

STOXX® Distribution Points Calculation Guide

[STOXX.com](https://www.stoxx.com)



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1. INTRODUCTION TO THE STOXX INDEX GUIDES

The STOXX index guides are separated into the following sub-sets:

- » The **STOXX Calculation guide** provides a general overview of the calculation of the STOXX equity indices, the dissemination, the index formulas and adjustments due to corporate actions
- » The **STOXX Index Methodology guide** contains the equity index specific rules regarding the construction and derivation of the portfolio based indices, the individual component selection process and weighting schemes
- » The **STOXX World Equity Index Methodology guide** contains the index specific rules regarding the construction and derivation of the STOXX World portfolio based indices, the individual component selection process and weighting schemes
- » The **STOXX Strategy Index guide** contains the formulas and description of all strategy indices
- » The **STOXX DVP Calculation guide** describes the dividend points products
- » The **STOXX Distribution Points Calculation guide** describes the distribution points products
- » The **iSTOXX Fund Indices Methodology guide** contains the index specific rules regarding the construction and derivation of the iSTOXX Fund indices, the individual component selection process and weighting schemes
- » The **iSTOXX Strategy Indices Methodology guide** contains the index specific rules regarding the construction and derivation of the iSTOXX Strategy indices, the individual component selection process and weighting schemes
- » The **iSTOXX Decrement Indices Methodology guide** contains the index specific rules regarding the construction and derivation of the iSTOXX Decrement indices, the individual component selection process and weighting schemes
- » The **iSTOXX Equity Indices Methodology guide** contains the index specific rules regarding the construction and derivation of the iSTOXX Equity indices, the individual component selection process and weighting schemes
- » The **STOXX Reference Rates guide** contains the rules and methodologies of the reference rate indices
- » The **Guide to Reference Calculations used by STOXX Ltd.** provides a detailed view of definitions and formulas of the calculations as utilized in the reports, factsheets, indices and presentations produced by STOXX
- » The **Guide to Industry Classifications Used By STOXX** contains general information pertaining to industry classifications used in STOXX indices, together with any references and links to third-parties that create the data.
- » The **STOXX Eligible Market Segments guide** contains the list of stock exchanges and market segments.

All rule books are available for download on <http://www.stoxx.com/indices/rulebooks.html>

2. CHANGES TO THE GUIDE BOOK

2.1. HISTORY OF CHANGES TO THE STOXX EQUITY METHODOLOGY GUIDE

- » September 2016: Introduction of the EURO STOXX 50® Distribution Points index
- » December 2020: Addition of adjustment of dividend pay-off on ex date in section 3.1.1. and introduction of Stock dividend (from redeemable shares) in section 4.
- » January 2021: Addition of Price Weighted Index in Distribution Point calculation in section 4.1 and Price Weighted Index adjustment for Right Issue in section in 4.1
- » July 2022: Section 1 updated with new guides.
- » January 2023: Added reference of STOXX Eligible Market Segments guide and removed reference of iSTOXX Bond Index guide.
- » March 2023: Removed reference of STOXX Bond Index guide.
- » October 2023: Change in the STOXX logo.
- » April 2024: Addition of STOXX Europe 600 Distribution Points Index.
- » January 2025: Change in STOXX logo, alignment of fonts to STOXX Brandbook.
- » December 2025: Update in the section of 'Introduction to the STOXX Index Guides'
- » April 2026: Removed reference of STOXX Currency Rates Indices Methodology guide
- » September 2026: Addition of reference to the Guide to Reference Calculations used by STOXX Ltd.

3. STOXX DISTRIBUTION POINTS

3.1. STOXX DISTRIBUTION POINTS INDICES

3.1.1. OVERVIEW

The STOXX® Distribution Points indices aim to reflect the returns from all distributions to shareholders of the components of the corresponding STOXX parent index. Distributions include, among others, regular cash dividends, taxes from special cash dividends and stock dividends, taxes from spin-offs. Taxes are applied as appropriate for each individual event. If a dividend has gone ex- and is included in the Distribution Point Indices but subsequently amended or not paid post the ex-date dissemination day, there will not be an adjustment to the Distribution Point Indices

3.1.2. HISTORICAL DATA

The historical index data is available on a daily basis back to the base date December 18, 2015, and December 18, 2023 for EURO STOXX 50 Distribution Points Index and STOXX Europe 600 Distribution Points Index respectively.

3.1.3. IDENTIFIERS

Name	ISIN	Symbol
EURO STOXX 50® Distribution Points (EUR)	CH0334725220	SX5EDD
<further indices as listed in the STOXX vendor code sheet>		

4. CALCULATION

4.1. CALCULATION FORMULA

The Distribution Points indices are calculated as the sum of all distributions, measured in distribution points, of the constituents of the corresponding STOXX parent index, cumulated over time:

$$\text{Distribution Index}_t = \text{Distribution Index}_{t-1} + \text{DP}_t$$

$$\text{DP}_t = \sum_{i=1}^n \text{DP}_{i,t}$$

As opposed to the STOXX® DVP indices, the STOXX® Distribution Points indices are not reset to zero on a periodic basis.

Tax rates applied to Corporate Actions:

The tax rates are assumed to be constant and standardized by country, unless differently communicated by the company for the relevant the corporate action. For non-taxable events, the tax rate is set to zero in the subsequent formulas.

Treatment of Corporate Actions:

By defining $Q_{i,t} = \frac{s_{i,t} \cdot ff_{i,t} \cdot cf_{i,t} \cdot X_{i,t-1}}{D_t}$

Where:

$s_{i,t}$ = total number of shares of company i effective on day t

$ff_{i,t}$ = free-float factor of company i effective on day t

$cf_{i,t}$ = capping factor of company i effective on day t

$X_{i,t}$ = exchange rate relevant for the corporate action on day t-1

D_t = divisor of the parent STOXX Price (EUR) index effective on day t

and:

B = number of shares obtained/returned for A shares held

p_B = price at which shares B are obtained/returned

$p_{i,t-1}$ = close price on day t-1 of company i ($p_{A,t-1}$ when shares A and B are involved)

$\text{tax}_{i,t}$ = withholding tax applicable to the corporate action of company i on day t

Price Weighted Index

By defining $Q_{i,t} = \frac{wf_{i,t} \cdot cf_{i,t} \cdot X_{i,t-1}}{D_t}$

Where:

$wf_{i,t}$ = weightfactor of company i effective on day t

$cf_{i,t}$ = capping factor of company i effective on day t

$X_{i,t}$ = exchange rate relevant for the corporate action on day t-1

4. CALCULATION

D_t = divisor of the parent STOXX Price (EUR) index effective on day t

and:

B = number of shares obtained/returned for A shares held

p_B = price at which shares B are obtained/returned

$p_{i,t-1}$ = close price on day $t-1$ of company i ($p_{A,t-1}$ when shares A and B are involved)

$\text{tax}_{i,t}$ = withholding tax applicable to the corporate action of company i on day t

1. Cash dividend

$$DP_{i,t} = d_{i,t} \cdot Q_{i,t}$$

2. Special cash dividend

$$DP_{i,t} = d_{i,t} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

3. Stock dividend

$$DP_{i,t} = p_{i,t-1} \cdot \frac{B}{A+B} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

4. Stock dividend (from treasury shares)

a. If treated as standard cash dividend:

$$DP_{i,t} = p_{i,t-1} \cdot \frac{B}{A+B} \cdot Q_{i,t}$$

b. If treated as special cash dividend:

$$DP_{i,t} = p_{i,t-1} \cdot \frac{B}{A+B} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

5. Stock dividend of another company

$$DP_{i,t} = p_{B,t-1} \cdot \frac{B}{A} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

6. Stock dividend (from redeemable shares)

Stock dividends from redeemable shares will be adjusted as cash dividends. In such a case redeemable shares are considered as:

- a. A separated share line with a fixed price
- b. Ordinary shares that are self-tendered on the same ex-date

a.1. If treated as regular cash dividend:

4. CALCULATION

$$DP_{i,t} = d_{i,t} \cdot Q_{i,t}$$

7. Return of capital and share consolidation

$$DP_{i,t} = \text{CapitalReturn} \cdot \frac{A}{B} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

8. Repurchase of shares/self-tender

$$DP_{i,t} = (p_B - p_{i,t-1}) \cdot \frac{B}{A-B} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

9. Spin-off

Spin-offs are applied on the effective date using an estimated price for the spun-off company and no further adjustment is performed in the index.

If the spun-off company starts being traded on the effective date, the index will be restated at day end by using the actual close price of the spun-off company.

$$DP_{i,t} = p_B \cdot \frac{B}{A} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

10. Rights issues

If the rights start being traded on the effective date, the index will be restated at day end by using the actual close price of the spun-off company.

- a. from regular shares,
 - i. if regular:

$$DP_{i,t} = (p_{i,t-1} - p_B) \cdot \frac{B}{A+B} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

For Price Weighted Index:

$$DP_{i,t} = (p_{i,t-1} - p_B) \cdot \frac{\text{Additional Weightfactor}}{\text{Total New Weightfactor of stock}} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

Where:

Additional Weightfactor = Total New Weightfactor of stock (on effective date) – Total Old Weightfactor of stock (on close of previous day)

- ii. if highly or extremely dilutive:

$$DP_{i,t} = (p_{i,t-1} - p_B) \cdot \frac{B}{A+B} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

4. CALCULATION

If the highly or extremely rights start trading being traded on the effective date, the index will be restated at day end by using the actual close price of the rights.

- b. from treasury shares,
 - i. if treated as standard cash dividend:

$$DP_{i,t} = (p_{i,t-1} - p_B) \cdot \frac{B}{A+B} \cdot Q_{i,t}$$

- ii. if treated as special cash dividend:

$$DP_{i,t} = (p_{i,t-1} - p_B) \cdot \frac{B}{A+B} \cdot \text{tax}_{i,t} \cdot Q_{i,t}$$

4.2. COMPUTATIONAL ACCURACY

Figures of the published STOXX® Distribution Points indices are rounded to two decimal places. All relevant parameters for the calculation of the STOXX indices are described in the STOXX rule books available on www.stoxx.com.

4.3. DISSEMINATION DAYS AND TIME

The STOXX® Distribution Points indices are calculated on an daily basis according to STOXX dissemination calendar. The index value is disseminated via the data feed at 00:00:10 CET.