

# STOXX® USA 900 AX LOW RISK INDEX

## Index description

STOXX single and multi-factor indices aim to harvest the risk premia of several academically validated style factors - Value, Momentum, Quality, Size and Low Risk. At the same time the rules ensure tradability and diversification as well as limit untargeted systematic exposures.

STOXX uses Axioma's risk model and optimizer to construct the factor indices. The STOXX single and multi-factor indices are based on the respective STOXX country or regional benchmark indices.

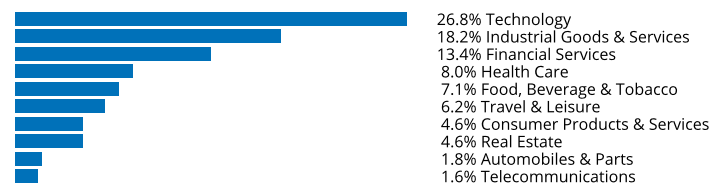
## Key facts

- » Invest in targeted factor exposures with managed liquidity and risk profiles across various regions
- » Use of Axioma's factor risk models and portfolio construction expertise to define the factors based on extensive validation from research and having a clear economic rationale
- » Factor family consists of 5 single factor indices (Value, Momentum, Quality, Low Risk, and Size) and one multi-factor index
- » Same index construction rules applied across the factor family
- » Single factor indices maximize the target factor while constraining the exposure to other factors
- » Multi-factor index employs a bottom-up approach by maximizing the exposure to an equally weighted aggregated multi-factor score
- » Ensures tradability by managing turnover and exposure to illiquid positions
- » Ensures diversification using country and industry controls

## Descriptive statistics

Index	Market cap (EUR bn.)		Components (EUR bn.)				Component weight (%)		Turnover (%)
	Full	Free-float	Mean	Median	Largest	Smallest	Largest	Smallest	Last 12 months
STOXX USA 900 Ax Low Risk Index	N/A	102.1	1.2	0.6	8.0	0.0	7.9	0.0	49.9
STOXX USA 900 Index	38,902.4	37,285.8	41.4	12.8	2,660.8	2.8	7.1	0.0	2.6

## Supersector weighting (top 10)



## Country weighting



## Risk and return figures<sup>1</sup>

Index returns	Return (%)					Annualized return (%)				
	Last month	YTD	1Y	3Y	5Y	Last month	YTD	1Y	3Y	5Y
STOXX USA 900 Ax Low Risk Index	3.8	8.9	10.8	45.3	73.9	N/A	N/A	10.8	13.3	11.8
STOXX USA 900 Index	4.5	14.2	14.8	51.1	86.9	N/A	N/A	14.9	14.9	13.5
Index volatility and risk	Annualized volatility (%)					Annualized Sharpe ratio <sup>2</sup>				
STOXX USA 900 Ax Low Risk Index	9.2	14.1	17.4	15.8	19.5	N/A	N/A	0.4	0.8	0.5
STOXX USA 900 Index	9.9	15.6	19.5	18.8	22.4	N/A	N/A	0.6	0.8	0.6
Index to benchmark	Correlation					Tracking error (%)				
STOXX USA 900 Ax Low Risk Index	0.9	1.0	1.0	1.0	1.0	3.7	4.5	4.9	6.0	7.0
Index to benchmark	Beta					Annualized information ratio				
STOXX USA 900 Ax Low Risk Index	0.9	0.9	0.9	0.8	0.8	-2.2	-2.5	-1.0	-0.4	-0.4

<sup>1</sup> For information on data calculation, please refer to STOXX calculation reference guide.

<sup>2</sup> Based on EURIBOR1M

(EUR, gross return), all data as of Jun. 30, 2023

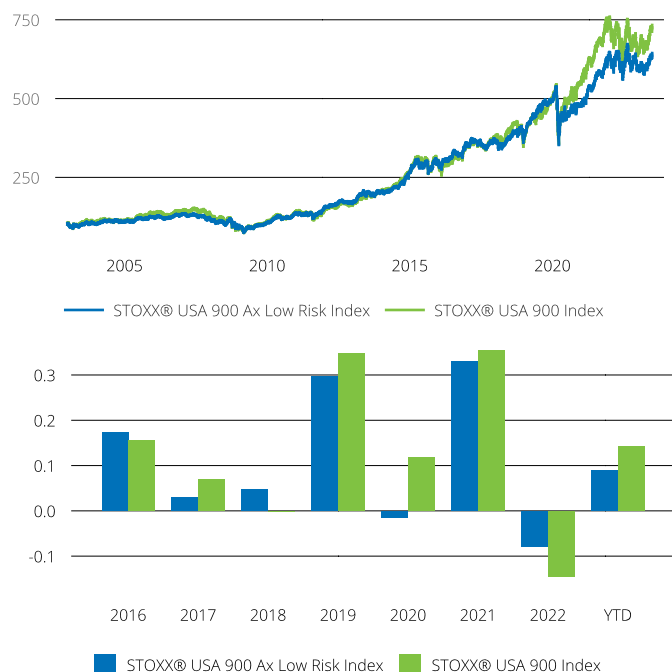
## FACTOR AND STRATEGY

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### Fundamentals (for last 12 months)

Index	Price/earnings incl. negative		Price/earnings excl. negative		Price/ book	Dividend yield (%) <sup>3</sup>	Price/ sales	Price/ cash flow
	Trailing	Projected	Trailing	Projected	Trailing	Trailing	Trailing	Trailing
STOXX USA 900 Ax Low Risk Index	28.3	20.6	28.3	20.6	0.0	2.1	3.1	4.0
STOXX USA 900 Index	30.0	20.9	22.8	20.3	0.1	1.9	2.4	15.9

### Performance and annual returns<sup>4</sup>



### Methodology

Bringing together the powerful indexing and analytics capabilities of Qontigo, the STOXX Factor Index suite delivers more clarity to the market for factor investors by relying on the institutionally tested analytics of Axioma Factor Risk Models and advanced portfolio construction techniques. The use of Axioma's risk models ensures strong exposure to the respective target factor (Value, Momentum, Quality, Low Risk, Size, Multi-Factor) while allowing for ease of control over unintended exposures. The inclusion of constraints targets benchmark tracking with industry and country controls, and ensures tradability by limiting exposure to less liquid names and turnover while controlling for effective number of names and weights.

### Versions and symbols

Index	ISIN	Symbol	Bloomberg	Reuters
Gross Return EUR	CH0512260602	SA9ULRGR		.SA9ULRGR
Net Return EUR	CH0512260123	SA9ULRR		.SA9ULRR
Price EUR	CH0512260297	SA9ULRP		.SA9ULRP
Gross Return USD	CH0512260321	SA9ULRGV	SA9ULRGV INDEX	.SA9ULRGV
Net Return USD	CH0512260644	SA9ULRV		.SA9ULRV
Price USD	CH0512260586	SA9ULRL		.SA9ULRL

Complete list available here: [www.stoxx.com/data/vendor\\_codes.html](http://www.stoxx.com/data/vendor_codes.html)

### Quick facts

Weighting	Optimization
Cap factor	4.5% / min (20x parent index weight, 8%) / 35%
No. of components	Variable
Review frequency	Quarterly
Calculation/distribution	dayend
Calculation hours	22:15:00 22:15:00
Base value/base date	100 as of Mar. 19, 2012
History	Dec. 31, 2002
Inception date	Jan. 24, 2020

To learn more about the inception date, the currency, the calculation hours and historical values, please see our data vendor code sheet.

### CONTACT DETAILS

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### BACKTESTED PERFORMANCE

This document contains index performance data based on backtesting, i.e. calculations of how the index might have performed prior to launch if it had existed using the same index methodology and based on historical constituents. Backtested performance information is purely hypothetical and is provided in this document solely for information purposes. Backtested performance does not represent actual performance and should not be interpreted as an indication of actual performance.

### CUSTOMIZATION

The index can be used as a basis for the definition of STOXX® Customized Indices, which can be tailored to specific client or mandate needs. STOXX offers customization in almost unlimited forms for example in terms of component selection, weighting schemes and personalized calculation methodologies.

<sup>3</sup> gr. div. yield is calculated as gr. return index return minus price index return

<sup>4</sup> STOXX data from Dec. 31, 2002 to Jun. 30, 2023

(EUR, gross return), all data as of Jun. 30, 2023

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## Top 10 Components<sup>5</sup>

<b>Company</b>	<b>Supersector</b>	<b>Country</b>	<b>Weight (%)</b>
Berkshire Hathaway Inc. Cl B	Financial Services	United States	7.86
Apple Inc.	Technology	United States	6.33
Microsoft Corp.	Technology	United States	6.02
Honeywell International Inc.	Industrial Goods & Services	United States	4.64
VISA Inc. Cl A	Industrial Goods & Services	United States	4.23
Coca-Cola Co.	Food, Beverage & Tobacco	United States	3.94
McDonald's Corp.	Travel & Leisure	United States	3.91
Johnson & Johnson	Health Care	United States	3.34
Activision Blizzard Inc.	Consumer Products & Services	United States	3.03
INTERCONTINENTALEXCHANGE INC	Financial Services	United States	2.57

<sup>5</sup> Based on the composition as of Jun. 30, 2023