ISTOXX® USA MULTI-FACTOR INDEX

Index description

The iSTOXX® USA Single & Multi-factor indices offer investors a straightforward and intuitive tool to extract factor risk premia on equities while controlling risks and keeping focus on tradability. The selection and weighting are based on the SunGard APT Risk model, which uses a set of constraints to minimize risk and maximize factor exposure. These indices differ from each other by the factor premium they are exploiting. The index family contains indices based on the following single factors: carry, low risk, momentum, quality, size and value. An additional multi-factor index gathers stocks with a high overall tilt to all single factors.

Key facts

» Range of six different single-factor indices

» Multi-factor approach to gather highest exposure from each dimension

» Selection and weighting based on optimizer

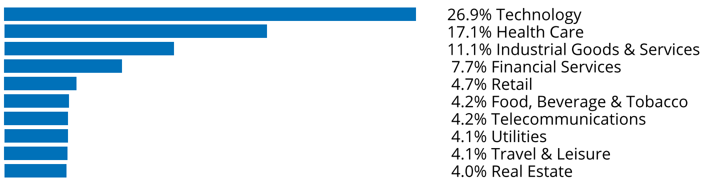
» Monthly rebalancing to be more reactive to the market

» Set of constraints to minimize risk and maximize factor exposure

Descriptive statistics

Index	Market cap (USD bn.)		Components (USD bn.)				Component weight (%)		Turnover (%)
	Full	Free-float	Mean	Median	Largest	Smallest	Largest	Smallest	Last 12 months
iSTOXX USA Multi-Factor Index	N/A	102.0	1.2	1.4	5.7	0.1	5.6	0.1	0.0
STOXX USA 900 Index	37,202.5	35,611.3	39.5	13.0	2,331.0	1.7	6.5	0.0	3.3

Supersector weighting (top 10)



Country weighting

Risk and return figures[1]

Index returns	Return (%)					Annualized return (%)				
	Last month	YTD	1Y	3Y	5Y	Last month	YTD	1Y	3Y	5Y
iSTOXX USA Multi-Factor Index	8.4	-15.1	-13.2	22.9	48.4	N/A	N/A	-13.2	7.2	8.3
STOXX USA 900 Index	8.2	-19.0	-16.9	32.2	61.5	N/A	N/A	-17.0	9.9	10.2
Index volatility and risk	**Annualized volatility (%)**					**Annualized Sharpe ratio[2]**				
iSTOXX USA Multi-Factor Index	27.3	23.7	22.4	24.0	20.7	N/A	N/A	-0.6	0.3	0.4
STOXX USA 900 Index	28.6	25.2	23.8	25.4	21.8	N/A	N/A	-0.8	0.4	0.5
Index to benchmark	**Correlation**					**Tracking error (%)**				
iSTOXX USA Multi-Factor Index	1.0	1.0	1.0	1.0	1.0	4.6	4.8	4.6	5.0	4.5
Index to benchmark	**Beta**					**Annualized information ratio**				
iSTOXX USA Multi-Factor Index	0.9	0.9	0.9	0.9	0.9	0.4	1.1	0.9	-0.6	-0.5

[1] For information on data calculation, please refer to STOXX calculation reference guide.
[2] Based on EURIBOR1M

(USD, gross return), all data as of Oct. 31, 2022

ISTOXX INDICES

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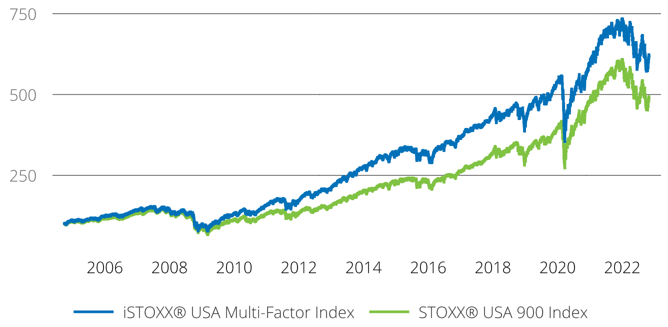
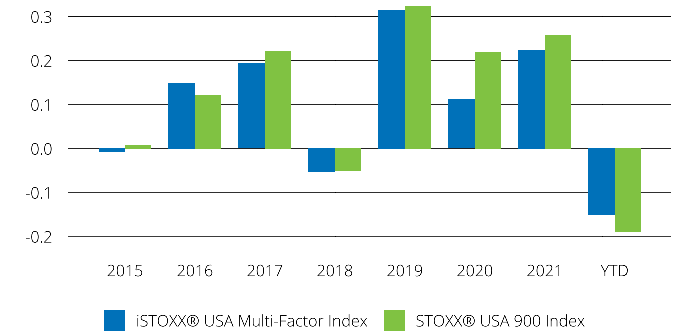
Fundamentals (for last 12 months)

Index	Price/earnings incl. negative		Price/earnings excl. negative		Price/ book	Dividend yield (%) [3]	Price/ sales	Price/ cash flow
	Trailing	Projected	Trailing	Projected	Trailing	Trailing	Trailing	Trailing
iSTOXX USA Multi-Factor Index	17.6	13.7	14.7	13.2	4.4	1.3	1.5	17.0
STOXX USA 900 Index	23.1	18.0	19.1	16.7	0.1	1.2	2.3	23.2

Performance and annual returns[4]





Methodology

Components are selected from the STOXX® USA 900 Index according to optimization-based factor expo-sure and a set of constraints.
Each factor, as input for the index optimization, consists of several base or sub-factors. These sub-factors consist of different ratios calculated from base data (e.g. balance sheet, income statement or price) or from other sub-factors. Sub-factors are then grouped by topic or style; each group combined creates the final factor.
The multi-factor index derives a companys final factor score from its composite score across all single factors of the index family.
The detailed methodology including the calculation formula can be found in our rulebook (http://www.stoxx.com/indices/rulebooks.html), while details regarding the optimization process can be found in the SunGard APT Modeling Guide (http://empower.fisglobal.com/rs/134-VDF-014/images/APT-Modelling-Guide.pdf).

Versions and symbols

Index	ISIN	Symbol	Bloomberg	Reuters
Gross Return USD	CH0384293426	ISUXFUGR		.ISUXFUGR

Complete list available here: www.stoxx.com/data/vendor_codes.html

Quick facts

Weighting	"Optimizer: maximize the index factor exposure under a set of
Cap factor	10% on a component level
No. of components	Variable
Review frequency	Monthly
Base value/base date	100 as of Apr. 01, 2016
Inception date	Nov. 22, 2017

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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CUSTOMIZATION

The index can be used as a basis for the definition of STOXXÂ® 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.

[3] gr. div. yield is calculated as gr. return index return minus price index return
[4] STOXX data from Oct. 01, 2004 to Oct. 31, 2022

(USD, gross return), all data as of Oct. 31, 2022

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Top 10 Components[5]

Company	Supersector	Country	Weight (%)
Apple Inc.	Technology	United States	5.55
Microsoft Corp.	Technology	United States	3.84
Amgen Inc.	Health Care	United States	2.10
Cisco Systems Inc.	Telecommunications	United States	2.08
Gilead Sciences Inc.	Health Care	United States	2.06
Bristol-Myers Squibb Co.	Health Care	United States	1.93
Amazon.com Inc.	Retail	United States	1.70
Yum! Brands Inc.	Travel & Leisure	United States	1.66
ZOETIS 'A'	Health Care	United States	1.65
INTERACTIVE BROKERS GROUP A	Financial Services	United States	1.64

[5] Based on the composition as of Oct. 31, 2022