

# MSCI ACWI ex USA Volatility Tilt Index (USD)

The **MSCI ACWI ex USA Volatility Tilt Index** is based on MSCI ACWI ex USA Index, its parent index, which includes large and mid-cap stocks across 22 Developed Markets (DM) and 24 Emerging Markets (EM) countries\*. It aims to reflect the performance of a low volatility strategy with relatively high investment capacity. The indexes are created by tilting the market capitalization weights of all the constituents in the parent index based on the inverse of security price variance and then re-weighting them.

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (MAR 2009 – MAR 2024)



## ANNUAL PERFORMANCE (%)

Year	ACWI ex USA VOLATILITY TILT	MSCI ACWI ex USA
2023	15.24	15.62
2022	-14.80	-16.00
2021	11.38	7.82
2020	6.11	10.65
2019	21.08	21.51
2018	-11.98	-14.20
2017	25.03	27.19
2016	3.68	4.50
2015	-5.56	-5.66
2014	-1.30	-3.87
2013	15.20	15.29
2012	15.37	16.83
2011	-7.61	-13.71
2010	10.36	11.15

## INDEX PERFORMANCE – NET RETURNS (%) (MAR 29, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Dec 29, 2000
ACWI ex USA VOLATILITY TILT	2.81	3.84	12.39	3.84	3.18	5.78	4.39	5.53
MSCI ACWI ex USA	3.13	4.69	13.26	4.69	1.94	5.97	4.25	4.89

## FUNDAMENTALS (MAR 29, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.20	15.57	13.77	1.90
2.92	15.72	13.65	1.87

## INDEX RISK AND RETURN CHARACTERISTICS (DEC 29, 2000 – MAR 29, 2024)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2, 3</sup>			Since Dec 29, 2000	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
ACWI ex USA VOLATILITY TILT	0.88	2.90	14.63	15.17	16.15	13.87	0.11	0.30	0.27	0.32	57.58	2007-10-31–2009-03-09
MSCI ACWI ex USA	1.00	0.00	3.52	16.42	17.58	15.01	0.04	0.30	0.26	0.26	60.83	2007-10-31–2009-03-09

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly net returns data

<sup>3</sup> Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

\*DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland and the UK. EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Kuwait, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Saudi Arabia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI ACWI ex USA Volatility Tilt Index was launched on Jun 30, 2016. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

## INDEX CHARACTERISTICS

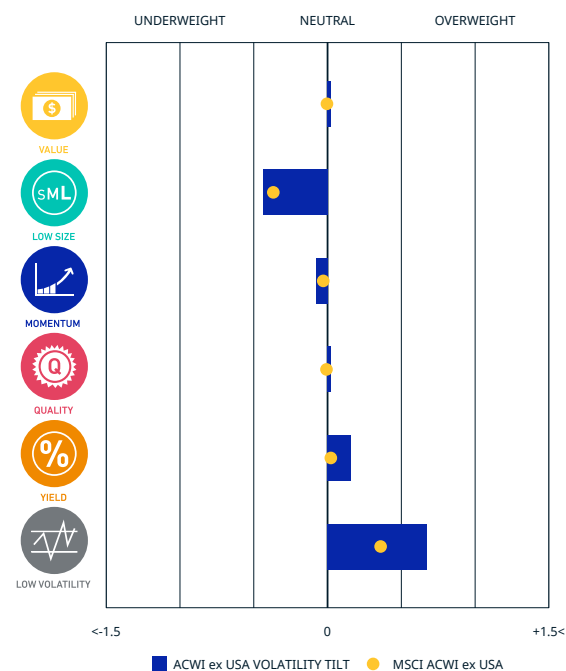
	ACWI ex USA VOLATILITY TILT	MSCI ACWI ex USA
<b>Number of Constituents</b>	2,211	2,231
	<b>Weight (%)</b>	
<b>Largest</b>	3.10	2.30
<b>Smallest</b>	0.00	0.00
<b>Average</b>	0.05	0.04
<b>Median</b>	0.01	0.02

## TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
NESTLE	CH	3.10	1.09	Cons Staples
TAIWAN SEMICONDUCTOR MFG	TW	1.98	2.30	Info Tech
SAMSUNG ELECTRONICS CO	KR	1.67	1.12	Info Tech
NOVARTIS	CH	1.56	0.76	Health Care
ROYAL BANK OF CANADA	CA	1.38	0.54	Financials
ROCHE HOLDING GENUSS	CH	1.33	0.69	Health Care
NOVO NORDISK B	DK	1.28	1.59	Health Care
UNILEVER PLC (GB)	GB	1.03	0.48	Cons Staples
ASTRAZENECA	GB	0.98	0.80	Health Care
SAP	DE	0.93	0.78	Info Tech
<b>Total</b>		<b>15.24</b>	<b>10.15</b>	

## FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

## MSCI FACTOR BOX



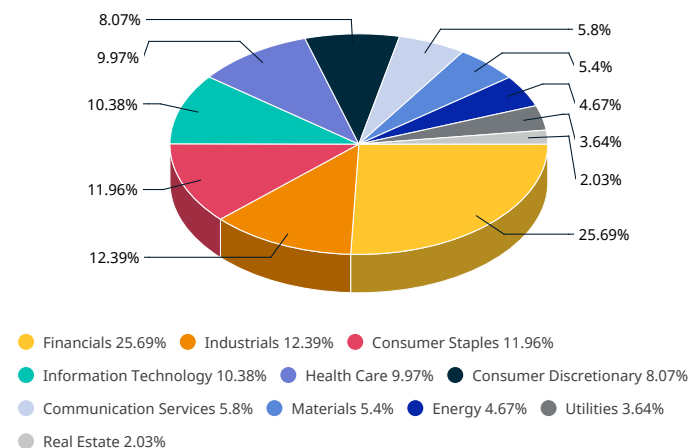
## MSCI FaCS

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

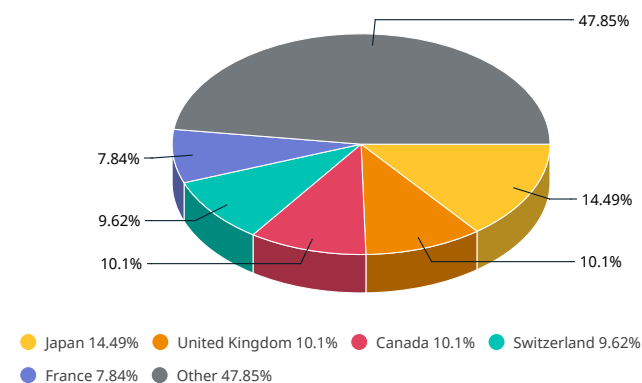
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

## SECTOR WEIGHTS



## COUNTRY WEIGHTS



## MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

## ABOUT MSCI

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