MSCI Europe Momentum Tilt Index (USD)

The MSCI Europe Momentum Tilt Index is based on MSCI Europe, its parent index, which includes large and mid-cap stocks across 15 Developed Markets (DM) countries* in Europe. It aims to reflect the performance of a Momentum 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 Momentum scores and then re-weighting them.

For a complete description of the index methodology, please see Index methodology - MSCI.

CUMULATIVE INDEX PERFORMANCE — GROSS RETURNS (USD) (APR 2009 – APR 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI Europe Momentum Tilt	MSCI Europe
2023	20.04	20.66
2022	-15.86	-14.53
2021	16.18	16.97
2020	11.72	5.93
2019	26.83	24.59
2018	-13.83	-14.32
2017	26.61	26.24
2016	-0.10	0.22
2015	-0.47	-2.34
2014	-4.68	-5.68
2013	27.86	25.96
2012	20.38	19.93
2011	-7.28	-10.50
2010	7.97	4.49

INDEX PERFORMANCE – GROSS RETURNS (%) (APR 30, 2024)

FUNDAMENTALS (APR 30, 2024)

					ANNUALIZED							
	1 Mo	3 Мо	1 Yr	YTD	3 Yr	5 Yr	10 Yr _M	Since lay 31, 1995	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI Europe Momentum Tilt	-1.69	6.14	11.65	6.78	4.77	9.18	5.83	8.36	3.10	14.29	13.21	2.10
MSCI Europe	-1.73	3.67	8.18	3.56	4.62	7.44	4.61	7.11	3.19	14.90	13.40	2.08

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 1995 - APR 30, 2024)

				ANNUALIZED STD DEV (%) 2		SHARPE RATIO 2,3				MAXIMUM DRAWDOWN		
	Beta	Tracking Error (%)	Turnover (%) 1	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since May 31, 1995	(%)	Period YYYY-MM-DD
MSCI Europe Momentum Tilt	0.94	3.44	50.11	17.71	17.93	15.28	0.20	0.47	0.35	0.41	60.63	2007-10-31-2009-03-09
MSCI Europe	1.00	0.00	3.30	18.17	19.44	16.37	0.19	0.36	0.27	0.34	62.72	2007-10-31-2009-03-09
	¹ Last	12 months	² Based o	n monthly	gross retu	rns data ³	Based on	NY FED Ov	ernight SC	FR from Se	p 1 2021 & d	on ICE LIBOR 1M prior that date

The MSCI Europe Momentum Tilt Index was launched on Jun 04, 2014. 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.



^{*} DM countries include: Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the UK.

APR 30, 2024 Index Factsheet

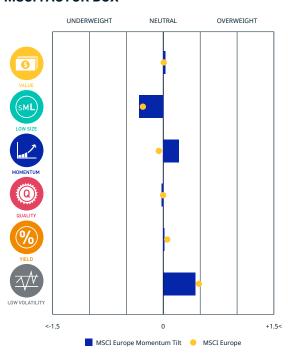
INDEX CHARACTERISTICS

	MSCI Europe Momentum Tilt	MSCI Europe				
Number of	419	420				
Constituents						
	Weight (%)					
Largest	5.65	3.93				
Smallest	0.01	0.02				
Average	0.24	0.24				
Median	0.07	0.10				

TOP 10 CONSTITUENTS

	Country	Wt. (%)	Parent Index Wt. (%)	Sector
NOVO NORDISK B	DK	5.65	3.93	Health Care
ASML HLDG	NL	3.83	3.34	Info Tech
SAP	DE	2.83	1.76	Info Tech
SHELL	GB	2.72	2.17	Energy
HSBC HOLDINGS (GB)	GB	2.41	1.55	Financials
TOTALENERGIES	FR	2.24	1.48	Energy
NOVARTIS	CH	2.11	1.85	Health Care
UBS GROUP	CH	1.67	0.81	Financials
UNICREDIT	IT	1.44	0.53	Financials
ALLIANZ	DE	1.29	1.04	Financials
Total		26.19	18.45	

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



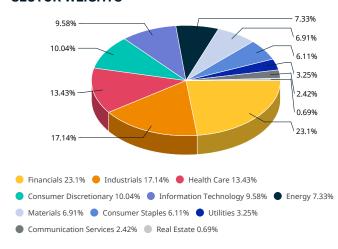
LOW VOLATILITY Lower Risk Stocks

MSCI FaCS provides absolute factor exposures relative to a

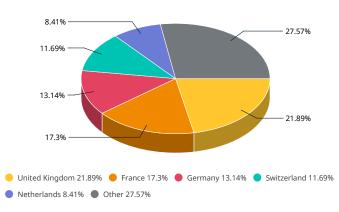
broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS





APR 30, 2024 Index Factsheet

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

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

The information contained herein (the "Information") may not be reproduced or redisseminated in whole or in part without prior written permission from MSCI. The Information may not be used to verify or correct other data, to create indexes, risk models, or analytics, or in connection with issuing, offering, sponsoring, managing or marketing any securities, portfolios, financial products or other investment vehicles. Historical data and analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. None of the Information or MSCI index or other product or service constitutes an offer to buy or sell, or a promotion or recommendation of, any security, financial instrument or product or trading strategy. Further, none of the Information or any MSCI index is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. The Information is provided "as is" and the user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF MSCI INC. OR ANY OF ITS SUBSIDIARIES OR ITS OR THEIR DIRECT OR INDIRECT SUPPLIERS OR ANY THIRD PARTY INVOLVED IN THE MAKING OR COMPILING OF THE INFORMATION (EACH, AN "MSCI PARTY") MAKES ANY WARRANTIES OR REPRESENTATIONS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH MSCI PARTY HEREBY EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING ANY OF THE FOREGOING AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT SHALL ANY OF THE MSCI PARTIES HAVE ANY LIABILITY REGARDING ANY OF THE INFORMATION FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR ANY OTHER DAMAGES EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited.

© 2024 MSCI Inc. All rights reserved.

