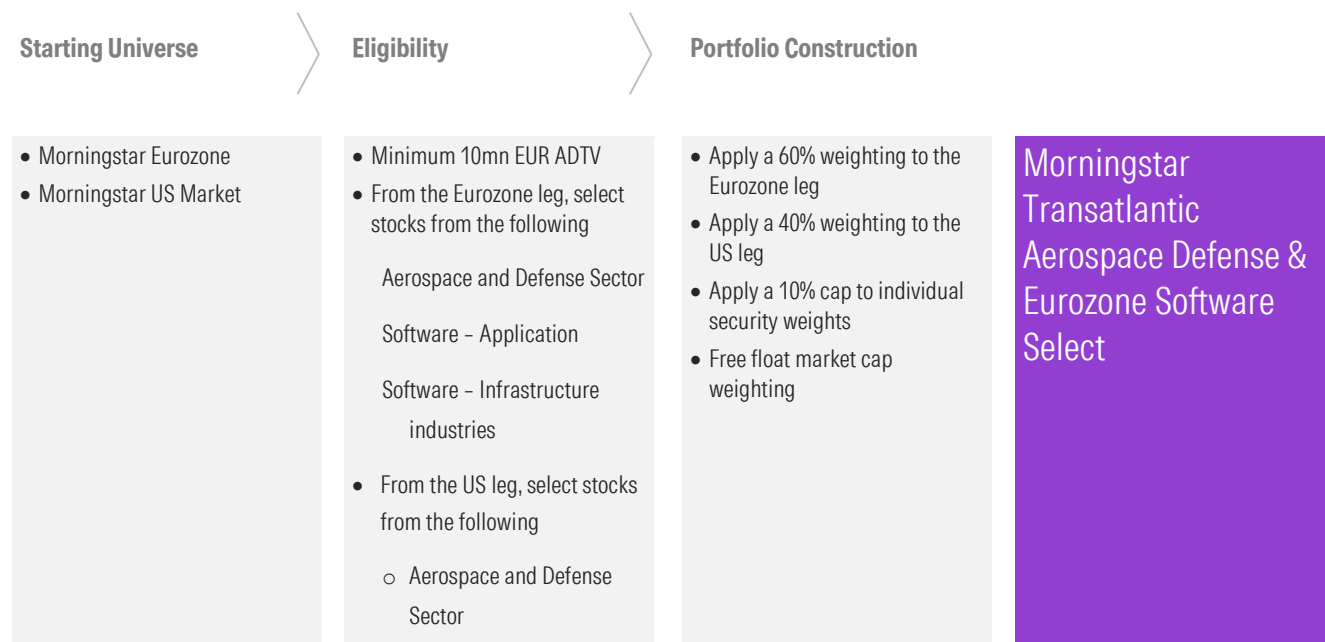
This index does not incorporate Environmental, Social or Governance criteria.

## Index Inception and Performance Start Date

The index inception date is May 26, 2023, and the performance start date, when the first back-tested index value was calculated, is the 20<sup>th</sup> of June 2008.

## Index Construction

### Methodology Summary



### Assigning Stocks to the Index

#### Starting Universe

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

#### Security Selection

To be eligible for inclusion in the Index, all constituents must meet the following criteria:

- Minimum of 10mn EUR ADTV
- For the Eurozone leg, be from the following sectors/industries
  - Aerospace and Defense
  - Software – Application
  - Software – Infrastructure
- For the US leg, be from the following sector
  - Aerospace and Defense

#### 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

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

A 10% cap is applied to individual security weights. In the event of a breach of this cap, securities above the cap are downweighted to bring the portfolio into compliance. The excess weight from these capped stocks is redistributed across the portfolio in a manner designed to preserve the relative exposure of the pre-capped weights for as many securities as possible. This may result in some securities that initial breached the cap receiving a lower weight than the cap.

## **Index Maintenance and Calculation**

### **Scheduled Maintenance**

The index is reconstituted, where the membership is reset, semi-annually. Adjustments are made on the Monday following the third Friday of June and December. 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. The market data used for rebalancing is as of the last trading day of February, May, August, and November.

Index files are published according to the Global calendar schedule. For more information, please refer to the [Morningstar Indexes Holiday Calendar](#).

### **Corporate Actions**

The treatment of corporate actions will be as per the float market capitalization weighted indexes. For more details, please refer to 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 Decommissioning Policy](#).

## 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 be corrected upon detection. In addition, an incorrect divisor of an index, if discovered 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 methodology as described within this document, 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 Morningstar Index Methodology Committee, and in all instances, the application of a nonstandard process will be reported to the Morningstar Index Oversight Committee.

## Appendixes

### Appendix 1: Modifications to the Rulebook

Section	Description of Change	Update Date
Appendix 3	The base date for the 50 point decrement has been updated.	January 2023
Corporate Action	Updated link to Morningstar Standard Methodology	July 2024
Data Correction & Precision	Computational and Reporting Precision section removed	September 2024

### Appendix 2: Morningstar Transatlantic Aerospace Defense & Eurozone Software Select Decrement Indexes

Index Name	Underlying Index	Base value	Base Date	Performance Inception Date	Inception Date
Morningstar Transatlantic Aerospace Defense & Eurozone Software Select Decrement 50 Point	Morningstar Transatlantic Aerospace Defense & Eurozone Software Select	1000	Jan. 20, 2020	Jun. 20, 2008	May 26, 2023
Morningstar Transatlantic Aerospace Defense & Eurozone Software Select Decrement 5%	Morningstar Transatlantic Aerospace Defense & Eurozone Software Select	1000	May 1, 2023	Jun. 20, 2008	May, 26, 2023

### Appendix 3: Decrement Levels

The index levels are adjusted by deducting a predetermined value of index points from the gross return (GR) or fixed percentage point from the net return (NR) levels of the base index. These constant markdowns are applied to the base Index daily.

Return Variant of the Base Index	Base Currency	Decrement Type	Decrement Frequency	Decrement Application	Decrement Value	Day Count Convention
Net Total Return Gross Total Return	EUR	Fixed Percentage Decrement or Fixed Point Decrement based on the index version.	Daily	Geometric application for both decrement types.	5% decrement based on the Net Total Return 50-point decrement based on Gross Total Return	*ACT/365

\*ACT is the number of calendar days between two calculation days.

### Formula for Fixed Point Decrement Geometric Decrement Calculation

$$IV_t = (IV_{t-1} \times (U_t \div U_{t-1})) - (D \times (Act(t-1, t) \div DayCount))$$

Where:



$IV_t$  = The value of the Fixed Point Decrement Index for calculation day  $t$

$IV_{t-1}$  = The value of the Fixed Point Decrement Index for day  $t-1$

$U_t$  = The value of the base Index for calculation day  $t$

$U_{t-1}$  = The value of the base Index for calculation day  $t-1$

$Act(t-1,t)$  = Number of calendar days between calculation day  $t-1$  and calculation day  $t$

$D$  = The Decrement value expressed in Index points

DayCount = Set to 365

## Formula for Fixed Percentage Decrement

### Geometric Decrement Calculation

$$IV_t = IV_{t-1} \times ((U_t \div U_{t-1}) - (c \times (Act(t-1,t) \div DayCount)))$$

Where:

$IV_t$  = The value of the Fixed Percentage Decrement Index for calculation day  $t$

$IV_{t-1}$  = The value of the Fixed Percentage Decrement Index for day  $t-1$

$U_t$  = The value of the base Index for calculation day  $t$

$U_{t-1}$  = The value of the base Index for calculation day  $t-1$

$Act(t-1,t)$  = Number of calendar days between calculation day  $t-1$  and calculation day  $t$

$c$  = The Decrement value expressed in Fixed Percentage

DayCount = Set to 365

## About Morningstar Indexes

Morningstar Indexes was built to keep up with the evolving needs of investors—and to be a leading-edge advocate for them. Our rich heritage as a transparent, investor-focused leader in data and research uniquely equips us to support individuals, institutions, wealth managers, and advisors in navigating investment opportunities across major asset classes, styles, and strategies. From traditional benchmarks and unique IP-driven indexes to index design, calculation, and distribution services, our solutions span an investment landscape as diverse as investors themselves.

## Morningstar Index Methodology Committee

The Morningstar Index Methodology Committee oversees all new index development, index methodology changes, and cessation of indexes for any indexes where Morningstar owns the intellectual property. This committee is also charged with ensuring that indexes align with Morningstar Research principles and values. The group comprises members of the index team with index research, product development, product management, client service, index implementation, and operation expertise who provide the first layer of governance over index design and methodology.

## Morningstar Indexes Operations Committee

The Morningstar Index Operations Committee governs the processes, systems, and exception handling of the day-to-day management of all live indexes, including index rebalancing and reconstitution, restatements, market classification, and contingency management. The committee oversees the annual review of index methodology (as required by U.K. and EU benchmark regulations, or BMR), ensuring that methodologies remain fit for purpose and continue to achieve their stated investment objectives. The group comprises members of the index team with data, operations, corporate actions, product development, index launch, client service, and index management experience who provide the first layer of governance over index operations.

## Morningstar Index Oversight Committee

The Morningstar Index Oversight Committee is responsible for the index oversight function as per the requirements of the U.K. and European BMR, providing independent oversight of all aspects of the governance of benchmark administration as required by the relevant BMR. Its remit extends to all calculation and administration-related business activities of Morningstar Indexes, including administration of Morningstar-owned benchmarks as well as client-owned benchmarks and index calculation. The oversight function is part of the organizational structure of Morningstar but is separate and independent from the index business, index management, and the other index committees.

[www.indexes.morningstar.com](http://www.indexes.morningstar.com)

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