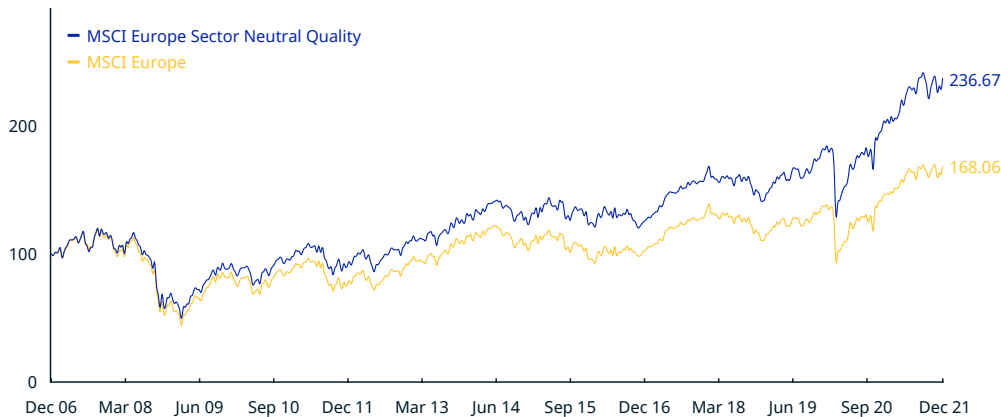


# MSCI Europe Sector Neutral Quality Index (USD)

The MSCI Europe Sector Neutral Quality Index captures large and mid-cap representation across 15 Developed Markets (DM) countries\*. The index aims to capture the performance of securities that exhibit stronger quality characteristics relative to their peers within the same GICS® sector by identifying stocks with high quality scores based on three main fundamental variables: high Return-on-Equity (ROE), low leverage and low earnings variability.

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (DEC 2006 – DEC 2021)



## ANNUAL PERFORMANCE (%)

Year	MSCI Europe Sector Neutral Quality	MSCI Europe
2021	17.71	16.30
2020	10.39	5.38
2019	28.39	23.77
2018	-11.11	-14.86
2017	25.40	25.51
2016	-4.03	-0.40
2015	4.18	-2.84
2014	-3.26	-6.18
2013	21.87	25.23
2012	18.61	19.12
2011	-5.25	-11.06
2010	6.39	3.88
2009	35.06	35.83
2008	-42.00	-46.42

## INDEX PERFORMANCE – NET RETURNS (%) (DEC 31, 2021)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 30, 1998
					3 Yr	5 Yr	10 Yr	Since Nov 30, 1998	
MSCI Europe Sector Neutral Quality	5.86	7.16	17.71	17.71	18.60	13.21	10.03	6.42	
MSCI Europe	6.60	5.66	16.30	16.30	14.90	10.14	8.18	4.85	

## FUNDAMENTALS (DEC 31, 2021)

	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI Europe Sector Neutral Quality	2.57	19.14	19.62	4.15
MSCI Europe	2.47	17.98	15.38	2.17

## INDEX RISK AND RETURN CHARACTERISTICS (NOV 30, 1998 – DEC 31, 2021)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Nov 30, 1998	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Europe Sector Neutral Quality	0.91	3.46	41.38	17.47	15.15	14.41	1.01	0.82	0.69	0.34	58.74	2007-10-31–2009-03-09
MSCI Europe	1.00	0.00	1.99	19.09	16.50	15.54	0.77	0.59	0.54	0.24	62.99	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 in Europe include: Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the UK.

The MSCI Europe Sector Neutral Quality Index was launched on Sep 23, 2014. Data prior to the launch date is back-tested data (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

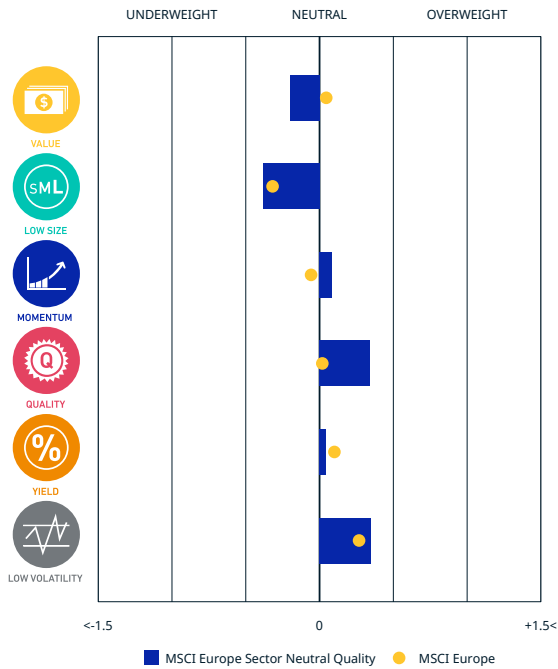
	MSCI Europe Sector Neutral Quality	MSCI Europe
<b>Number of Constituents</b>	125	432
<b>Weight (%)</b>		
<b>Largest</b>	5.63	3.47
<b>Smallest</b>	0.04	0.02
<b>Average</b>	0.80	0.23
<b>Median</b>	0.41	0.11

### TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
ROCHE HOLDING GENUSS	CH	5.63	2.57	Health Care
NOVO NORDISK B	DK	5.53	1.67	Health Care
ASML HLDG	NL	4.83	2.93	Info Tech
LVMH MOET HENNESSY	FR	4.20	2.02	Cons Discr
NESTLE	CH	3.45	3.47	Cons Staples
UNILEVER PLC (GB)	GB	3.30	1.22	Cons Staples
NESTE CORPORATION	FI	2.97	0.18	Energy
RIO TINTO PLC (GB)	GB	2.53	0.66	Materials
ALLIANZ	DE	2.50	0.86	Financials
DIAGEO	GB	2.24	1.12	Cons Staples
<b>Total</b>		<b>37.19</b>	<b>16.70</b>	

### FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

#### MSCI FACTOR BOX



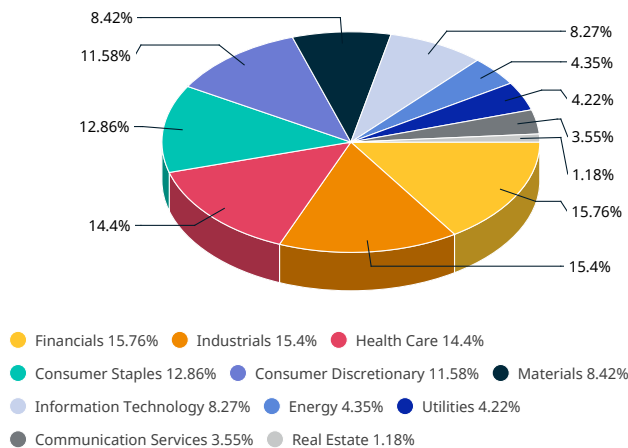
#### MSCI FaCS

- 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

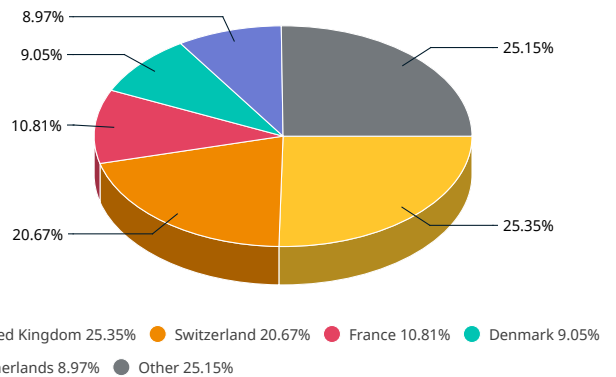
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

#### SECTOR WEIGHTS



#### COUNTRY WEIGHTS



## INDEX METHODOLOGY

The MSCI Sector Neutral Quality Index aims to reflect the performance of securities that exhibit stronger quality characteristics relative to their peers within the same GICS® sector. They are constructed by using the Quality Score that is computed within the sector. The Indexes are constructed with a fixed number of securities approach. A fixed number of securities with the highest positive quality scores are determined for each MSCI Quality Index with the goal of achieving high exposure to the quality factor while maintaining sufficient index market capitalization and number of securities coverage. All securities eligible for inclusion in the MSCI Sector Neutral Quality Indexes are weighted by the product of their market cap weight in the parent index and their Quality Score. A composite quality z-score for each security is calculated by combining Z-scores of three winsorized fundamental variables namely, high Return-on-Equity(ROE), low leverage and low earnings variability. A sector-relative quality score is then derived from the composite quality z-score. It is arrived at by standardizing the composite quality z-score within each sector. The sector-relative quality scores are winsorized at +/- 3. The indexes are rebalanced semi-annually, as of the close of the last business day of November and May.

## FACTOR BOX AND FaCS METHODOLOGY

MSCI FaCS is a standard method ([MSCI FaCS Methodology](#)) 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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