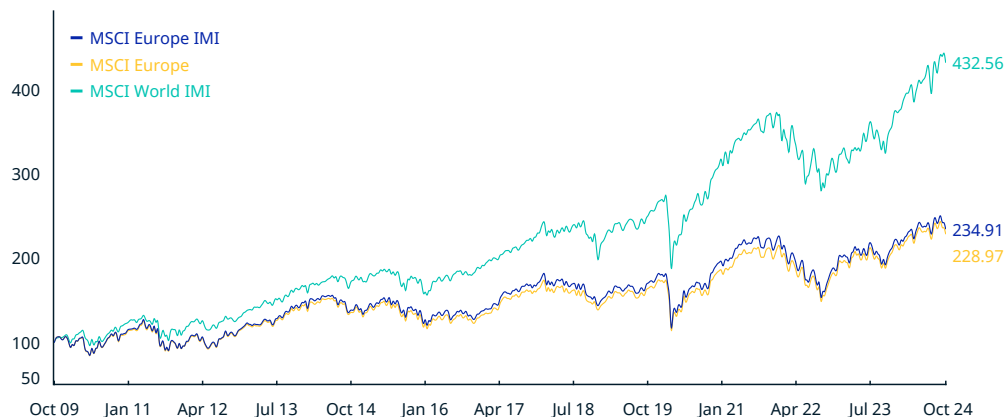


MSCI Europe IMI (USD)

The **MSCI Europe Investable Market Index (IMI)** captures large, mid and small cap representation across 15 Developed Markets (DM) countries in Europe*. With 1,279 constituents, the index covers approximately 99% of the free float-adjusted market capitalization across the Developed Markets countries of Europe.

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

CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (OCT 2009 – OCT 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI Europe IMI	MSCI Europe	MSCI World IMI
2023	19.52	19.89	22.88
2022	-16.71	-15.06	-18.22
2021	16.13	16.30	21.04
2020	6.46	5.38	15.90
2019	24.44	23.77	27.48
2018	-15.53	-14.86	-9.41
2017	26.76	25.51	22.44
2016	-0.62	-0.40	8.19
2015	-1.32	-2.84	-0.80
2014	-6.21	-6.18	4.52
2013	26.68	25.23	27.42
2012	20.10	19.12	16.06
2011	-12.06	-11.06	-6.03
2010	5.60	3.88	13.54

INDEX PERFORMANCE – NET RETURNS (%) (OCT 31, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 1994
					3 Yr	5 Yr	10 Yr		
MSCI Europe IMI	-6.02	-2.05	22.74	5.77	2.02	6.65	5.30	6.95	
MSCI Europe	-5.89	-1.80	22.43	6.13	3.00	6.91	5.23	6.86	
MSCI World IMI	-2.06	2.15	33.23	15.58	5.66	11.54	9.52	7.87	

FUNDAMENTALS (OCT 31, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.27	14.70	13.10	1.97
3.26	14.73	13.25	2.04
1.81	22.50	18.49	3.15

INDEX RISK AND RETURN CHARACTERISTICS (OCT 31, 2024)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 1994	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Europe IMI	3.15	18.81	19.89	16.81	0.01	0.30	0.29	0.32	63.37	2007-10-31–2009-03-09
MSCI Europe	3.34	18.35	19.35	16.47	0.05	0.32	0.29	0.32	62.99	2007-10-31–2009-03-09
MSCI World IMI	2.00	17.01	18.11	15.21	0.20	0.57	0.56	0.40	58.03	2007-10-31–2009-03-09

¹ Last 12 months ² Based on monthly net returns data

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

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

The MSCI Europe IMI was launched on Jun 05, 2007. 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

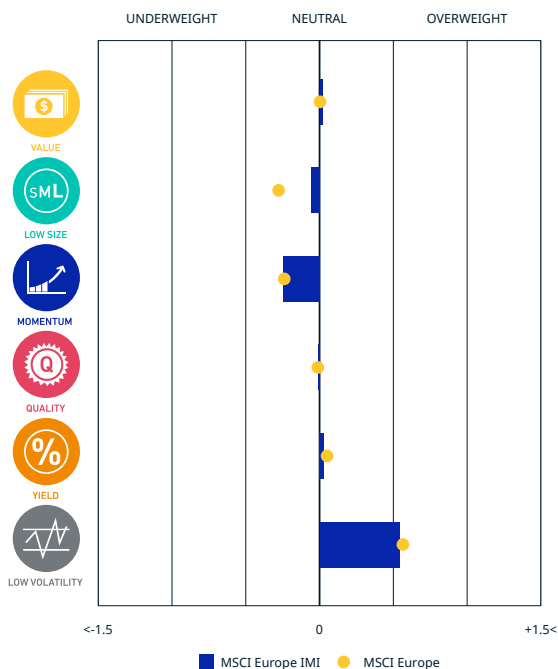
MSCI Europe IMI	
Number of Constituents	1,279
Mkt Cap (USD Millions)	
Index	12,053,262.79
Largest	357,740.06
Smallest	29.92
Average	9,423.97
Median	1,850.84

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
NOVO NORDISK B	DK	357.74	2.97	Health Care
ASML HLDG	NL	269.48	2.24	Info Tech
NESTLE	CH	247.18	2.05	Cons Staples
SAP	DE	243.51	2.02	Info Tech
ASTRAZENECA	GB	220.08	1.83	Health Care
ROCHE HOLDING GENUSS	CH	217.67	1.81	Health Care
NOVARTIS	CH	213.80	1.77	Health Care
SHELL	GB	208.89	1.73	Energy
LVMH MOET HENNESSY	FR	182.11	1.51	Cons Discr
HSBC HOLDINGS (GB)	GB	169.44	1.41	Financials
Total		2,329.91	19.33	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



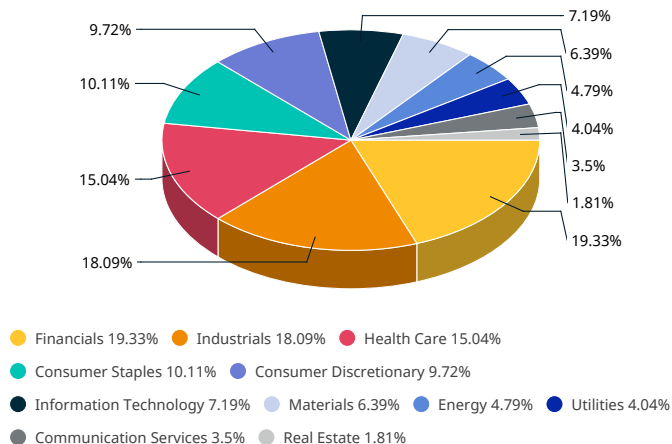
MSCI FaCS

- 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

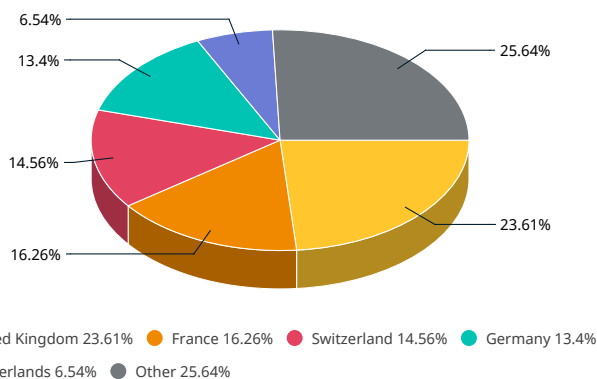
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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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